

A-horizon
<2 mm fraction
4-acid dissolution

North American Soil Geochemical Landscapes Project
Summary Statistics - 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	4acid	4acid	4acid	4acid	4acid	4acid	4acid	4acid	4acid	4acid	4acid	4acid	4acid	4acid	4acid	4acid	4acid	4acid	4acid
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
Number of Samples	150	150	150	150	150	150	150	150	150	150	150	150	150	150	150	150	150	150	150
Values < Det. Lim.	0	0	0	150	0	123	1	0	0	0	1	0	0	0	1	2	12	0	0
Arithmetic Mean	319	2.72	5.9	<0.1	209	1	0.22	0.32	0.42	28.49	4.2	29	2.1	10.35	1.2	0.7	0.4	1.33	7.99
Median	261	2.31	3.4	<0.1	198	<1	0.20	0.28	0.34	27.10	2.6	21	1.6	9.23	1.1	0.6	0.4	0.82	7.39
Variance	48958	2.92	349.2	0.00	10427	0	0.02	0.06	0.09	292.50	19.1	688	3.2	38.75	0.5	0.2	0.1	1.28	21.90
Standard Deviation	221	1.71	18.7	0.00	102	0	0.14	0.24	0.29	17.10	4.4	26	1.8	6.23	0.7	0.4	0.2	1.13	4.68
Skewness	2	0.60	11.6	-1.01	2	3	5.23	1.76	2.14	1.20	2.5	3	2.1	4.60	1.5	1.1	0.7	1.53	0.51
Kurtosis	4	-0.43	138.9	-2.03	8	9	40.05	4.19	7.60	3.56	7.6	11	6.3	29.52	5.0	2.5	0.9	2.94	-0.48
Percentiles																			
Minimum Value	54	0.24	0.7	<0.1	46	<1	<0.04	0.04	0.06	2.75	<0.2	2	0.1	3.06	<0.1	<0.1	<0.1	0.10	0.73
5th Percentile	94	0.63	1.2	<0.1	83	<1	0.10	0.07	0.12	5.23	0.9	5	0.3	4.88	0.3	0.2	0.1	0.25	1.98
10th Percentile	127	0.80	1.4	<0.1	104	<1	0.13	0.09	0.15	9.15	1.0	7	0.5	5.69	0.4	0.2	0.1	0.32	2.48
15th Percentile	144	0.87	1.7	<0.1	117	<1	0.14	0.10	0.16	11.24	1.0	8	0.6	6.18	0.5	0.3	0.1	0.36	3.13
25th Percentile	189	1.24	2.1	<0.1	134	<1	0.15	0.14	0.22	15.58	1.4	12	0.9	7.04	0.7	0.4	0.2	0.49	3.84
35th Percentile	216	1.58	2.6	<0.1	165	<1	0.17	0.20	0.26	19.68	1.8	15	1.1	8.04	0.9	0.5	0.3	0.62	4.75
50th Percentile	261	2.31	3.4	<0.1	198	<1	0.20	0.28	0.34	27.10	2.6	21	1.6	9.23	1.1	0.6	0.4	0.82	7.39
65th Percentile	297	3.58	4.6	<0.1	234	<1	0.24	0.34	0.44	32.59	4.2	30	2.3	10.80	1.4	0.8	0.5	1.56	10.17
70th Percentile	332	3.67	4.9	<0.1	245	<1	0.24	0.36	0.48	35.13	4.6	35	2.7	11.17	1.5	0.9	0.5	1.74	10.79
75th Percentile	360	3.88	5.4	<0.1	261	<1	0.26	0.39	0.53	38.74	5.0	39	2.8	11.74	1.6	0.9	0.5	1.93	11.37
80th Percentile	431	4.29	5.9	<0.1	279	<1	0.27	0.44	0.57	41.91	6.0	45	3.0	12.66	1.7	1.0	0.6	2.17	12.17
90th Percentile	575	4.98	8.0	<0.1	323	1	0.30	0.63	0.77	49.54	7.9	61	4.2	14.72	2.1	1.2	0.7	3.07	14.29
95th Percentile	840	5.78	11.4	<0.1	353	2	0.35	0.81	0.92	56.27	14.2	71	5.2	17.04	2.4	1.4	0.8	3.54	15.17
98th Percentile	966	6.46	14.6	<0.1	409	2	0.51	0.89	1.07	62.74	18.6	88	7.2	22.51	3.0	1.6	0.8	4.09	18.61
99th Percentile	1088	6.92	24.2	<0.1	541	2	0.69	1.19	1.40	70.41	22.9	134	9.2	37.32	3.4	1.7	1.0	4.46	19.74
Maximum Value	1249	7.75	229.0	<0.1	815	3	1.39	1.42	2.11	116.19	24.9	180	10.9	56.41	5.0	2.6	1.3	6.68	21.78

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4-acid dissolution

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Summary Statistics - 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	4acid	4acid	4acid	4acid	4acid	4acid	4acid	4acid	4acid	4acid	4acid	4acid	4acid	4acid	4acid	4acid	4acid	4acid	4acid
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
Number of Samples	150	150	150	150	150	150	150	150	150	150	150	150	150	150	150	150	150	150	150
Values < Det. Lim.	0	0	20	0	0	0	61	0	0	0	0	0	0	0	0	0	0	0	36
Arithmetic Mean	1.5	1.79	0.2	0.77	14.3	17.0	0.1	0.26	618	0.72	0.428	6.37	12.7	10.3	0.085	43.50	3.3	41.6	0.08
Median	1.4	1.74	0.2	0.68	14.0	9.0	0.1	0.18	312	0.56	0.352	6.38	12.2	7.7	0.081	36.59	3.1	35.4	0.07
Variance	0.8	0.86	0.0	0.20	55.8	510.1	0.0	0.07	845752	0.67	0.087	10.48	50.1	73.5	0.001	1179.82	3.2	793.9	0.00
Standard Deviation	0.9	0.93	0.1	0.45	7.5	22.6	0.1	0.26	920	0.82	0.294	3.24	7.1	8.6	0.036	34.35	1.8	28.2	0.04
Skewness	1.3	0.37	1.4	0.86	0.4	4.5	1.0	2.76	4	7.38	1.106	0.43	0.6	2.5	0.990	5.05	0.6	1.9	0.37
Kurtosis	3.6	-0.52	4.8	0.44	-0.4	31.7	0.5	9.99	15	65.76	1.314	-0.17	0.1	7.8	2.223	40.99	-0.2	8.4	-0.63
Percentiles																			
Minimum Value	0.2	0.15	<0.1	0.11	1.5	0.8	<0.1	0.03	34	0.08	0.032	0.60	1.1	0.5	0.022	5.43	0.3	4.5	<0.04
5th Percentile	0.3	0.50	<0.1	0.21	3.0	1.8	<0.1	0.06	68	0.24	0.095	1.86	2.5	3.3	0.034	14.07	0.6	8.2	<0.04
10th Percentile	0.5	0.62	<0.1	0.25	4.8	2.2	<0.1	0.08	84	0.31	0.121	2.41	4.3	3.6	0.046	17.44	1.1	12.6	<0.04
15th Percentile	0.7	0.79	0.1	0.33	6.1	3.1	<0.1	0.09	113	0.36	0.143	2.70	5.5	4.0	0.051	19.80	1.3	14.3	<0.04
25th Percentile	0.9	1.11	0.1	0.42	8.3	5.0	<0.1	0.10	173	0.43	0.188	3.93	7.0	5.1	0.060	23.13	1.9	20.8	0.04
35th Percentile	1.1	1.37	0.2	0.51	10.5	6.1	<0.1	0.12	231	0.47	0.262	4.60	8.7	5.9	0.067	27.78	2.3	25.9	0.05
50th Percentile	1.4	1.74	0.2	0.68	14.0	9.0	0.1	0.18	312	0.56	0.352	6.38	12.2	7.7	0.081	36.59	3.1	35.4	0.07
65th Percentile	1.8	2.08	0.3	0.90	16.4	14.6	0.1	0.25	477	0.68	0.505	7.65	14.6	9.5	0.096	49.14	3.8	50.1	0.10
70th Percentile	1.9	2.22	0.3	0.95	17.6	19.5	0.2	0.29	621	0.76	0.532	7.86	16.1	11.1	0.098	52.41	4.0	53.3	0.10
75th Percentile	2.0	2.48	0.3	1.01	19.7	24.0	0.2	0.36	681	0.78	0.605	8.65	17.1	13.1	0.104	56.36	4.4	59.6	0.11
80th Percentile	2.1	2.63	0.3	1.12	21.3	26.6	0.2	0.38	742	0.86	0.673	9.37	18.9	14.6	0.110	58.76	4.9	64.6	0.12
90th Percentile	2.5	3.00	0.4	1.40	24.4	37.1	0.2	0.49	1229	1.04	0.791	10.43	22.3	17.9	0.127	72.66	5.8	74.2	0.13
95th Percentile	3.1	3.38	0.5	1.63	26.8	47.9	0.2	0.71	2300	1.38	0.972	12.03	25.4	27.0	0.142	81.51	6.3	81.7	0.15
98th Percentile	3.7	3.82	0.6	1.86	30.5	72.9	0.3	1.07	4095	2.09	1.177	12.96	27.4	40.4	0.160	103.34	7.5	101.9	0.16
99th Percentile	4.5	3.92	0.7	2.04	32.3	87.5	0.3	1.29	4804	3.72	1.312	15.03	31.2	46.7	0.200	139.53	7.8	111.1	0.17
Maximum Value	5.6	4.13	1.0	2.26	34.1	203.8	0.4	1.69	6026	8.71	1.563	16.00	36.2	50.5	0.227	347.46	8.7	214.7	0.21

A-horizon
<2 mm fraction
4-acid dissolution

North American Soil Geochemical Landscapes Project
Summary Statistics - 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	4acid	4acid	4acid	4acid	4acid	4acid	4acid	4acid	4acid	4acid	4acid	4acid	4acid	4acid	4acid	4acid	4acid
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
Number of Samples	150	150	150	150	150	150	150	150	150	150	150	150	150	150	150	150	150
Values < Det. Lim.	0	0	0	0	0	9	30	0	0	70	1	0	1	0	2	0	0
Arithmetic Mean	0.71	3.9	2.0	2.1	50	0.4	0.2	3.9	0.239	0.1	1.2	41	0.7	6.4	0.8	59.0	61.8
Median	0.66	3.3	1.9	1.9	40	0.3	0.2	3.6	0.221	0.1	1.1	34	0.6	6.1	0.8	48.5	60.7
Variance	0.11	7.4	1.3	3.6	947	0.1	0.0	4.8	0.018	0.0	0.5	809	0.4	13.0	0.2	1418.9	979.1
Standard Deviation	0.33	2.7	1.1	1.9	31	0.3	0.1	2.2	0.133	0.1	0.7	28	0.6	3.6	0.4	37.7	31.3
Skewness	1.04	1.4	0.7	9.1	2	5.9	0.8	0.5	0.863	1.2	1.1	2	7.9	1.4	0.8	1.7	0.4
Kurtosis	1.37	2.9	0.4	97.3	6	53.5	1.2	-0.5	1.205	1.1	1.8	4	82.1	5.4	0.9	3.4	-0.4
Percentiles																	
Minimum Value	0.07	0.3	0.1	0.4	12	<0.1	<0.1	0.4	0.019	<0.1	<0.1	4	<0.1	0.9	<0.1	14.4	6.6
5th Percentile	0.30	0.9	0.4	0.8	22	<0.1	<0.1	0.9	0.067	<0.1	0.4	9	0.2	1.6	0.2	18.1	17.3
10th Percentile	0.35	1.1	0.6	1.2	24	0.1	<0.1	1.3	0.084	<0.1	0.4	11	0.3	2.3	0.3	21.6	21.4
15th Percentile	0.40	1.3	0.8	1.3	26	0.1	<0.1	1.5	0.094	<0.1	0.5	14	0.3	2.7	0.4	27.7	27.8
25th Percentile	0.46	1.8	1.1	1.5	30	0.2	0.1	2.1	0.132	<0.1	0.6	19	0.4	3.7	0.5	34.4	36.6
35th Percentile	0.55	2.4	1.4	1.7	33	0.2	0.2	2.7	0.176	<0.1	0.9	24	0.5	4.7	0.6	38.8	47.8
50th Percentile	0.66	3.3	1.9	1.9	40	0.3	0.2	3.6	0.221	0.1	1.1	34	0.6	6.1	0.8	48.5	60.7
65th Percentile	0.77	4.9	2.3	2.2	51	0.4	0.3	4.7	0.283	0.1	1.5	47	0.7	7.6	1.0	61.4	73.3
70th Percentile	0.84	5.1	2.6	2.2	53	0.5	0.3	4.9	0.305	0.1	1.5	52	0.7	8.0	1.0	68.8	76.3
75th Percentile	0.88	5.3	2.7	2.4	57	0.5	0.3	5.5	0.327	0.2	1.7	57	0.8	8.5	1.1	72.5	80.6
80th Percentile	0.92	5.7	3.1	2.5	61	0.5	0.3	5.8	0.350	0.2	1.8	60	0.9	9.0	1.2	76.8	89.5
90th Percentile	1.12	6.9	3.5	2.6	90	0.6	0.3	6.9	0.395	0.2	2.1	77	1.1	10.9	1.4	116.0	102.1
95th Percentile	1.32	8.4	3.9	3.0	107	0.7	0.4	8.0	0.432	0.2	2.4	87	1.3	12.1	1.6	131.6	116.3
98th Percentile	1.53	11.8	4.3	3.6	137	0.9	0.5	8.6	0.587	0.3	3.1	116	1.4	13.7	1.9	151.1	128.0
99th Percentile	1.76	13.4	5.4	7.0	177	1.1	0.6	9.3	0.614	0.3	3.5	137	1.6	14.5	2.0	194.1	138.5
Maximum Value	1.84	15.4	6.0	22.9	189	3.5	0.7	9.7	0.769	0.4	3.9	179	7.5	26.6	2.6	220.7	150.5

A-horizon
<2 mm fraction
4-acid dissolution

North American Soil Geochemistry Landscapes Project
Soil Geochemistry Data

Variable Unit Min. Detection Limit Sample Preparation Dissolution Instrumentation		Ag ppb 20 milled 4acid ICP-MS&ES	Al % 0.02 milled 4acid ICP-MS&ES	As ppm 0.2 milled 4acid ICP-MS&ES	Au ppm 0.1 milled 4acid ICP-MS&ES	Ba ppm 1 milled 4acid ICP-MS&ES	Be ppm 1 milled 4acid ICP-MS&ES	Bi ppm 0.04 milled 4acid ICP-MS&ES	Ca % 0.02 milled 4acid ICP-MS&ES	Cd ppm 0.02 milled 4acid ICP-MS&ES	Ce ppm 0.02 milled 4acid ICP-MS&ES	Co ppm 0.2 milled 4acid ICP-MS&ES	Cr ppm 1 milled 4acid ICP-MS&ES	Cs ppm 0.1 milled 4acid ICP-MS&ES	Cu ppm 0.02 milled 4acid ICP-MS&ES	Dy ppm 0.1 milled 4acid ICP-MS&ES	Er ppm 0.1 milled 4acid ICP-MS&ES	Eu ppm 0.1 milled 4acid ICP-MS&ES	Fe % 0.02 milled 4acid ICP-MS&ES	Ga ppm 0.02 milled 4acid ICP-MS&ES
1	NB071001																			
2	NB071002	206	3.59	5.7	<0.1	235	<1	0.17	0.31	0.16	39.16	6.1	32	3.0	12.86	1.6	0.9	0.5	1.56	11.62
3	NB071003																			
4	NB071004	263	4.67	1.9	<0.1	318	2	0.28	0.53	0.15	28.54	2.7	15	4.5	3.06	1.6	0.9	0.5	0.80	11.58
5	NB071005	294	3.31	6.5	<0.1	217	<1	0.26	0.40	0.28	28.76	2.4	27	2.6	5.54	1.0	0.5	0.3	1.39	10.86
6	NB071007	713	1.23	3.3	<0.1	224	2	0.24	0.68	0.89	17.30	2.6	12	2.7	17.60	1.7	0.7	0.8	0.52	3.41
7	NB071009	296	2.02	4.3	<0.1	135	<1	0.21	0.08	0.19	33.08	1.8	21	1.3	9.38	1.2	0.7	0.4	1.06	7.91
8	NB071010	255	2.81	6.7	<0.1	180	<1	0.16	0.26	0.33	31.09	2.5	37	2.7	9.03	1.2	0.7	0.5	1.00	9.53
9	NB071011	330	0.42	1.9	<0.1	74	<1	0.28	0.36	0.70	4.33	1.0	6	0.3	7.72	0.2	0.1	<0.1	0.23	1.55
10	NB071012	269	1.02	2.3	<0.1	120	<1	0.17	0.32	0.43	13.00	1.0	11	0.9	5.45	0.4	0.2	0.2	0.41	3.50
11	NB071013	188	1.44	2.0	<0.1	99	<1	0.19	0.11	0.30	23.21	1.1	14	0.9	6.10	0.9	0.5	0.3	0.50	5.55
12	NB071014	61	0.24	1.1	<0.1	99	<1	0.21	0.25	0.46	2.75	0.4	2	0.2	8.62	0.2	<0.1	<0.1	0.10	0.73
13	NB071015	276	1.68	2.4	<0.1	129	<1	0.15	0.27	0.43	21.14	0.7	12	0.9	6.74	0.8	0.5	0.3	0.35	5.47
14	NB071016	613	2.04	2.8	<0.1	327	<1	0.21	0.41	0.72	27.88	2.5	16	1.3	8.27	1.0	0.4	0.4	0.66	6.23
15	NB071017	269	4.47	14.4	<0.1	202	<1	0.21	0.26	0.16	53.32	5.1	47	2.2	11.45	1.6	0.9	0.6	2.99	15.26
16	NB071018	368	4.11	3.9	<0.1	815	3	0.30	0.48	0.67	74.24	13.7	40	3.3	17.14	3.5	1.4	0.9	2.35	11.39
17	NB071019	210	2.16	5.2	<0.1	138	<1	0.21	0.33	0.25	20.82	3.9	25	1.6	13.19	1.2	0.7	0.3	1.96	6.08
18	NB071020	277	2.45	3.4	<0.1	203	<1	0.15	0.34	0.91	28.45	4.0	20	1.3	11.30	1.3	0.7	0.4	1.10	6.85
19	NB071021	197	2.87	8.0	<0.1	131	1	0.23	0.17	0.26	33.33	3.7	22	3.1	10.11	1.4	0.8	0.4	1.60	8.57
20	NB071022	481	0.90	3.8	<0.1	62	<1	0.33	0.39	0.51	8.01	0.9	7	0.3	7.84	0.5	0.2	0.1	0.68	3.90
21	NB071023	346	1.67	5.2	<0.1	133	<1	0.21	0.33	0.36	16.77	1.9	16	1.4	7.09	0.6	0.3	0.2	0.76	4.89
22	NB071024	405	3.42	8.2	<0.1	179	<1	0.22	0.18	0.26	41.92	2.1	36	2.0	5.21	1.1	0.7	0.5	1.30	10.89
23	NB071025	807	0.93	5.9	<0.1	100	<1	0.28	0.12	0.74	14.08	0.6	8	0.6	13.65	0.4	0.3	0.1	0.49	3.72
24	NB071027	213	5.40	9.4	<0.1	289	2	0.16	0.58	0.23	57.21	14.3	82	3.1	19.65	2.1	1.2	0.7	3.65	14.65
25	NB071028	259	4.33	7.3	<0.1	310	<1	0.20	0.38	0.20	50.02	6.3	61	4.4	10.02	1.4	0.8	0.5	2.59	13.69
26	NB071029	269	3.62	7.8	<0.1	205	<1	0.15	0.42	0.36	40.56	7.8	74	3.4	14.74	1.3	0.8	0.5	2.69	12.92
27	NB071030	494	2.43	3.2	<0.1	163	1	0.31	0.35	0.88	34.02	18.5	37	2.0	13.57	2.6	1.2	0.8	1.24	7.71
28	NB071031	297	0.77	3.0	<0.1	111	<1	0.13	0.50	0.40	10.07	0.9	10	0.6	9.19	0.4	0.2	0.1	0.31	2.26
29	NB071032	1176	2.21	2.6	<0.1	216	<1	0.18	0.34	0.24	22.50	1.9	12	1.4	6.97	0.9	0.3	0.2	0.62	5.39
30	NB071033	123	2.18	3.4	<0.1	162	<1	0.12	0.14	0.54	25.31	4.0	15	1.1	10.92	1.4	0.8	0.4	0.62	6.08
31	NB071034	143	1.62	3.4	<0.1	263	<1	0.18	0.19	0.29	26.15	1.6	12	1.0	7.68	1.1	1.0	0.3	0.74	4.62
32	NB071035	166	1.11	4.4	<0.1	187	<1	0.16	0.18	0.44	16.25	1.2	10	0.8	8.19	0.9	0.5	0.2	0.53	3.96
33	NB071036	238	1.31	2.7	<0.1	120	<1	0.16	0.40	0.37	12.94	3.3	13	0.8	8.63	0.8	0.4	0.2	0.63	3.39
34	NB071037	160	3.69	2.3	<0.1	188	1	0.08	0.87	0.27	34.97	1.9	32	3.2	4.06	1.6	1.0	0.6	0.53	9.33
35	NB071038																			
36	NB071039	282	1.37	4.5	<0.1	135	<1	0.29	0.12	0.50	19.75	1.3	14	1.3	9.97	1.0	0.6	0.2	0.77	4.30
37	NB071040	271	1.95	1.3	<0.1	121	<1	0.22	0.28	0.24	19.43	1.6	16	1.6	5.98	0.8	0.3	0.2	0.75	7.39
38	NB071041	168	0.81	2.8	<0.1	76	<1	0.25	0.29	0.57	9.37	1.1	9	0.8	9.01	0.4	0.3	0.1	0.49	2.91
39	NB071042	182	0.58	2.5	<0.1	58	<1	0.10	0.43	0.59	4.27	1.0	5	0.2	6.53	0.3	0.2	<0.1	0.24	1.64
40	NB071043	210	4.51	3.9	<0.1	319	<1	0.15	0.61	0.16	29.51	5.4	30	2.7	11.79	1.7	1.0	0.4	2.24	12.13
41	NB071044	997	3.66	3.8	<0.1	249	<1	0.35	0.76	0.52	22.32	2.2	22	2.3	10.81	1.5	1.0	0.5	1.71	10.14
42	NB071045	770	0.83	2.0	<0.1	118	<1	0.29	0.20	0.42	9.00	0.7	5	1.0	6.67	0.3	0.1	0.1	0.26	2.48
43	NB071046	137	4.45	6.2	<0.1	249	1	0.17	0.14	0.21	37.52	7.7	30	3.1	13.92	1.5	0.9	0.5	2.05	12.27

A-horizon
<2 mm fraction
4-acid dissolution

North American Soil Geochemistry 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		4acid	4acid	4acid	4acid	4acid	4acid	4acid	4acid	4acid	4acid	4acid	4acid	4acid	4acid	4acid	4acid	4acid	4acid	4acid
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	NB071002	1.9	2.65	0.3	0.99	18.3	21.9	0.2	0.34	469	0.45	0.580	11.00	17.2	12.5	0.069	19.63	4.0	71.4	<0.04
3	NB071003																			
4	NB071004	1.9	2.62	0.4	1.46	16.0	13.1	0.1	0.16	198	0.46	1.235	10.72	14.0	4.0	0.067	24.62	3.7	66.6	<0.04
5	NB071005	1.3	1.90	0.2	1.17	13.8	11.9	0.1	0.20	131	0.61	0.543	7.29	12.5	6.5	0.069	29.75	3.1	59.8	0.06
6	NB071007	3.1	0.62	0.3	0.37	11.8	4.9	<0.1	0.18	442	0.66	0.097	2.40	16.4	10.9	0.098	65.56	3.8	17.1	0.16
7	NB071009	1.5	2.43	0.2	0.51	16.4	9.5	0.1	0.10	107	0.55	0.223	8.53	13.9	5.6	0.047	36.99	3.5	24.6	0.04
8	NB071010	1.6	2.04	0.2	0.85	16.1	10.8	0.1	0.17	463	0.95	0.358	6.74	13.9	8.0	0.091	30.22	3.8	41.6	0.10
9	NB071011	0.2	0.23	<0.1	0.11	2.5	1.2	<0.1	0.04	34	0.69	0.064	0.90	2.1	4.7	0.068	102.62	0.5	8.0	0.10
10	NB071012	0.8	0.70	<0.1	0.39	6.7	4.1	<0.1	0.09	82	0.50	0.278	2.57	5.9	5.9	0.071	53.27	1.5	19.9	0.10
11	NB071013	1.3	1.66	0.2	0.51	13.8	5.4	0.1	0.09	763	0.46	0.212	5.84	10.3	3.5	0.070	55.22	2.8	26.7	0.05
12	NB071014	0.2	0.15	<0.1	0.12	1.5	1.0	<0.1	0.03	311	0.31	0.032	0.60	1.1	3.3	0.055	23.19	0.3	6.2	0.12
13	NB071015	0.9	1.46	0.1	0.50	10.8	5.3	<0.1	0.08	120	0.63	0.453	5.22	9.5	3.9	0.071	56.52	2.3	23.7	0.06
14	NB071016	2.0	1.24	0.2	0.59	14.4	5.1	<0.1	0.16	3357	0.82	0.443	4.54	13.7	7.4	0.121	75.94	3.6	30.5	0.13
15	NB071017	2.5	3.04	0.3	0.71	24.5	23.3	0.2	0.36	299	0.51	0.673	10.47	22.9	13.9	0.077	23.92	5.7	43.7	0.04
16	NB071018	5.1	1.87	0.6	0.88	26.5	27.8	0.2	0.35	4494	0.72	0.179	7.63	33.4	21.7	0.115	69.12	7.7	69.7	0.09
17	NB071019	1.2	1.52	0.3	0.53	11.5	11.6	0.1	0.15	207	1.10	0.096	6.02	9.6	11.6	0.074	51.04	2.5	32.3	0.10
18	NB071020	1.6	1.97	0.2	0.67	14.4	8.3	0.1	0.18	1400	0.47	0.317	5.70	12.0	9.6	0.110	50.31	3.1	36.5	0.07
19	NB071021	1.7	2.28	0.3	0.90	16.5	25.3	0.1	0.19	232	8.71	0.503	9.90	14.3	7.0	0.049	32.67	3.7	66.6	0.06
20	NB071022	0.6	0.80	0.1	0.15	4.4	1.8	<0.1	0.11	148	0.88	0.263	2.66	3.6	6.4	0.057	68.69	1.0	7.1	0.12
21	NB071023	0.9	0.95	0.1	0.53	8.5	8.2	<0.1	0.17	285	0.74	0.438	3.66	8.2	9.3	0.097	42.98	2.0	24.3	0.12
22	NB071024	1.9	2.02	0.2	0.83	21.6	10.7	0.1	0.25	198	0.89	0.773	6.26	18.6	8.6	0.073	36.40	5.0	50.5	0.06
23	NB071025	0.8	1.46	0.1	0.38	7.3	3.3	<0.1	0.05	84	0.63	0.228	4.39	6.4	5.5	0.059	77.27	1.7	17.6	0.11
24	NB071027	2.8	2.89	0.4	1.38	22.2	46.3	0.2	0.88	562	0.46	0.959	8.16	21.5	49.6	0.063	21.83	5.2	75.9	<0.04
25	NB071028	2.0	3.30	0.3	1.09	23.1	33.4	0.2	0.44	740	0.37	0.698	9.03	20.4	18.3	0.104	22.10	5.3	76.0	<0.04
26	NB071029	1.6	2.64	0.2	1.21	19.3	24.8	0.1	0.51	573	0.37	0.788	9.62	16.9	23.8	0.134	17.48	4.4	71.2	0.05
27	NB071030	3.2	1.18	0.4	0.76	16.3	13.1	0.2	0.27	1744	0.92	0.310	4.95	18.9	17.8	0.226	78.51	4.0	49.7	0.16
28	NB071031	0.5	0.58	<0.1	0.22	5.4	7.3	<0.1	0.09	393	0.37	0.122	2.03	4.3	5.5	0.100	34.73	1.2	10.4	0.14
29	NB071032	1.2	0.87	0.2	0.68	12.3	7.3	<0.1	0.14	189	0.76	0.509	3.75	10.2	7.2	0.097	41.74	2.8	36.7	0.08
30	NB071033	1.6	1.50	0.3	0.35	12.5	7.4	0.1	0.10	66	0.48	0.128	6.78	12.4	6.2	0.064	26.40	3.0	20.4	0.06
31	NB071034	1.2	1.56	0.2	0.48	13.9	5.7	0.1	0.09	159	0.75	0.325	4.50	12.2	6.8	0.056	58.69	3.2	22.8	0.05
32	NB071035	1.1	1.20	0.2	0.45	8.6	5.4	0.1	0.08	100	0.93	0.256	4.54	8.7	4.8	0.067	347.46	2.1	20.2	0.08
33	NB071036	0.8	0.79	0.1	0.32	7.5	5.4	<0.1	0.12	70	0.59	0.203	2.76	6.4	8.2	0.087	84.99	1.7	14.1	0.11
34	NB071037	1.8	1.33	0.3	0.64	20.9	13.1	0.2	0.28	36	0.50	0.059	4.33	16.5	8.3	0.076	9.48	4.4	40.2	0.21
35	NB071038																			
36	NB071039	0.8	1.59	0.2	0.42	10.5	6.9	0.1	0.10	130	0.84	0.180	5.59	8.5	4.4	0.087	58.22	2.2	21.4	0.11
37	NB071040	0.9	2.19	0.2	0.90	10.3	7.2	<0.1	0.14	619	0.64	0.583	9.77	8.7	4.7	0.074	36.78	2.4	53.4	0.08
38	NB071041	0.4	0.66	0.1	0.21	5.6	2.9	<0.1	0.11	131	0.97	0.151	2.46	4.9	9.2	0.070	97.92	1.3	10.8	0.16
39	NB071042	0.3	0.89	<0.1	0.15	2.3	1.2	<0.1	0.11	83	0.36	0.180	2.88	2.0	3.6	0.047	24.76	0.5	6.0	0.09
40	NB071043	1.9	2.64	0.3	1.32	15.9	28.5	0.2	0.47	401	0.49	0.829	9.37	13.6	10.6	0.077	22.00	3.1	59.1	<0.04
41	NB071044	1.7	2.62	0.4	0.69	12.6	6.6	0.2	0.24	191	1.51	0.895	6.76	11.5	6.3	0.114	55.47	2.9	45.7	0.09
42	NB071045	0.4	0.50	<0.1	0.34	4.7	2.2	<0.1	0.04	131	0.87	0.181	1.75	3.6	4.1	0.097	92.31	1.0	20.8	0.12
43	NB071046	1.3	2.52	0.3	1.18	20.0	32.2	0.2	0.45	760	0.43	0.759	9.37	16.6	15.7	0.067	23.00	4.6	72.4	<0.04

A-horizon
<2 mm fraction
4-acid dissolution

North American Soil Geochemistry 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		4acid	4acid	4acid	4acid	4acid	4acid	4acid	4acid	4acid	4acid	4acid	4acid	4acid	4acid	4acid	4acid	4acid
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																	
2	NB071002	0.64	5.3	2.7	2.1	53	0.6	0.3	4.7	0.348	0.2	1.5	53	1.0	8.8	1.2	52.0	89.4
3	NB071003																	
4	NB071004	0.50	3.1	2.4	2.6	105	1.0	0.3	5.1	0.275	0.2	2.0	32	0.7	9.3	0.9	15.4	94.5
5	NB071005	0.65	3.4	1.9	2.6	55	0.5	0.2	4.6	0.235	<0.1	1.2	47	1.0	4.6	0.6	29.7	61.3
6	NB071007	1.84	2.3	3.5	2.3	83	0.1	0.3	1.9	0.089	0.1	1.0	20	0.4	8.2	0.8	71.5	20.4
7	NB071009	1.16	3.2	2.2	2.4	26	0.4	0.2	4.1	0.271	0.1	1.2	37	0.7	6.9	1.0	18.2	85.7
8	NB071010	1.49	5.5	2.3	2.6	40	0.4	0.2	4.8	0.326	0.1	1.3	59	1.4	6.9	0.8	35.9	73.8
9	NB071011	1.27	0.7	0.3	2.3	32	<0.1	<0.1	0.6	0.040	<0.1	0.3	11	0.3	1.4	0.2	71.7	7.4
10	NB071012	0.85	1.3	1.0	1.7	36	0.1	<0.1	1.8	0.083	<0.1	0.4	14	0.5	2.3	0.3	46.9	24.4
11	NB071013	0.64	2.1	1.5	2.2	21	0.4	0.2	3.5	0.219	<0.1	1.0	22	0.7	5.4	0.7	28.6	59.9
12	NB071014	0.44	0.3	0.1	0.8	35	<0.1	<0.1	0.4	0.019	<0.1	0.2	5	0.1	0.9	<0.1	34.8	6.6
13	NB071015	0.98	2.1	1.6	2.1	37	0.3	0.1	3.0	0.185	<0.1	0.8	21	0.6	3.8	0.6	16.2	50.3
14	NB071016	1.40	2.6	2.1	3.5	53	0.3	0.2	4.2	0.194	<0.1	0.9	29	0.6	4.3	0.5	38.3	34.5
15	NB071017	0.73	6.3	3.6	2.2	45	0.6	0.3	6.0	0.371	0.1	1.4	74	1.1	7.9	1.0	79.1	110.7
16	NB071018	0.90	7.1	6.0	2.4	176	0.4	0.6	4.4	0.237	0.2	1.8	59	0.7	13.8	1.5	65.7	67.2
17	NB071019	1.07	3.3	1.7	1.7	31	0.3	0.2	3.2	0.207	0.1	1.0	44	0.5	6.6	0.9	44.5	55.8
18	NB071020	0.72	3.6	2.1	2.0	32	0.3	0.2	3.6	0.186	0.1	1.0	32	0.6	6.6	1.0	72.7	61.7
19	NB071021	0.70	3.2	2.3	2.4	36	0.6	0.3	7.2	0.252	0.1	2.5	42	1.1	8.4	1.1	31.3	73.7
20	NB071022	1.10	1.3	0.7	1.8	41	0.1	<0.1	1.6	0.120	<0.1	0.5	34	0.4	2.7	0.4	71.0	30.1
21	NB071023	0.83	2.4	1.3	2.1	39	0.2	0.1	2.1	0.135	<0.1	0.6	24	0.5	3.1	0.4	47.0	32.7
22	NB071024	0.97	5.2	2.9	2.6	43	0.4	0.3	5.1	0.269	0.1	1.3	57	0.8	6.3	0.8	31.3	72.7
23	NB071025	0.74	1.0	0.9	2.2	39	0.3	<0.1	2.8	0.115	<0.1	0.8	18	0.5	2.7	0.4	39.5	49.2
24	NB071027	0.61	7.7	3.5	1.7	92	0.4	0.3	6.2	0.306	0.2	1.6	80	0.6	10.8	1.4	76.5	98.8
25	NB071028	0.74	6.7	3.1	1.8	62	0.5	0.3	6.2	0.369	0.1	1.7	74	0.8	7.2	1.2	68.9	109.7
26	NB071029	0.62	6.1	2.6	1.7	59	0.5	0.2	4.8	0.400	0.1	1.3	77	0.8	6.5	1.0	72.7	92.1
27	NB071030	1.53	5.7	3.3	3.3	41	0.2	0.5	2.7	0.175	0.2	1.3	40	0.6	11.4	1.3	69.6	43.2
28	NB071031	0.84	1.3	0.6	2.0	29	0.1	<0.1	1.4	0.081	<0.1	0.3	13	0.4	2.1	0.2	29.9	21.5
29	NB071032	0.70	2.0	1.8	2.5	45	0.2	0.1	3.2	0.135	<0.1	0.5	20	0.5	3.8	0.4	32.0	31.3
30	NB071033	0.45	3.3	1.9	1.6	27	0.3	0.3	2.7	0.183	0.1	1.0	23	0.5	7.7	0.9	21.3	54.9
31	NB071034	0.73	2.2	2.1	1.9	29	0.2	0.2	3.3	0.185	0.2	0.8	23	0.4	7.3	0.7	21.6	50.6
32	NB071035	1.48	1.6	1.2	1.6	30	0.3	0.2	2.1	0.131	<0.1	0.6	18	0.4	4.8	0.6	41.4	44.3
33	NB071036	0.75	2.0	1.1	1.8	32	0.2	0.1	1.9	0.115	<0.1	0.6	18	0.3	4.3	0.5	50.9	29.9
34	NB071037	0.33	7.0	2.6	1.3	46	0.3	0.3	5.5	0.156	0.2	1.6	37	0.5	10.1	1.0	20.0	48.0
35	NB071038																	
36	NB071039	1.10	2.5	1.4	6.0	26	0.3	0.2	2.8	0.189	0.1	1.0	23	0.6	5.1	0.8	42.7	58.6
37	NB071040	0.96	2.4	1.2	7.9	36	1.1	0.1	4.8	0.327	<0.1	1.5	33	1.3	4.3	0.6	23.1	67.7
38	NB071041	1.31	1.4	0.7	2.6	30	0.1	<0.1	1.4	0.099	<0.1	0.5	38	0.4	2.6	0.4	49.3	25.8
39	NB071042	0.48	0.9	0.3	1.0	28	0.1	<0.1	0.9	0.078	<0.1	0.4	9	0.2	2.1	0.4	63.3	28.5
40	NB071043	0.45	5.7	2.1	1.6	102	0.5	0.3	4.8	0.372	0.2	1.4	60	0.9	9.6	1.4	48.6	90.0
41	NB071044	0.86	5.9	1.9	2.3	87	0.3	0.3	4.4	0.379	0.2	1.8	74	0.8	10.0	1.2	52.3	95.6
42	NB071045	1.12	0.8	0.6	2.8	35	<0.1	<0.1	1.5	0.056	<0.1	0.4	11	0.2	1.5	0.2	36.0	16.7
43	NB071046	0.44	5.3	2.6	1.8	52	0.6	0.3	5.9	0.351	0.2	1.8	61	0.8	8.6	1.1	61.7	89.0

A-horizon
<2 mm fraction
4-acid dissolution

North American Soil Geochemistry 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		4acid	4acid	4acid	4acid	4acid	4acid	4acid	4acid	4acid	4acid	4acid	4acid	4acid	4acid	4acid	4acid	4acid	4acid	4acid
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
44	NB071047	490	2.14	2.6	<0.1	189	<1	0.27	0.06	0.31	27.16	2.1	16	1.2	10.87	1.3	0.7	0.3	0.76	6.30
45	NB071048	182	1.82	3.3	<0.1	165	<1	0.19	0.18	0.36	32.63	2.1	17	1.5	16.91	1.5	0.8	0.3	0.70	7.16
46	NB071049	392	2.10	2.4	<0.1	283	<1	0.22	0.07	0.72	31.09	3.7	15	1.6	8.86	1.6	0.9	0.4	0.56	5.37
47	NB071050	364	3.90	7.2	<0.1	232	<1	0.15	0.25	0.45	46.84	5.0	57	4.4	13.47	1.7	0.9	0.6	2.24	11.31
48	NB071051	429	3.76	4.6	<0.1	173	<1	0.18	0.25	0.41	43.19	4.5	39	7.2	14.72	1.7	0.9	0.6	1.07	9.92
49	NB071052	369	3.62	3.5	<0.1	243	<1	0.12	0.35	0.23	38.72	4.9	43	1.9	8.72	1.4	0.7	0.5	1.74	10.18
50	NB071054	258	4.59	12.3	<0.1	234	<1	0.22	0.44	0.23	46.75	6.3	50	5.6	15.50	2.1	1.2	0.6	2.62	12.11
51	NB071055	54	0.65	1.3	<0.1	59	<1	<0.04	0.82	1.00	3.15	6.7	64	0.1	7.16	0.4	0.2	<0.1	0.93	2.18
52	NB071056	213	2.86	4.2	<0.1	99	<1	0.29	1.42	0.25	16.52	15.0	180	1.1	22.47	1.2	1.2	0.4	3.13	10.68
53	NB072001	254	0.92	3.8	<0.1	272	<1	0.30	0.29	0.35	16.82	0.9	7	0.9	6.53	0.6	0.4	0.2	0.32	2.82
54	NB072002	965	2.36	4.7	<0.1	336	<1	0.51	0.36	0.81	26.28	3.2	12	1.1	15.99	1.3	0.7	0.4	0.75	6.66
55	NB072003	335	3.17	9.2	<0.1	208	<1	0.20	0.87	1.32	30.25	7.3	42	1.7	16.68	1.4	0.8	0.4	2.18	9.98
56	NB072004	249	1.09	3.0	<0.1	184	<1	0.27	0.53	1.06	11.14	2.1	11	0.6	13.78	0.8	0.4	0.1	0.62	3.88
57	NB072005	272	3.12	5.6	<0.1	195	<1	0.23	0.35	0.26	28.33	2.5	29	2.7	5.53	0.9	0.4	0.3	1.31	11.24
58	NB072006	388	4.45	21.2	<0.1	213	2	0.43	0.35	0.92	32.67	5.7	42	3.0	12.34	2.0	1.1	0.4	3.41	16.29
59	NB072007	211	5.34	4.6	<0.1	400	<1	0.18	1.23	0.70	41.91	11.0	81	2.5	12.67	1.3	0.9	0.5	2.71	12.17
60	NB072009	370	0.53	3.9	<0.1	104	<1	0.51	0.30	2.11	5.68	1.2	7	0.3	13.88	0.3	0.1	<0.1	0.34	1.77
61	NB072010	444	4.28	8.4	<0.1	270	<1	0.40	0.45	0.87	39.24	6.5	65	1.6	10.77	1.7	1.3	0.5	3.14	14.15
62	NB072011	573	0.75	2.2	<0.1	139	<1	0.26	0.28	0.53	8.70	0.9	10	0.6	7.02	0.6	0.4	<0.1	0.43	3.12
63	NB072012	292	0.83	2.7	<0.1	108	<1	0.24	0.34	0.41	10.20	1.0	6	0.9	9.44	1.0	0.6	0.2	0.33	3.82
64	NB072013	210	1.17	1.1	<0.1	180	<1	0.21	0.09	0.90	11.42	1.0	5	0.5	7.33	0.5	0.2	0.2	0.37	3.56
65	NB072014	219	3.24	4.5	<0.1	184	<1	0.17	0.34	0.36	31.36	4.3	47	2.3	11.28	1.4	0.7	0.5	1.93	10.68
66	NB072015	271	4.24	2.5	<0.1	247	<1	0.17	0.70	0.44	25.03	14.1	167	2.0	16.31	0.8	0.5	0.3	4.16	17.84
67	NB072016	288	1.21	1.3	<0.1	255	<1	0.22	0.68	1.47	11.46	4.6	28	1.3	11.66	0.5	0.3	0.1	0.77	4.45
68	NB072017	235	0.61	1.8	<0.1	124	<1	0.17	0.33	0.75	4.86	1.0	10	0.4	13.75	0.3	0.2	<0.1	0.43	2.48
69	NB072018	143	0.37	1.7	<0.1	111	<1	0.22	0.45	0.30	3.79	1.4	5	0.3	6.67	0.2	0.1	<0.1	0.19	1.05
70	NB072019	298	0.80	3.3	<0.1	104	<1	0.30	0.50	0.44	7.73	1.3	13	0.4	6.17	0.3	0.3	<0.1	0.38	3.16
71	NB072020	244	1.31	1.9	<0.1	174	<1	0.21	0.27	0.65	8.47	1.8	36	1.1	10.60	0.6	0.5	<0.1	0.42	5.74
72	NB072021	140	0.74	0.9	<0.1	96	<1	0.16	0.20	0.29	12.96	0.8	5	0.5	5.20	0.8	0.4	0.2	0.24	2.05
73	NB072022	252	3.61	2.1	<0.1	201	<1	0.22	0.21	0.30	32.37	4.1	26	3.0	9.90	1.3	0.8	0.4	1.23	9.74
74	NB072023	825	1.54	2.4	<0.1	136	<1	0.28	0.32	0.48	16.50	4.9	16	1.0	11.77	0.7	0.5	0.3	0.62	4.23
75	NB072024	257	1.84	4.6	<0.1	185	<1	0.24	0.21	0.49	24.20	2.1	20	1.2	10.04	1.2	0.6	0.3	0.78	6.55
76	NB072026	440	1.05	3.0	<0.1	185	<1	0.27	0.14	0.28	16.52	1.1	9	0.8	6.09	0.7	0.5	0.2	0.43	3.21
77	NB072027	552	0.77	1.4	<0.1	250	<1	0.25	0.49	0.64	10.51	1.4	7	0.5	9.90	0.6	0.3	0.2	0.34	2.38
78	NB072028	467	1.16	1.7	<0.1	286	<1	0.24	0.44	0.69	11.69	1.2	8	0.9	6.50	0.5	0.3	0.1	0.32	3.62
79	NB072029	293	0.69	1.2	<0.1	240	<1	0.20	0.31	1.00	10.71	1.8	4	0.5	16.02	0.6	0.3	0.1	0.21	1.92
80	NB072030	92	1.34	1.2	<0.1	168	<1	0.15	0.16	0.26	15.10	1.2	8	1.0	4.53	0.9	0.6	0.3	0.47	3.68
81	NB072031	76	2.31	5.5	<0.1	126	<1	0.20	0.05	0.29	21.24	2.1	18	1.3	6.00	0.9	0.6	0.3	1.62	6.69
82	NB072032	260	1.28	1.3	<0.1	268	<1	0.15	0.17	0.31	20.93	1.7	10	0.8	6.12	0.8	0.5	0.3	0.47	4.32
83	NB072033	304	1.00	1.4	<0.1	85	<1	0.12	0.14	0.28	11.54	0.9	7	0.8	4.25	0.5	0.3	0.2	0.44	3.15
84	NB072034	898	0.84	2.1	<0.1	173	<1	0.22	0.80	0.90	13.98	1.0	12	0.5	11.06	0.4	0.2	0.2	0.30	2.98
85	NB072035	301	0.39	1.1	<0.1	126	<1	0.09	0.30	0.38	4.67	0.6	5	0.2	7.12	<0.1	<0.1	<0.1	0.21	1.11
86	NB072036	179	3.59	4.8	<0.1	263	<1	0.14	0.58	0.51	36.65	7.5	58	2.9	11.15	1.0	0.6	0.4	2.28	10.79

A-horizon
<2 mm fraction
4-acid dissolution

North American Soil Geochemistry 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		4acid	4acid	4acid	4acid	4acid	4acid	4acid	4acid	4acid	4acid	4acid	4acid	4acid	4acid	4acid	4acid	4acid	4acid	4acid
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
44	NB071047	1.3	1.93	0.2	0.51	14.8	8.6	0.1	0.10	84	0.49	0.316	6.45	13.1	5.7	0.060	58.56	3.4	26.2	<0.04
45	NB071048	1.7	2.17	0.3	0.40	16.0	9.0	0.2	0.10	121	0.62	0.247	9.47	14.6	6.3	0.046	48.55	3.5	26.3	0.04
46	NB071049	1.6	2.28	0.3	0.60	15.6	9.0	0.1	0.09	191	0.52	0.270	6.70	13.5	6.5	0.085	51.74	3.3	33.7	0.07
47	NB071050	1.9	3.07	0.3	0.79	26.1	25.2	0.2	0.37	749	0.34	0.489	9.62	21.5	15.5	0.101	20.86	5.9	51.8	<0.04
48	NB071051	1.4	2.06	0.3	0.76	22.8	17.2	0.2	0.38	173	0.43	0.440	6.61	18.8	15.4	0.092	39.14	5.3	61.3	0.07
49	NB071052	1.8	2.17	0.2	0.90	18.0	24.5	0.1	0.42	316	0.31	0.722	6.96	17.1	16.9	0.079	23.65	4.2	50.2	0.05
50	NB071054	3.0	2.99	0.4	1.36	23.8	34.9	0.2	0.49	353	1.05	0.531	11.34	23.2	19.9	0.091	22.14	5.4	89.8	0.06
51	NB071055	0.3	0.67	<0.1	0.13	1.8	1.9	<0.1	0.64	159	0.32	0.153	2.83	1.7	14.6	0.033	5.43	0.4	4.5	0.12
52	NB071056	1.3	1.47	0.3	0.50	8.3	10.8	0.1	1.69	478	0.99	0.513	6.32	8.1	40.3	0.061	58.22	2.0	19.9	0.07
53	NB072001	1.1	1.24	0.1	0.46	8.9	3.2	<0.1	0.07	181	0.41	0.164	3.64	7.6	3.0	0.066	62.23	1.8	20.9	0.10
54	NB072002	1.5	1.80	0.3	0.91	15.7	3.6	0.1	0.20	1299	0.76	0.676	6.40	12.0	5.1	0.089	140.51	3.4	41.8	0.09
55	NB072003	1.7	1.83	0.3	0.75	16.6	12.2	0.1	0.46	686	0.57	0.459	8.73	13.7	14.6	0.151	38.95	3.7	48.8	0.07
56	NB072004	0.9	1.02	0.2	0.37	5.5	2.0	<0.1	0.14	5102	0.59	0.228	4.12	5.5	5.2	0.132	78.28	1.4	22.2	0.13
57	NB072005	1.3	1.90	0.2	1.28	14.6	10.9	<0.1	0.20	128	0.52	0.582	7.67	14.1	6.4	0.070	28.34	3.2	58.3	0.06
58	NB072006	2.0	3.72	0.4	1.42	14.1	29.0	0.2	0.37	441	0.96	0.686	11.86	12.5	15.1	0.078	57.15	3.2	73.7	0.05
59	NB072007	1.9	2.06	0.3	1.11	20.3	55.0	0.2	0.92	998	0.53	0.674	7.04	17.4	50.5	0.076	30.11	4.3	65.0	0.07
60	NB072009	0.4	0.30	<0.1	0.21	3.2	2.0	<0.1	0.09	63	1.15	0.068	1.44	2.7	8.0	0.123	138.52	0.7	7.3	0.12
61	NB072010	1.9	3.88	0.4	0.95	20.1	21.5	0.2	0.42	830	0.81	0.893	14.20	16.4	16.6	0.110	81.90	4.4	48.8	0.05
62	NB072011	0.6	1.11	0.1	0.24	4.8	2.4	<0.1	0.06	73	0.62	0.147	3.93	3.7	4.1	0.092	59.61	1.0	12.6	0.12
63	NB072012	1.0	1.40	0.2	0.42	4.8	3.6	<0.1	0.12	701	0.74	0.223	9.70	5.7	3.6	0.084	46.16	1.3	19.1	0.12
64	NB072013	0.6	0.66	<0.1	0.61	5.8	1.7	<0.1	0.04	48	0.48	0.208	3.37	5.1	3.8	0.078	52.31	1.2	17.6	0.09
65	NB072014	2.0	1.95	0.3	0.94	16.3	13.5	0.1	0.38	379	0.42	0.281	7.65	15.6	15.9	0.103	28.54	3.8	52.5	0.10
66	NB072015	1.0	1.96	0.2	0.80	9.5	14.8	<0.1	1.07	607	0.51	0.609	9.42	8.4	38.5	0.227	23.11	2.0	29.6	0.06
67	NB072016	0.5	0.65	<0.1	0.44	6.8	6.1	<0.1	0.24	4087	0.63	0.160	2.41	5.2	15.0	0.160	68.06	1.3	25.1	0.15
68	NB072017	0.3	0.40	<0.1	0.23	2.9	2.2	<0.1	0.09	1551	0.49	0.082	1.59	2.4	5.9	0.156	44.88	0.6	8.7	0.15
69	NB072018	0.3	0.20	<0.1	0.15	2.4	1.3	<0.1	0.09	81	2.34	0.050	0.74	2.0	5.5	0.087	57.00	0.5	4.6	0.13
70	NB072019	0.3	0.57	<0.1	0.21	4.3	2.0	<0.1	0.10	95	0.66	0.125	2.19	3.2	7.5	0.097	78.60	0.9	8.4	0.15
71	NB072020	0.5	1.38	0.1	0.45	4.3	4.5	<0.1	0.17	456	0.58	0.258	5.25	3.4	12.9	0.134	46.75	0.9	20.6	0.14
72	NB072021	0.8	1.18	0.2	0.38	7.2	3.7	<0.1	0.05	625	0.25	0.141	3.43	6.4	1.7	0.037	55.88	1.6	13.3	<0.04
73	NB072022	1.5	1.72	0.3	0.84	18.1	14.3	0.2	0.24	279	0.44	0.305	7.65	13.8	8.0	0.089	39.03	3.9	65.4	0.06
74	NB072023	1.0	1.08	0.2	0.43	9.7	6.8	<0.1	0.16	152	0.60	0.280	4.04	7.1	8.8	0.077	78.80	1.9	27.2	0.09
75	NB072024	1.2	1.90	0.2	0.74	13.1	6.8	0.1	0.15	231	0.47	0.354	7.54	11.8	5.9	0.083	43.76	2.8	33.2	0.07
76	NB072026	0.8	1.12	0.2	0.34	8.7	4.9	<0.1	0.07	109	0.73	0.185	4.16	6.6	3.8	0.102	52.04	1.7	18.9	0.11
77	NB072027	0.8	0.62	0.1	0.31	6.4	3.1	<0.1	0.09	1587	0.51	0.198	2.10	5.5	3.9	0.107	59.04	1.4	14.6	0.10
78	NB072028	0.7	0.79	0.1	0.62	7.1	2.6	<0.1	0.09	177	0.44	0.272	2.97	5.6	3.3	0.067	55.70	1.3	28.5	0.08
79	NB072029	0.9	0.82	0.1	0.33	6.0	2.2	<0.1	0.07	312	0.46	0.095	2.92	5.6	3.0	0.086	33.30	1.3	14.2	0.09
80	NB072030	0.9	1.42	0.2	0.62	8.9	6.0	0.1	0.09	351	0.21	0.319	3.93	7.1	2.5	0.028	27.77	1.9	34.5	<0.04
81	NB072031	1.2	1.51	0.2	0.51	10.7	12.8	0.1	0.13	84	0.44	0.365	4.99	9.6	5.0	0.037	27.85	2.3	25.8	0.04
82	NB072032	1.1	1.52	0.2	0.55	11.3	4.4	0.1	0.08	227	0.45	0.274	5.11	9.4	5.3	0.085	31.68	2.5	26.9	0.07
83	NB072033	0.5	0.79	0.1	0.39	6.7	3.8	<0.1	0.08	247	0.23	0.155	2.67	5.4	3.9	0.099	17.06	1.5	24.4	0.10
84	NB072034	0.8	0.84	<0.1	0.25	8.2	2.5	<0.1	0.11	729	0.63	0.139	2.85	6.5	5.9	0.136	65.74	1.8	10.0	0.16
85	NB072035	0.3	0.28	<0.1	0.13	2.5	1.3	<0.1	0.07	143	0.21	0.062	0.71	2.4	3.5	0.064	23.85	0.6	5.7	0.10
86	NB072036	1.5	1.84	0.2	1.26	17.1	25.1	0.1	0.61	673	0.42	0.449	5.76	15.8	26.0	0.141	17.97	4.1	65.1	0.09

A-horizon
<2 mm fraction
4-acid dissolution

North American Soil Geochemistry 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		4acid	4acid	4acid	4acid	4acid	4acid	4acid	4acid	4acid	4acid	4acid	4acid	4acid	4acid	4acid	4acid	4acid
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
44	NB071047	0.50	2.6	2.1	2.1	30	0.4	0.2	4.2	0.237	0.1	1.7	26	0.5	6.8	0.9	20.5	66.8
45	NB071048	0.57	2.9	2.2	2.2	27	0.5	0.2	3.8	0.289	0.1	1.2	26	0.7	7.0	1.0	41.3	75.5
46	NB071049	0.71	2.7	2.1	2.3	26	0.4	0.3	3.6	0.212	0.1	1.3	24	0.7	7.6	0.9	36.9	77.3
47	NB071050	0.87	5.1	3.2	1.6	50	0.5	0.2	6.8	0.436	0.2	1.7	60	1.2	8.5	1.1	133.2	113.6
48	NB071051	0.76	5.6	2.7	2.1	39	0.4	0.3	5.5	0.258	0.1	1.5	46	0.7	11.6	1.0	46.7	74.6
49	NB071052	0.31	5.3	2.5	1.5	53	0.3	0.2	4.5	0.239	0.1	1.2	52	0.5	6.4	0.9	48.3	79.0
50	NB071054	1.83	7.1	3.9	2.2	46	0.6	0.3	6.9	0.367	0.2	1.8	63	1.4	11.3	1.4	68.7	103.2
51	NB071055	0.23	3.1	0.4	0.4	55	0.1	<0.1	0.6	0.176	<0.1	0.4	43	0.1	1.6	0.2	59.7	27.7
52	NB071056	0.91	13.1	1.4	2.9	42	0.3	0.2	2.2	0.394	0.1	0.7	116	0.6	6.8	0.8	39.5	57.5
53	NB072001	0.86	1.3	1.2	1.6	26	0.2	0.1	2.0	0.118	<0.1	0.6	12	0.4	3.5	0.5	53.1	41.0
54	NB072002	1.68	3.6	1.8	2.5	40	0.3	0.2	3.8	0.210	0.1	1.1	26	0.9	7.1	0.8	119.2	66.5
55	NB072003	1.27	5.7	2.3	1.6	59	0.5	0.2	4.4	0.423	0.1	1.4	66	0.9	7.3	0.9	150.1	68.9
56	NB072004	0.89	2.2	1.0	1.7	31	0.2	0.1	1.6	0.151	<0.1	0.5	24	0.6	3.7	0.5	97.5	31.7
57	NB072005	0.65	3.6	1.9	2.2	54	0.5	0.2	4.6	0.269	<0.1	1.1	47	1.0	4.7	0.6	31.1	66.4
58	NB072006	0.95	5.3	2.0	2.6	44	0.9	0.3	6.9	0.412	0.2	2.3	79	1.3	9.3	1.4	121.4	123.2
59	NB072007	0.38	6.9	2.4	1.6	118	0.3	0.3	5.8	0.290	0.2	1.6	57	0.5	9.0	1.0	189.1	71.9
60	NB072009	1.33	1.0	0.4	2.6	31	<0.1	<0.1	0.6	0.049	<0.1	0.3	11	0.2	1.4	0.2	57.5	12.1
61	NB072010	1.25	5.5	2.5	2.0	95	0.7	0.3	6.3	0.623	0.2	1.9	82	0.7	9.9	1.2	105.0	145.5
62	NB072011	1.01	1.3	0.6	2.3	51	0.2	<0.1	1.5	0.128	<0.1	0.6	16	0.4	3.7	0.5	54.2	38.3
63	NB072012	0.76	0.9	1.1	2.1	18	0.4	0.1	1.3	0.060	<0.1	0.5	10	0.4	4.9	0.8	80.1	48.3
64	NB072013	0.62	1.4	0.8	2.1	25	0.2	<0.1	1.2	0.079	<0.1	0.5	10	0.3	2.3	0.3	38.7	20.9
65	NB072014	0.57	6.7	2.3	1.9	31	0.4	0.2	4.1	0.314	0.1	1.1	63	0.7	7.3	1.0	74.7	68.3
66	NB072015	0.28	5.1	1.2	1.4	189	0.5	0.1	2.4	0.769	<0.1	0.9	124	0.4	4.3	0.6	74.4	80.0
67	NB072016	0.56	3.0	0.7	1.5	59	0.1	<0.1	1.8	0.111	<0.1	0.6	29	0.3	2.6	0.4	128.9	24.6
68	NB072017	0.75	1.1	0.4	1.4	18	<0.1	<0.1	1.0	0.075	<0.1	0.4	14	0.2	1.9	0.2	70.1	15.4
69	NB072018	0.71	0.7	0.3	1.9	36	<0.1	<0.1	0.5	0.039	<0.1	0.7	8	0.1	1.1	0.1	76.8	12.5
70	NB072019	0.98	1.4	0.5	2.1	39	0.1	<0.1	1.2	0.093	<0.1	0.5	22	0.2	1.7	0.2	57.1	20.0
71	NB072020	0.66	3.9	0.5	2.5	35	0.2	<0.1	1.8	0.198	<0.1	0.8	29	0.4	3.9	0.6	76.9	47.8
72	NB072021	0.47	0.9	1.1	0.7	22	0.1	0.2	1.5	0.094	<0.1	0.5	9	0.3	4.4	0.5	24.8	41.8
73	NB072022	0.52	5.1	2.2	1.9	41	0.4	0.2	4.3	0.282	0.2	1.3	42	0.6	8.0	1.0	35.6	64.8
74	NB072023	0.62	2.0	1.1	1.7	37	0.2	0.1	2.3	0.155	<0.1	0.7	22	0.5	4.3	0.5	51.9	38.7
75	NB072024	0.97	3.2	1.9	1.8	33	0.4	0.2	3.2	0.240	<0.1	1.0	26	0.8	6.1	0.8	66.6	71.8
76	NB072026	0.82	1.5	1.0	2.1	25	0.2	0.1	2.0	0.128	<0.1	0.7	15	0.4	3.9	0.5	32.0	38.9
77	NB072027	0.77	1.1	0.8	1.4	42	<0.1	0.1	1.3	0.078	<0.1	0.4	11	0.2	3.2	0.3	86.0	22.1
78	NB072028	0.71	1.5	0.8	1.7	60	0.2	<0.1	1.5	0.090	<0.1	0.5	13	0.5	2.8	0.4	41.8	28.9
79	NB072029	0.64	0.9	0.9	0.9	30	0.2	<0.1	1.2	0.084	<0.1	0.4	9	0.3	3.3	0.4	124.3	28.1
80	NB072030	0.38	1.6	1.1	1.0	29	0.2	0.1	2.7	0.142	0.1	0.9	17	0.4	5.4	0.6	45.4	45.3
81	NB072031	0.49	2.5	1.6	1.6	22	0.3	0.2	3.2	0.163	<0.1	0.9	33	0.6	5.3	0.9	14.7	52.5
82	NB072032	0.50	1.9	1.6	1.3	27	0.3	0.2	3.1	0.179	<0.1	0.9	22	0.5	5.0	0.7	32.9	54.4
83	NB072033	0.32	1.2	0.9	0.7	22	0.1	<0.1	1.7	0.091	<0.1	0.5	14	0.3	3.2	0.3	46.8	29.2
84	NB072034	0.86	1.5	1.0	2.6	51	0.1	<0.1	1.9	0.116	<0.1	0.5	15	0.3	2.6	0.3	119.2	31.1
85	NB072035	0.30	0.7	0.4	0.7	31	<0.1	<0.1	0.6	0.032	<0.1	<0.1	7	<0.1	0.9	<0.1	61.9	9.5
86	NB072036	0.29	6.5	2.4	1.3	59	0.3	0.2	4.4	0.206	0.1	1.1	61	0.5	5.7	0.8	112.0	66.9

A-horizon
<2 mm fraction
4-acid dissolution

North American Soil Geochemistry Landscapes Project
Soil Geochemistry Data

Variable Unit Min. Detection Limit Sample Preparation Dissolution Instrumentation		Ag ppb 20 milled 4acid ICP-MS&ES	Al % 0.02 milled 4acid ICP-MS&ES	As ppm 0.2 milled 4acid ICP-MS&ES	Au ppm 0.1 milled 4acid ICP-MS&ES	Ba ppm 1 milled 4acid ICP-MS&ES	Be ppm 1 milled 4acid ICP-MS&ES	Bi ppm 0.04 milled 4acid ICP-MS&ES	Ca % 0.02 milled 4acid ICP-MS&ES	Cd ppm 0.02 milled 4acid ICP-MS&ES	Ce ppm 0.02 milled 4acid ICP-MS&ES	Co ppm 0.2 milled 4acid ICP-MS&ES	Cr ppm 1 milled 4acid ICP-MS&ES	Cs ppm 0.1 milled 4acid ICP-MS&ES	Cu ppm 0.02 milled 4acid ICP-MS&ES	Dy ppm 0.1 milled 4acid ICP-MS&ES	Er ppm 0.1 milled 4acid ICP-MS&ES	Eu ppm 0.1 milled 4acid ICP-MS&ES	Fe % 0.02 milled 4acid ICP-MS&ES	Ga ppm 0.02 milled 4acid ICP-MS&ES
87	NB072037	467	2.98	5.2	<0.1	235	<1	0.20	0.38	0.77	27.04	4.4	61	2.2	10.74	0.9	0.5	0.4	0.98	9.09
88	NB072038	193	0.74	1.7	<0.1	139	<1	0.24	0.13	0.39	9.17	1.0	11	0.8	6.41	0.3	0.2	0.1	0.26	2.52
89	NB072039	340	3.49	4.8	<0.1	212	<1	0.25	0.22	0.23	44.51	3.3	61	2.7	9.27	1.1	0.8	0.5	1.34	13.43
90	NB072040	336	1.02	1.6	<0.1	119	<1	0.15	0.19	0.46	17.08	1.0	12	0.8	7.23	0.5	0.3	0.2	0.32	3.40
91	NB072041	446	1.29	1.7	<0.1	291	<1	0.24	0.78	0.76	19.42	1.6	21	0.7	6.85	0.8	0.5	0.3	0.29	3.93
92	NB072042	596	2.53	2.6	<0.1	176	<1	0.18	0.25	0.29	41.81	1.6	29	1.8	8.42	1.2	0.6	0.5	0.72	8.74
93	NB072043	256	4.17	4.7	<0.1	269	<1	0.17	0.88	0.30	48.76	5.6	46	2.8	9.71	1.7	1.1	0.7	1.77	11.13
94	NB072044	96	1.91	1.8	<0.1	112	<1	0.07	0.12	0.11	17.85	1.5	11	1.1	4.71	0.9	0.5	0.3	0.69	4.73
95	NB072045	82	1.14	1.9	<0.1	161	<1	0.17	0.17	0.30	14.04	1.1	7	0.8	5.71	0.8	0.5	0.1	0.43	2.85
96	NB072046	286	2.91	1.2	<0.1	226	1	0.14	0.07	0.31	30.82	3.9	21	1.6	11.12	1.7	0.8	0.6	0.69	7.38
97	NB072047	512	1.33	1.3	<0.1	166	<1	0.14	0.16	0.54	19.08	1.5	11	1.0	7.37	1.2	0.6	0.3	0.55	3.89
98	NB072048	275	0.83	2.5	<0.1	159	<1	0.24	0.38	0.56	9.88	1.0	7	0.4	5.00	0.5	0.3	0.1	0.31	2.41
99	NB072050	737	4.41	4.8	<0.1	157	<1	0.30	0.04	0.20	34.86	3.6	32	3.4	8.16	1.7	1.1	0.5	1.27	14.48
100	NB072051	246	1.98	2.1	<0.1	171	<1	0.19	0.12	0.20	28.24	1.8	16	1.2	8.69	1.0	0.7	0.4	0.83	5.99
101	NB072052	168	3.14	2.8	<0.1	208	<1	0.26	0.05	0.29	32.29	4.5	25	2.2	6.58	1.5	0.9	0.5	1.57	8.97
102	NB072053	215	2.09	3.1	<0.1	211	<1	0.26	0.52	0.51	20.95	3.6	29	1.0	12.15	1.0	0.7	0.3	1.20	7.18
103	NB072054	157	3.80	4.7	<0.1	278	<1	0.12	0.36	0.19	38.53	8.8	52	2.0	13.29	1.6	0.8	0.5	2.37	10.39
104	NB072055	219	1.31	3.2	<0.1	129	<1	0.29	0.13	0.32	19.67	1.3	22	1.1	6.20	0.7	0.4	0.2	0.51	5.27
105	NB072056	329	1.70	1.8	<0.1	160	<1	0.18	0.30	0.96	19.65	1.9	33	1.2	9.86	0.6	0.4	0.2	0.52	5.84
106	NB072057	170	1.93	2.0	<0.1	165	<1	0.42	0.11	0.36	13.49	2.1	47	1.4	9.72	0.7	0.5	0.3	0.96	7.86
107	NB072058	212	3.42	3.9	<0.1	220	<1	0.13	0.28	0.40	30.76	7.3	59	2.8	11.20	1.0	0.6	0.3	1.67	9.97
108	NB072059	264	2.26	2.4	<0.1	224	<1	0.15	0.36	0.69	35.60	2.0	45	1.8	10.60	0.9	0.5	0.5	0.61	8.60
109	NB072060	292	0.85	2.1	<0.1	116	<1	0.19	0.23	0.55	11.59	1.2	15	0.6	11.09	0.5	0.3	0.2	0.40	2.86
110	NB072061	852	1.15	2.5	<0.1	121	<1	0.35	0.31	0.49	8.77	1.3	15	0.9	8.02	0.6	0.2	0.1	0.65	4.59
111	NB072062	262	3.82	1.2	<0.1	293	<1	0.26	0.63	0.34	29.17	7.3	30	2.0	8.65	1.8	0.9	0.6	1.82	10.20
112	NB072063	443	0.49	2.1	<0.1	82	<1	0.20	0.52	0.56	4.64	0.9	5	0.4	7.61	0.2	0.1	<0.1	0.23	1.74
113	NB072064	342	1.71	3.1	<0.1	226	<1	0.30	0.19	0.56	22.82	1.6	17	1.1	8.00	1.0	0.6	0.2	0.72	5.83
114	NB072065	242	1.45	1.2	<0.1	327	<1	0.12	0.33	0.39	24.77	1.9	15	0.9	6.65	0.9	0.5	0.3	0.41	4.69
115	NB072066	917	1.97	2.5	<0.1	73	1	0.25	0.08	0.24	15.36	6.4	12	1.2	11.37	1.1	0.7	0.3	0.56	3.40
116	NS071001	346	1.56	2.4	<0.1	131	<1	0.19	0.07	0.66	22.14	1.5	15	1.2	10.44	1.0	0.5	0.2	0.65	3.99
117	NS071002																			
118	NS071003																			
119	NS071004																			
120	NS071005																			
121	NS071006	219	5.05	4.9	<0.1	323	1	0.15	0.21	0.14	45.95	8.9	39	3.6	11.43	1.8	1.0	0.6	2.17	12.65
122	NS071007																			
123	NS071008																			
124	NS071009	55	4.05	0.7	<0.1	46	2	0.87	0.11	0.06	18.05	<0.2	2	9.7	4.45	0.8	0.3	0.1	0.29	20.45
125	NS071010	195	2.74	3.2	<0.1	189	<1	0.14	0.10	0.16	40.99	2.6	20	1.9	5.12	1.4	0.9	0.6	1.39	8.72
126	NS071011	231	3.81	3.0	<0.1	207	<1	0.20	0.30	0.25	42.65	2.6	36	1.8	8.00	1.9	1.1	0.6	2.02	13.18
127	NS071012	249	6.12	3.7	<0.1	481	2	0.22	0.82	0.07	38.75	4.0	28	4.9	3.88	1.8	0.9	0.5	1.92	14.29
128	NS071013	213	3.78	4.3	<0.1	178	<1	0.16	0.06	0.16	55.13	2.2	33	2.8	7.52	2.1	1.2	0.7	1.71	10.80
129	NS071014	518	5.29	7.1	<0.1	289	1	0.24	0.12	0.22	45.94	9.0	39	4.2	10.36	2.3	1.5	0.7	2.61	12.26

A-horizon
<2 mm fraction
4-acid dissolution

North American Soil Geochemistry 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		4acid	4acid	4acid	4acid	4acid	4acid	4acid	4acid	4acid	4acid	4acid	4acid	4acid	4acid	4acid	4acid	4acid	4acid	4acid
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
87	NB072037	1.4	1.90	0.2	0.72	15.0	6.7	<0.1	0.27	3153	0.81	0.534	4.78	13.7	11.9	0.159	60.60	3.2	41.1	0.13
88	NB072038	0.4	0.56	<0.1	0.22	5.1	2.1	<0.1	0.10	173	0.76	0.111	2.17	4.3	6.4	0.116	72.30	1.1	12.4	0.13
89	NB072039	1.9	2.52	0.3	0.86	24.4	9.7	0.2	0.32	255	0.53	0.391	6.95	21.1	13.3	0.105	49.25	5.9	47.5	0.09
90	NB072040	0.7	0.79	0.1	0.31	8.6	2.9	<0.1	0.12	231	1.13	0.143	2.56	7.5	7.6	0.121	34.84	2.0	13.8	0.16
91	NB072041	1.2	1.37	0.2	0.35	11.8	3.6	<0.1	0.20	1167	0.47	0.292	4.58	9.3	6.7	0.098	57.19	2.7	16.4	0.12
92	NB072042	2.2	2.90	0.2	0.67	21.9	6.2	0.1	0.17	86	1.08	0.591	7.95	20.6	6.5	0.090	44.08	4.8	29.5	0.07
93	NB072043	2.4	2.63	0.4	1.04	25.4	22.6	0.2	0.41	600	1.00	0.764	7.77	23.7	13.7	0.067	19.72	6.3	74.2	0.06
94	NB072044	0.9	1.36	0.2	0.62	10.2	9.1	0.1	0.12	147	0.19	0.403	4.43	8.4	3.8	0.060	14.50	2.2	35.8	0.04
95	NB072045	0.8	0.86	0.2	0.40	7.8	5.1	<0.1	0.10	273	0.20	0.271	3.09	5.9	3.6	0.055	34.13	1.7	26.7	0.07
96	NB072046	2.0	1.14	0.3	0.55	16.7	8.1	0.1	0.15	56	0.53	0.336	4.74	15.7	9.2	0.139	40.96	4.0	38.7	0.18
97	NB072047	1.0	1.47	0.2	0.46	10.2	7.6	0.1	0.11	239	0.27	0.262	4.60	8.4	5.6	0.065	39.14	2.2	25.1	0.05
98	NB072048	0.5	0.74	0.1	0.27	5.8	3.5	<0.1	0.07	325	0.62	0.140	2.56	4.5	3.5	0.068	62.85	1.2	13.2	0.09
99	NB072050	1.8	2.06	0.3	0.72	17.4	12.4	0.2	0.23	56	0.58	0.234	7.28	13.5	6.4	0.114	24.81	3.5	55.6	0.09
100	NB072051	1.2	2.12	0.2	0.53	15.7	9.0	0.1	0.13	381	1.11	0.349	6.36	12.4	5.3	0.058	40.18	3.4	26.3	0.05
101	NB072052	1.6	2.08	0.3	0.82	17.9	17.7	0.1	0.22	314	0.50	0.432	7.24	14.0	8.1	0.079	51.16	4.0	49.3	<0.04
102	NB072053	1.1	2.02	0.2	0.71	10.1	5.8	0.1	0.23	631	0.76	0.476	6.33	8.5	9.4	0.131	48.60	2.2	36.4	0.11
103	NB072054	2.3	2.27	0.3	1.08	17.5	30.4	0.2	0.66	684	0.32	0.734	6.61	17.3	30.8	0.096	18.47	4.2	53.7	0.06
104	NB072055	1.0	1.28	0.1	0.39	10.4	3.5	<0.1	0.11	67	0.78	0.147	4.11	10.0	6.6	0.119	61.92	2.4	18.3	0.12
105	NB072056	0.9	1.15	0.1	0.56	11.6	7.1	<0.1	0.20	687	0.80	0.303	4.62	8.6	10.0	0.143	45.80	2.5	28.4	0.14
106	NB072057	0.9	1.32	0.1	0.56	8.4	5.7	<0.1	0.26	300	0.91	0.240	4.17	6.2	14.8	0.108	64.36	1.9	33.7	0.11
107	NB072058	1.2	1.64	0.2	1.00	16.2	19.5	0.1	0.62	237	0.26	0.510	7.42	14.2	28.1	0.119	21.59	3.6	61.5	0.07
108	NB072059	1.5	2.04	0.2	0.66	20.0	5.7	0.1	0.21	1221	0.42	0.292	6.97	16.0	7.8	0.127	37.29	4.4	35.0	0.11
109	NB072060	0.7	0.80	<0.1	0.27	6.4	5.4	<0.1	0.11	276	0.51	0.098	2.37	5.6	5.8	0.108	45.37	1.5	14.0	0.15
110	NB072061	0.5	0.53	<0.1	0.39	4.7	2.0	<0.1	0.15	441	0.86	0.144	3.63	4.0	7.0	0.116	81.04	1.1	22.5	0.14
111	NB072062	2.1	1.60	0.3	1.05	15.4	9.0	0.1	0.39	388	0.77	0.701	7.69	13.8	11.4	0.111	42.70	3.4	42.3	0.09
112	NB072063	0.4	0.34	<0.1	0.24	2.5	0.8	<0.1	0.09	314	0.42	0.097	1.36	2.1	5.1	0.096	52.65	0.6	12.2	0.11
113	NB072064	1.3	1.64	0.2	0.64	11.9	5.7	<0.1	0.11	323	0.65	0.314	6.59	9.7	5.1	0.056	59.26	2.4	29.4	0.05
114	NB072065	1.2	1.77	0.2	0.56	14.2	6.0	0.1	0.10	1003	0.40	0.289	6.06	10.8	4.0	0.091	33.88	3.0	27.4	0.07
115	NB072066	1.2	0.57	0.2	0.32	8.1	6.4	<0.1	0.08	230	0.47	0.124	2.56	7.0	7.3	0.120	26.65	2.0	25.5	0.13
116	NS071001	1.0	1.40	0.2	0.45	10.7	8.2	0.1	0.09	77	1.40	0.254	4.92	9.0	5.1	0.098	61.64	2.2	20.6	0.11
117	NS071002																			
118	NS071003																			
119	NS071004																			
120	NS071005																			
121	NS071006	2.3	2.44	0.3	1.45	21.6	35.6	0.2	0.33	756	0.43	0.667	12.17	19.1	15.5	0.047	25.82	4.9	75.3	<0.04
122	NS071007																			
123	NS071008																			
124	NS071009	1.3	2.69	0.1	1.69	8.3	87.2	<0.1	0.03	80	0.08	1.386	15.83	8.7	0.5	0.045	7.10	2.4	214.7	<0.04
125	NS071010	1.9	2.89	0.3	0.68	21.5	18.5	0.2	0.12	526	0.38	0.384	10.51	19.0	4.5	0.022	14.16	5.1	37.4	<0.04
126	NS071011	2.5	4.13	0.3	1.01	23.8	10.4	0.2	0.19	231	0.53	0.719	12.44	19.2	4.6	0.035	14.08	5.2	41.1	<0.04
127	NS071012	2.2	2.32	0.3	2.26	18.4	25.2	0.2	0.41	384	0.52	1.563	7.76	16.2	9.0	0.026	34.39	4.2	81.6	<0.04
128	NS071013	2.7	3.95	0.4	0.99	30.5	19.4	0.2	0.18	146	0.51	0.529	12.39	25.0	4.4	0.026	12.99	7.0	58.8	<0.04
129	NS071014	2.3	3.82	0.5	1.40	23.0	46.9	0.3	0.41	1021	0.57	0.932	9.90	22.0	13.2	0.035	30.39	5.6	86.0	<0.04

A-horizon
<2 mm fraction
4-acid dissolution

North American Soil Geochemistry 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		4acid	4acid	4acid	4acid	4acid	4acid	4acid	4acid	4acid	4acid	4acid	4acid	4acid	4acid	4acid	4acid	4acid
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
87	NB072037	0.96	4.9	2.0	2.6	35	0.2	0.2	3.5	0.189	<0.1	1.1	53	0.5	4.9	0.7	80.3	63.2
88	NB072038	0.92	1.2	0.6	2.8	22	0.1	<0.1	1.1	0.076	<0.1	0.4	13	0.3	2.5	1.4	53.9	19.4
89	NB072039	0.61	6.9	3.4	2.7	33	0.4	0.3	6.5	0.287	0.1	1.8	79	0.7	7.2	1.1	41.4	93.7
90	NB072040	0.79	1.8	1.2	3.2	26	0.1	<0.1	2.2	0.102	<0.1	0.6	19	0.3	3.1	0.4	145.3	36.0
91	NB072041	0.73	2.0	1.4	2.1	77	0.2	0.1	2.4	0.205	<0.1	0.8	20	0.4	4.9	0.6	57.0	49.6
92	NB072042	0.86	4.8	3.2	2.5	46	0.4	0.2	5.0	0.308	0.1	1.3	40	0.7	5.9	0.8	34.9	91.1
93	NB072043	0.39	5.6	3.6	1.4	136	0.4	0.3	6.4	0.304	0.2	1.8	58	0.6	9.9	1.1	81.7	94.9
94	NB072044	0.32	1.7	1.3	0.8	23	0.2	0.1	3.0	0.166	<0.1	0.8	19	0.5	6.3	0.7	26.4	47.5
95	NB072045	0.42	1.2	1.0	0.9	37	0.1	0.1	2.1	0.110	<0.1	2.4	12	0.2	4.5	0.5	42.4	32.0
96	NB072046	0.40	4.2	2.7	1.7	23	0.3	0.3	3.5	0.184	0.1	1.5	27	0.4	8.6	1.0	21.3	43.4
97	NB072047	0.43	1.8	1.3	1.4	22	0.3	0.2	3.0	0.165	<0.1	0.9	19	0.4	6.0	0.6	52.9	50.6
98	NB072048	0.93	0.9	0.7	2.2	24	0.1	<0.1	1.6	0.095	<0.1	0.5	11	0.3	2.9	0.4	46.3	26.4
99	NB072050	0.35	6.3	2.2	2.4	22	0.5	0.3	4.7	0.250	0.2	1.8	50	0.7	8.0	1.2	18.0	71.6
100	NB072051	0.57	2.5	2.0	1.8	27	0.3	0.2	3.8	0.250	0.1	3.9	27	0.5	7.2	0.8	36.1	87.7
101	NB072052	0.55	4.0	2.3	2.0	31	0.4	0.3	5.0	0.271	0.2	1.5	45	0.7	8.9	1.1	46.2	69.3
102	NB072053	0.76	3.7	1.3	3.0	54	0.3	0.2	4.1	0.350	0.1	1.3	45	0.7	6.9	0.9	93.8	75.9
103	NB072054	0.34	4.9	2.9	1.2	53	0.3	0.3	4.7	0.225	0.1	1.2	54	0.5	8.1	1.0	67.9	77.7
104	NB072055	1.13	2.4	1.5	2.8	24	0.2	0.1	2.5	0.141	<0.1	0.7	27	0.4	3.4	0.6	49.6	42.1
105	NB072056	0.88	3.1	1.3	3.6	37	0.2	0.1	2.9	0.198	<0.1	0.9	33	0.5	3.6	0.5	127.9	42.2
106	NB072057	0.92	4.9	1.2	2.6	28	0.2	0.1	2.9	0.193	<0.1	1.0	49	0.4	3.7	0.6	36.7	49.5
107	NB072058	0.32	5.9	2.1	1.3	57	0.3	0.2	3.6	0.262	<0.1	1.0	54	0.6	5.4	0.7	80.9	62.2
108	NB072059	0.57	4.1	2.6	2.1	30	0.4	0.2	5.2	0.297	0.1	1.4	40	0.6	5.6	0.8	71.7	73.3
109	NB072060	0.77	1.5	0.8	1.8	25	0.1	<0.1	1.6	0.097	<0.1	0.4	20	0.2	2.5	0.4	47.6	24.3
110	NB072061	1.02	2.4	0.5	2.6	28	0.2	<0.1	1.5	0.152	<0.1	0.5	28	0.5	2.2	0.4	56.1	19.7
111	NB072062	0.55	5.1	2.3	2.5	70	0.5	0.3	4.2	0.279	0.1	1.2	47	0.8	7.7	0.8	39.4	51.4
112	NB072063	0.82	1.0	0.4	1.9	24	<0.1	<0.1	0.7	0.048	<0.1	0.3	9	0.2	1.3	0.2	100.4	14.2
113	NB072064	0.90	2.6	1.7	2.0	29	0.4	0.2	2.8	0.216	<0.1	0.9	24	0.8	5.1	0.7	37.2	60.1
114	NB072065	0.61	2.3	1.8	1.9	35	0.3	0.2	3.6	0.223	<0.1	1.1	19	0.5	5.8	0.7	33.7	62.5
115	NB072066	0.89	2.4	1.3	1.8	14	0.2	0.2	2.4	0.093	<0.1	1.7	16	0.4	4.8	0.5	32.2	20.6
116	NS071001	0.84	2.1	1.4	2.3	25	0.2	0.1	2.7	0.148	0.1	0.9	20	0.5	5.0	0.6	37.2	53.5
117	NS071002																	
118	NS071003																	
119	NS071004																	
120	NS071005																	
121	NS071006	0.43	6.0	3.1	2.0	72	0.7	0.4	5.8	0.386	0.1	1.5	60	0.9	9.2	1.3	51.6	73.1
122	NS071007																	
123	NS071008																	
124	NS071009	0.07	2.8	1.6	22.9	12	3.5	0.2	4.6	0.093	<0.1	2.2	4	7.5	3.4	0.4	21.3	54.7
125	NS071010	0.37	3.2	3.0	1.5	53	0.6	0.2	5.6	0.411	0.2	1.7	48	0.9	8.1	1.2	17.2	102.0
126	NS071011	0.42	5.2	3.2	1.7	76	0.9	0.3	7.5	0.543	0.2	2.4	86	1.4	10.4	1.4	14.4	150.5
127	NS071012	0.25	5.0	2.7	2.1	178	0.5	0.3	8.6	0.283	0.2	2.3	46	0.8	9.5	1.0	34.2	74.5
128	NS071013	0.54	5.0	3.8	1.6	84	0.6	0.4	8.3	0.472	0.2	2.4	54	1.1	12.6	1.6	15.0	131.3
129	NS071014	0.66	5.8	3.1	2.1	81	0.6	0.3	8.1	0.348	0.2	2.2	57	1.1	11.4	1.7	55.7	99.6

A-horizon
<2 mm fraction
4-acid dissolution

North American Soil Geochemistry Landscapes Project
Soil Geochemistry Data

Variable Unit Min. Detection Limit Sample Preparation Dissolution Instrumentation		Ag ppb 20 milled 4acid ICP-MS&ES	Al % 0.02 milled 4acid ICP-MS&ES	As ppm 0.2 milled 4acid ICP-MS&ES	Au ppm 0.1 milled 4acid ICP-MS&ES	Ba ppm 1 milled 4acid ICP-MS&ES	Be ppm 1 milled 4acid ICP-MS&ES	Bi ppm 0.04 milled 4acid ICP-MS&ES	Ca % 0.02 milled 4acid ICP-MS&ES	Cd ppm 0.02 milled 4acid ICP-MS&ES	Ce ppm 0.02 milled 4acid ICP-MS&ES	Co ppm 0.2 milled 4acid ICP-MS&ES	Cr ppm 1 milled 4acid ICP-MS&ES	Cs ppm 0.1 milled 4acid ICP-MS&ES	Cu ppm 0.02 milled 4acid ICP-MS&ES	Dy ppm 0.1 milled 4acid ICP-MS&ES	Er ppm 0.1 milled 4acid ICP-MS&ES	Eu ppm 0.1 milled 4acid ICP-MS&ES	Fe % 0.02 milled 4acid ICP-MS&ES	Ga ppm 0.02 milled 4acid ICP-MS&ES
130	NS071015	1249	5.81	9.2	<0.1	244	2	0.30	0.13	0.47	54.31	23.4	48	10.9	12.25	2.4	1.4	0.7	3.07	14.72
131	NS071016	556	6.65	10.2	<0.1	273	1	0.30	0.07	0.15	62.66	5.8	65	5.5	12.85	2.2	1.6	0.7	3.10	18.60
132	NS071017																			
133	NS071019																			
134	NS071020																			
135	NS071021	261	4.36	5.3	<0.1	241	1	0.15	0.21	0.32	45.97	4.9	19	4.1	7.29	1.8	0.7	0.5	1.78	11.04
136	NS071022																			
137	NS071023	127	4.43	4.9	<0.1	287	<1	0.16	0.30	0.10	28.12	3.8	22	2.8	6.89	1.7	0.9	0.4	1.93	11.93
138	NS071024																			
139	NS071025																			
140	NS071026																			
141	NS071027	890	5.45	14.5	<0.1	233	<1	1.39	0.23	0.21	33.93	6.0	46	4.7	49.63	2.0	1.2	0.5	4.75	13.62
142	NS071028																			
143	NS071029	163	4.97	8.0	<0.1	339	1	0.27	0.08	0.12	58.46	4.2	47	3.0	8.16	1.9	1.4	0.7	3.08	15.05
144	NS071030	298	6.38	3.5	<0.1	336	2	0.25	0.56	0.36	116.19	15.1	35	8.7	12.66	3.2	1.7	0.7	3.39	14.85
145	NS071031	244	4.80	5.6	<0.1	226	1	0.18	0.09	0.12	49.49	4.3	35	4.0	9.15	2.2	1.2	0.5	2.04	13.21
146	NS071032	284	6.46	27.0	<0.1	336	1	0.22	0.15	0.12	60.12	3.0	38	3.6	11.82	2.1	0.9	0.8	3.65	14.57
147	NS071033																			
148	NS071034	558	7.17	6.7	<0.1	357	2	0.33	0.30	0.34	52.94	14.2	67	6.7	21.68	3.0	1.6	0.8	3.32	19.00
149	NS071036	303	7.75	13.3	<0.1	389	2	0.30	0.09	0.14	66.42	8.4	74	4.2	14.31	2.4	1.3	1.0	4.09	21.78
150	NS071037	111	5.75	7.7	<0.1	408	<1	0.21	0.07	0.20	36.72	24.9	99	6.6	9.93	2.5	1.4	0.6	6.68	16.07
151	NS071038	219	3.34	4.0	<0.1	152	<1	0.08	0.21	0.15	30.19	4.7	25	2.1	10.87	1.6	0.9	0.4	1.54	7.40
152	NS071039	347	4.87	8.0	<0.1	255	<1	0.24	0.10	0.16	48.83	4.3	45	3.8	12.98	1.6	1.0	0.5	2.28	13.92
153	NS071040																			
154	NS071041																			
155	NS071042																			
156	NS071043	148	4.68	13.5	<0.1	379	1	0.34	0.25	0.09	31.70	2.9	37	3.1	9.03	1.2	0.6	0.4	2.32	14.30
157	NS071044																			
158	NS071045																			
159	NS071046																			
160	NS071047																			
161	NS071048	150	6.00	229.0	<0.1	598	1	0.28	0.64	0.15	29.41	7.5	88	2.2	24.51	2.1	1.3	0.5	3.98	14.08
162	NS071049																			
163	NS071050	224	3.63	7.0	<0.1	241	<1	0.17	0.22	0.37	51.11	5.0	50	4.6	12.03	1.6	1.0	0.6	2.14	12.18
164	NS071052																			
165	NS071053																			
166	NS071054	147	3.66	5.2	<0.1	294	<1	0.14	0.10	0.16	48.96	4.6	29	2.6	8.75	1.9	1.2	0.6	1.46	8.70
167	NS071055	100	4.18	5.9	<0.1	304	<1	0.14	0.30	0.16	23.09	1.8	9	2.3	4.78	1.0	0.4	0.4	0.98	11.60
168	NS071056	204	5.59	6.4	<0.1	247	<1	0.16	1.14	0.32	40.42	22.4	66	3.1	56.41	5.0	2.6	1.3	3.94	13.87
169	NS071057	201	3.76	5.7	<0.1	308	<1	0.16	0.07	0.15	53.30	5.0	26	2.7	8.98	1.6	1.2	0.6	1.47	8.42
170	PE071001	89	3.49	7.9	<0.1	228	<1	0.13	0.10	0.15	60.45	5.2	26	2.7	8.21	1.3	0.6	0.8	1.86	10.17
171	PE071002	149	1.52	2.7	<0.1	121	<1	0.09	0.29	0.20	24.85	1.7	12	1.1	10.55	0.7	0.4	0.3	0.55	3.14
172	PE071003	62	0.86	1.5	<0.1	100	<1	0.09	0.37	0.22	12.02	1.5	7	0.6	6.83	0.4	0.2	0.2	0.32	2.08

A-horizon
<2 mm fraction
4-acid dissolution

North American Soil Geochemistry 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		4acid	4acid	4acid	4acid	4acid	4acid	4acid	4acid	4acid	4acid	4acid	4acid	4acid	4acid	4acid	4acid	4acid	4acid	4acid
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
130	NS071015	2.8	2.77	0.5	1.27	26.4	87.7	0.2	0.37	6026	0.93	0.623	8.49	21.3	13.6	0.110	49.24	5.9	101.7	0.07
131	NS071016	2.5	3.31	0.5	1.31	34.1	48.3	0.3	0.45	250	0.93	0.649	16.00	28.9	14.7	0.052	33.11	7.8	110.4	<0.04
132	NS071017																			
133	NS071019																			
134	NS071020																			
135	NS071021	3.2	2.17	0.3	1.45	21.8	47.5	0.1	0.22	536	0.43	0.662	8.92	24.3	8.3	0.064	19.94	5.8	64.5	<0.04
136	NS071022																			
137	NS071023	1.5	2.54	0.3	1.62	13.4	19.6	0.2	0.33	190	0.77	0.983	8.51	11.0	8.7	0.029	12.58	2.7	75.2	<0.04
138	NS071024																			
139	NS071025																			
140	NS071026																			
141	NS071027	2.2	2.86	0.4	1.22	14.6	43.9	0.2	0.50	629	0.63	0.424	8.67	15.0	13.5	0.057	55.61	3.6	50.6	<0.04
142	NS071028																			
143	NS071029	2.5	3.27	0.4	1.45	29.8	18.8	0.2	0.29	199	0.77	0.421	10.42	26.1	9.5	0.055	26.13	6.9	73.5	<0.04
144	NS071030	3.7	2.20	0.7	0.95	20.6	72.6	0.2	0.50	2755	5.04	0.716	6.82	19.5	12.4	0.090	33.09	5.1	62.8	0.06
145	NS071031	2.5	3.54	0.4	1.35	24.1	27.4	0.2	0.30	251	0.86	0.637	12.63	22.2	9.1	0.036	22.32	5.3	81.8	<0.04
146	NS071032	3.1	2.77	0.3	1.40	29.8	46.6	0.2	0.40	987	2.08	1.017	9.97	25.9	7.7	0.058	24.75	6.3	67.0	<0.04
147	NS071033																			
148	NS071034	2.9	2.82	0.6	1.65	27.8	63.8	0.3	0.76	1204	1.36	0.500	10.68	25.7	24.9	0.062	32.71	6.6	111.8	0.05
149	NS071036	3.9	3.79	0.5	1.86	33.4	55.1	0.3	0.41	647	0.59	0.729	12.93	36.2	17.7	0.050	11.95	8.7	95.8	<0.04
150	NS071037	2.5	2.94	0.5	0.92	16.8	203.8	0.3	1.45	3148	0.76	1.006	8.57	17.1	43.6	0.173	19.72	4.4	52.3	0.05
151	NS071038	1.9	2.83	0.3	0.91	15.0	24.1	0.2	0.29	297	0.29	0.514	10.17	14.4	9.7	0.044	23.56	3.4	55.7	<0.04
152	NS071039	2.0	2.73	0.3	1.21	22.8	29.3	0.2	0.30	229	1.04	0.519	10.17	20.1	10.9	0.062	28.82	5.2	70.4	<0.04
153	NS071040																			
154	NS071041																			
155	NS071042																			
156	NS071043	1.7	1.76	0.2	1.64	14.5	41.7	<0.1	0.25	457	1.41	1.176	5.06	14.8	8.4	0.051	24.90	4.0	63.7	<0.04
157	NS071044																			
158	NS071045																			
159	NS071046																			
160	NS071047																			
161	NS071048	2.1	1.52	0.4	1.15	14.7	36.6	0.2	0.99	814	0.79	1.155	9.97	11.1	18.6	0.048	21.12	3.0	45.4	0.05
162	NS071049																			
163	NS071050	2.0	3.39	0.3	0.77	26.4	23.7	0.2	0.36	736	0.30	0.505	9.32	23.9	15.7	0.091	21.27	6.0	53.3	<0.04
164	NS071052																			
165	NS071053																			
166	NS071054	2.1	3.31	0.4	0.97	24.9	28.9	0.2	0.23	298	0.54	0.475	9.58	22.1	9.9	0.024	21.05	5.9	63.9	<0.04
167	NS071055	1.6	1.33	0.2	2.03	12.1	19.5	<0.1	0.12	232	0.28	0.858	5.41	11.6	3.1	0.055	30.21	2.9	71.6	<0.04
168	NS071056	5.6	2.49	1.0	1.08	21.2	47.0	0.4	1.12	1591	0.56	0.638	7.82	25.7	27.9	0.122	18.51	5.7	48.3	0.06
169	NS071057	2.1	3.36	0.4	0.95	27.1	29.1	0.2	0.23	296	1.58	0.486	9.19	23.0	9.5	0.024	18.21	6.1	63.6	<0.04
170	PE071001	2.5	2.16	0.3	1.09	31.1	27.5	0.1	0.26	723	0.35	0.333	7.77	27.4	9.3	0.072	11.42	7.5	40.2	<0.04
171	PE071002	1.2	1.22	0.1	0.63	13.3	7.0	<0.1	0.15	651	0.35	0.146	4.25	12.2	4.3	0.085	17.09	3.3	23.5	0.11
172	PE071003	0.7	0.50	<0.1	0.50	6.7	4.2	<0.1	0.13	1494	0.19	0.096	1.99	6.0	3.5	0.099	14.06	1.5	13.9	0.11

A-horizon
<2 mm fraction
4-acid dissolution

North American Soil Geochemistry 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		4acid	4acid	4acid	4acid	4acid	4acid	4acid	4acid	4acid	4acid	4acid	4acid	4acid	4acid	4acid	4acid	4acid
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
130	NS071015	0.56	6.7	3.5	2.2	67	0.5	0.4	9.2	0.305	0.2	3.1	62	0.9	12.1	1.5	75.3	96.2
131	NS071016	0.77	8.9	4.0	2.8	120	0.9	0.3	8.4	0.587	0.3	2.8	88	1.6	12.5	2.0	47.1	87.5
132	NS071017																	
133	NS071019																	
134	NS071020																	
135	NS071021	0.41	3.9	4.1	2.1	52	0.6	0.4	7.3	0.307	0.1	1.5	40	1.4	7.6	0.9	100.1	73.5
136	NS071022																	
137	NS071023	0.42	4.9	1.8	1.2	90	0.5	0.2	4.6	0.309	0.2	1.5	54	0.9	7.8	1.1	20.7	84.9
138	NS071024																	
139	NS071025																	
140	NS071026																	
141	NS071027	1.25	9.3	2.7	1.9	33	0.5	0.3	6.2	0.363	0.2	1.5	76	1.3	10.6	1.4	199.0	95.3
142	NS071028																	
143	NS071029	0.65	7.5	3.8	2.3	50	0.5	0.3	8.5	0.379	0.2	2.2	80	0.8	11.5	1.4	23.0	118.1
144	NS071030	0.58	7.3	3.9	1.4	103	0.4	0.5	9.3	0.335	0.3	3.9	88	1.0	15.1	1.9	150.3	80.8
145	NS071031	0.52	6.6	3.4	1.9	76	0.7	0.3	6.2	0.427	0.2	2.0	61	1.2	10.7	1.6	26.9	116.4
146	NS071032	0.57	7.6	4.3	1.5	106	0.6	0.4	7.9	0.336	0.1	1.9	59	1.1	8.3	1.1	38.5	93.2
147	NS071033																	
148	NS071034	0.67	10.6	3.6	2.6	111	0.6	0.4	7.7	0.366	0.3	3.1	86	1.3	13.7	1.9	115.6	78.9
149	NS071036	0.84	11.8	5.6	2.6	88	0.8	0.4	9.7	0.377	0.2	2.4	96	1.3	11.0	1.8	143.4	127.9
150	NS071037	0.64	13.6	3.0	1.9	47	0.5	0.5	4.8	0.539	0.2	1.7	149	0.6	12.8	1.7	220.7	110.9
151	NS071038	0.39	4.0	2.3	1.2	38	0.5	0.3	4.4	0.359	0.2	1.3	44	0.7	8.8	1.2	52.9	100.8
152	NS071039	0.65	6.8	3.2	2.0	74	0.5	0.3	6.2	0.303	0.2	2.1	60	0.9	9.0	1.4	45.6	99.3
153	NS071040																	
154	NS071041																	
155	NS071042																	
156	NS071043	0.38	3.8	2.8	1.9	72	0.3	0.2	5.5	0.196	<0.1	1.6	51	1.1	4.9	0.7	38.3	54.6
157	NS071044																	
158	NS071045																	
159	NS071046																	
160	NS071047																	
161	NS071048	0.48	11.0	1.9	2.4	107	0.6	0.3	5.3	0.604	0.2	1.3	95	1.6	12.0	1.4	68.0	51.2
162	NS071049																	
163	NS071050	0.90	4.9	3.5	1.6	50	0.5	0.3	6.9	0.399	0.2	1.8	67	1.1	8.5	1.2	129.6	120.8
164	NS071052																	
165	NS071053																	
166	NS071054	0.41	4.3	3.9	1.5	60	0.6	0.3	6.4	0.361	0.2	1.8	43	0.7	10.5	1.2	32.0	116.2
167	NS071055	0.25	2.0	2.1	2.4	51	0.4	0.2	5.5	0.214	<0.1	1.3	25	0.8	4.7	0.5	27.6	45.2
168	NS071056	0.34	15.4	5.1	1.5	94	0.4	0.7	4.6	0.401	0.4	1.7	179	0.7	26.6	2.6	99.9	88.6
169	NS071057	0.41	4.3	3.5	1.3	61	0.5	0.3	6.9	0.350	0.2	1.9	43	0.8	10.9	1.3	27.9	108.7
170	PE071001	0.50	3.5	4.0	1.3	56	0.5	0.3	5.7	0.369	0.1	1.6	41	0.7	6.6	0.9	33.5	71.8
171	PE071002	0.42	1.6	1.9	0.8	47	0.2	0.1	2.2	0.204	<0.1	0.6	16	0.4	3.6	0.5	55.3	31.4
172	PE071003	0.30	0.7	0.9	0.5	47	0.1	<0.1	1.2	0.105	<0.1	0.3	9	0.2	2.2	0.2	58.2	18.1

A-horizon
<2 mm fraction
4-acid dissolution

North American Soil Geochemistry 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		4acid	4acid	4acid	4acid	4acid	4acid	4acid	4acid	4acid	4acid	4acid	4acid	4acid	4acid	4acid	4acid	4acid	4acid	4acid
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
173	PE071004	114	1.30	2.8	<0.1	105	<1	0.15	0.26	0.12	26.72	1.5	12	1.0	8.45	0.6	0.3	0.3	0.58	3.74
174	PE071005	107	1.57	4.2	<0.1	154	<1	0.13	0.08	0.15	48.28	1.4	15	1.5	5.99	1.0	0.4	0.6	0.59	4.73
175	PE071006	143	2.31	3.9	<0.1	166	<1	0.14	0.26	0.39	24.35	3.2	19	1.7	9.02	0.9	0.5	0.3	0.79	6.91
176	PE071007	122	3.99	5.4	<0.1	347	1	0.11	0.16	0.19	46.99	7.7	26	2.9	10.07	1.5	0.9	0.4	2.00	10.79
177	PE071008	138	4.45	5.1	<0.1	282	<1	0.11	0.09	0.14	35.50	6.8	22	2.4	8.30	1.3	0.7	0.5	1.74	9.83
178	PE071009	140	2.47	5.6	<0.1	205	<1	0.19	0.27	0.31	27.79	3.5	21	2.5	10.53	1.2	0.6	0.3	0.89	7.98

A-horizon
<2 mm fraction
4-acid dissolution

North American Soil Geochemistry 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		4acid	4acid	4acid	4acid	4acid	4acid	4acid	4acid	4acid	4acid	4acid	4acid	4acid	4acid	4acid	4acid	4acid	4acid	4acid
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
173	PE071004	1.1	0.87	0.1	0.77	12.4	7.4	<0.1	0.11	636	0.41	0.113	3.18	12.1	4.2	0.107	22.43	2.9	23.0	0.12
174	PE071005	2.1	1.46	0.2	0.89	22.6	8.4	<0.1	0.08	291	0.36	0.154	5.30	20.8	3.2	0.058	20.51	5.3	29.4	0.06
175	PE071006	1.1	1.48	0.2	0.98	13.0	10.8	<0.1	0.24	316	0.39	0.553	6.40	11.6	6.4	0.100	31.77	2.7	33.8	0.09
176	PE071007	2.1	2.53	0.3	2.05	18.6	30.7	0.2	0.38	886	0.28	0.792	8.78	16.3	13.2	0.091	16.31	4.0	80.4	<0.04
177	PE071008	1.6	2.25	0.2	1.83	19.8	26.4	0.2	0.39	861	0.19	0.791	8.35	14.7	12.8	0.057	15.13	4.0	74.2	<0.04
178	PE071009	1.4	1.85	0.2	0.94	13.5	14.6	0.1	0.24	267	0.68	0.434	7.03	11.8	8.4	0.082	43.11	2.9	50.8	0.10

A-horizon
<2 mm fraction
4-acid dissolution

North American Soil Geochemistry 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		4acid	4acid	4acid	4acid	4acid	4acid	4acid	4acid	4acid	4acid	4acid	4acid	4acid	4acid	4acid	4acid	4acid
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
173	PE071004	0.70	1.8	1.5	1.2	32	0.2	0.1	2.2	0.138	<0.1	0.5	16	0.4	3.0	0.4	22.6	33.5
174	PE071005	0.53	2.0	3.2	1.2	35	0.3	0.2	3.3	0.240	<0.1	0.7	18	0.5	4.0	0.5	16.9	44.2
175	PE071006	0.52	3.1	1.7	1.5	40	0.3	0.2	2.7	0.234	<0.1	0.9	24	0.6	5.0	0.6	52.7	54.8
176	PE071007	0.42	4.4	2.7	1.5	51	0.5	0.3	5.5	0.318	0.1	1.8	44	0.6	7.8	1.1	43.9	79.4
177	PE071008	0.40	3.8	2.4	1.2	54	0.4	0.2	6.1	0.338	0.1	1.6	39	0.6	7.4	1.0	36.5	79.4
178	PE071009	0.87	3.5	1.8	1.8	45	0.4	0.2	3.2	0.242	0.1	1.1	29	0.7	5.8	0.9	74.3	63.3