

PH Layer
<2 mm fraction
4-acid dissolution

North American Soil Geochemistry 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	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
Number of Samples	177	177	177	177	177	177	177	177	177	177	177	177	177	177	177	177	177	177	177
Values < Det. Lim.	1	0	0	177	0	140	0	0	0	0	0	0	0	0	0	5	16	0	0
Arithmetic Mean	289	2.95	4.9	<0.1	206	1	0.20	0.28	0.38	30.95	4.1	31	2.2	10.07	1.3	0.7	0.4	1.40	8.82
Median	244	2.75	3.7	<0.1	193	1	0.18	0.24	0.31	29.39	2.4	25	1.7	8.84	1.2	0.7	0.4	1.04	9.13
Variance	36974	2.87	14.9	0.0	9274	0	0.01	0.05	0.08	298.01	19.5	760	3.1	32.39	0.5	0.1	0.1	1.28	22.70
Standard Deviation	192	1.69	3.9	0.0	96	0	0.11	0.23	0.29	17.26	4.4	28	1.8	5.69	0.7	0.4	0.2	1.13	4.76
Skewness	3	0.56	1.9	-	1	3	4.05	2.33	2.85	0.84	2.3	3	2.2	4.81	1.5	1.3	0.9	1.30	0.31
Kurtosis	13	-0.07	4.4	-	5	8	27.16	8.53	12.31	1.96	5.6	19	8.3	39.73	6.7	6.9	1.8	1.79	-0.28
Minimum Value	<20	0.26	0.5	<0.1	30	<1	0.07	0.03	0.07	2.40	0.4	3	0.2	3.42	0.1	<0.1	<0.1	0.11	0.86
5th Percentile	100	0.47	1.0	<0.1	76	<1	0.10	0.06	0.11	4.13	0.7	5	0.3	4.79	0.2	0.1	<0.1	0.24	1.48
10th Percentile	125	0.76	1.4	<0.1	96	<1	0.11	0.08	0.14	8.83	0.9	7	0.5	5.19	0.4	0.2	0.1	0.27	2.20
15th Percentile	147	1.15	1.6	<0.1	119	<1	0.12	0.08	0.15	11.38	1.0	9	0.6	5.82	0.6	0.4	0.2	0.33	3.42
25th Percentile	177	1.72	2.2	<0.1	146	<1	0.14	0.11	0.19	20.76	1.3	13	1.0	6.86	0.9	0.5	0.3	0.56	5.08
35th Percentile	213	2.11	2.9	<0.1	163	<1	0.16	0.15	0.23	24.72	1.6	18	1.3	7.76	1.1	0.6	0.3	0.73	6.74
50th Percentile	244	2.75	3.7	<0.1	193	<1	0.18	0.24	0.31	29.39	2.4	25	1.7	8.84	1.2	0.7	0.4	1.04	9.13
65th Percentile	295	3.59	5.0	<0.1	222	<1	0.21	0.30	0.37	35.60	3.7	31	2.4	10.56	1.4	0.8	0.5	1.59	10.58
70th Percentile	313	3.71	5.5	<0.1	233	<1	0.22	0.34	0.40	37.84	4.4	34	2.7	11.45	1.5	0.9	0.5	1.81	11.12
75th Percentile	352	4.05	6.2	<0.1	245	<1	0.24	0.38	0.46	40.58	5.1	41	2.9	11.88	1.6	0.9	0.6	1.99	11.84
80th Percentile	382	4.19	6.8	<0.1	260	1	0.26	0.40	0.53	43.76	6.4	47	3.2	12.93	1.7	1.0	0.6	2.32	12.44
90th Percentile	464	5.23	9.7	<0.1	325	1	0.30	0.51	0.68	52.53	8.7	56	4.2	14.86	1.9	1.2	0.7	3.07	14.74
95th Percentile	575	5.99	12.9	<0.1	381	2	0.34	0.62	0.81	59.32	14.0	78	6.0	17.56	2.2	1.2	0.8	3.61	18.07
98th Percentile	832	6.86	14.7	<0.1	412	2	0.38	0.91	1.16	73.35	19.2	94	6.5	21.95	2.7	1.4	1.0	4.11	18.78
99th Percentile	1141	7.64	17.7	<0.1	497	2	0.54	1.18	1.41	78.15	22.0	106	8.2	24.91	3.3	1.6	1.1	4.46	19.41
Maximum Value	1527	7.72	22.7	<0.1	723	3	1.06	1.59	2.11	109.47	22.7	241	12.8	62.22	5.2	3.0	1.4	6.45	23.49

PH Layer
<2 mm fraction
4-acid dissolution

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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
Number of Samples	177	177	177	177	177	177	177	177	177	177	177	177	177	177	177	177	177	177	177
Values < Det. Lim.	0	0	20	0	0	0	49	0	0	0	0	0	0	0	0	0	0	0	72
Arithmetic Mean	1.6	1.98	0.2	0.87	15.9	17.2	0.1	0.25	562	0.71	0.469	7.33	13.8	9.8	0.072	33.69	3.6	43.8	0.06
Median	1.6	2.02	0.2	0.83	15.1	10.8	0.1	0.17	336	0.52	0.411	7.28	13.2	6.5	0.067	29.15	3.4	40.5	0.05
Variance	0.8	0.85	0.0	0.23	64.7	403.2	0.0	0.06	769377	0.65	0.079	13.88	54.7	84.9	0.001	308.16	3.8	650.8	0.00
Standard Deviation	0.9	0.92	0.1	0.48	8.0	20.1	0.1	0.25	877	0.80	0.281	3.73	7.4	9.2	0.035	17.55	1.9	25.5	0.04
Skewness	1.1	-0.15	1.2	0.60	0.3	4.4	0.8	2.93	5	7.03	0.445	1.06	0.5	2.3	0.889	1.71	0.5	0.6	0.94
Kurtosis	3.9	-0.25	4.9	0.30	0.1	32.5	0.2	11.49	23	65.35	-0.689	6.11	0.3	6.2	0.596	5.12	0.4	0.0	0.10
Minimum Value	0.2	0.11	<0.1	0.13	1.3	0.9	<0.1	0.04	25	0.17	0.045	0.47	1.0	1.5	0.015	7.21	0.3	4.0	<0.04
5th Percentile	0.3	0.27	<0.1	0.19	2.4	1.8	<0.1	0.06	76	0.27	0.070	1.11	2.0	2.8	0.026	13.66	0.5	7.9	<0.04
10th Percentile	0.5	0.50	<0.1	0.24	4.9	2.5	<0.1	0.07	99	0.30	0.131	1.87	4.2	3.1	0.033	16.22	1.1	12.0	<0.04
15th Percentile	0.8	1.02	0.1	0.32	6.5	3.4	<0.1	0.08	127	0.32	0.156	3.27	5.5	3.3	0.038	18.34	1.4	14.9	<0.04
25th Percentile	1.1	1.46	0.2	0.53	11.2	5.3	<0.1	0.10	171	0.39	0.242	5.53	9.2	4.2	0.044	21.91	2.4	24.8	<0.04
35th Percentile	1.3	1.75	0.2	0.67	13.1	7.1	0.1	0.13	217	0.43	0.304	6.46	10.9	4.8	0.052	24.41	3.0	32.6	<0.04
50th Percentile	1.6	2.02	0.2	0.83	15.1	10.8	0.1	0.17	336	0.52	0.411	7.28	13.2	6.5	0.067	29.15	3.4	40.5	0.05
65th Percentile	1.9	2.33	0.3	1.00	18.5	18.1	0.2	0.25	483	0.64	0.580	8.38	15.9	8.9	0.080	37.83	4.3	51.3	0.07
70th Percentile	2.0	2.50	0.3	1.07	19.7	19.8	0.2	0.27	532	0.73	0.652	8.93	17.4	10.0	0.082	39.81	4.5	53.8	0.08
75th Percentile	2.1	2.57	0.3	1.14	21.8	22.5	0.2	0.32	608	0.76	0.708	9.20	18.5	12.3	0.088	42.45	4.9	60.9	0.08
80th Percentile	2.2	2.67	0.3	1.26	22.9	26.9	0.2	0.36	669	0.86	0.739	10.09	19.5	14.1	0.098	45.70	5.3	66.2	0.09
90th Percentile	2.6	3.16	0.4	1.50	25.2	36.4	0.2	0.46	941	1.19	0.848	11.38	23.2	19.8	0.121	53.18	5.9	76.7	0.11
95th Percentile	2.7	3.45	0.4	1.78	29.1	46.2	0.2	0.64	1465	1.53	0.948	12.89	26.1	28.1	0.140	62.99	6.9	91.4	0.15
98th Percentile	3.6	3.79	0.5	1.86	33.0	66.3	0.3	1.08	3991	2.23	1.071	14.16	32.8	41.5	0.158	79.40	8.5	103.8	0.16
99th Percentile	4.2	3.97	0.6	2.04	38.3	72.5	0.3	1.24	4597	3.01	1.166	14.87	34.2	44.8	0.170	89.52	9.4	109.0	0.16
Maximum Value	6.0	4.34	1.0	2.56	39.9	192.0	0.4	1.74	6681	8.96	1.179	29.51	36.5	54.1	0.198	126.84	9.6	122.7	0.19

PH Layer
<2 mm fraction
4-acid dissolution

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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
Number of Samples	177	177	177	177	177	177	177	177	177	177	177	177	177	177	177	177	177
Values < Det. Lim.	0	0	0	0	0	20	0	0	0	67	0	0	1	0	2	0	0
Arithmetic Mean	0.63	4.2	2.2	1.9	50	0.4	0.3	4.4	0.274	0.1	1.3	43	0.8	6.9	0.9	51.4	70.3
Median	0.56	3.6	2.1	1.7	45	0.4	0.2	4.5	0.271	0.1	1.3	40	0.6	6.9	0.9	43.7	72.9
Variance	0.11	7.9	1.4	2.1	762	0.1	0.0	4.7	0.019	0.0	0.4	810	1.8	12.9	0.2	1179.7	1087.7
Standard Deviation	0.33	2.8	1.2	1.4	28	0.2	0.1	2.2	0.138	0.1	0.6	28	1.3	3.6	0.4	34.3	33.0
Skewness	2.26	1.2	0.6	8.9	2	1.4	0.9	0.1	0.266	1.1	0.2	1	12.0	1.6	0.6	1.8	-0.1
Kurtosis	8.08	2.1	0.7	100.2	7	6.4	0.4	-0.1	0.489	0.9	0.1	4	154.1	8.6	1.6	4.4	-0.3
Minimum Value	0.23	0.1	0.2	0.4	11	<0.1	0.1	0.3	0.011	<0.1	0.1	6	<0.1	0.6	<0.1	9.9	3.5
5th Percentile	0.27	0.7	0.4	1.0	21	<0.1	0.1	0.7	0.037	<0.1	0.2	9	0.2	1.4	0.2	15.8	9.8
10th Percentile	0.33	1.0	0.7	1.1	25	<0.1	0.2	1.2	0.069	<0.1	0.4	11	0.3	2.3	0.3	17.4	17.9
15th Percentile	0.36	1.6	0.9	1.2	26	0.2	0.2	1.7	0.118	<0.1	0.6	13	0.3	3.6	0.4	22.0	33.3
25th Percentile	0.42	2.1	1.5	1.4	30	0.3	0.2	3.1	0.202	<0.1	0.9	20	0.5	4.8	0.6	26.6	53.2
35th Percentile	0.48	2.9	1.8	1.5	34	0.3	0.2	3.7	0.230	<0.1	1.1	28	0.6	5.7	0.7	33.2	60.0
50th Percentile	0.56	3.6	2.1	1.7	45	0.4	0.2	4.5	0.271	0.1	1.3	40	0.6	6.9	0.9	43.7	72.9
65th Percentile	0.67	4.9	2.6	2.0	53	0.5	0.3	5.1	0.319	0.1	1.5	49	0.8	7.8	1.0	53.4	83.3
70th Percentile	0.70	5.2	2.8	2.1	59	0.5	0.3	5.5	0.344	0.1	1.6	51	0.8	8.0	1.1	60.3	87.2
75th Percentile	0.74	5.5	2.8	2.2	61	0.5	0.3	5.9	0.367	0.2	1.7	59	0.9	8.5	1.1	67.4	90.4
80th Percentile	0.81	6.2	3.0	2.3	65	0.5	0.4	6.1	0.387	0.2	1.8	62	1.0	9.3	1.2	72.7	95.3
90th Percentile	0.97	8.0	3.8	2.6	86	0.6	0.5	6.9	0.438	0.2	2.0	76	1.1	10.9	1.4	93.6	113.2
95th Percentile	1.17	9.1	4.2	3.0	98	0.7	0.5	7.9	0.495	0.2	2.3	85	1.4	12.0	1.6	125.6	123.1
98th Percentile	1.51	10.9	4.8	3.5	122	0.8	0.5	8.8	0.555	0.2	2.6	118	1.5	13.6	1.8	147.2	133.2
99th Percentile	2.00	12.5	5.6	4.6	133	1.2	0.5	9.4	0.612	0.3	2.9	149	1.5	15.6	1.8	166.7	144.1
Maximum Value	2.32	16.2	6.4	18.4	213	1.7	0.8	10.8	0.793	0.4	3.2	177	17.7	29.4	2.9	223.0	155.9

PH layer
<2 mm fraction
4-acid dissolution

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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
1	NB071001	148	0.72	1.5	<0.1	78	<1	0.08	0.28	0.34	5.85	1.6	13	0.4	6.71	0.3	0.2	<0.1	0.33	1.49
2	NB071002	246	4.01	5.2	<0.1	224	<1	0.19	0.40	0.30	37.55	5.0	34	3.0	14.11	2.4	1.1	0.6	1.52	10.57
3	NB071003	295	2.44	3.5	<0.1	107	<1	0.11	0.17	0.20	23.84	1.4	29	1.1	9.44	1.8	1.2	0.4	1.07	9.13
4	NB071004	386	3.69	2.8	<0.1	296	2	0.30	0.44	0.22	26.41	3.3	18	3.4	5.01	1.5	0.8	0.4	0.75	10.82
5	NB071005	297	3.58	6.2	<0.1	223	<1	0.26	0.44	0.39	29.96	2.6	29	2.8	6.99	1.1	0.6	0.4	1.13	10.60
6	NB071007	460	2.91	5.7	<0.1	348	1	0.24	0.40	0.74	37.41	3.6	28	4.4	16.33	1.0	0.6	0.4	1.26	9.29
7	NB071009	273	2.36	5.2	<0.1	123	<1	0.20	0.09	0.23	42.15	1.6	27	1.5	11.41	1.6	0.9	0.6	1.44	8.57
8	NB071010	334	3.87	8.9	<0.1	200	<1	0.22	0.21	0.33	41.66	3.5	55	3.4	10.46	1.6	0.9	0.6	1.88	15.70
9	NB071011	324	0.55	1.8	<0.1	66	<1	0.21	0.37	0.68	5.00	0.7	6	0.3	9.12	0.2	0.2	<0.1	0.24	1.44
10	NB071012	266	2.61	4.3	<0.1	165	<1	0.16	0.28	0.27	29.68	1.3	24	1.5	5.30	0.7	0.4	0.4	0.80	7.99
11	NB071013	137	1.01	1.0	<0.1	84	<1	0.09	0.07	0.20	22.07	0.7	11	0.7	4.94	0.9	0.5	0.3	0.25	3.61
12	NB071014	89	1.08	1.6	<0.1	111	<1	0.12	0.25	0.41	20.24	0.9	9	0.7	6.63	0.7	0.4	0.2	0.38	3.37
13	NB071015	246	2.51	3.2	<0.1	148	<1	0.14	0.24	0.22	29.94	1.1	20	1.0	4.90	1.0	0.7	0.4	0.63	11.10
14	NB071016	311	2.87	3.0	<0.1	251	<1	0.16	0.31	0.20	53.55	1.8	26	1.7	6.71	1.3	0.6	0.7	0.91	12.36
15	NB071017	394	4.77	12.5	<0.1	202	<1	0.22	0.29	0.30	55.67	6.0	55	2.5	13.53	1.8	1.3	0.8	2.78	14.00
16	NB071018	445	5.38	5.9	<0.1	723	3	0.35	0.36	0.80	80.97	20.0	51	4.3	21.13	3.9	1.6	1.2	3.31	14.53
17	NB071019	249	4.84	6.8	<0.1	236	<1	0.28	0.15	0.24	44.76	7.8	52	3.5	24.26	2.2	1.3	0.7	3.77	13.62
18	NB071020	213	2.63	4.4	<0.1	193	<1	0.15	0.21	0.64	34.09	2.9	22	1.4	8.51	1.7	0.9	0.5	1.04	9.36
19	NB071021	181	3.37	7.5	<0.1	142	1	0.21	0.19	0.18	32.74	4.7	26	3.2	11.05	1.4	0.9	0.3	1.94	9.70
20	NB071022	495	1.00	4.0	<0.1	68	<1	0.24	0.48	0.54	8.07	1.5	10	0.4	8.93	0.4	0.4	0.2	0.68	4.09
21	NB071023	278	4.24	11.5	<0.1	216	1	0.33	0.39	0.34	39.22	5.1	38	2.9	9.82	1.5	0.6	0.6	2.08	10.02
22	NB071024	473	3.67	11.1	<0.1	221	<1	0.23	0.22	0.23	44.24	3.5	37	2.4	8.44	1.5	0.7	0.5	1.88	11.83
23	NB071025	597	2.10	13.5	<0.1	153	<1	0.29	0.15	0.46	27.57	1.0	12	1.2	11.48	1.0	0.5	0.3	1.32	8.05
24	NB071027	226	6.34	9.8	<0.1	284	1	0.17	0.51	0.30	61.39	15.9	96	3.3	22.83	2.6	1.3	0.8	3.87	14.36
25	NB071028	260	4.85	6.8	<0.1	270	1	0.16	0.31	0.19	49.41	6.4	54	4.5	10.30	1.5	1.1	0.6	2.63	14.45
26	NB071029	280	4.75	9.0	<0.1	205	<1	0.14	0.44	0.37	43.67	9.4	80	3.3	17.52	1.4	0.8	0.5	3.11	12.47
27	NB071030	384	3.37	4.3	<0.1	217	1	0.26	0.31	0.57	37.77	9.6	52	2.6	12.48	2.1	1.1	0.7	1.47	9.82
28	NB071031	362	2.10	10.2	<0.1	134	<1	0.20	0.30	0.28	31.33	1.9	28	1.5	8.78	0.9	0.5	0.4	0.75	8.68
29	NB071032	611	3.20	3.3	<0.1	217	1	0.24	0.40	0.21	30.29	1.7	16	1.3	6.56	0.9	0.4	0.3	0.77	8.92
30	NB071033	128	1.83	3.3	<0.1	153	<1	0.13	0.14	0.49	21.68	3.7	13	0.7	12.44	1.2	0.6	0.4	0.61	4.85
31	NB071034	97	1.31	1.7	<0.1	173	<1	0.10	0.08	0.19	24.96	1.0	9	0.9	5.19	1.2	0.6	0.3	0.50	4.51
32	NB071035	168	2.06	5.2	<0.1	146	<1	0.11	0.09	0.23	24.21	1.4	16	1.2	6.79	1.3	0.7	0.4	0.82	6.14
33	NB071036	179	3.12	5.7	<0.1	175	<1	0.15	0.24	0.19	27.16	4.2	25	2.7	9.89	1.3	0.7	0.4	1.28	8.11
34	NB071037	174	0.44	2.8	<0.1	137	<1	0.13	0.76	0.59	5.15	0.6	5	0.3	4.65	0.3	0.2	<0.1	0.23	1.63

PH layer
<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		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	0.3	0.37	<0.1	0.21	3.3	3.1	<0.1	0.28	81	0.40	0.145	2.26	2.6	12.7	0.037	7.21	0.7	10.3	0.06
2	NB071002	2.0	2.72	0.4	0.97	21.4	20.6	0.2	0.35	307	0.56	0.640	10.80	17.2	12.7	0.072	26.40	4.9	71.3	<0.04
3	NB071003	1.7	3.89	0.4	0.51	13.5	9.4	0.3	0.13	128	0.37	0.210	14.95	10.7	4.3	0.029	13.94	2.9	25.6	<0.04
4	NB071004	1.7	2.14	0.3	1.77	14.0	12.0	0.1	0.15	200	0.58	1.179	9.20	12.6	5.6	0.089	34.02	3.5	66.5	0.06
5	NB071005	1.6	2.02	0.2	1.18	17.2	11.4	0.1	0.22	171	0.73	0.584	7.52	13.2	8.0	0.069	40.06	3.7	59.4	0.06
6	NB071007	1.8	1.85	0.2	1.29	20.3	13.5	0.1	0.15	114	0.76	0.300	5.53	18.0	11.2	0.084	52.65	4.8	53.6	0.11
7	NB071009	1.9	3.00	0.3	0.54	23.3	10.7	0.2	0.12	130	0.50	0.215	10.90	19.2	4.8	0.039	28.00	5.3	28.6	<0.04
8	NB071010	2.0	2.69	0.3	1.10	19.6	15.8	0.2	0.24	320	1.18	0.414	9.65	19.4	10.2	0.080	27.71	4.5	51.9	0.06
9	NB071011	0.3	0.31	<0.1	0.13	2.8	1.9	<0.1	0.05	48	1.93	0.064	1.28	2.2	4.1	0.057	75.76	0.7	9.5	0.11
10	NB071012	1.3	1.48	0.1	0.85	16.1	11.0	<0.1	0.15	118	0.43	0.741	5.41	13.0	5.6	0.037	29.15	3.4	36.4	0.05
11	NB071013	1.1	1.90	0.2	0.46	12.3	4.5	0.1	0.06	495	0.31	0.168	7.18	10.6	2.9	0.042	22.62	2.7	20.9	<0.04
12	NB071014	0.9	1.35	0.1	0.41	10.7	4.3	<0.1	0.07	944	0.40	0.154	4.74	8.9	3.7	0.057	25.14	2.2	19.8	0.07
13	NB071015	1.6	1.99	0.2	0.88	15.3	7.2	0.1	0.14	106	0.45	0.797	6.69	12.3	3.8	0.040	16.52	3.5	32.9	<0.04
14	NB071016	2.7	2.31	0.2	1.01	28.9	8.0	0.1	0.16	481	2.21	0.708	9.69	25.0	5.6	0.062	29.95	6.7	42.0	<0.04
15	NB071017	2.6	2.80	0.3	0.81	28.7	21.2	0.2	0.42	359	0.58	0.649	10.24	23.7	15.4	0.088	28.28	6.6	53.3	0.05
16	NB071018	5.2	2.55	0.6	1.14	31.8	35.9	0.3	0.46	5751	0.73	0.219	10.41	33.9	25.5	0.117	57.89	8.8	90.5	0.07
17	NB071019	2.6	3.36	0.5	1.07	25.0	23.9	0.3	0.26	319	0.66	0.164	12.39	19.9	16.8	0.041	32.59	5.4	72.2	<0.04
18	NB071020	2.0	2.24	0.3	0.93	18.6	7.0	0.2	0.16	517	0.35	0.465	5.97	14.4	7.6	0.076	27.39	4.2	42.5	<0.04
19	NB071021	1.8	2.66	0.3	1.01	16.3	31.2	0.2	0.21	249	8.96	0.531	11.07	15.2	8.6	0.038	27.65	3.8	63.1	0.04
20	NB071022	0.6	1.02	0.1	0.18	4.5	2.3	<0.1	0.14	156	0.64	0.315	2.99	3.7	5.7	0.047	38.34	1.0	7.7	0.11
21	NB071023	2.2	1.86	0.2	1.07	19.5	30.0	0.1	0.41	393	0.87	1.006	6.38	17.6	17.4	0.074	42.74	4.5	50.2	0.06
22	NB071024	2.4	2.08	0.2	1.07	21.8	18.4	0.1	0.36	268	0.73	0.984	7.01	18.5	14.1	0.080	30.98	5.2	69.1	0.05
23	NB071025	1.2	2.68	0.2	0.83	14.2	6.5	0.1	0.05	144	0.74	0.475	9.07	11.6	3.7	0.055	30.95	3.4	33.7	0.05
24	NB071027	3.2	2.91	0.5	1.23	28.3	44.9	0.2	0.99	613	0.46	0.926	8.69	24.0	54.1	0.062	24.37	6.8	70.6	<0.04
25	NB071028	2.1	3.20	0.3	1.14	23.7	29.6	0.2	0.46	672	0.40	0.708	9.53	22.7	18.5	0.098	22.06	5.5	74.9	<0.04
26	NB071029	1.9	2.42	0.3	1.07	22.3	32.6	0.2	0.63	608	0.82	0.726	7.93	16.9	31.2	0.113	18.85	4.5	70.3	0.04
27	NB071030	2.8	1.80	0.4	0.96	20.4	21.1	0.2	0.38	973	0.72	0.558	6.48	18.4	17.9	0.161	48.26	4.8	71.3	0.12
28	NB071031	1.4	1.93	0.2	0.52	15.3	19.7	0.1	0.17	243	0.51	0.327	6.56	14.1	7.0	0.076	32.66	3.5	23.5	0.08
29	NB071032	1.3	1.36	0.1	0.96	14.8	9.3	<0.1	0.13	199	0.61	0.772	6.61	13.8	5.5	0.067	46.13	3.4	35.6	0.05
30	NB071033	1.3	1.04	0.3	0.26	11.5	6.6	<0.1	0.09	48	2.53	0.127	4.50	10.0	6.1	0.056	37.50	2.6	15.1	0.07
31	NB071034	1.6	1.96	0.2	0.54	12.5	6.6	0.1	0.06	71	0.33	0.290	6.44	11.6	3.7	0.027	22.23	2.8	22.7	<0.04
32	NB071035	1.5	1.82	0.3	0.66	13.7	9.5	0.1	0.10	87	1.09	0.402	6.62	10.5	3.8	0.047	26.05	2.8	35.4	<0.04
33	NB071036	1.5	1.97	0.3	0.92	14.6	16.5	0.1	0.27	157	0.56	0.465	7.81	13.7	10.2	0.067	37.68	3.3	47.6	0.06
34	NB071037	0.3	0.27	<0.1	0.13	2.7	1.4	<0.1	0.09	25	0.57	0.060	0.98	2.5	2.8	0.074	44.00	0.6	5.5	0.16

PH layer
<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		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	0.24	0.7	0.4	0.4	47	0.1	<0.1	1.0	0.055	<0.1	0.4	7	0.2	1.7	0.2	36.6	12.6
2	NB071002	0.74	5.3	2.5	2.0	56	0.6	0.3	5.9	0.412	0.2	1.8	51	1.0	9.6	1.2	44.1	95.2
3	NB071003	0.45	3.5	1.9	2.1	31	0.8	0.2	5.5	0.446	0.2	1.9	47	0.8	11.4	1.6	9.9	145.3
4	NB071004	0.74	3.0	2.4	2.6	86	0.8	0.3	4.6	0.230	0.1	1.4	30	0.6	7.4	0.8	24.7	75.8
5	NB071005	0.84	4.0	2.0	2.6	61	0.5	0.2	5.6	0.289	<0.1	1.7	41	1.0	5.9	0.6	40.0	71.2
6	NB071007	2.30	5.6	3.0	2.6	76	0.3	0.2	4.9	0.189	<0.1	1.1	51	0.5	5.4	0.8	66.7	65.2
7	NB071009	1.10	3.8	2.9	2.3	29	0.6	0.3	5.6	0.395	0.2	1.8	49	0.8	8.8	1.2	17.8	103.0
8	NB071010	1.54	7.9	2.9	2.5	37	0.5	0.3	5.8	0.455	0.1	1.8	79	0.9	7.9	1.2	36.6	93.0
9	NB071011	0.90	0.6	0.4	1.8	28	<0.1	<0.1	0.8	0.048	<0.1	0.3	12	0.3	1.5	0.2	67.4	11.2
10	NB071012	0.56	3.0	2.1	1.4	50	0.3	0.2	4.6	0.219	<0.1	1.0	29	0.6	4.2	0.5	29.3	53.2
11	NB071013	0.41	1.6	1.5	1.4	20	0.4	0.2	2.6	0.211	<0.1	0.8	13	0.6	5.4	0.7	17.6	68.6
12	NB071014	0.55	1.4	1.4	1.3	25	0.2	0.1	2.2	0.143	<0.1	0.6	14	0.4	4.2	0.6	47.9	48.4
13	NB071015	0.42	3.0	2.1	1.4	43	0.4	0.2	4.0	0.247	0.1	1.1	41	0.6	5.1	0.7	16.9	79.2
14	NB071016	0.57	3.7	4.0	2.3	54	0.5	0.4	9.1	0.447	<0.1	1.6	51	1.1	7.0	0.8	17.7	83.5
15	NB071017	0.76	7.2	3.4	2.2	48	0.5	0.3	7.0	0.433	0.2	1.7	75	1.1	8.6	1.1	69.9	99.9
16	NB071018	0.96	9.4	6.4	2.8	145	0.5	0.6	6.6	0.348	0.3	2.4	75	0.8	20.5	2.0	73.9	94.4
17	NB071019	0.96	7.1	3.6	2.6	41	0.6	0.4	7.1	0.421	0.3	2.1	84	0.9	12.9	1.8	41.6	116.3
18	NB071020	0.56	4.3	2.4	1.9	31	0.4	0.3	4.7	0.201	0.2	1.3	45	0.5	7.9	1.1	42.2	79.7
19	NB071021	0.67	4.2	2.5	2.0	36	0.7	0.3	6.5	0.270	0.1	2.3	47	1.2	7.9	1.1	35.0	87.0
20	NB071022	0.84	1.8	0.7	1.5	44	0.2	<0.1	1.6	0.145	<0.1	0.5	31	0.4	3.5	0.4	69.9	38.4
21	NB071023	0.88	5.1	2.8	2.7	58	0.4	0.2	6.3	0.281	0.1	1.3	48	1.1	6.6	0.9	51.6	64.3
22	NB071024	0.86	6.2	3.0	2.0	50	0.4	0.3	5.1	0.263	0.1	1.3	63	1.0	6.5	0.9	39.7	77.0
23	NB071025	0.60	1.9	1.9	2.2	42	0.6	0.1	4.9	0.230	<0.1	1.3	39	0.9	4.9	0.8	26.0	97.0
24	NB071027	0.68	8.9	4.0	1.8	89	0.4	0.5	8.0	0.384	0.2	2.0	83	0.6	13.8	1.6	80.2	104.4
25	NB071028	0.69	6.8	3.2	1.6	63	0.5	0.3	5.9	0.428	0.2	1.6	75	0.8	8.1	1.2	63.7	113.6
26	NB071029	0.62	6.8	2.8	1.5	65	0.4	0.2	6.3	0.404	0.1	1.6	78	0.7	7.9	1.1	74.4	89.7
27	NB071030	0.97	6.6	3.0	2.6	49	0.3	0.4	4.7	0.280	0.2	1.8	51	0.6	10.6	1.1	67.5	64.1
28	NB071031	1.05	3.4	2.0	2.3	29	0.3	0.2	4.0	0.263	<0.1	1.1	36	0.7	5.1	0.7	27.2	68.1
29	NB071032	0.63	2.6	2.0	2.2	60	0.3	0.2	4.0	0.203	<0.1	0.9	27	0.8	4.3	0.6	25.4	49.8
30	NB071033	0.44	2.5	1.7	1.4	24	0.2	0.2	2.7	0.148	0.1	1.2	18	0.3	6.8	0.7	20.8	39.1
31	NB071034	0.42	1.9	2.0	1.1	21	0.3	0.2	3.5	0.214	0.1	1.0	17	0.5	6.9	1.0	17.0	65.9
32	NB071035	0.50	2.3	1.9	1.6	28	0.4	0.2	3.9	0.227	0.1	1.1	27	0.5	7.5	0.9	21.2	68.8
33	NB071036	0.74	4.7	2.0	1.7	44	0.4	0.2	4.0	0.246	0.1	1.0	39	0.8	7.0	0.9	37.4	72.5
34	NB071037	0.70	0.8	0.4	1.3	31	<0.1	<0.1	0.5	0.029	<0.1	0.2	8	0.1	1.5	0.2	35.2	9.8

PH layer
<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		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
35	NB071038	261	3.53	8.2	<0.1	168	<1	0.14	0.15	0.30	40.09	6.6	42	3.0	12.02	1.8	1.1	0.6	1.93	10.01
36	NB071039	159	2.15	3.0	<0.1	141	<1	0.10	0.03	0.18	32.53	1.5	19	2.3	6.86	1.5	1.0	0.4	1.41	6.52
37	NB071040	255	2.96	1.0	<0.1	152	1	0.29	0.39	0.26	25.55	2.4	22	1.8	5.28	1.1	0.6	0.3	1.04	12.18
38	NB071041	139	0.46	2.4	<0.1	56	<1	0.16	0.34	0.37	5.36	0.9	6	0.5	7.42	0.3	0.1	<0.1	0.28	1.43
39	NB071042	177	0.52	2.3	<0.1	59	<1	0.22	0.56	0.73	3.43	1.0	6	0.3	7.90	0.3	0.2	<0.1	0.26	1.60
40	NB071043	177	4.08	5.1	<0.1	324	<1	0.18	0.42	0.20	28.01	5.5	28	2.4	11.88	1.6	0.9	0.4	2.20	11.93
41	NB071044	1187	3.61	3.3	<0.1	235	<1	0.31	0.82	0.36	20.76	3.0	24	2.2	11.76	1.6	0.9	0.5	1.61	9.88
42	NB071045	470	2.57	1.4	<0.1	229	<1	0.16	0.38	0.22	28.74	0.6	6	1.3	4.47	0.6	0.3	0.3	0.21	6.73
43	NB071046	214	3.95	6.6	<0.1	252	1	0.17	0.10	0.14	33.75	7.6	28	3.1	13.38	1.6	1.0	0.5	2.09	11.56
44	NB071047	299	2.81	4.0	<0.1	156	<1	0.15	0.07	0.16	31.62	1.8	24	1.5	8.86	1.4	0.8	0.4	1.11	8.48
45	NB071048	210	1.95	3.8	<0.1	120	<1	0.19	0.15	0.38	28.17	1.8	17	1.4	17.06	1.3	0.7	0.4	0.69	6.04
46	NB071049	185	1.80	2.3	<0.1	216	<1	0.10	0.06	0.48	27.97	1.6	11	1.3	7.68	1.3	0.8	0.3	0.49	4.70
47	NB071050	338	3.82	6.8	<0.1	233	<1	0.16	0.24	0.33	46.82	4.7	52	4.7	13.16	1.7	0.8	0.5	2.09	11.64
48	NB071051	397	3.38	4.0	<0.1	154	1	0.20	0.29	0.37	39.02	4.7	36	6.5	14.76	1.6	0.8	0.5	1.05	9.47
49	NB071052	265	4.08	3.6	<0.1	215	<1	0.13	0.28	0.28	43.78	4.6	50	2.0	8.54	1.4	0.8	0.6	1.61	9.85
50	NB071054	225	4.86	12.5	<0.1	245	1	0.35	0.28	0.17	51.88	6.6	53	6.0	17.79	2.2	1.2	0.7	2.56	12.64
51	NB071055	183	1.84	2.1	<0.1	90	<1	0.08	1.59	0.76	8.44	18.4	241	0.3	14.74	0.8	0.5	0.3	3.39	7.85
52	NB071056	175	1.49	2.2	<0.1	65	<1	0.17	0.61	0.35	9.41	6.7	76	0.8	14.07	0.6	0.3	0.2	1.50	5.29
53	NB072001	288	1.46	2.5	<0.1	161	<1	0.18	0.11	0.25	31.22	0.9	13	0.9	5.81	1.3	0.8	0.4	0.36	4.34
54	NB072002	530	3.28	3.7	<0.1	288	<1	0.28	0.36	0.39	29.39	1.7	13	1.2	8.14	1.4	0.8	0.4	0.68	10.73
55	NB072003	380	5.22	14.8	<0.1	211	<1	0.24	0.46	0.49	46.37	7.9	63	2.5	16.14	2.1	1.1	0.6	3.50	15.74
56	NB072004	278	2.98	5.5	<0.1	193	<1	0.28	0.47	0.48	34.31	3.7	29	1.2	10.17	2.1	1.1	0.5	1.60	12.12
57	NB072005	422	1.20	7.5	<0.1	92	<1	0.33	0.29	0.82	13.88	1.6	19	0.6	9.33	0.8	0.5	0.2	0.73	5.05
58	NB072006	429	4.29	22.7	<0.1	181	1	0.38	0.39	0.88	30.48	5.2	42	2.9	13.03	1.8	1.1	0.4	3.23	15.91
59	NB072007	170	4.05	3.8	<0.1	297	<1	0.16	1.14	0.63	31.32	9.8	71	2.2	13.26	1.4	0.8	0.4	2.32	9.78
60	NB072009	452	0.54	3.4	<0.1	98	<1	0.46	0.36	2.11	4.14	1.1	7	0.3	14.06	0.2	0.1	<0.1	0.33	1.49
61	NB072010	499	3.66	7.8	<0.1	239	<1	0.39	0.57	1.15	32.14	6.6	52	1.4	13.40	1.4	1.0	0.4	2.73	12.24
62	NB072011	372	1.31	2.0	<0.1	117	<1	0.24	0.25	0.53	14.69	1.1	14	0.7	7.19	1.3	0.8	0.2	0.67	4.96
63	NB072012	394	2.13	3.8	<0.1	161	1	0.17	0.18	0.38	16.46	1.1	8	1.5	6.39	1.4	1.1	0.3	0.56	11.18
64	NB072013	198	1.24	1.6	<0.1	216	<1	0.20	0.10	0.71	10.51	1.0	5	0.5	8.72	0.5	0.2	0.3	0.41	3.80
65	NB072014	198	2.58	3.5	<0.1	182	<1	0.23	0.22	0.39	38.73	2.6	37	1.7	11.56	1.4	0.8	0.6	1.04	9.64
66	NB072015	313	4.71	3.2	<0.1	243	<1	0.17	0.97	0.55	24.88	17.7	135	1.9	18.33	1.1	0.7	0.4	4.51	18.66
67	NB072016	371	2.74	3.0	<0.1	344	<1	0.29	0.62	2.03	26.30	6.4	63	2.1	15.04	0.9	0.6	0.3	1.48	10.64
68	NB072017	226	0.77	2.0	<0.1	121	<1	0.21	0.32	0.63	7.66	0.9	13	0.5	8.18	0.5	0.3	0.1	0.27	3.28

PH layer
<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		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
35	NB071038	2.1	3.22	0.4	0.74	21.9	32.4	0.2	0.28	657	0.75	0.383	13.76	18.3	13.7	0.046	22.64	4.8	51.1	<0.04
36	NB071039	1.5	2.67	0.3	0.86	17.3	13.1	0.2	0.12	86	0.39	0.195	8.42	13.4	3.1	0.026	9.84	3.6	41.7	<0.04
37	NB071040	1.4	2.55	0.2	1.43	13.8	9.7	0.1	0.23	478	0.32	0.765	13.75	11.2	5.1	0.039	26.66	3.0	78.1	<0.04
38	NB071041	0.4	0.30	<0.1	0.17	3.5	1.4	<0.1	0.10	149	0.65	0.140	1.17	2.5	9.6	0.079	53.86	0.7	7.5	0.16
39	NB071042	0.2	0.32	<0.1	0.13	1.9	1.3	<0.1	0.13	186	0.46	0.138	1.13	1.6	4.9	0.052	56.18	0.5	5.8	0.11
40	NB071043	1.9	2.66	0.3	1.42	14.8	28.6	0.2	0.41	336	0.48	0.822	8.11	11.9	10.8	0.065	19.92	3.4	54.4	<0.04
41	NB071044	1.5	2.28	0.3	0.72	12.5	5.8	0.2	0.23	189	1.50	0.921	6.11	10.4	5.6	0.120	40.74	2.8	50.2	0.09
42	NB071045	1.2	2.04	0.1	1.48	14.0	5.2	<0.1	0.04	155	0.47	0.719	5.87	12.0	2.4	0.051	52.92	3.0	48.1	0.05
43	NB071046	2.1	2.59	0.3	1.39	17.4	31.0	0.2	0.41	571	0.30	0.844	8.92	13.9	14.6	0.074	19.98	4.1	70.6	<0.04
44	NB071047	1.6	2.24	0.3	0.64	17.4	10.8	0.1	0.14	88	0.42	0.402	9.20	13.4	4.0	0.021	22.71	3.7	33.8	<0.04
45	NB071048	1.5	2.03	0.2	0.38	14.6	8.6	0.1	0.10	131	0.57	0.234	9.02	11.7	4.9	0.040	48.82	3.2	24.6	<0.04
46	NB071049	1.5	2.31	0.3	0.63	14.7	6.9	0.1	0.07	66	0.41	0.242	7.66	12.5	4.8	0.047	29.56	3.0	27.8	<0.04
47	NB071050	2.5	3.37	0.3	0.83	23.6	22.3	0.2	0.36	641	0.32	0.493	10.40	21.1	15.2	0.104	18.21	5.6	51.2	<0.04
48	NB071051	2.1	1.89	0.3	0.73	18.4	18.1	0.1	0.36	203	0.43	0.398	6.80	17.9	15.2	0.092	33.27	4.3	57.2	0.08
49	NB071052	1.7	2.27	0.5	0.90	23.1	22.5	0.2	0.45	302	0.28	0.749	7.56	18.8	16.8	0.076	18.83	5.3	52.7	0.04
50	NB071054	2.6	3.05	0.4	1.38	27.4	35.9	0.2	0.47	313	1.06	0.535	11.26	22.4	20.2	0.076	26.68	6.4	102.5	0.05
51	NB071055	0.9	1.87	0.2	0.32	4.7	6.4	<0.1	1.74	474	0.55	0.374	7.14	4.2	40.5	0.030	7.83	1.0	11.6	0.08
52	NB071056	0.8	0.68	0.1	0.28	5.1	5.6	<0.1	0.63	207	0.74	0.267	3.01	4.6	18.7	0.070	42.07	1.1	13.2	0.11
53	NB072001	1.6	2.62	0.3	0.61	17.3	6.1	0.2	0.07	103	0.30	0.303	8.16	13.5	4.3	0.038	32.52	3.7	24.8	<0.04
54	NB072002	2.0	3.15	0.3	1.31	15.1	3.5	0.2	0.18	588	0.58	1.001	11.66	14.5	3.1	0.040	52.71	3.5	50.7	0.04
55	NB072003	2.7	2.92	0.4	1.17	22.3	16.2	0.3	0.60	425	0.81	0.726	14.85	21.4	19.5	0.147	28.90	5.5	60.9	<0.04
56	NB072004	2.3	2.69	0.4	0.85	18.7	4.7	0.2	0.32	1285	1.31	0.811	11.63	16.5	6.5	0.064	42.36	4.4	37.6	0.04
57	NB072005	0.8	1.34	0.1	0.32	8.0	3.8	0.1	0.11	887	0.70	0.197	5.32	6.3	4.4	0.071	68.98	1.7	13.1	0.08
58	NB072006	1.7	3.64	0.4	1.36	13.7	23.5	0.2	0.38	418	1.00	0.688	13.12	12.7	14.1	0.081	52.50	3.1	76.7	0.06
59	NB072007	1.8	1.55	0.2	0.97	14.6	41.6	0.1	0.84	829	0.30	0.505	5.79	14.1	47.6	0.073	28.02	3.3	51.4	0.09
60	NB072009	0.2	0.21	<0.1	0.20	2.5	2.1	<0.1	0.09	129	1.02	0.071	1.01	2.0	7.4	0.138	126.84	0.5	7.5	0.13
61	NB072010	1.6	3.03	0.3	0.85	17.6	19.5	0.2	0.38	765	0.86	0.758	12.43	13.2	17.1	0.116	85.40	3.8	44.8	0.06
62	NB072011	0.8	2.41	0.3	0.29	8.8	4.3	0.1	0.08	129	0.57	0.210	8.31	6.6	4.0	0.085	62.55	1.8	15.6	0.10
63	NB072012	1.2	4.22	0.3	0.78	8.7	8.2	0.3	0.17	409	1.35	0.714	29.51	7.5	2.8	0.049	34.22	2.1	34.2	0.07
64	NB072013	0.5	0.65	<0.1	0.64	6.1	2.2	<0.1	0.05	54	0.86	0.227	3.61	4.4	4.4	0.075	57.78	1.2	22.0	0.09
65	NB072014	1.5	2.33	0.3	0.78	21.0	8.6	0.2	0.27	214	0.61	0.270	9.26	18.8	9.4	0.081	39.19	4.7	37.7	0.08
66	NB072015	1.2	2.01	0.2	0.71	11.5	17.0	<0.1	1.18	685	1.41	0.591	8.36	9.2	43.9	0.198	31.50	2.4	28.6	0.06
67	NB072016	0.9	1.54	0.2	0.72	15.8	11.1	0.1	0.39	4233	0.80	0.329	6.61	11.3	21.0	0.135	75.74	3.2	42.6	0.09
68	NB072017	0.4	0.74	<0.1	0.29	4.2	2.3	<0.1	0.09	1436	0.72	0.130	3.09	4.0	6.8	0.144	45.39	1.0	9.8	0.15

PH layer
<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		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
35	NB071038	0.73	4.7	3.0	1.9	37	0.7	0.3	6.3	0.386	0.2	1.8	51	0.9	11.2	1.4	56.2	123.1
36	NB071039	0.50	3.0	2.0	1.2	25	0.4	0.2	4.5	0.264	0.2	1.4	41	0.6	8.4	1.2	17.2	98.6
37	NB071040	0.43	4.0	1.8	6.7	43	1.4	0.2	6.3	0.506	<0.1	1.9	49	1.3	5.7	0.7	17.1	87.4
38	NB071041	0.88	0.7	0.4	1.6	25	<0.1	<0.1	0.7	0.044	<0.1	0.2	37	0.2	1.4	0.2	49.9	12.5
39	NB071042	0.77	0.9	0.4	1.4	28	<0.1	<0.1	0.7	0.046	<0.1	0.3	11	0.1	1.6	0.2	93.5	10.3
40	NB071043	0.42	5.2	2.2	1.4	91	0.5	0.2	5.0	0.306	0.1	1.4	67	1.0	8.4	1.2	49.1	85.5
41	NB071044	0.66	6.1	1.9	2.2	83	0.3	0.3	3.9	0.369	0.2	1.7	62	0.7	10.0	1.1	42.8	87.6
42	NB071045	0.68	1.2	1.9	3.2	65	0.5	0.1	4.8	0.133	<0.1	1.0	12	0.4	2.9	0.4	23.7	67.3
43	NB071046	0.44	5.4	2.3	1.7	50	0.5	0.2	5.1	0.303	0.2	1.6	65	0.9	8.6	1.2	50.6	92.7
44	NB071047	0.53	3.6	2.1	1.7	34	0.5	0.2	4.9	0.346	0.1	1.4	40	0.7	8.1	1.0	14.9	82.1
45	NB071048	0.55	2.5	1.8	2.1	27	0.5	0.2	3.8	0.306	0.1	1.1	27	0.7	7.5	1.0	43.7	74.5
46	NB071049	0.51	2.5	2.1	1.4	25	0.4	0.2	3.5	0.235	0.1	1.3	20	0.7	7.5	1.1	26.8	77.0
47	NB071050	0.80	5.3	3.1	1.5	50	0.6	0.3	5.9	0.391	0.2	1.5	60	1.4	7.9	1.2	57.6	118.9
48	NB071051	0.66	5.0	2.8	2.0	33	0.4	0.3	4.3	0.229	0.1	1.2	40	0.7	7.7	1.0	46.3	67.6
49	NB071052	0.31	5.5	2.8	1.3	54	0.4	0.2	5.5	0.299	0.1	1.4	51	0.6	11.0	1.0	58.5	89.0
50	NB071054	2.32	7.4	3.8	2.3	47	0.6	0.4	8.4	0.358	0.3	2.0	59	1.5	11.6	1.5	64.4	107.5
51	NB071055	0.26	11.0	0.8	1.0	52	0.3	0.1	1.7	0.553	<0.1	0.5	152	0.3	5.1	0.6	55.9	71.7
52	NB071056	0.64	4.9	0.7	1.8	29	0.1	<0.1	1.5	0.204	<0.1	0.5	53	0.3	3.5	0.4	32.5	26.8
53	NB072001	0.77	1.8	2.2	1.7	30	0.5	0.2	4.5	0.286	0.1	1.3	16	0.8	7.5	1.0	30.2	92.2
54	NB072002	0.86	4.6	2.4	2.3	43	0.7	0.2	4.8	0.318	0.1	1.5	33	1.4	7.8	1.2	60.1	102.6
55	NB072003	1.90	8.9	3.8	2.2	65	0.7	0.3	5.8	0.600	0.2	1.9	111	1.5	10.8	1.5	89.2	114.1
56	NB072004	1.49	5.5	2.8	3.0	44	0.7	0.3	6.1	0.555	0.2	1.9	66	1.7	10.5	1.3	47.6	100.8
57	NB072005	1.09	2.2	1.0	1.7	31	0.3	<0.1	2.3	0.286	<0.1	0.9	36	0.4	4.4	0.6	69.0	53.8
58	NB072006	0.94	4.6	1.9	2.6	45	0.8	0.3	6.6	0.421	0.2	2.1	73	1.3	10.1	1.4	125.3	130.6
59	NB072007	0.36	6.0	2.0	1.1	99	0.3	0.2	4.0	0.212	0.1	1.2	46	0.5	7.1	0.9	159.0	54.7
60	NB072009	1.20	0.8	0.3	2.1	31	<0.1	<0.1	0.6	0.037	<0.1	0.2	9	0.2	1.1	0.1	72.8	8.3
61	NB072010	1.24	4.7	1.9	1.9	86	0.6	0.2	5.5	0.556	0.2	1.7	65	0.7	9.1	1.1	130.4	123.1
62	NB072011	1.09	1.6	1.1	2.6	53	0.4	0.2	3.5	0.308	0.1	1.3	24	0.6	7.5	1.0	56.8	82.4
63	NB072012	0.73	1.6	1.5	3.8	19	1.7	0.2	2.8	0.197	0.2	1.6	16	1.1	9.4	1.8	46.3	143.7
64	NB072013	0.60	1.4	0.7	2.3	25	0.2	<0.1	1.4	0.093	<0.1	0.6	10	0.3	2.5	0.3	40.2	20.5
65	NB072014	0.88	5.6	2.9	2.2	30	0.4	0.2	5.1	0.406	0.1	1.3	51	0.6	8.1	1.0	61.2	83.0
66	NB072015	0.34	6.3	1.3	1.4	213	0.4	0.2	3.2	0.793	<0.1	1.1	125	0.4	5.7	0.7	77.9	73.9
67	NB072016	0.65	6.8	1.5	2.3	66	0.3	0.1	4.5	0.316	0.1	1.3	59	0.5	5.7	0.7	136.4	59.4
68	NB072017	0.94	1.8	0.6	2.1	22	0.1	<0.1	1.2	0.117	<0.1	0.5	14	0.3	2.6	0.4	59.7	28.4

PH layer
<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		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
69	NB072018	75	0.26	0.5	<0.1	102	<1	0.23	0.56	0.30	2.60	1.4	3	0.2	6.83	0.1	<0.1	<0.1	0.13	0.86
70	NB072019	195	0.30	1.6	<0.1	106	<1	0.21	0.77	0.71	2.55	0.8	5	0.2	9.18	0.1	<0.1	<0.1	0.18	1.09
71	NB072020	295	3.73	3.0	<0.1	253	<1	0.18	0.13	0.50	17.02	3.6	87	2.7	11.44	1.7	1.2	0.3	0.99	15.52
72	NB072021	148	0.77	1.4	<0.1	84	<1	0.13	0.11	0.24	14.18	0.7	6	0.5	5.21	0.9	0.5	0.2	0.25	2.00
73	NB072022	247	3.64	2.4	<0.1	224	<1	0.36	0.28	0.69	32.19	4.9	33	3.2	12.62	1.4	0.9	0.5	1.27	10.09
74	NB072023	571	1.38	1.7	<0.1	143	<1	0.23	0.43	0.57	15.16	5.1	12	0.9	12.02	0.7	0.4	0.2	0.53	3.95
75	NB072024	227	1.79	4.3	<0.1	187	<1	0.30	0.26	0.55	20.97	2.6	20	1.0	10.61	0.9	0.5	0.3	0.80	5.88
76	NB072026	305	1.98	3.2	<0.1	144	<1	0.18	0.07	0.22	26.13	1.0	13	0.9	5.47	1.2	0.7	0.4	0.74	5.85
77	NB072027	359	0.78	0.8	<0.1	198	<1	0.18	0.39	0.42	12.17	1.1	8	0.6	7.17	0.7	0.4	0.2	0.26	2.34
78	NB072028	449	1.38	2.2	<0.1	271	<1	0.24	0.38	0.67	18.53	1.3	9	0.9	7.83	0.7	0.3	0.2	0.33	3.59
79	NB072029	419	1.34	2.6	<0.1	231	<1	0.24	0.28	0.65	21.06	2.2	13	1.0	10.99	1.1	0.6	0.3	0.54	4.52
80	NB072030	123	1.64	1.2	<0.1	130	<1	0.13	0.08	0.14	19.38	1.0	10	1.3	4.59	1.2	0.8	0.3	0.52	5.37
81	NB072031	37	0.41	2.9	<0.1	74	<1	0.29	0.11	0.58	3.13	1.1	3	0.4	5.16	0.2	<0.1	<0.1	0.29	1.08
82	NB072032	282	1.81	1.7	<0.1	213	<1	0.11	0.12	0.15	25.80	1.3	9	1.1	4.82	1.2	0.7	0.3	0.45	5.69
83	NB072033	220	1.61	2.4	<0.1	119	<1	0.13	0.11	0.17	18.91	1.3	10	1.2	5.55	0.9	0.7	0.3	0.78	5.25
84	NB072034	695	0.64	2.0	<0.1	161	<1	0.19	0.60	0.81	10.52	0.9	9	0.5	10.64	0.4	0.2	0.1	0.27	2.30
85	NB072035	336	0.74	0.6	<0.1	144	<1	0.16	0.38	0.41	10.52	0.9	10	0.5	8.16	0.4	0.2	0.1	0.25	2.60
86	NB072036	244	5.98	7.1	<0.1	309	1	0.19	0.30	0.36	53.95	10.6	93	4.1	13.78	1.6	1.0	0.8	3.33	15.06
87	NB072037	377	4.39	12.2	<0.1	320	<1	0.25	0.18	0.52	42.19	8.6	97	3.3	10.62	1.3	0.8	0.6	2.02	13.84
88	NB072038	314	1.95	3.1	<0.1	154	<1	0.14	0.08	0.28	33.10	1.7	36	1.6	7.03	1.1	0.7	0.4	0.57	9.58
89	NB072039	237	3.03	3.7	<0.1	172	<1	0.19	0.20	0.27	42.67	2.1	46	2.1	8.61	1.1	0.7	0.6	0.72	11.68
90	NB072040	232	1.56	1.8	<0.1	149	<1	0.17	0.32	1.21	22.64	1.6	26	1.3	7.78	0.7	0.5	0.3	0.50	6.74
91	NB072041	382	1.78	1.3	<0.1	261	<1	0.16	0.51	0.67	30.76	1.4	30	1.0	6.64	1.2	0.6	0.4	0.29	5.03
92	NB072042	539	2.57	3.4	<0.1	173	<1	0.14	0.21	0.32	45.52	1.7	31	2.0	7.07	1.1	0.6	0.6	0.83	10.00
93	NB072043	313	3.66	4.5	<0.1	247	<1	0.16	0.85	0.39	42.68	5.5	47	2.6	11.85	1.7	0.9	0.7	1.72	10.15
94	NB072044	131	2.12	1.9	<0.1	127	<1	0.08	0.09	0.08	21.00	1.9	13	1.4	5.41	1.1	0.7	0.3	0.83	6.04
95	NB072045	84	1.27	1.0	<0.1	125	<1	0.11	0.08	0.14	21.29	0.5	7	0.8	4.11	1.1	0.7	0.3	0.27	3.49
96	NB072046	248	1.11	1.3	<0.1	254	<1	0.17	0.14	0.39	17.09	4.2	8	0.6	8.76	1.1	0.4	0.4	0.63	2.63
97	NB072047	386	1.16	0.9	<0.1	157	<1	0.09	0.10	0.35	22.66	0.7	9	0.9	6.84	1.3	0.8	0.3	0.29	3.62
98	NB072048	267	0.73	1.0	<0.1	182	<1	0.23	0.29	0.52	10.86	0.8	6	0.5	5.13	0.5	0.3	<0.1	0.29	2.30
99	NB072050	<20	0.36	0.5	<0.1	119	<1	0.07	0.13	1.16	4.07	1.2	4	0.3	4.67	0.2	<0.1	<0.1	0.18	0.88
100	NB072051	190	2.28	2.7	<0.1	156	<1	0.18	0.17	0.13	28.87	1.9	15	1.2	6.62	1.3	0.8	0.4	0.93	6.97
101	NB072052	221	2.46	1.7	<0.1	206	<1	0.20	0.09	0.44	25.13	3.0	21	1.7	8.52	1.1	0.7	0.4	1.06	7.28
102	NB072053	231	2.29	2.4	<0.1	209	<1	0.24	0.48	0.59	19.30	3.2	25	1.1	10.52	1.1	0.8	0.3	0.96	7.58

PH layer
<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		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
69	NB072018	0.2	0.12	<0.1	0.17	1.4	0.9	<0.1	0.09	184	0.27	0.045	0.64	1.2	4.7	0.098	29.07	0.3	4.0	0.14
70	NB072019	0.2	0.14	<0.1	0.19	1.6	1.1	<0.1	0.08	683	0.47	0.047	0.68	1.3	5.5	0.140	48.34	0.3	4.6	0.17
71	NB072020	1.3	3.76	0.4	0.94	9.2	9.0	0.2	0.36	305	0.34	0.648	14.18	7.5	23.8	0.085	38.55	2.0	49.4	0.06
72	NB072021	0.9	1.39	0.2	0.37	8.6	4.9	<0.1	0.04	214	0.25	0.149	3.64	5.9	1.5	0.021	39.75	1.6	14.5	<0.04
73	NB072022	1.6	1.75	0.3	0.88	17.9	16.3	0.1	0.27	360	0.54	0.284	7.76	13.2	11.4	0.112	44.58	3.9	70.3	0.08
74	NB072023	0.8	1.02	0.1	0.46	7.9	5.2	<0.1	0.17	344	0.46	0.285	3.52	7.3	9.1	0.098	53.56	1.7	24.9	0.11
75	NB072024	1.1	1.45	0.2	0.61	11.7	7.2	0.1	0.17	609	0.40	0.292	5.87	9.7	6.7	0.071	47.26	2.5	27.3	0.08
76	NB072026	1.3	1.85	0.2	0.52	14.2	7.3	0.1	0.09	86	0.40	0.335	6.69	10.9	2.8	0.082	32.08	3.0	26.6	0.07
77	NB072027	0.9	0.87	0.1	0.38	6.7	3.2	<0.1	0.09	769	0.36	0.210	3.15	6.4	3.1	0.090	38.05	1.6	14.7	0.08
78	NB072028	0.9	1.05	0.2	0.70	12.7	3.2	<0.1	0.09	126	0.40	0.288	3.44	8.1	3.6	0.073	65.46	2.4	30.2	0.07
79	NB072029	1.3	1.65	0.2	0.60	12.2	6.0	0.1	0.10	374	1.28	0.211	5.53	9.3	5.0	0.080	42.38	2.5	30.1	0.06
80	NB072030	1.0	2.15	0.3	0.84	11.4	8.6	0.1	0.08	103	0.18	0.443	6.79	8.5	1.9	0.016	13.90	2.3	42.5	<0.04
81	NB072031	0.2	0.25	<0.1	0.14	1.6	1.5	<0.1	0.05	77	0.27	0.075	0.78	1.4	3.8	0.055	40.47	0.4	7.9	0.10
82	NB072032	1.5	1.94	0.2	0.86	14.2	5.3	0.1	0.07	173	0.30	0.389	7.12	11.5	3.2	0.045	13.69	3.1	37.7	<0.04
83	NB072033	1.3	1.42	0.2	0.64	10.6	8.0	<0.1	0.10	220	0.20	0.247	4.47	7.7	4.6	0.080	12.61	2.3	34.7	0.06
84	NB072034	0.5	0.53	<0.1	0.23	5.7	1.8	<0.1	0.09	460	0.60	0.109	2.45	5.3	5.6	0.136	51.58	1.2	7.7	0.16
85	NB072035	0.5	0.62	<0.1	0.26	5.2	2.1	<0.1	0.10	343	0.30	0.128	1.97	5.1	4.9	0.083	24.44	1.2	12.3	0.11
86	NB072036	2.7	2.56	0.3	1.49	28.5	37.2	0.2	0.89	585	0.48	0.669	7.83	23.8	40.3	0.140	102.55	6.6	84.8	0.05
87	NB072037	2.4	2.82	0.3	1.20	21.9	11.4	0.1	0.39	4036	0.61	0.867	5.54	19.0	18.5	0.134	49.39	5.0	67.9	0.08
88	NB072038	1.6	1.98	0.2	0.53	18.7	4.0	0.1	0.19	133	0.46	0.352	7.02	15.1	6.6	0.096	32.43	4.2	27.0	0.08
89	NB072039	1.8	2.33	0.2	0.82	23.5	7.6	0.1	0.25	193	0.51	0.410	7.36	19.5	8.3	0.081	39.12	5.5	41.6	0.08
90	NB072040	0.9	1.53	0.1	0.50	11.3	4.9	<0.1	0.16	1227	0.62	0.210	4.33	10.5	8.2	0.111	33.40	2.5	25.5	0.13
91	NB072041	1.6	2.32	0.2	0.48	17.4	4.6	0.1	0.17	854	0.43	0.424	7.06	13.6	5.3	0.082	39.19	3.8	22.2	0.08
92	NB072042	2.1	2.56	0.2	0.67	22.9	5.7	0.1	0.16	156	0.77	0.691	7.15	20.3	5.7	0.084	27.56	5.6	37.6	0.06
93	NB072043	2.4	2.35	0.3	1.02	23.5	23.7	0.2	0.40	531	0.88	0.733	7.79	19.8	15.5	0.072	18.65	5.3	71.3	0.06
94	NB072044	1.3	1.81	0.2	0.77	10.7	11.6	0.1	0.13	192	0.22	0.524	5.75	9.8	4.7	0.082	16.09	2.5	40.1	<0.04
95	NB072045	1.2	1.67	0.2	0.56	11.1	5.8	0.1	0.05	92	0.17	0.348	5.94	9.4	1.7	0.015	19.24	2.4	22.0	<0.04
96	NB072046	1.6	0.43	0.2	0.26	8.4	2.9	<0.1	0.08	84	0.43	0.132	1.72	10.0	8.8	0.171	55.22	2.3	16.4	0.19
97	NB072047	1.4	1.98	0.3	0.50	12.5	6.3	0.1	0.05	195	0.29	0.225	6.25	9.9	3.2	0.032	20.03	2.8	22.1	<0.04
98	NB072048	0.7	0.77	0.1	0.31	5.8	3.0	<0.1	0.07	538	0.47	0.151	2.77	5.2	3.4	0.071	50.60	1.3	14.7	0.09
99	NB072050	0.3	0.20	<0.1	0.19	2.0	1.4	<0.1	0.07	167	0.18	0.059	0.80	1.9	3.3	0.075	16.45	0.5	12.2	0.10
100	NB072051	1.5	2.00	0.3	0.68	15.1	9.6	0.1	0.14	349	0.33	0.365	7.83	14.2	4.8	0.064	23.99	3.3	32.6	0.04
101	NB072052	1.4	1.51	0.2	0.79	14.6	12.5	0.1	0.17	339	0.40	0.411	6.69	11.0	5.9	0.068	36.80	3.1	39.1	0.04
102	NB072053	1.1	2.29	0.2	0.80	9.7	4.8	0.2	0.20	868	0.70	0.533	7.19	8.8	7.5	0.132	43.87	2.3	34.0	0.12

PH layer
<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		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
69	NB072018	0.35	0.3	0.2	0.9	29	<0.1	<0.1	0.3	0.022	<0.1	0.1	6	<0.1	0.9	0.1	92.1	7.1
70	NB072019	0.64	0.4	0.2	1.4	35	<0.1	<0.1	0.4	0.021	<0.1	0.1	7	0.1	0.7	<0.1	107.6	5.3
71	NB072020	0.59	10.6	1.3	2.5	59	0.7	0.3	5.3	0.649	0.2	2.2	77	0.8	10.9	1.6	60.9	136.0
72	NB072021	0.40	1.0	1.0	0.7	18	0.2	0.1	2.1	0.119	0.1	0.7	9	0.3	5.3	0.6	15.9	45.7
73	NB072022	0.75	5.2	2.3	2.0	44	0.4	0.3	4.4	0.286	0.2	1.4	44	0.7	7.9	1.0	45.0	63.0
74	NB072023	0.52	1.9	1.2	1.3	41	0.2	0.1	1.8	0.113	<0.1	0.5	18	0.3	3.7	0.5	82.2	32.1
75	NB072024	0.90	2.8	1.5	1.7	33	0.3	0.2	3.4	0.217	<0.1	1.0	26	0.6	5.6	0.7	77.0	55.6
76	NB072026	0.58	2.5	1.8	1.5	30	0.4	0.2	3.4	0.234	0.1	1.1	27	0.5	7.3	0.8	25.2	64.7
77	NB072027	0.45	1.0	1.1	1.0	40	0.1	0.1	1.3	0.092	<0.1	0.4	9	0.5	4.1	0.5	72.4	33.1
78	NB072028	0.75	1.6	1.2	2.0	60	0.2	0.1	2.7	0.123	<0.1	0.7	13	0.5	3.8	0.4	47.1	34.4
79	NB072029	0.68	1.9	1.4	1.5	31	0.3	0.2	3.0	0.214	<0.1	0.9	20	0.5	5.6	0.7	89.2	57.7
80	NB072030	0.41	2.1	1.4	1.1	27	0.4	0.2	3.8	0.255	0.1	1.3	17	0.6	8.1	1.0	17.1	75.4
81	NB072031	0.51	0.4	0.2	0.6	13	<0.1	<0.1	0.4	0.026	<0.1	0.1	6	0.1	0.8	0.1	25.9	7.1
82	NB072032	0.38	2.4	1.8	1.3	29	0.3	0.2	3.6	0.214	0.1	1.1	20	0.6	6.8	0.9	18.3	72.3
83	NB072033	0.33	2.2	1.5	1.0	24	0.2	0.2	2.5	0.130	<0.1	0.7	23	0.4	5.1	0.7	45.0	51.2
84	NB072034	0.72	1.1	0.7	1.8	46	<0.1	<0.1	1.1	0.073	<0.1	0.3	11	0.3	2.0	0.2	103.7	19.2
85	NB072035	0.35	1.3	0.8	0.9	29	<0.1	<0.1	1.3	0.073	<0.1	0.3	12	0.2	2.1	0.3	50.9	21.0
86	NB072036	0.41	10.5	3.4	1.8	51	0.4	0.3	7.7	0.331	0.2	1.9	85	0.5	8.9	1.2	101.0	97.4
87	NB072037	1.32	7.2	2.6	2.4	35	0.3	0.2	5.7	0.208	0.1	1.7	86	0.5	6.9	0.9	71.0	99.5
88	NB072038	0.54	3.8	2.3	2.2	22	0.3	0.2	4.0	0.252	0.1	1.3	44	0.6	5.9	0.8	35.6	77.0
89	NB072039	0.60	5.9	2.9	2.5	34	0.3	0.2	6.2	0.318	0.1	1.6	60	0.7	6.9	1.0	38.9	85.4
90	NB072040	0.59	3.2	1.7	2.4	27	0.2	0.1	2.8	0.154	<0.1	0.8	29	0.4	3.9	0.6	175.0	49.2
91	NB072041	0.59	2.9	2.1	1.9	67	0.3	0.2	3.7	0.312	0.1	1.3	24	0.6	6.7	0.8	53.9	81.6
92	NB072042	0.60	5.0	3.1	1.6	46	0.3	0.3	5.1	0.245	0.1	1.2	46	0.5	6.0	0.8	32.2	96.3
93	NB072043	0.40	5.3	3.1	1.4	117	0.4	0.3	5.5	0.313	0.2	1.6	49	0.6	9.5	1.1	83.8	83.8
94	NB072044	0.34	2.4	1.6	1.0	24	0.3	0.2	3.1	0.175	0.1	0.8	22	0.5	6.5	0.9	28.3	59.8
95	NB072045	0.33	1.3	1.5	1.0	25	0.3	0.2	3.2	0.202	0.1	0.9	12	0.4	6.0	0.8	15.5	60.0
96	NB072046	0.40	2.1	1.9	1.2	19	<0.1	0.2	1.2	0.055	<0.1	0.5	12	0.2	4.8	0.5	35.8	15.9
97	NB072047	0.36	1.7	1.7	1.0	19	0.3	0.2	3.0	0.195	0.1	0.9	15	0.4	6.9	1.0	22.8	69.0
98	NB072048	0.70	1.0	0.7	1.5	20	0.2	<0.1	1.5	0.090	<0.1	0.4	11	0.3	2.7	0.4	42.4	27.5
99	NB072050	0.25	0.6	0.3	0.4	15	<0.1	<0.1	0.4	0.024	<0.1	0.1	6	0.1	1.1	0.1	72.0	6.1
100	NB072051	0.41	3.1	2.1	1.5	26	0.4	0.2	4.1	0.259	0.1	1.1	32	0.6	7.3	1.0	27.6	76.6
101	NB072052	0.45	3.1	1.7	1.8	30	0.4	0.2	3.5	0.251	0.1	1.0	29	0.6	7.3	0.7	42.9	55.2
102	NB072053	0.81	4.0	1.7	3.0	60	0.4	0.2	3.7	0.324	0.1	1.1	43	0.7	6.7	1.0	78.0	85.3

PH layer
<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		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
103	NB072054	213	4.57	5.0	<0.1	267	<1	0.13	0.47	0.28	44.19	8.7	57	2.2	14.63	2.0	1.1	0.8	2.35	10.19
104	NB072055	218	1.71	2.8	<0.1	142	<1	0.19	0.15	0.32	25.07	1.4	33	1.6	8.69	0.8	0.5	0.3	0.51	7.53
105	NB072056	225	2.50	2.0	<0.1	208	<1	0.16	0.29	1.17	28.23	2.2	41	2.0	8.83	1.0	0.5	0.3	0.61	8.64
106	NB072057	295	2.36	2.5	<0.1	170	<1	0.20	0.08	0.40	17.11	2.3	52	1.6	9.04	0.7	0.5	0.3	0.87	9.81
107	NB072058	276	4.10	4.2	<0.1	218	<1	0.16	0.12	0.34	36.94	6.6	78	3.0	11.66	1.0	0.6	0.4	1.81	12.06
108	NB072059	215	2.30	2.6	<0.1	217	<1	0.10	0.27	0.46	39.04	1.8	44	2.3	8.16	1.1	0.6	0.5	0.75	9.85
109	NB072060	154	0.61	0.9	<0.1	120	<1	0.14	0.41	0.59	7.70	0.6	9	0.4	11.08	0.3	0.2	<0.1	0.22	1.63
110	NB072061	703	1.90	3.5	<0.1	172	<1	0.35	0.29	0.41	10.82	1.5	25	0.9	8.84	0.6	0.3	0.2	0.71	7.93
111	NB072062	237	3.30	2.7	<0.1	321	<1	0.24	0.60	0.34	23.44	8.7	25	1.8	7.22	1.5	0.7	0.4	1.58	9.24
112	NB072063	354	0.47	1.4	<0.1	86	<1	0.19	0.42	0.63	3.38	0.6	5	0.4	8.35	0.2	0.1	<0.1	0.27	1.56
113	NB072064	299	2.34	3.5	<0.1	181	<1	0.27	0.16	0.39	27.23	1.6	19	1.2	8.29	1.1	0.6	0.4	0.83	6.76
114	NB072065	193	1.54	0.7	<0.1	281	<1	0.08	0.24	0.27	23.53	1.3	14	1.0	5.18	1.1	0.5	0.2	0.31	4.81
115	NB072066	803	1.72	1.6	<0.1	62	1	0.21	0.08	0.34	14.35	7.5	7	0.5	13.47	1.1	0.5	0.3	0.51	2.06
116	NS071001	103	0.36	0.8	<0.1	85	<1	0.10	0.33	1.06	3.57	0.8	5	0.3	11.47	0.2	0.1	<0.1	0.21	0.95
117	NS071002	352	1.40	1.4	<0.1	103	<1	0.14	0.08	0.33	22.32	0.9	16	0.9	7.66	0.9	0.5	0.3	0.50	3.38
118	NS071003	287	2.11	2.5	<0.1	165	<1	0.09	0.09	0.31	38.13	1.7	19	1.6	8.38	1.4	0.8	0.4	0.73	5.28
119	NS071004	167	3.74	5.5	<0.1	222	1	0.13	0.08	0.12	46.14	6.0	29	3.2	9.71	1.6	0.8	0.5	1.66	11.25
120	NS071005	222	3.97	6.0	<0.1	249	<1	0.17	0.16	0.17	42.50	3.7	28	2.8	7.88	1.5	0.9	0.5	1.68	11.37
121	NS071006	163	4.05	4.4	<0.1	255	<1	0.16	0.23	0.08	36.17	6.9	27	2.7	9.93	1.4	0.8	0.5	1.87	10.89
122	NS071007	230	6.37	6.3	<0.1	396	2	0.31	0.05	0.20	60.25	3.8	55	6.4	9.43	1.7	0.7	0.7	2.31	18.28
123	NS071008	97	5.46	9.1	<0.1	378	2	0.21	0.33	0.14	56.96	11.4	42	3.5	26.95	2.6	1.4	1.0	2.64	12.42
124	NS071009	85	0.29	1.5	<0.1	30	<1	0.26	0.18	0.76	2.40	0.4	3	0.7	7.90	0.1	<0.1	<0.1	0.11	0.94
125	NS071010	188	2.73	3.7	<0.1	180	<1	0.14	0.15	0.18	40.58	2.4	20	1.7	7.28	1.4	0.8	0.5	1.20	8.05
126	NS071011	212	3.66	2.9	<0.1	189	<1	0.19	0.29	0.13	41.55	2.2	34	1.9	7.66	1.9	0.9	0.5	1.89	12.45
127	NS071012	290	2.31	1.9	<0.1	227	<1	0.16	0.43	0.16	14.93	1.6	12	2.1	3.94	0.7	0.4	0.2	0.56	5.64
128	NS071013	183	2.11	1.5	<0.1	144	<1	0.15	0.06	0.13	47.11	1.2	23	1.7	6.39	1.9	1.1	0.6	0.93	6.32
129	NS071014	288	3.29	4.2	<0.1	204	<1	0.16	0.10	0.21	39.73	2.0	32	2.8	7.53	1.7	1.0	0.5	1.19	9.47
130	NS071015	1527	5.69	8.1	<0.1	223	1	0.30	0.11	0.45	58.31	21.9	43	12.8	12.83	2.6	1.2	0.7	2.91	14.52
131	NS071016	401	2.95	4.6	<0.1	173	<1	0.19	0.15	0.25	27.70	2.7	32	2.3	13.13	1.0	0.6	0.3	1.27	8.70
132	NS071017	215	5.10	9.5	<0.1	292	<1	0.22	0.06	0.11	63.03	2.1	44	3.6	9.03	1.9	1.0	0.9	2.78	18.74
133	NS071019	147	3.26	11.3	<0.1	240	<1	0.17	0.17	0.16	24.31	1.1	12	2.6	4.21	0.9	0.5	0.2	0.77	10.83
134	NS071020	134	2.75	1.9	<0.1	196	<1	0.11	0.34	0.17	34.01	0.6	5	1.7	3.42	1.0	0.5	0.3	0.26	6.63
135	NS071021	272	4.11	5.0	<0.1	250	1	0.16	0.23	0.36	45.58	5.2	26	3.8	9.27	1.7	0.7	0.5	1.83	10.73
136	NS071022	438	5.44	3.9	<0.1	473	2	0.80	0.08	0.24	24.48	1.0	12	8.7	6.17	1.0	0.6	0.3	0.95	18.41

PH layer
<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		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
103	NB072054	2.6	2.29	0.4	1.08	23.4	31.3	0.2	0.68	688	0.32	0.795	6.74	20.9	30.9	0.114	22.55	5.4	59.0	0.06
104	NB072055	1.0	1.59	0.1	0.53	14.6	4.7	0.1	0.15	120	1.70	0.183	5.28	11.0	6.3	0.104	44.17	3.2	27.8	0.11
105	NB072056	1.1	1.75	0.2	0.82	14.3	8.5	0.1	0.25	1214	0.63	0.440	6.53	12.4	9.8	0.122	33.27	3.3	40.7	0.10
106	NB072057	1.0	1.71	0.2	0.67	10.7	6.5	0.1	0.27	248	0.62	0.286	5.94	7.9	14.1	0.081	44.34	2.1	34.1	0.07
107	NB072058	1.3	2.06	0.2	0.96	21.1	21.4	0.1	0.58	186	0.45	0.574	9.01	15.3	26.4	0.096	28.35	4.4	61.0	0.05
108	NB072059	1.7	2.44	0.2	0.87	20.6	5.1	0.1	0.22	579	0.26	0.312	8.13	20.1	7.4	0.107	15.44	4.9	39.7	0.08
109	NB072060	0.3	0.46	<0.1	0.23	4.5	3.1	<0.1	0.08	862	1.41	0.068	1.62	3.7	5.0	0.146	38.40	1.0	11.4	0.16
110	NB072061	0.5	1.04	0.1	0.65	6.3	2.6	<0.1	0.16	301	0.96	0.247	7.28	5.0	6.6	0.100	80.38	1.3	29.3	0.12
111	NB072062	1.8	1.64	0.3	1.02	13.1	7.0	0.1	0.33	704	0.42	0.662	6.97	10.9	9.6	0.099	37.63	3.0	42.0	0.09
112	NB072063	0.2	0.24	<0.1	0.21	2.0	1.1	<0.1	0.07	501	0.39	0.077	1.24	1.5	4.7	0.087	49.01	0.4	13.2	0.11
113	NB072064	1.3	2.03	0.2	0.70	15.2	7.5	0.1	0.11	206	0.50	0.373	7.71	11.4	4.3	0.040	48.29	3.2	33.5	<0.04
114	NB072065	1.2	1.79	0.2	0.62	12.1	5.2	0.1	0.09	1097	0.34	0.292	6.58	10.7	2.9	0.075	21.57	2.8	27.1	0.06
115	NB072066	1.5	0.23	0.2	0.18	6.7	2.6	<0.1	0.06	179	0.40	0.066	1.26	7.8	7.4	0.156	34.12	1.8	11.3	0.16
116	NS071001	0.2	0.20	<0.1	0.20	2.0	2.1	<0.1	0.12	625	0.52	0.064	0.89	1.7	4.3	0.113	19.02	0.4	8.3	0.16
117	NS071002	1.1	1.60	0.2	0.37	12.3	6.4	0.1	0.07	87	0.42	0.104	5.02	10.0	3.9	0.046	45.96	2.8	19.8	0.06
118	NS071003	1.9	2.60	0.3	0.57	20.1	14.1	0.2	0.09	152	0.47	0.270	7.51	17.4	4.2	0.029	18.28	4.5	32.5	<0.04
119	NS071004	2.2	2.69	0.3	1.11	23.3	32.9	0.1	0.25	398	0.27	0.700	8.58	19.5	12.3	0.043	13.52	5.5	61.9	<0.04
120	NS071005	1.9	2.75	0.3	1.10	22.9	27.0	0.2	0.24	404	0.99	0.425	10.30	19.1	6.2	0.053	21.91	5.2	59.9	<0.04
121	NS071006	1.5	2.20	0.3	1.18	17.9	32.4	0.1	0.31	609	0.39	0.577	10.12	16.7	11.4	0.043	27.13	3.9	58.0	<0.04
122	NS071007	2.7	2.29	0.3	1.65	31.0	45.8	0.2	0.20	542	0.52	0.313	9.99	25.0	8.6	0.045	35.47	6.9	102.5	<0.04
123	NS071008	3.3	2.48	0.5	1.55	29.9	45.5	0.2	0.56	955	0.74	0.798	8.72	27.3	26.7	0.050	56.75	7.0	76.9	<0.04
124	NS071009	0.2	0.11	<0.1	0.15	1.3	1.8	<0.1	0.08	32	0.32	0.059	0.47	1.0	3.3	0.057	47.62	0.3	13.6	0.12
125	NS071010	1.8	2.57	0.3	0.75	22.0	17.9	0.2	0.12	551	0.37	0.387	10.51	18.1	4.5	0.026	16.30	5.0	40.5	<0.04
126	NS071011	2.2	4.34	0.4	1.00	21.9	9.5	0.2	0.17	220	0.54	0.733	13.26	20.7	5.3	0.042	15.12	5.1	37.1	<0.04
127	NS071012	0.7	1.34	0.1	1.02	7.1	7.1	<0.1	0.19	285	0.36	0.647	3.06	6.2	4.1	0.050	27.60	1.6	33.8	0.08
128	NS071013	2.6	3.46	0.4	0.71	23.4	11.9	0.2	0.10	67	0.43	0.404	11.12	22.9	2.9	0.028	21.24	5.6	33.3	<0.04
129	NS071014	1.8	3.41	0.3	1.12	22.0	19.1	0.2	0.16	223	0.50	0.753	10.98	17.9	3.1	0.035	19.42	4.8	66.4	<0.04
130	NS071015	3.5	2.52	0.5	1.36	25.4	70.6	0.2	0.36	6681	0.93	0.521	8.76	23.7	14.1	0.126	45.50	5.9	98.7	0.09
131	NS071016	0.8	1.51	0.2	0.69	15.8	24.0	0.1	0.22	270	2.26	0.385	7.97	12.5	7.6	0.086	35.59	3.4	47.0	0.10
132	NS071017	2.5	3.45	0.4	1.25	31.4	40.7	0.2	0.10	307	1.09	0.430	14.14	31.8	4.2	0.041	16.57	7.8	61.6	<0.04
133	NS071019	1.4	2.26	0.2	1.51	12.1	14.9	<0.1	0.09	260	0.32	0.934	7.26	12.1	2.6	0.047	23.86	3.0	65.1	<0.04
134	NS071020	2.0	1.93	0.2	1.30	17.9	13.3	<0.1	0.04	115	0.30	0.868	4.44	16.3	2.0	0.041	27.39	4.5	54.9	<0.04
135	NS071021	2.7	2.15	0.3	1.31	24.3	52.2	0.1	0.23	527	0.92	0.624	8.61	20.8	9.1	0.067	23.44	5.5	63.1	<0.04
136	NS071022	1.1	3.82	0.2	1.63	12.6	47.2	0.1	0.13	366	0.38	0.966	12.85	10.3	1.7	0.040	18.44	2.9	122.7	<0.04

PH layer
<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		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
103	NB072054	0.32	6.2	3.3	1.6	62	0.3	0.3	5.8	0.271	0.2	1.4	52	0.6	10.3	1.2	73.5	79.4
104	NB072055	0.83	3.0	1.5	2.5	22	0.3	0.1	3.7	0.235	<0.1	1.1	40	0.5	4.9	0.6	48.5	57.9
105	NB072056	0.65	4.6	1.9	2.8	42	0.3	0.1	3.5	0.237	<0.1	1.0	41	0.7	4.5	0.7	131.1	59.9
106	NB072057	0.71	6.8	1.2	2.3	29	0.3	0.1	3.8	0.285	<0.1	1.3	57	0.5	4.8	0.7	33.1	65.5
107	NB072058	0.39	6.0	2.1	1.7	48	0.4	0.2	5.4	0.383	0.1	1.5	65	0.7	6.0	0.8	65.5	75.8
108	NB072059	0.31	5.1	2.8	1.6	29	0.4	0.2	4.8	0.289	<0.1	1.3	45	0.7	5.8	0.9	49.5	87.1
109	NB072060	0.49	0.9	0.5	1.5	26	<0.1	<0.1	1.1	0.066	<0.1	0.3	11	0.2	1.8	0.2	53.0	15.8
110	NB072061	1.20	3.8	0.8	4.0	35	0.4	<0.1	2.1	0.346	<0.1	0.8	41	0.8	3.2	0.4	39.6	39.9
111	NB072062	0.43	4.6	1.8	1.9	70	0.4	0.2	4.0	0.244	0.1	1.0	45	0.8	6.9	0.7	42.9	58.2
112	NB072063	0.58	0.6	0.2	1.3	21	<0.1	<0.1	0.7	0.039	<0.1	0.2	9	0.2	1.0	0.1	105.4	8.7
113	NB072064	0.72	3.2	1.8	1.9	32	0.4	0.2	4.1	0.292	0.1	1.2	30	0.8	6.4	0.8	29.8	72.9
114	NB072065	0.37	2.2	1.6	1.4	32	0.3	0.2	2.7	0.205	<0.1	0.9	19	0.6	5.3	0.8	26.8	65.8
115	NB072066	0.75	2.2	1.7	1.1	11	<0.1	0.2	1.7	0.036	<0.1	1.6	7	0.3	4.7	0.5	26.6	9.6
116	NS071001	0.30	0.4	0.2	0.5	23	<0.1	<0.1	0.5	0.031	<0.1	0.2	7	0.2	1.0	0.1	100.8	8.0
117	NS071002	0.69	2.1	1.6	3.0	25	0.2	0.1	3.2	0.183	<0.1	1.1	23	0.5	6.2	0.7	33.3	55.5
118	NS071003	0.50	2.5	2.6	1.1	33	0.4	0.3	5.1	0.266	0.2	1.4	28	0.6	8.7	1.1	29.3	87.5
119	NS071004	0.43	5.0	3.1	1.6	61	0.5	0.3	4.6	0.285	0.1	1.3	55	0.8	7.3	1.0	38.7	87.9
120	NS071005	0.44	5.1	2.7	1.9	69	0.6	0.3	6.0	0.378	0.2	2.0	54	1.0	8.3	1.1	29.0	95.5
121	NS071006	0.37	4.7	2.6	1.5	61	0.5	0.2	4.6	0.369	0.1	1.3	47	0.8	7.4	1.0	46.3	74.7
122	NS071007	0.75	9.1	4.2	3.3	129	0.6	0.3	7.6	0.311	0.1	1.9	69	1.5	7.7	1.1	27.1	79.4
123	NS071008	0.69	7.4	4.5	2.1	94	0.5	0.5	7.9	0.327	0.2	2.0	69	1.2	14.0	1.4	81.3	82.6
124	NS071009	0.56	0.1	0.2	1.4	50	<0.1	<0.1	0.3	0.011	<0.1	0.1	10	0.2	0.6	<0.1	51.5	3.5
125	NS071010	0.39	3.4	2.9	1.5	51	0.5	0.2	5.9	0.430	0.1	1.6	38	0.8	8.0	1.0	22.0	95.3
126	NS071011	0.44	4.9	3.2	1.6	77	0.7	0.3	5.9	0.498	0.2	1.9	76	1.4	9.6	1.4	17.1	155.9
127	NS071012	0.27	1.9	1.2	1.1	83	0.2	0.1	3.1	0.099	<0.1	0.9	18	0.3	3.4	0.5	23.9	33.5
128	NS071013	0.50	3.3	3.4	1.4	61	0.6	0.3	5.9	0.354	0.2	1.8	32	1.0	9.9	1.4	15.5	121.8
129	NS071014	0.50	3.5	2.8	1.5	67	0.7	0.3	6.8	0.418	0.2	2.2	45	1.1	9.6	1.3	20.3	114.1
130	NS071015	0.61	7.3	4.0	2.1	61	0.5	0.4	7.8	0.255	0.2	2.5	60	1.0	12.2	1.7	75.2	90.4
131	NS071016	0.54	3.5	1.6	1.7	65	0.4	0.1	3.7	0.312	0.1	1.4	44	0.8	5.8	0.8	38.2	53.0
132	NS071017	1.05	8.1	4.8	2.6	71	0.8	0.3	7.5	0.453	0.2	2.2	82	1.5	9.8	1.4	16.9	121.4
133	NS071019	0.26	2.6	2.1	2.2	45	0.5	0.2	3.9	0.237	<0.1	1.1	25	1.1	4.7	0.6	22.4	72.2
134	NS071020	0.39	0.9	2.8	2.3	50	0.3	0.2	6.7	0.170	<0.1	1.4	10	0.6	4.9	0.5	14.4	62.0
135	NS071021	0.46	3.5	3.9	2.1	52	0.6	0.3	8.8	0.359	0.1	1.9	38	1.4	8.0	0.7	104.5	72.0
136	NS071022	0.24	3.9	1.7	18.4	59	1.1	0.2	8.9	0.290	0.1	2.6	22	17.7	5.6	0.8	25.1	130.3

PH layer
<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		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
137	NS071023	382	0.43	1.3	<0.1	88	<1	0.10	0.35	0.31	3.95	0.7	4	0.3	5.27	0.2	0.1	<0.1	0.21	1.18
138	NS071024	157	2.84	4.2	<0.1	200	<1	0.08	0.03	0.08	46.51	1.3	27	2.8	6.29	1.6	0.9	0.6	0.74	7.91
139	NS071025	262	3.33	12.8	<0.1	137	<1	0.27	0.13	0.18	25.11	4.0	22	1.9	7.74	1.5	0.9	0.4	2.24	10.04
140	NS071026	193	3.10	14.6	<0.1	153	<1	0.20	0.07	0.17	28.48	2.8	24	1.7	12.94	1.4	0.9	0.4	2.53	8.90
141	NS071027	1127	4.06	9.6	<0.1	204	<1	1.06	0.20	0.31	27.89	2.8	37	4.4	21.12	1.8	1.2	0.5	3.04	12.49
142	NS071028	541	4.60	5.0	<0.1	213	<1	0.30	0.37	0.29	35.52	14.6	34	3.0	16.75	2.1	1.2	0.6	2.44	12.87
143	NS071029	244	5.24	8.0	<0.1	342	1	0.28	0.09	0.10	56.77	4.4	49	3.6	8.71	1.9	1.2	0.6	4.07	18.14
144	NS071030	351	5.99	4.0	<0.1	343	2	0.26	0.56	0.36	109.47	13.9	31	8.0	13.77	3.1	1.6	0.8	3.28	15.38
145	NS071031	231	4.19	5.6	<0.1	239	<1	0.18	0.11	0.13	48.82	3.5	32	3.5	8.98	1.9	1.1	0.5	1.71	12.09
146	NS071032	347	4.12	22.3	<0.1	304	1	0.20	0.10	0.15	38.15	1.7	32	2.6	7.37	1.2	0.7	0.5	2.61	12.57
147	NS071033	219	2.04	1.9	<0.1	187	<1	0.16	0.49	0.35	23.43	4.0	18	1.4	8.96	1.0	0.5	0.3	0.71	5.03
148	NS071034	864	7.35	6.8	<0.1	326	2	0.31	0.23	0.28	46.12	16.9	78	6.5	19.71	1.8	1.2	0.6	3.73	19.93
149	NS071036	301	7.72	16.2	<0.1	419	2	0.34	0.06	0.25	63.41	8.7	82	4.6	15.99	2.2	1.2	1.0	4.44	23.49
150	NS071037	219	5.83	8.5	<0.1	406	<1	0.19	0.07	0.22	32.02	22.3	88	6.2	10.17	2.4	1.4	0.6	6.45	15.64
151	NS071038	225	3.06	4.2	<0.1	167	<1	0.11	0.16	0.14	28.47	4.6	23	2.1	10.89	1.6	0.9	0.4	1.56	7.81
152	NS071039	373	5.00	8.7	<0.1	224	<1	0.26	0.09	0.21	47.31	4.1	47	3.8	14.74	1.7	1.1	0.5	2.41	14.08
153	NS071040	340	7.61	9.5	<0.1	378	2	0.31	0.06	0.27	77.26	12.9	68	6.0	16.46	2.9	1.3	1.1	3.97	19.24
154	NS071041	453	0.79	3.1	<0.1	73	<1	0.20	0.07	0.36	10.13	0.7	6	0.8	8.21	0.3	0.2	0.2	0.40	2.03
155	NS071042	227	2.60	5.2	<0.1	169	<1	0.13	0.06	0.12	35.32	1.2	20	1.4	5.84	1.2	0.8	0.5	0.90	10.38
156	NS071043	171	5.81	13.4	<0.1	380	2	0.20	0.34	0.14	37.13	3.1	31	3.3	10.47	1.1	0.5	0.6	2.38	13.52
157	NS071044	110	6.41	13.4	<0.1	394	2	0.19	0.26	0.09	24.13	6.4	51	5.2	11.80	2.0	1.2	0.3	3.59	18.06
158	NS071045	172	5.02	6.6	<0.1	180	2	0.30	0.45	0.18	35.30	3.9	41	3.0	8.82	1.7	0.9	0.6	3.01	13.23
159	NS071046	91	2.98	1.9	<0.1	155	<1	0.11	0.63	0.19	35.72	1.2	13	0.8	4.48	1.3	0.5	0.5	1.08	9.27
160	NS071047	124	2.75	5.0	<0.1	179	<1	0.17	0.40	0.33	9.61	1.8	27	1.3	7.06	0.6	0.4	0.2	1.83	10.08
161	NS071048																			
162	NS071049	238	4.85	6.4	<0.1	279	<1	0.19	0.17	0.26	32.70	3.6	43	2.8	7.12	1.3	0.7	0.4	2.63	14.39
163	NS071050	500	1.14	3.4	<0.1	76	<1	0.26	0.17	0.33	9.09	6.3	14	0.6	12.82	0.6	0.4	0.2	0.46	2.66
164	NS071052	208	6.17	14.0	<0.1	384	2	0.25	0.12	0.16	30.40	1.9	47	4.6	9.50	1.1	0.7	0.5	2.56	17.30
165	NS071053	141	3.86	3.3	<0.1	267	1	0.13	0.16	0.11	33.92	1.7	27	3.5	4.85	1.2	0.7	0.5	0.65	11.84
166	NS071054	147	7.72	8.2	<0.1	385	1	0.22	0.29	0.09	52.78	11.4	53	6.1	15.02	1.9	0.9	0.7	3.52	18.82
167	NS071055	101	3.70	4.7	<0.1	323	<1	0.12	0.26	0.14	25.70	1.3	7	2.3	4.85	1.1	0.4	0.3	0.72	11.61
168	NS071056	171	6.02	6.6	<0.1	217	1	0.13	1.29	0.31	37.74	22.7	66	3.1	62.22	5.2	3.0	1.4	4.15	14.52
169	NS071057	223	2.71	3.9	<0.1	573	<1	0.13	0.17	0.16	36.47	3.2	21	1.9	9.11	1.3	0.7	0.4	1.05	6.88
170	PE071001	127	4.19	7.8	<0.1	238	<1	0.14	0.12	0.19	73.38	6.4	28	2.8	10.19	1.5	0.7	0.9	1.99	10.07

PH layer
<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		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
137	NS071023	0.2	0.36	<0.1	0.20	2.2	2.3	<0.1	0.07	106	0.42	0.094	1.04	1.6	3.2	0.091	21.87	0.5	7.0	0.15
138	NS071024	2.2	3.30	0.3	1.11	23.4	12.8	0.2	0.11	64	0.77	0.274	11.55	22.0	3.0	0.015	12.78	5.5	52.9	<0.04
139	NS071025	1.6	2.57	0.3	0.73	14.4	18.1	0.2	0.25	417	0.74	0.458	6.92	11.0	6.9	0.037	33.46	3.0	35.0	<0.04
140	NS071026	1.7	1.56	0.3	1.00	15.1	15.7	0.2	0.11	429	1.01	0.290	4.65	10.8	5.6	0.039	78.49	3.3	49.4	0.05
141	NS071027	2.0	2.62	0.4	0.97	14.7	15.8	0.3	0.24	510	0.62	0.337	8.59	13.3	6.5	0.055	40.16	3.5	47.3	0.05
142	NS071028	2.0	2.91	0.4	0.96	18.8	19.4	0.2	0.38	831	1.04	0.869	9.87	15.4	7.7	0.060	39.29	4.4	52.5	<0.04
143	NS071029	2.3	3.25	0.4	1.52	27.2	20.6	0.2	0.32	236	0.75	0.419	11.25	25.3	10.0	0.070	22.79	6.3	80.8	<0.04
144	NS071030	3.6	2.04	0.6	1.07	19.6	65.4	0.2	0.43	2802	4.53	0.752	6.50	18.6	12.5	0.104	29.98	5.1	65.4	0.07
145	NS071031	2.2	3.18	0.4	1.37	24.6	24.3	0.2	0.24	216	0.59	0.627	10.45	20.4	7.3	0.043	21.93	5.6	76.8	<0.04
146	NS071032	2.1	2.14	0.2	1.23	19.2	24.1	0.1	0.21	706	1.42	0.786	7.40	16.2	4.4	0.049	22.66	4.4	51.6	<0.04
147	NS071033	1.1	1.15	0.2	0.50	13.1	8.6	<0.1	0.28	487	1.02	0.385	3.96	10.9	8.2	0.061	45.75	3.0	22.1	0.09
148	NS071034	2.0	2.50	0.4	1.81	25.4	78.4	0.2	0.82	1314	2.13	0.489	12.30	19.9	26.8	0.060	32.58	5.3	114.7	<0.04
149	NS071036	3.6	3.45	0.4	1.83	34.3	57.5	0.2	0.41	560	1.21	0.617	12.72	31.1	18.8	0.053	18.73	8.3	107.2	<0.04
150	NS071037	2.6	2.62	0.5	0.96	15.5	192.0	0.2	1.41	3235	0.65	0.967	9.05	14.3	42.5	0.170	15.21	4.0	50.7	0.04
151	NS071038	1.7	2.72	0.3	0.94	14.6	24.5	0.1	0.29	286	0.27	0.530	9.05	12.9	9.3	0.045	23.10	3.4	53.7	<0.04
152	NS071039	1.8	2.61	0.4	1.35	24.3	29.0	0.2	0.34	217	1.02	0.520	10.23	19.9	9.5	0.064	24.84	5.4	83.8	<0.04
153	NS071040	3.9	3.46	0.4	1.85	39.1	56.7	0.3	0.63	657	0.77	0.674	10.29	36.5	21.0	0.055	25.06	9.4	105.2	<0.04
154	NS071041	0.5	0.55	<0.1	0.34	5.5	4.0	<0.1	0.11	128	0.53	0.134	1.59	5.1	3.0	0.048	40.34	1.3	15.2	0.11
155	NS071042	1.8	2.89	0.2	0.74	17.3	8.4	0.1	0.10	226	0.42	0.740	9.02	15.7	2.6	0.029	10.81	4.3	29.0	<0.04
156	NS071043	2.0	1.75	0.2	2.28	18.3	43.7	0.1	0.27	467	1.47	1.166	5.33	15.4	8.0	0.052	25.31	4.1	91.3	<0.04
157	NS071044	1.5	1.93	0.4	1.78	8.5	42.6	0.2	0.41	3949	0.52	0.749	12.80	8.6	15.3	0.044	18.86	2.0	91.8	<0.04
158	NS071045	2.1	1.31	0.3	0.88	18.4	30.8	0.2	0.26	489	0.39	1.142	8.81	16.9	8.4	0.048	25.57	4.3	37.0	<0.04
159	NS071046	2.5	1.10	0.2	0.50	18.2	6.3	<0.1	0.08	247	0.36	1.166	6.15	15.7	3.1	0.029	16.60	4.5	15.2	<0.04
160	NS071047	0.5	1.09	0.1	0.57	5.1	8.2	<0.1	0.17	388	0.46	0.820	7.98	4.1	4.3	0.024	26.92	1.1	22.8	<0.04
161	NS071048																			
162	NS071049	1.9	2.18	0.3	1.35	15.1	26.3	0.1	0.23	278	0.48	0.520	10.97	15.2	8.3	0.025	22.72	3.5	68.2	<0.04
163	NS071050	0.7	0.33	0.1	0.24	5.6	3.3	<0.1	0.13	161	0.64	0.155	1.53	4.4	13.4	0.118	48.46	1.2	11.1	0.15
164	NS071052	1.6	1.84	0.2	1.78	16.5	28.7	0.1	0.16	497	2.05	0.718	8.13	14.6	4.4	0.038	30.36	3.9	84.8	<0.04
165	NS071053	1.9	2.57	0.2	1.48	18.7	18.5	0.1	0.16	409	1.00	0.848	9.97	15.3	4.0	0.023	15.59	4.1	67.8	<0.04
166	NS071054	2.7	2.23	0.3	1.97	23.7	67.2	0.2	0.51	1839	0.49	0.917	10.24	22.3	27.7	0.033	25.67	5.5	94.2	<0.04
167	NS071055	1.7	1.50	0.2	2.56	12.0	15.1	<0.1	0.10	168	0.35	0.945	6.32	13.4	2.8	0.054	28.55	3.2	75.2	<0.04
168	NS071056	6.0	2.45	1.0	1.11	21.4	46.0	0.4	1.19	1631	0.53	0.665	7.89	28.0	30.4	0.126	17.87	5.9	46.7	0.07
169	NS071057	1.9	2.39	0.3	0.71	17.5	20.2	0.1	0.16	228	0.43	0.353	7.51	17.1	3.6	0.035	23.90	4.1	43.2	0.06
170	PE071001	2.7	2.14	0.3	1.87	39.9	30.0	0.2	0.28	759	0.34	0.352	8.96	34.7	10.9	0.079	11.80	9.6	64.5	<0.04

PH layer
<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		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
137	NS071023	0.32	0.6	0.3	1.4	26	<0.1	<0.1	0.6	0.031	<0.1	0.2	7	0.2	1.3	0.2	34.8	11.9
138	NS071024	0.43	4.3	3.3	1.4	51	0.6	0.2	4.9	0.360	0.2	1.8	39	1.1	8.7	1.2	12.8	112.9
139	NS071025	0.55	4.4	1.6	1.5	45	0.4	0.2	4.1	0.242	0.1	1.3	58	0.7	7.1	1.1	51.2	86.7
140	NS071026	0.64	3.0	1.9	1.7	33	0.3	0.2	3.6	0.149	0.2	2.6	40	0.7	8.5	1.1	53.6	53.2
141	NS071027	1.17	8.2	2.4	2.4	33	0.4	0.3	6.1	0.412	0.2	1.8	71	1.3	11.4	1.5	93.8	93.8
142	NS071028	1.14	6.8	2.7	1.9	84	0.5	0.4	6.8	0.411	0.2	2.3	62	0.9	12.0	1.4	75.4	101.0
143	NS071029	0.58	8.3	3.8	2.3	46	0.6	0.3	7.9	0.396	0.2	2.2	81	0.8	11.8	1.6	25.1	123.1
144	NS071030	0.55	7.5	3.5	1.6	102	0.3	0.5	8.0	0.288	0.2	3.2	82	0.9	13.5	1.8	133.2	74.5
145	NS071031	0.48	5.9	3.4	1.6	75	0.5	0.3	7.0	0.323	0.2	2.0	61	1.0	10.0	1.3	22.2	108.8
146	NS071032	0.52	5.6	2.7	1.5	83	0.4	0.2	4.6	0.252	0.1	1.5	58	0.8	5.6	0.8	23.5	75.8
147	NS071033	0.56	3.2	1.8	1.7	57	0.2	0.2	3.4	0.187	<0.1	1.0	24	0.5	5.2	0.5	37.1	37.8
148	NS071034	0.59	10.0	2.8	2.8	100	0.6	0.3	7.7	0.436	0.2	3.1	92	1.3	11.7	1.5	127.1	89.1
149	NS071036	0.87	11.7	4.8	3.1	87	0.7	0.4	10.5	0.449	0.2	2.8	102	1.3	11.3	1.6	164.1	122.3
150	NS071037	0.63	14.9	2.7	1.8	47	0.5	0.4	4.2	0.456	0.2	1.4	148	0.6	12.0	1.8	223.0	108.2
151	NS071038	0.41	3.6	2.0	1.2	37	0.5	0.2	4.7	0.321	0.2	1.3	48	0.5	8.3	1.1	53.2	93.9
152	NS071039	0.69	6.8	2.7	2.0	74	0.6	0.2	6.7	0.356	0.2	2.1	64	1.0	10.0	1.3	44.3	95.1
153	NS071040	1.00	10.9	5.9	2.6	59	0.5	0.5	10.8	0.342	0.2	2.3	87	0.9	12.7	1.6	71.6	130.7
154	NS071041	0.51	1.0	0.9	1.3	26	<0.1	<0.1	1.2	0.066	<0.1	0.6	11	0.2	1.9	0.2	47.8	19.9
155	NS071042	0.49	3.9	2.5	1.6	57	0.5	0.3	4.6	0.315	0.1	1.4	47	0.7	7.1	1.0	13.3	102.8
156	NS071043	0.35	5.0	2.5	1.7	82	0.3	0.2	5.8	0.212	<0.1	1.5	44	0.6	6.0	0.7	43.3	58.6
157	NS071044	0.23	8.5	1.5	1.8	128	0.8	0.3	5.5	0.520	0.2	1.2	61	1.1	10.9	1.6	45.1	63.9
158	NS071045	0.30	5.3	2.9	2.2	90	0.5	0.3	6.8	0.392	0.1	1.5	60	0.8	7.8	1.0	43.9	44.1
159	NS071046	0.23	1.9	2.7	1.1	114	0.4	0.2	5.9	0.246	<0.1	1.1	27	0.3	4.8	0.5	21.1	38.8
160	NS071047	0.47	4.2	0.7	1.6	82	0.5	<0.1	1.9	0.495	<0.1	0.6	51	0.6	3.5	0.4	24.9	38.9
161	NS071048																	
162	NS071049	0.55	5.4	2.5	2.0	58	0.6	0.2	5.5	0.371	0.1	1.3	55	0.9	7.4	1.0	35.9	75.3
163	NS071050	0.97	1.8	0.8	2.2	30	<0.1	0.1	0.9	0.071	<0.1	0.4	16	0.2	3.9	0.3	45.3	12.0
164	NS071052	0.73	8.7	2.6	2.5	98	0.5	0.2	5.2	0.327	0.1	1.7	71	0.9	6.2	0.9	23.2	67.1
165	NS071053	0.24	4.2	2.4	2.3	64	0.6	0.2	5.9	0.387	0.1	1.6	42	1.1	6.9	0.9	11.9	86.2
166	NS071054	0.52	8.7	3.8	2.0	88	0.5	0.4	6.5	0.367	0.1	1.5	62	1.2	9.2	1.2	62.4	77.2
167	NS071055	0.24	2.1	2.4	2.6	53	0.4	0.2	4.7	0.202	<0.1	1.2	20	0.9	4.8	0.6	22.1	54.2
168	NS071056	0.33	16.2	5.5	1.3	94	0.5	0.8	4.3	0.459	0.4	1.6	177	0.8	29.4	2.9	99.1	82.7
169	NS071057	0.36	3.2	2.8	1.2	52	0.4	0.2	4.3	0.250	0.1	1.3	32	0.7	6.8	1.0	27.6	83.1
170	PE071001	0.54	4.4	4.9	1.6	62	0.5	0.3	6.9	0.442	0.1	1.7	38	0.8	7.7	0.9	37.4	76.8

PH layer
<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		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
171	PE071002	125	3.10	5.8	<0.1	182	<1	0.12	0.08	0.15	55.75	3.7	27	2.2	9.45	1.3	0.5	0.8	1.74	8.60
172	PE071003	152	2.87	4.5	<0.1	208	<1	0.14	0.06	0.10	51.95	3.6	21	2.2	6.93	1.3	0.6	0.6	1.24	7.58
173	PE071004	158	2.71	6.1	<0.1	177	<1	0.16	0.04	0.07	73.33	2.0	19	2.1	6.53	1.2	0.5	0.9	1.02	7.00
174	PE071005	104	1.89	3.7	<0.1	156	<1	0.13	0.05	0.18	59.15	1.4	13	1.6	6.26	1.1	0.4	0.7	0.62	5.56
175	PE071006	123	1.88	2.3	<0.1	153	<1	0.10	0.25	0.50	20.33	2.9	16	1.3	8.79	0.8	0.4	0.3	0.69	5.08
176	PE071007	182	4.96	6.0	<0.1	334	1	0.11	0.22	0.27	52.36	8.6	27	3.0	12.88	1.6	1.0	0.6	2.12	11.10
177	PE071008	112	3.66	4.7	<0.1	243	<1	0.10	0.14	0.11	28.12	5.6	24	2.2	6.83	1.2	0.5	0.3	1.45	8.80
178	PE071009	121	2.37	4.3	<0.1	181	<1	0.20	0.34	0.46	25.66	3.6	21	2.0	11.84	1.0	0.5	0.3	0.85	5.99

PH layer
<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		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
171	PE071002	2.2	1.68	0.2	1.32	30.1	20.6	0.1	0.19	625	0.84	0.305	7.62	25.9	7.3	0.082	20.17	7.0	49.0	0.04
172	PE071003	2.3	1.77	0.2	1.57	24.6	18.5	0.1	0.17	786	0.27	0.261	8.04	24.6	5.7	0.052	17.81	6.4	47.2	<0.04
173	PE071004	2.5	1.62	0.2	1.26	38.0	13.4	0.1	0.11	474	0.23	0.158	7.04	34.0	3.4	0.054	15.95	9.4	46.6	<0.04
174	PE071005	2.4	1.42	0.1	0.95	28.3	9.0	<0.1	0.07	305	0.32	0.174	6.30	27.8	2.5	0.043	23.35	7.1	32.6	0.05
175	PE071006	1.0	1.25	0.1	0.79	11.2	10.5	<0.1	0.21	439	0.57	0.453	4.88	8.7	5.7	0.082	42.45	2.3	30.2	0.09
176	PE071007	1.9	2.54	0.3	1.68	23.2	32.1	0.2	0.47	939	0.29	0.849	9.15	17.6	15.8	0.113	19.38	4.8	72.5	<0.04
177	PE071008	1.3	1.83	0.2	1.78	16.0	18.9	0.1	0.32	745	0.21	0.712	7.57	13.0	10.1	0.066	13.13	3.5	60.6	<0.04
178	PE071009	1.3	1.46	0.2	0.77	14.4	12.4	0.1	0.26	407	0.61	0.350	5.81	10.7	8.6	0.098	58.60	3.0	39.4	0.11

PH layer
<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		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
171	PE071002	0.51	3.2	4.1	1.3	53	0.5	0.3	5.6	0.382	<0.1	1.2	35	0.7	6.3	0.8	27.0	60.8
172	PE071003	0.39	3.1	3.8	1.3	40	0.5	0.3	4.0	0.344	<0.1	0.9	30	0.7	5.7	0.7	26.6	56.2
173	PE071004	0.52	2.9	4.7	1.5	41	0.4	0.3	4.6	0.333	0.1	1.1	27	0.6	6.0	0.7	13.9	57.4
174	PE071005	0.48	2.1	4.5	1.1	38	0.4	0.3	3.5	0.274	<0.1	0.9	19	0.5	4.8	0.6	15.9	49.2
175	PE071006	0.41	2.2	1.4	1.1	35	0.3	0.1	3.0	0.215	<0.1	0.9	20	0.4	4.4	0.5	62.5	43.5
176	PE071007	0.45	5.3	2.7	1.5	56	0.5	0.3	6.7	0.393	0.2	2.1	45	0.7	9.3	1.2	50.8	87.6
177	PE071008	0.31	3.4	2.0	1.2	52	0.4	0.2	4.0	0.266	0.1	1.1	34	0.5	5.7	0.8	30.2	68.1
178	PE071009	0.91	3.0	1.7	1.6	45	0.3	0.2	3.5	0.235	<0.1	1.0	27	0.6	5.6	0.7	82.2	55.5