

C-horizon  
<2mm fraction  
Water Leach

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

Variable	Ag	Al	As	B	Ba	Be	Bi	Br	Ca	Cd	Ce	Cl	Co	Cr	Cs
Unit	ppb	ppm	ppb	ppb	ppb	ppb	ppb	ppm	ppm	ppb	ppb	ppm	ppb	ppb	ppb
Min. Detection Limit	0.4	0.2	8	40	10	0.4	2	2	2	1	0.8	8	4	8	1
Sample Preparation	not milled	not milled	not milled	not milled	not milled	not milled	not milled	not milled	not milled	not milled	not milled	not milled	not milled	not milled	not milled
Dissolution	Water Leach	Water Leach	Water Leach	Water Leach	Water Leach	Water Leach	Water Leach	Water Leach	Water Leach	Water Leach	Water Leach	Water Leach	Water Leach	Water Leach	Water Leach
Instrumentation	ICP-MS	ICP-MS	ICP-MS	ICP-MS	ICP-MS	ICP-MS	ICP-MS	ICP-ES	ICP-ES	ICP-MS	ICP-MS	ICP-ES	ICP-MS	ICP-MS	ICP-MS
Number of Samples	176.0	176.0	176	176	176	176.0	176	176	176	176	176.0	176	176	176	176
Values < Det. Lim.	172.0	0.0	137	104	0	14.0	176	168	6	99	0.0	74	43	77	121
Arithmetic Mean	<0.4	9.8	<8	<40	325	1.2	<2	<2	9	2	26.2	9	12	13	<1
Median	<0.4	8.2	<8	<40	238	1.0	<2	<2	6	<1	20.7	9	7	9	<1
Variance	0.0	48.4	615	668	127903	0.7	0	0	115	13	336.3	28	243	193	4
Standard Deviation	0.0	7.0	25	26	358	0.8	0	1	11	4	18.3	5	16	14	2
Skewness	7.3	1.1	13	2	3	2.3	-	6	3	10	1.0	2	5	4	9
Kurtosis	55.7	1.3	165	6	15	9.9	-	36	12	115	0.5	8	40	21	95
Percentiles															
Minimum Value	<0.4	0.5	<8	<40	19	<0.4	<2	<2	<2	<1	1.4	<8	<4	<8	<1
5th Percentile	<0.4	1.7	<8	<40	45	<0.4	<2	<2	2	<1	5.9	<8	<4	<8	<1
10th Percentile	<0.4	2.5	<8	<40	60	0.4	<2	<2	3	<1	6.9	<8	<4	<8	<1
15th Percentile	<0.4	3.0	<8	<40	81	0.5	<2	<2	3	<1	8.8	<8	<4	<8	<1
25th Percentile	<0.4	4.6	<8	<40	118	0.7	<2	<2	4	<1	12.4	<8	4	<8	<1
35th Percentile	<0.4	5.8	<8	<40	167	0.8	<2	<2	5	<1	15.5	<8	5	<8	<1
50th Percentile	<0.4	8.2	<8	<40	238	1.0	<2	<2	6	<1	20.7	9	7	9	<1
65th Percentile	<0.4	11.5	<8	42	305	1.3	<2	<2	7	<1	27.6	10	11	15	<1
70th Percentile	<0.4	12.5	<8	45	335	1.4	<2	<2	8	<1	32.0	11	13	17	<1
75th Percentile	<0.4	13.3	<8	48	383	1.5	<2	<2	8	2	36.7	12	14	18	<1
80th Percentile	<0.4	14.6	8	54	431	1.7	<2	<2	9	2	41.7	13	16	20	1
90th Percentile	<0.4	18.8	11	65	621	2.2	<2	<2	20	3	54.1	15	23	27	2
95th Percentile	<0.4	23.4	15	79	897	2.6	<2	<2	37	3	62.6	17	35	35	3
98th Percentile	<0.4	27.4	22	117	1452	3.0	<2	3	40	5	69.5	19	56	51	4
99th Percentile	0.4	31.6	27	140	2043	3.5	<2	4	53	9	77.5	25	67	56	6
Maximum Value	0.6	36.2	330	164	2614	6.4	<2	5	74	44	89.3	41	153	122	25

C-horizon  
<2mm fraction  
Water Leach

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

Variable	Cu	Dy	Er	Eu	Fe	Ga	Gd	Ge	Hf	Ho	In	K	La	Li	Lu
Unit	ppb	ppb	ppb	ppb	ppm	ppb	ppb	ppb	ppb	ppb	ppb	ppm	ppb	ppb	ppb
Min. Detection Limit	8	0.4	0.4	0.4	0.4	1	0.4	2	0.8	0.4	1	4	0.8	2	0.4
Sample Preparation	not milled	not milled	not milled	not milled	not milled	not milled	not milled	not milled	not milled	not milled	not milled	not milled	not milled	not milled	not milled
Dissolution	Water Leach	Water Leach	Water Leach	Water Leach	Water Leach	Water Leach	Water Leach	Water Leach	Water Leach	Water Leach	Water Leach	Water Leach	Water Leach	Water Leach	Water Leach
Instrumentation	ICP-MS	ICP-MS	ICP-MS	ICP-MS	ICP-ES	ICP-MS	ICP-MS	ICP-MS	ICP-MS	ICP-MS	ICP-MS	ICP-ES	ICP-MS	ICP-MS	ICP-MS
Number of Samples	176	176.0	176.0	176.0	176.0	176	176.0	176	176.0	176.0	176	176	176.0	176	176.0
Values < Det. Lim.	49	6.0	16.0	43.0	17.0	149	2.0	176	141.0	85.0	176	50	0.0	9	161.0
Arithmetic Mean	26	3.5	1.6	1.1	3.4	<1	4.4	<2	<0.8	0.6	<1	7	11.4	10	<0.4
Median	12	2.3	1.1	0.7	2.5	<1	2.8	<2	<0.8	0.4	<1	6	7.9	8	<0.4
Variance	13559	10.2	2.2	1.1	13.2	0	17.8	0	0.2	0.3	0	24	80.7	65	0.0
Standard Deviation	116	3.2	1.5	1.0	3.6	1	4.2	0	0.5	0.6	0	5	9.0	8	0.1
Skewness	13	1.9	1.7	2.0	4.0	4	2.3	-	3.3	1.8	-	3	1.5	1	3.5
Kurtosis	162	4.6	2.8	5.1	29.1	17	7.7	-	12.4	3.4	-	21	1.9	2	11.4
Percentiles															
Minimum Value	<8	<0.4	<0.4	<0.4	<0.4	<1	<0.4	<2	<0.8	<0.4	<1	<4	0.9	<2	<0.4
5th Percentile	<8	0.6	<0.4	<0.4	<0.4	<1	0.8	<2	<0.8	<0.4	<1	<4	2.8	2	<0.4
10th Percentile	<8	0.8	0.4	<0.4	0.5	<1	1.0	<2	<0.8	<0.4	<1	<4	3.4	3	<0.4
15th Percentile	<8	1.0	0.4	<0.4	0.6	<1	1.2	<2	<0.8	<0.4	<1	<4	3.9	4	<0.4
25th Percentile	<8	1.4	0.6	0.4	1.0	<1	1.6	<2	<0.8	<0.4	<1	<4	5.4	5	<0.4
35th Percentile	10	1.7	0.8	0.5	1.6	<1	1.9	<2	<0.8	<0.4	<1	4	6.3	6	<0.4
50th Percentile	12	2.3	1.1	0.7	2.5	<1	2.8	<2	<0.8	0.4	<1	6	7.9	8	<0.4
65th Percentile	16	3.7	1.8	1.1	3.5	<1	4.3	<2	<0.8	0.7	<1	8	11.8	10	<0.4
70th Percentile	18	4.4	2.0	1.2	3.8	<1	5.4	<2	<0.8	0.8	<1	9	13.0	12	<0.4
75th Percentile	20	5.1	2.2	1.5	4.5	<1	6.3	<2	<0.8	0.9	<1	9	15.4	13	<0.4
80th Percentile	22	5.4	2.7	1.7	5.2	<1	6.8	<2	<0.8	1.0	<1	10	17.5	17	<0.4
90th Percentile	34	8.0	3.6	2.2	7.5	<1	9.1	<2	1.2	1.4	<1	11	25.4	22	<0.4
95th Percentile	48	9.9	4.9	3.2	9.5	2	12.3	<2	1.5	1.8	<1	13	31.1	27	0.6
98th Percentile	72	12.6	5.9	4.1	10.8	2	15.9	<2	2.1	2.4	<1	15	36.5	33	0.7
99th Percentile	168	14.3	6.8	4.5	12.6	3	18.0	<2	3.1	2.6	<1	19	38.9	34	0.8
Maximum Value	1531	19.9	7.6	6.3	34.2	4	29.6	<2	3.3	3.3	<1	45	46.1	44	0.9

C-horizon  
<2mm fraction  
Water Leach

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

Variable	Mg	Mn	Mo	Na	Nb	Nd	Ni	P	Pb	Pr	Rb	Re	S	Sb	Sc
Unit	ppm	ppb	ppb	ppm	ppb	ppb	ppb	ppm	ppb	ppb	ppb	ppb	ppm	ppb	ppm
Min. Detection Limit	0.4	8	4	4	1	0.4	16	4	0.8	0.4	4	0.4	4	1	0.08
Sample Preparation	not milled	not milled	not milled	not milled	not milled	not milled	not milled	not milled	not milled	not milled	not milled	not milled	not milled	not milled	not milled
Dissolution	Water Leach	Water Leach	Water Leach	Water Leach	Water Leach	Water Leach	Water Leach	Water Leach	Water Leach	Water Leach	Water Leach	Water Leach	Water Leach	Water Leach	Water Leach
Instrumentation	ICP-ES	ICP-MS	ICP-MS	ICP-ES	ICP-MS	ICP-MS	ICP-MS	ICP-ES	ICP-MS	ICP-MS	ICP-MS	ICP-MS	ICP-ES	ICP-MS	ICP-ES
Number of Samples	176.0	176	176	176	176	176.0	176	176	176.0	176.0	176	176.0	176	176	176.00
Values < Det. Lim.	4.0	0	170	0	176	0.0	125	175	8.0	2.0	0	176.0	30	167	176.00
Arithmetic Mean	2.3	1329	<4	10	<1	18.9	<16	<4	8.7	4.2	43	<0.4	8	<1	<0.08
Median	1.7	827	<4	9	<1	12.6	<16	<4	4.7	2.8	37	<0.4	7	<1	<0.08
Variance	4.2	2374182	84	25	0	263.2	115	0	225.8	12.1	549	0.0	32	0	0.00
Standard Deviation	2.1	1541	9	5	0	16.2	11	0	15.0	3.5	23	0.0	6	0	0.00
Skewness	3.0	3	13	3	-	1.7	2	13	6.7	1.6	1	-	2	6	-
Kurtosis	11.2	13	165	18	-	3.0	5	176	59.9	2.7	3	-	4	35	-
Percentiles															
Minimum Value	<0.4	68	<4	5	<1	0.9	<16	<4	<0.8	<0.4	7	<0.4	<4	<1	<0.08
5th Percentile	0.5	150	<4	6	<1	3.7	<16	<4	0.8	0.8	14	<0.4	<4	<1	<0.08
10th Percentile	0.8	202	<4	6	<1	4.6	<16	<4	1.1	1.0	17	<0.4	<4	<1	<0.08
15th Percentile	0.9	294	<4	7	<1	5.2	<16	<4	1.2	1.2	20	<0.4	<4	<1	<0.08
25th Percentile	1.1	399	<4	7	<1	7.6	<16	<4	2.2	1.8	27	<0.4	5	<1	<0.08
35th Percentile	1.4	550	<4	8	<1	9.6	<16	<4	3.2	2.1	31	<0.4	6	<1	<0.08
50th Percentile	1.7	827	<4	9	<1	12.6	<16	<4	4.7	2.8	37	<0.4	7	<1	<0.08
65th Percentile	2.1	1207	<4	11	<1	18.4	<16	<4	6.8	4.3	49	<0.4	8	<1	<0.08
70th Percentile	2.3	1448	<4	11	<1	23.5	<16	<4	8.1	5.0	54	<0.4	9	<1	<0.08
75th Percentile	2.5	1702	<4	12	<1	27.8	17	<4	10.3	6.1	58	<0.4	11	<1	<0.08
80th Percentile	2.8	1894	<4	12	<1	30.7	19	<4	11.8	7.0	63	<0.4	12	<1	<0.08
90th Percentile	4.6	2899	<4	15	<1	39.8	28	<4	15.9	8.7	77	<0.4	15	<1	<0.08
95th Percentile	5.8	4200	<4	19	<1	50.5	39	<4	27.5	11.4	82	<0.4	17	<1	<0.08
98th Percentile	9.1	5860	9	23	<1	68.0	47	<4	37.5	14.3	89	<0.4	26	2	<0.08
99th Percentile	12.4	8215	12	28	<1	74.4	56	<4	62.1	16.0	101	<0.4	29	3	<0.08
Maximum Value	13.1	10697	122	45	<1	87.3	61	6	159.3	18.5	165	<0.4	32	4	<0.08

C-horizon  
<2mm fraction  
Water Leach

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

Variable	Se	Si	Sm	Sn	Sr	Ta	Tb	Te	Th	Ti	Tl	Tm	U	V	W
Unit	ppb	ppm	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Min. Detection Limit	80	2	0.4	1	40	0.8	0.4	2	2	40	0.4	0.4	0.4	8	2
Sample Preparation	not milled	not milled	not milled	not milled	not milled	not milled	not milled	not milled	not milled	not milled	not milled	not milled	not milled	not milled	not milled
Dissolution	Water Leach	Water Leach	Water Leach	Water Leach	Water Leach	Water Leach	Water Leach	Water Leach	Water Leach	Water Leach	Water Leach	Water Leach	Water Leach	Water Leach	Water Leach
Instrumentation	ICP-MS	ICP-ES	ICP-MS	ICP-MS	ICP-MS	ICP-MS	ICP-MS	ICP-MS	ICP-MS	ICP-MS	ICP-MS	ICP-MS	ICP-MS	ICP-MS	ICP-MS
Number of Samples	176	176	176.0	176	176	176.0	176.0	176	176	176	176.0	176.0	176.0	176	176
Values < Det. Lim.	176	0	1.0	173	71	176.0	82.0	175	133	93	166.0	146.0	8.0	115	176
Arithmetic Mean	<80	26	4.7	<1	62	<0.8	0.6	<2	<2	87	<0.4	<0.4	2.0	13	<2
Median	<80	23	3.1	<1	45	<0.8	0.4	<2	<2	<40	<0.4	<0.4	1.4	<8	<2
Variance	0	232	18.3	0	7033	0.0	0.4	0	3	21662	0.0	0.0	5.9	774	0
Standard Deviation	0	15	4.3	0	84	0.0	0.6	0	2	147	0.1	0.2	2.4	28	0
Skewness	-	3	1.9	12	6	-	2.0	13	3	6	4.8	2.6	6.0	6	-
Kurtosis	-	18	4.6	151	52	-	5.6	176	14	46	24.7	6.4	49.7	38	-
Percentiles															
Minimum Value	<80	10	<0.4	<1	<40	<0.8	<0.4	<2	<2	<40	<0.4	<0.4	<0.4	<8	<2
5th Percentile	<80	12	0.8	<1	<40	<0.8	<0.4	<2	<2	<40	<0.4	<0.4	0.4	<8	<2
10th Percentile	<80	13	1.1	<1	<40	<0.8	<0.4	<2	<2	<40	<0.4	<0.4	0.5	<8	<2
15th Percentile	<80	15	1.3	<1	<40	<0.8	<0.4	<2	<2	<40	<0.4	<0.4	0.7	<8	<2
25th Percentile	<80	17	1.7	<1	<40	<0.8	<0.4	<2	<2	<40	<0.4	<0.4	0.9	<8	<2
35th Percentile	<80	20	2.2	<1	<40	<0.8	<0.4	<2	<2	<40	<0.4	<0.4	1.1	<8	<2
50th Percentile	<80	23	3.1	<1	45	<0.8	0.4	<2	<2	<40	<0.4	<0.4	1.4	<8	<2
65th Percentile	<80	27	4.7	<1	55	<0.8	0.7	<2	<2	60	<0.4	<0.4	1.9	<8	<2
70th Percentile	<80	29	5.9	<1	57	<0.8	0.8	<2	<2	89	<0.4	<0.4	2.1	9	<2
75th Percentile	<80	31	6.9	<1	65	<0.8	0.9	<2	<2	105	<0.4	<0.4	2.3	10	<2
80th Percentile	<80	34	7.5	<1	74	<0.8	1.0	<2	2	119	<0.4	<0.4	2.6	13	<2
90th Percentile	<80	42	9.9	<1	117	<0.8	1.4	<2	4	191	<0.4	0.5	3.7	22	<2
95th Percentile	<80	50	12.6	<1	164	<0.8	1.8	<2	5	356	0.4	0.7	4.5	32	<2
98th Percentile	<80	60	17.8	<1	243	<0.8	2.3	<2	7	448	0.6	0.8	8.7	99	<2
99th Percentile	<80	77	18.7	<1	343	<0.8	2.6	<2	9	547	0.7	0.9	10.0	165	<2
Maximum Value	<80	136	26.2	3	869	<0.8	4.0	7	12	1479	1.0	1.0	25.1	225	<2

C-horizon  
<2mm fraction  
Water Leach

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

Variable	Y	Yb	Zn	Zr
Unit	ppb	ppb	ppb	ppb
Min. Detection Limit	0.8	0.4	40	4
Sample Preparation	not milled	not milled	not milled	not milled
Dissolution	Water Leach	Water Leach	Water Leach	Water Leach
Instrumentation	ICP-MS	ICP-MS	ICP-MS	ICP-MS
Number of Samples	176.0	176.0	176	176
Values < Det. Lim.	1.0	34.0	141	47
Arithmetic Mean	14.5	1.3	<40	13
Median	8.6	0.9	<40	8
Variance	197.6	1.6	2206	227
Standard Deviation	14.1	1.3	47	15
Skewness	2.2	1.7	8	3
Kurtosis	6.2	3.0	79	11
Percentiles				
Minimum Value	<0.8	<0.4	<40	<4
5th Percentile	2.3	<0.4	<40	<4
10th Percentile	3.4	<0.4	<40	<4
15th Percentile	3.8	<0.4	<40	<4
25th Percentile	5.4	0.5	<40	<4
35th Percentile	6.8	0.7	<40	5
50th Percentile	8.6	0.9	<40	8
65th Percentile	14.7	1.4	<40	12
70th Percentile	17.1	1.6	<40	14
75th Percentile	18.9	1.9	<40	16
80th Percentile	23.2	2.1	<40	18
90th Percentile	32.2	2.9	60	29
95th Percentile	42.5	4.5	89	38
98th Percentile	57.3	5.0	133	58
99th Percentile	64.4	5.4	159	85
Maximum Value	90.5	6.4	540	97

C-horizon  
<2mm fraction  
Water Leach

North American Soil Geochemical Landscapes Project  
Soil Geochemistry Data

Variable Unit Min. Detection Limit Sample Preparation Dissolution Instrumentation		Ag ppb 0.4 not milled Water Leach ICP-MS	Al ppm 0.2 not milled Water Leach ICP-MS	As ppb 8 not milled Water Leach ICP-MS	B ppb 40 not milled Water Leach ICP-MS	Ba ppb 10 not milled Water Leach ICP-MS	Be ppb 0.4 not milled Water Leach ICP-MS	Bi ppb 2 not milled Water Leach ICP-MS	Br ppm 2 not milled Water Leach ICP-ES	Ca ppm 2 not milled Water Leach ICP-ES	Cd ppb 1 not milled Water Leach ICP-MS	Ce ppb 0.8 not milled Water Leach ICP-MS	Cl ppm 8 not milled Water Leach ICP-ES	Co ppb 4 not milled Water Leach ICP-MS	Cr ppb 8 not milled Water Leach ICP-MS	Cs ppb 1 not milled Water Leach ICP-MS	Cu ppb 8 not milled Water Leach ICP-MS
1	NB071001	<0.4	13.0	9	42	502	1.4	<2	<2	6	<1	63.3	11	14	14	<1	13
2	NB071002	<0.4	8.4	9	<40	487	2.7	<2	<2	18	<1	70.0	<8	<4	<8	2	10
3	NB071003	<0.4	4.8	<8	<40	155	0.7	<2	<2	2	<1	19.7	<8	6	<8	<1	12
4	NB071004	<0.4	9.4	<8	<40	223	1.0	<2	<2	5	<1	41.2	<8	<4	<8	2	9
5	NB071005	<0.4	8.8	<8	<40	520	1.2	<2	<2	6	2	28.2	10	5	17	1	10
6	NB071007	<0.4	11.5	10	51	238	2.7	<2	<2	8	3	38.5	<8	35	16	25	58
7	NB071009	<0.4	2.9	<8	<40	636	3.2	<2	<2	8	<1	11.9	<8	12	<8	<1	9
8	NB071010	<0.4	2.4	<8	<40	196	0.7	<2	<2	4	<1	14.2	<8	5	<8	<1	<8
9	NB071011	<0.4	24.1	<8	<40	342	1.7	<2	<2	6	<1	66.2	<8	7	30	1	15
10	NB071012	<0.4	2.3	<8	<40	312	1.3	<2	<2	6	<1	10.9	8	6	<8	<1	9
11	NB071013	<0.4	2.9	<8	<40	405	0.8	<2	<2	3	1	8.9	<8	5	<8	<1	<8
12	NB071014	<0.4	14.5	<8	68	244	0.8	<2	<2	6	2	27.0	11	7	17	<1	<8
13	NB071015	<0.4	21.4	<8	41	141	1.2	<2	<2	8	<1	16.5	<8	7	34	<1	14
14	NB071016	<0.4	5.8	<8	<40	195	0.6	<2	<2	5	5	9.7	10	9	<8	<1	13
15	NB071017	<0.4	18.8	13	41	100	0.8	<2	<2	25	<1	21.3	9	13	26	<1	21
16	NB071018	<0.4	3.2	<8	40	387	1.8	<2	<2	6	<1	29.0	11	<4	<8	2	14
17	NB071019	<0.4	2.4	<8	<40	296	3.0	<2	<2	5	1	2.6	<8	20	<8	<1	<8
18	NB071020	<0.4	14.1	<8	<40	313	1.5	<2	<2	5	<1	67.5	<8	10	15	<1	<8
19	NB071021	<0.4	6.5	<8	48	331	4.5	<2	<2	5	<1	50.9	9	21	<8	1	12
20	NB071022	<0.4	5.7	<8	<40	153	0.6	<2	<2	5	2	11.7	12	6	<8	<1	12
21	NB071023	<0.4	4.4	<8	43	824	3.0	<2	<2	5	3	11.7	<8	48	<8	<1	<8
22	NB071024	<0.4	12.7	9	42	170	1.2	<2	<2	6	<1	22.2	<8	23	16	<1	12
23	NB071025	<0.4	8.9	<8	<40	41	0.5	<2	<2	4	<1	19.2	<8	6	8	<1	17
24	NB071027	<0.4	13.3	<8	<40	171	1.5	<2	<2	32	<1	21.9	8	11	19	1	11
25	NB071028	<0.4	11.5	8	53	166	1.3	<2	<2	20	<1	18.0	9	6	19	1	10
26	NB071029	<0.4	27.3	<8	<40	114	2.0	<2	<2	37	2	54.9	<8	17	56	<1	34
27	NB071030	<0.4	8.5	<8	<40	285	1.1	<2	<2	9	1	27.4	8	12	10	<1	38
28	NB071031	<0.4	6.4	<8	40	272	0.9	<2	<2	5	1	19.8	10	14	9	<1	9
29	NB071032	<0.4	1.7	<8	<40	1204	1.9	<2	<2	6	1	5.6	9	18	<8	<1	<8
30	NB071033	<0.4	9.5	<8	<40	262	2.0	<2	<2	4	44	41.2	<8	<4	30	<1	32
31	NB071034	<0.4	4.5	<8	<40	397	1.6	<2	<2	4	<1	19.8	10	5	<8	<1	<8
32	NB071035	<0.4	2.8	<8	<40	702	1.5	<2	<2	3	4	8.8	<8	11	<8	<1	<8
33	NB071036	<0.4	6.1	18	<40	197	1.5	<2	<2	5	<1	38.7	<8	<4	<8	2	14
34	NB071037	<0.4	2.8	21	<40	163	0.9	<2	<2	9	<1	20.0	<8	6	<8	<1	<8

C-horizon  
<2mm fraction  
Water Leach

North American Soil Geochemical Landscapes Project  
Soil Geochemistry Data

Variable Unit Min. Detection Limit Sample Preparation Dissolution Instrumentation		Dy ppb 0.4 not milled Water Leach ICP-MS	Er ppb 0.4 not milled Water Leach ICP-MS	Eu ppb 0.4 not milled Water Leach ICP-MS	Fe ppm 0.4 not milled Water Leach ICP-ES	Ga ppb 1 not milled Water Leach ICP-MS	Gd ppb 0.4 not milled Water Leach ICP-MS	Ge ppb 2 not milled Water Leach ICP-MS	Hf ppb 0.8 not milled Water Leach ICP-MS	Ho ppb 0.4 not milled Water Leach ICP-MS	In ppb 1 not milled Water Leach ICP-MS	K ppm 4 not milled Water Leach ICP-ES	La ppb 0.8 not milled Water Leach ICP-MS	Li ppb 2 not milled Water Leach ICP-MS	Lu ppb 0.4 not milled Water Leach ICP-MS	Mg ppm 0.4 not milled Water Leach ICP-ES	Mn ppb 8 not milled Water Leach ICP-MS
1	NB071001	5.7	2.9	1.6	5.2	<1	6.7	<2	<0.8	1.1	<1	11	20.8	8	<0.4	5.0	868
2	NB071002	7.0	3.2	2.1	4.3	1	9.2	<2	<0.8	1.2	<1	6	37.8	18	<0.4	6.1	352
3	NB071003	2.3	1.0	0.5	1.2	<1	2.5	<2	<0.8	<0.4	<1	<4	8.0	<2	<0.4	0.9	506
4	NB071004	5.6	2.7	1.4	1.7	<1	6.6	<2	<0.8	1.1	<1	<4	25.6	4	<0.4	0.5	299
5	NB071005	4.8	2.3	1.1	1.9	<1	5.0	<2	<0.8	0.9	<1	4	15.3	8	<0.4	1.6	302
6	NB071007	9.0	4.7	2.7	10.2	<1	12.0	<2	<0.8	1.6	<1	9	12.5	19	0.7	5.0	2899
7	NB071009	1.6	0.7	0.5	0.9	<1	2.0	<2	<0.8	<0.4	<1	11	5.6	14	<0.4	1.0	824
8	NB071010	1.5	0.6	0.4	<0.4	<1	1.6	<2	<0.8	<0.4	<1	<4	5.0	4	<0.4	<0.4	1593
9	NB071011	7.0	3.1	1.9	4.2	<1	8.3	<2	1.2	1.2	<1	7	26.9	13	<0.4	2.0	542
10	NB071012	3.0	1.4	0.6	<0.4	<1	2.9	<2	<0.8	0.5	<1	<4	5.6	6	<0.4	0.7	677
11	NB071013	0.6	<0.4	<0.4	1.0	<1	0.9	<2	<0.8	<0.4	<1	<4	3.1	2	<0.4	0.5	981
12	NB071014	1.9	0.7	0.8	2.0	<1	2.6	<2	<0.8	<0.4	<1	8	11.1	6	<0.4	0.8	618
13	NB071015	2.2	1.0	0.7	4.6	2	2.9	<2	<0.8	<0.4	<1	<4	7.1	19	<0.4	2.4	458
14	NB071016	1.0	0.5	<0.4	0.9	<1	1.2	<2	<0.8	<0.4	<1	<4	4.2	7	<0.4	0.9	1301
15	NB071017	3.8	1.8	1.0	7.3	<1	4.1	<2	0.9	0.7	<1	<4	8.2	2	<0.4	2.0	926
16	NB071018	2.3	1.0	0.7	2.0	<1	3.4	<2	<0.8	0.4	<1	7	11.6	14	<0.4	2.4	286
17	NB071019	<0.4	<0.4	<0.4	0.5	<1	<0.4	<2	<0.8	<0.4	<1	9	1.0	9	<0.4	2.6	409
18	NB071020	5.4	2.3	2.1	7.0	<1	8.1	<2	<0.8	1.0	<1	7	26.9	9	<0.4	1.1	824
19	NB071021	5.3	3.2	1.0	2.8	<1	5.3	<2	<0.8	1.1	<1	5	13.8	27	0.5	2.0	4183
20	NB071022	1.7	0.9	0.4	0.7	<1	1.6	<2	<0.8	<0.4	<1	4	4.8	5	<0.4	0.9	191
21	NB071023	1.5	0.8	<0.4	<0.4	<1	1.6	<2	<0.8	<0.4	<1	<4	8.3	9	<0.4	1.0	2048
22	NB071024	4.2	2.2	1.1	5.7	<1	4.8	<2	<0.8	0.8	<1	5	9.1	6	<0.4	1.2	2503
23	NB071025	1.4	0.7	<0.4	1.0	<1	1.4	<2	<0.8	<0.4	<1	<4	6.8	6	<0.4	0.5	651
24	NB071027	14.1	7.3	3.9	3.1	<1	15.2	<2	1.3	2.6	<1	<4	33.5	<2	0.9	1.1	1471
25	NB071028	7.1	3.5	2.0	3.4	<1	8.5	<2	<0.8	1.3	<1	<4	20.4	<2	0.4	2.2	699
26	NB071029	8.1	3.6	2.1	7.9	1	8.2	<2	1.8	1.5	<1	<4	17.6	3	<0.4	2.7	1211
27	NB071030	3.3	1.8	0.9	2.2	<1	3.8	<2	1.1	0.7	<1	7	6.9	6	<0.4	2.4	1477
28	NB071031	2.0	1.0	0.5	1.5	<1	2.3	<2	<0.8	<0.4	<1	5	5.6	4	<0.4	1.8	3164
29	NB071032	0.9	0.4	<0.4	<0.4	<1	1.0	<2	<0.8	<0.4	<1	5	4.3	9	<0.4	2.1	1886
30	NB071033	4.5	1.9	1.4	5.1	<1	5.9	<2	1.6	0.8	<1	9	12.3	19	<0.4	1.1	68
31	NB071034	2.6	1.2	1.0	1.6	<1	3.7	<2	<0.8	0.5	<1	9	7.9	6	<0.4	1.6	395
32	NB071035	0.5	<0.4	<0.4	<0.4	<1	0.8	<2	<0.8	<0.4	<1	7	3.4	4	<0.4	0.6	618
33	NB071036	4.1	2.1	1.3	2.4	<1	5.4	<2	<0.8	0.8	<1	10	12.8	21	<0.4	1.4	376
34	NB071037	1.9	0.8	0.6	2.0	<1	2.7	<2	<0.8	<0.4	<1	8	7.3	7	<0.4	3.0	104

C-horizon  
<2mm fraction  
Water Leach

North American Soil Geochemical Landscapes Project  
Soil Geochemistry Data

Variable Unit Min. Detection Limit Sample Preparation Dissolution Instrumentation		Mo ppb 4 not milled Water Leach ICP-MS	Na ppm 4 not milled Water Leach ICP-ES	Nb ppb 1 not milled Water Leach ICP-MS	Nd ppb 0.4 not milled Water Leach ICP-MS	Ni ppb 16 not milled Water Leach ICP-MS	P ppm 4 not milled Water Leach ICP-ES	Pb ppb 0.8 not milled Water Leach ICP-MS	Pr ppb 0.4 not milled Water Leach ICP-MS	Rb ppb 4 not milled Water Leach ICP-MS	Re ppb 0.4 not milled Water Leach ICP-MS	S ppm 4 not milled Water Leach ICP-ES	Sb ppb 1 not milled Water Leach ICP-MS	Sc ppm 0.08 not milled Water Leach ICP-ES	Se ppb 80 not milled Water Leach ICP-MS	Si ppm 2 not milled Water Leach ICP-ES	Sm ppb 0.4 not milled Water Leach ICP-MS
1	NB071001	<4	10	<1	31.6	<16	<4	8.5	7.3	81	<0.4	7	<1	<0.08	<80	27	7.4
2	NB071002	<4	15	<1	46.6	<16	<4	8.4	11.3	19	<0.4	5	<1	<0.08	<80	37	10.0
3	NB071003	<4	7	<1	11.9	<16	<4	2.8	2.8	40	<0.4	5	<1	<0.08	<80	27	2.8
4	NB071004	<4	6	<1	30.2	<16	<4	2.1	7.3	36	<0.4	<4	<1	<0.08	<80	29	6.9
5	NB071005	<4	10	<1	20.1	<16	<4	5.4	4.8	77	<0.4	7	<1	<0.08	<80	31	5.1
6	NB071007	<4	9	<1	38.9	<16	<4	24.9	7.5	50	<0.4	<4	4	<0.08	<80	12	12.2
7	NB071009	10	6	<1	8.9	20	<4	3.2	2.0	71	<0.4	15	3	<0.08	<80	25	2.1
8	NB071010	<4	5	<1	6.9	<16	<4	0.9	1.6	30	<0.4	6	<1	<0.08	<80	12	1.7
9	NB071011	<4	8	<1	36.5	17	<4	11.8	8.6	66	<0.4	<4	<1	<0.08	<80	36	8.9
10	NB071012	<4	7	<1	9.5	<16	<4	1.7	2.1	28	<0.4	11	<1	<0.08	<80	21	2.8
11	NB071013	<4	6	<1	4.8	<16	<4	2.3	1.2	48	<0.4	7	<1	<0.08	<80	25	1.0
12	NB071014	<4	6	<1	15.8	<16	<4	5.0	3.7	86	<0.4	5	<1	<0.08	<80	28	3.4
13	NB071015	<4	7	<1	10.6	17	<4	5.1	2.3	31	<0.4	<4	<1	<0.08	<80	13	2.6
14	NB071016	<4	8	<1	5.0	19	<4	2.1	1.2	31	<0.4	5	<1	<0.08	<80	21	1.1
15	NB071017	<4	9	<1	12.9	<16	<4	9.3	2.9	22	<0.4	<4	<1	<0.08	<80	18	3.7
16	NB071018	<4	11	<1	17.8	<16	<4	4.6	4.2	19	<0.4	<4	<1	<0.08	<80	12	4.1
17	NB071019	<4	7	<1	1.7	39	<4	0.9	<0.4	77	<0.4	23	<1	<0.08	<80	31	0.4
18	NB071020	<4	7	<1	43.1	<16	<4	8.4	9.8	63	<0.4	8	<1	<0.08	<80	24	9.3
19	NB071021	<4	8	<1	24.6	<16	<4	10.1	5.7	99	<0.4	9	<1	<0.08	<80	25	6.1
20	NB071022	<4	6	<1	7.1	<16	<4	1.0	1.7	33	<0.4	7	<1	<0.08	<80	29	1.8
21	NB071023	<4	10	<1	7.0	22	<4	2.3	1.8	43	<0.4	22	<1	<0.08	<80	30	1.5
22	NB071024	<4	11	<1	16.3	19	<4	6.4	3.6	39	<0.4	9	<1	<0.08	<80	17	4.7
23	NB071025	<4	7	<1	7.7	<16	<4	6.7	1.9	60	<0.4	4	<1	<0.08	<80	11	1.6
24	NB071027	<4	8	<1	53.1	<16	<4	15.1	11.8	14	<0.4	<4	<1	<0.08	<80	21	13.9
25	NB071028	<4	6	<1	32.6	<16	<4	13.9	7.0	17	<0.4	<4	<1	<0.08	<80	21	8.3
26	NB071029	<4	10	<1	27.8	16	<4	13.5	6.1	17	<0.4	4	<1	<0.08	<80	37	7.6
27	NB071030	<4	9	<1	13.7	<16	<4	10.3	2.9	17	<0.4	5	<1	<0.08	<80	30	3.8
28	NB071031	<4	8	<1	8.3	18	<4	2.8	1.8	27	<0.4	9	<1	<0.08	<80	30	2.1
29	NB071032	<4	9	<1	4.0	<16	<4	3.2	1.0	52	<0.4	15	<1	<0.08	<80	56	1.0
30	NB071033	<4	8	<1	28.1	<16	<4	12.1	6.1	70	<0.4	6	<1	<0.08	<80	12	7.0
31	NB071034	<4	6	<1	17.5	<16	<4	3.7	3.7	45	<0.4	8	<1	<0.08	<80	17	4.5
32	NB071035	<4	5	<1	4.2	<16	<4	1.9	1.0	77	<0.4	12	<1	<0.08	<80	29	1.0
33	NB071036	<4	11	<1	22.9	<16	<4	5.9	5.0	30	<0.4	8	2	<0.08	<80	24	5.8
34	NB071037	<4	6	<1	12.4	<16	<4	9.3	2.8	13	<0.4	9	<1	<0.08	<80	14	3.0



C-horizon  
<2mm fraction  
Water Leach

North American Soil Geochemical Landscapes Project  
Soil Geochemistry Data

Variable Unit Min. Detection Limit Sample Preparation Dissolution Instrumentation		Sn ppb 1 not milled Water Leach ICP-MS	Sr ppb 40 not milled Water Leach ICP-MS	Ta ppb 0.8 not milled Water Leach ICP-MS	Tb ppb 0.4 not milled Water Leach ICP-MS	Te ppb 2 not milled Water Leach ICP-MS	Th ppb 2 not milled Water Leach ICP-MS	Ti ppb 40 not milled Water Leach ICP-MS	Tl ppb 0.4 not milled Water Leach ICP-MS	Tm ppb 0.4 not milled Water Leach ICP-MS	U ppb 0.4 not milled Water Leach ICP-MS	V ppb 8 not milled Water Leach ICP-MS	W ppb 2 not milled Water Leach ICP-MS	Y ppb 0.8 not milled Water Leach ICP-MS	Yb ppb 0.4 not milled Water Leach ICP-MS	Zn ppb 40 not milled Water Leach ICP-MS	Zr ppb 4 not milled Water Leach ICP-MS
1	NB071001	<1	64	<0.8	1.0	<2	<2	271	<0.4	<0.4	2.1	<8	<2	24.8	2.3	<40	18
2	NB071002	<1	96	<0.8	1.3	<2	<2	114	<0.4	0.4	1.2	26	<2	29.8	2.6	<40	5
3	NB071003	<1	<40	<0.8	0.4	<2	<2	196	<0.4	<0.4	0.8	<8	<2	8.4	0.8	<40	15
4	NB071004	<1	74	<0.8	1.0	<2	3	173	<0.4	0.4	4.1	<8	<2	26.1	2.5	<40	5
5	NB071005	<1	75	<0.8	0.9	<2	5	136	<0.4	<0.4	5.3	8	<2	17.8	2.0	<40	16
6	NB071007	<1	56	<0.8	1.7	<2	<2	97	<0.4	0.7	5.8	<8	<2	32.2	5.0	68	15
7	NB071009	<1	42	<0.8	<0.4	<2	<2	<40	<0.4	<0.4	1.0	10	<2	7.3	0.6	<40	<4
8	NB071010	<1	<40	<0.8	<0.4	<2	<2	<40	<0.4	<0.4	0.9	<8	<2	5.4	0.5	<40	4
9	NB071011	<1	74	<0.8	1.3	<2	3	176	<0.4	0.4	3.6	<8	<2	26.5	2.6	<40	28
10	NB071012	<1	57	<0.8	0.5	<2	<2	<40	<0.4	<0.4	1.2	<8	<2	10.9	1.2	48	<4
11	NB071013	<1	87	<0.8	<0.4	<2	<2	<40	<0.4	<0.4	0.8	<8	<2	2.4	<0.4	<40	5
12	NB071014	<1	59	<0.8	<0.4	<2	<2	<40	<0.4	<0.4	1.3	<8	<2	6.8	0.6	<40	9
13	NB071015	<1	52	<0.8	<0.4	<2	3	221	<0.4	<0.4	3.7	17	<2	8.6	0.8	<40	10
14	NB071016	<1	<40	<0.8	<0.4	<2	<2	62	<0.4	<0.4	0.9	<8	<2	4.4	<0.4	54	4
15	NB071017	<1	105	<0.8	0.7	<2	<2	154	<0.4	<0.4	2.0	8	<2	15.2	1.5	<40	24
16	NB071018	<1	172	<0.8	0.5	<2	<2	41	<0.4	<0.4	2.5	12	<2	8.3	0.8	<40	4
17	NB071019	<1	77	<0.8	<0.4	<2	<2	<40	<0.4	<0.4	<0.4	<8	<2	1.1	<0.4	<40	<4
18	NB071020	<1	<40	<0.8	1.1	<2	2	51	<0.4	<0.4	2.1	<8	<2	21.9	1.8	<40	16
19	NB071021	<1	<40	<0.8	0.9	<2	<2	55	<0.4	0.5	25.1	<8	<2	23.2	3.5	<40	14
20	NB071022	<1	42	<0.8	<0.4	<2	<2	66	<0.4	<0.4	0.8	<8	<2	7.7	0.7	<40	<4
21	NB071023	<1	48	<0.8	<0.4	<2	<2	<40	<0.4	<0.4	0.6	<8	<2	7.8	0.7	57	<4
22	NB071024	<1	<40	<0.8	0.8	<2	<2	186	<0.4	<0.4	1.7	<8	<2	17.5	2.1	<40	20
23	NB071025	<1	<40	<0.8	<0.4	<2	3	115	<0.4	<0.4	2.2	10	<2	5.1	0.5	<40	6
24	NB071027	<1	248	<0.8	2.4	<2	2	49	<0.4	1.0	1.7	<8	<2	63.2	6.3	540	39
25	NB071028	<1	174	<0.8	1.2	<2	<2	172	<0.4	0.5	2.0	11	<2	35.8	3.1	<40	23
26	NB071029	<1	146	<0.8	1.4	<2	4	321	<0.4	0.5	2.0	19	<2	29.8	2.9	<40	44
27	NB071030	<1	78	<0.8	0.6	<2	<2	126	<0.4	<0.4	2.1	<8	<2	12.7	1.8	<40	29
28	NB071031	<1	<40	<0.8	<0.4	<2	<2	53	<0.4	<0.4	0.9	<8	<2	7.8	0.8	<40	9
29	NB071032	<1	55	<0.8	<0.4	<2	<2	<40	<0.4	<0.4	0.5	<8	<2	4.8	<0.4	<40	<4
30	NB071033	<1	<40	<0.8	0.9	<2	5	<40	<0.4	<0.4	4.4	<8	<2	14.8	1.6	<40	37
31	NB071034	<1	<40	<0.8	0.5	<2	<2	<40	<0.4	<0.4	1.7	<8	<2	9.2	1.0	<40	7
32	NB071035	<1	41	<0.8	<0.4	<2	<2	<40	<0.4	<0.4	0.5	<8	<2	1.9	<0.4	<40	<4
33	NB071036	<1	<40	<0.8	0.8	<2	<2	155	<0.4	<0.4	1.1	19	<2	17.6	1.9	<40	8
34	NB071037	<1	<40	<0.8	<0.4	<2	<2	<40	<0.4	<0.4	0.8	15	<2	7.7	0.6	<40	<4

C-horizon  
<2mm fraction  
Water Leach

North American Soil Geochemical Landscapes Project  
Soil Geochemistry Data

Variable Unit Min. Detection Limit Sample Preparation Dissolution Instrumentation		Ag ppb 0.4 not milled Water Leach ICP-MS	Al ppm 0.2 not milled Water Leach ICP-MS	As ppb 8 not milled Water Leach ICP-MS	B ppb 40 not milled Water Leach ICP-MS	Ba ppb 10 not milled Water Leach ICP-MS	Be ppb 0.4 not milled Water Leach ICP-MS	Bi ppb 2 not milled Water Leach ICP-MS	Br ppm 2 not milled Water Leach ICP-ES	Ca ppm 2 not milled Water Leach ICP-ES	Cd ppb 1 not milled Water Leach ICP-MS	Ce ppb 0.8 not milled Water Leach ICP-MS	Cl ppm 8 not milled Water Leach ICP-ES	Co ppb 4 not milled Water Leach ICP-MS	Cr ppb 8 not milled Water Leach ICP-MS	Cs ppb 1 not milled Water Leach ICP-MS	Cu ppb 8 not milled Water Leach ICP-MS
35	NB071038	<0.4	4.4	<8	<40	219	1.6	<2	<2	9	3	16.1	<8	11	8	<1	12
36	NB071039	<0.4	14.8	<8	42	412	1.8	<2	<2	3	<1	45.4	<8	<4	19	3	40
37	NB071040	<0.4	3.7	<8	<40	96	0.9	<2	<2	9	3	6.0	9	<4	<8	1	<8
38	NB071041	<0.4	6.3	11	<40	294	1.5	<2	<2	5	<1	45.2	<8	5	<8	4	13
39	NB071042	<0.4	4.8	<8	<40	105	0.5	<2	2	8	3	13.5	13	<4	9	<1	21
40	NB071043	<0.4	23.0	<8	54	233	0.8	<2	<2	9	16	21.3	<8	6	15	2	15
41	NB071044	<0.4	6.7	<8	<40	96	<0.4	<2	<2	4	<1	11.9	<8	<4	<8	<1	18
42	NB071045	<0.4	7.0	<8	<40	744	0.8	<2	<2	4	<1	13.5	<8	<4	<8	<1	<8
43	NB071046	<0.4	4.7	<8	<40	255	0.7	<2	<2	3	2	19.4	8	<4	<8	<1	10
44	NB071047	<0.4	5.7	<8	<40	615	2.2	<2	<2	3	3	58.6	<8	7	10	<1	28
45	NB071048	<0.4	6.2	<8	<40	171	1.0	<2	<2	4	<1	24.7	9	5	11	<1	16
46	NB071049	<0.4	5.4	<8	55	557	0.6	<2	<2	2	1	41.7	10	6	<8	<1	19
47	NB071050	<0.4	15.2	<8	<40	278	2.5	<2	5	5	1	89.3	14	28	31	2	22
48	NB071051	<0.4	15.7	<8	<40	116	1.1	<2	<2	11	<1	30.6	<8	<4	25	1	14
49	NB071052	<0.4	10.2	<8	<40	119	0.9	<2	<2	8	<1	18.7	9	7	14	<1	45
50	NB071054	<0.4	15.1	<8	<40	169	1.4	<2	<2	17	<1	32.0	<8	14	16	<1	14
51	NB071055	<0.4	27.4	9	164	46	<0.4	<2	<2	32	1	10.6	18	11	122	<1	31
52	NB071056	<0.4	3.8	<8	56	144	0.7	<2	<2	7	1	8.5	16	6	15	<1	10
53	NB072001	<0.4	0.8	<8	54	957	0.9	<2	<2	4	1	4.8	10	9	<8	<1	<8
54	NB072002	<0.4	3.7	10	<40	382	0.7	<2	<2	6	<1	22.9	9	9	<8	<1	19
55	NB072003	<0.4	12.1	<8	<40	270	1.1	<2	<2	8	2	37.6	10	19	18	<1	15
56	NB072004	<0.4	13.0	11	41	417	1.6	<2	<2	11	4	49.0	14	38	26	<1	23
57	NB072005	<0.4	5.7	<8	<40	971	1.9	<2	<2	7	4	13.6	10	20	<8	<1	<8
58	NB072006	<0.4	25.4	11	55	591	2.0	<2	<2	8	1	58.4	14	13	28	1	16
59	NB072007	0.4	5.8	<8	105	468	1.2	<2	<2	62	<1	34.5	11	15	9	1	33
60	NB072009	<0.4	10.2	<8	<40	371	1.5	<2	<2	11	1	62.4	<8	23	26	1	20
61	NB072010	<0.4	14.6	<8	<40	877	1.9	<2	<2	15	<1	49.0	10	7	22	<1	9
62	NB072011	<0.4	2.4	<8	<40	314	1.5	<2	4	4	1	18.5	15	10	<8	<1	<8
63	NB072012	<0.4	2.7	<8	<40	287	2.6	<2	<2	5	3	28.2	10	6	<8	<1	<8
64	NB072013	<0.4	10.0	<8	<40	2095	0.9	<2	<2	3	<1	65.1	<8	4	<8	<1	<8
65	NB072014	<0.4	22.0	<8	47	618	1.3	<2	<2	5	<1	16.3	<8	7	25	<1	13
66	NB072015	<0.4	17.4	<8	41	88	0.7	<2	<2	37	<1	31.2	<8	<4	40	<1	20
67	NB072016	<0.4	23.1	<8	53	290	2.0	<2	<2	22	<1	76.9	<8	68	47	10	47
68	NB072017	<0.4	15.0	<8	<40	411	0.8	<2	<2	15	2	19.9	<8	6	21	<1	15

C-horizon  
<2mm fraction  
Water Leach

North American Soil Geochemical Landscapes Project  
Soil Geochemistry Data

Variable Unit Min. Detection Limit Sample Preparation Dissolution Instrumentation		Dy ppb 0.4 not milled Water Leach ICP-MS	Er ppb 0.4 not milled Water Leach ICP-MS	Eu ppb 0.4 not milled Water Leach ICP-MS	Fe ppm 0.4 not milled Water Leach ICP-ES	Ga ppb 1 not milled Water Leach ICP-MS	Gd ppb 0.4 not milled Water Leach ICP-MS	Ge ppb 2 not milled Water Leach ICP-MS	Hf ppb 0.8 not milled Water Leach ICP-MS	Ho ppb 0.4 not milled Water Leach ICP-MS	In ppb 1 not milled Water Leach ICP-MS	K ppm 4 not milled Water Leach ICP-ES	La ppb 0.8 not milled Water Leach ICP-MS	Li ppb 2 not milled Water Leach ICP-MS	Lu ppb 0.4 not milled Water Leach ICP-MS	Mg ppm 0.4 not milled Water Leach ICP-ES	Mn ppb 8 not milled Water Leach ICP-MS
35	NB071038	1.6	0.7	0.5	1.9	<1	1.8	<2	<0.8	<0.4	<1	7	4.7	6	<0.4	2.3	1176
36	NB071039	8.2	3.2	2.8	4.3	<1	11.3	<2	3.3	1.4	<1	14	13.3	18	<0.4	1.5	212
37	NB071040	1.5	0.9	<0.4	<0.4	<1	1.3	<2	<0.8	<0.4	<1	<4	3.0	4	<0.4	1.2	781
38	NB071041	5.5	2.9	1.6	3.7	<1	7.2	<2	<0.8	1.0	<1	<4	20.1	13	<0.4	2.2	441
39	NB071042	3.2	1.8	0.5	1.2	<1	2.6	<2	<0.8	0.6	<1	<4	5.8	6	<0.4	1.7	222
40	NB071043	1.6	0.8	0.5	6.1	2	1.9	<2	<0.8	<0.4	<1	11	8.1	6	<0.4	2.9	649
41	NB071044	1.9	1.1	0.4	0.6	<1	2.0	<2	<0.8	0.4	<1	<4	6.1	<2	<0.4	1.3	78
42	NB071045	1.6	0.8	0.4	1.0	<1	1.9	<2	<0.8	<0.4	<1	<4	6.1	12	<0.4	<0.4	308
43	NB071046	2.1	0.8	0.7	1.7	<1	2.9	<2	<0.8	<0.4	<1	4	5.1	7	<0.4	1.2	380
44	NB071047	10.5	5.3	4.3	1.9	<1	15.8	<2	1.1	2.0	<1	9	15.0	16	0.6	1.3	730
45	NB071048	2.0	0.9	0.8	3.0	<1	3.0	<2	1.3	<0.4	<1	9	6.6	17	<0.4	1.0	190
46	NB071049	6.4	2.8	2.2	2.0	<1	8.9	<2	<0.8	1.1	<1	6	13.2	4	<0.4	1.0	794
47	NB071050	8.1	3.3	2.1	3.8	<1	9.1	<2	2.2	1.4	<1	27	22.4	5	<0.4	2.7	2673
48	NB071051	5.2	2.1	1.6	4.0	<1	6.3	<2	1.0	0.9	<1	7	11.0	5	<0.4	1.6	189
49	NB071052	3.3	1.6	1.0	7.1	<1	3.8	<2	<0.8	0.6	<1	<4	6.7	7	<0.4	1.1	462
50	NB071054	7.9	4.1	1.7	7.8	<1	8.0	<2	0.8	1.5	<1	<4	16.3	5	0.5	3.9	931
51	NB071055	1.7	1.0	0.5	4.8	2	1.7	<2	<0.8	<0.4	<1	<4	4.3	3	<0.4	10.3	1159
52	NB071056	1.1	0.6	<0.4	0.6	<1	1.1	<2	<0.8	<0.4	<1	<4	3.7	4	<0.4	1.6	143
53	NB072001	<0.4	<0.4	<0.4	<0.4	<1	0.6	<2	<0.8	<0.4	<1	5	2.0	5	<0.4	0.8	3350
54	NB072002	5.4	3.0	1.2	0.8	<1	6.2	<2	<0.8	1.1	<1	<4	22.3	2	<0.4	1.3	1289
55	NB072003	4.6	2.2	1.1	4.2	1	4.7	<2	<0.8	0.8	<1	11	11.1	3	<0.4	1.8	1665
56	NB072004	5.8	2.8	1.2	3.2	<1	6.5	<2	0.9	1.1	<1	10	23.8	3	<0.4	2.9	5589
57	NB072005	1.6	0.8	0.4	0.9	<1	1.7	<2	<0.8	<0.4	<1	13	7.3	7	<0.4	1.9	1197
58	NB072006	5.6	2.7	1.2	5.7	2	6.1	<2	0.9	1.0	<1	5	25.4	5	<0.4	2.2	924
59	NB072007	10.5	5.5	3.0	3.3	<1	11.1	<2	<0.8	2.0	<1	4	23.7	4	0.7	5.0	758
60	NB072009	7.1	3.3	2.5	3.8	<1	9.3	<2	0.9	1.3	<1	6	19.3	4	<0.4	1.8	965
61	NB072010	7.2	3.4	2.1	3.8	<1	8.5	<2	1.1	1.3	<1	9	26.0	2	<0.4	3.1	799
62	NB072011	1.3	0.6	<0.4	2.7	<1	1.5	<2	<0.8	<0.4	<1	<4	6.5	<2	<0.4	0.7	1495
63	NB072012	3.1	1.8	0.4	<0.4	<1	2.7	<2	<0.8	0.7	<1	8	10.7	13	<0.4	1.6	1902
64	NB072013	3.6	1.6	1.0	1.3	<1	4.3	<2	<0.8	0.6	<1	5	36.8	8	<0.4	<0.4	549
65	NB072014	1.6	0.7	0.4	6.9	1	1.5	<2	<0.8	<0.4	<1	4	5.5	5	<0.4	1.4	371
66	NB072015	9.2	5.3	3.7	5.3	2	10.6	<2	3.1	1.9	<1	<4	36.2	<2	0.7	8.0	353
67	NB072016	14.9	6.0	5.0	9.3	1	18.6	<2	<0.8	2.5	<1	10	32.0	9	0.6	6.8	1650
68	NB072017	1.9	0.9	0.6	5.2	<1	2.2	<2	<0.8	<0.4	<1	10	9.2	4	<0.4	4.5	966

C-horizon  
<2mm fraction  
Water Leach

North American Soil Geochemical Landscapes Project  
Soil Geochemistry Data

Variable Unit Min. Detection Limit Sample Preparation Dissolution Instrumentation		Mo ppb 4 not milled Water Leach ICP-MS	Na ppm 4 not milled Water Leach ICP-ES	Nb ppb 1 not milled Water Leach ICP-MS	Nd ppb 0.4 not milled Water Leach ICP-MS	Ni ppb 16 not milled Water Leach ICP-MS	P ppm 4 not milled Water Leach ICP-ES	Pb ppb 0.8 not milled Water Leach ICP-MS	Pr ppb 0.4 not milled Water Leach ICP-MS	Rb ppb 4 not milled Water Leach ICP-MS	Re ppb 0.4 not milled Water Leach ICP-MS	S ppm 4 not milled Water Leach ICP-ES	Sb ppb 1 not milled Water Leach ICP-MS	Sc ppm 0.08 not milled Water Leach ICP-ES	Se ppb 80 not milled Water Leach ICP-MS	Si ppm 2 not milled Water Leach ICP-ES	Sm ppb 0.4 not milled Water Leach ICP-MS
35	NB071038	<4	5	<1	9.2	<16	<4	4.1	2.0	69	<0.4	16	<1	<0.08	<80	16	2.3
36	NB071039	<4	10	<1	38.4	<16	<4	10.4	7.7	56	<0.4	<4	<1	<0.08	<80	20	12.4
37	NB071040	<4	6	<1	4.6	<16	<4	1.4	1.0	77	<0.4	5	<1	<0.08	<80	25	1.2
38	NB071041	<4	14	<1	31.8	<16	<4	6.9	7.0	31	<0.4	6	<1	<0.08	<80	24	7.9
39	NB071042	<4	9	<1	10.1	<16	<4	1.2	2.3	28	<0.4	8	<1	<0.08	<80	46	2.7
40	NB071043	<4	10	<1	10.0	<16	<4	12.0	2.6	61	<0.4	7	<1	<0.08	<80	52	2.1
41	NB071044	<4	9	<1	9.1	<16	<4	1.7	2.0	9	<0.4	<4	<1	<0.08	<80	13	2.1
42	NB071045	<4	5	<1	7.4	<16	<4	1.2	1.8	55	<0.4	<4	<1	<0.08	<80	21	1.8
43	NB071046	<4	10	<1	13.9	<16	<4	5.7	2.9	35	<0.4	10	<1	<0.08	<80	13	3.4
44	NB071047	<4	7	<1	63.0	<16	<4	6.2	11.7	57	<0.4	8	<1	<0.08	<80	15	19.1
45	NB071048	<4	10	<1	16.1	<16	<4	11.4	3.6	66	<0.4	6	<1	<0.08	<80	18	4.1
46	NB071049	<4	7	<1	37.5	<16	<4	15.8	7.5	64	<0.4	6	<1	<0.08	<80	21	10.0
47	NB071050	<4	5	<1	30.7	21	<4	11.7	6.9	25	<0.4	<4	<1	<0.08	<80	18	8.4
48	NB071051	<4	7	<1	23.7	<16	<4	5.3	4.8	25	<0.4	<4	<1	<0.08	<80	23	6.6
49	NB071052	<4	6	<1	13.0	23	<4	5.0	2.7	22	<0.4	5	<1	<0.08	<80	10	3.7
50	NB071054	<4	7	<1	28.0	17	<4	14.4	6.1	32	<0.4	8	2	<0.08	<80	17	7.3
51	NB071055	<4	20	<1	6.7	22	<4	4.6	1.5	11	<0.4	32	<1	<0.08	<80	107	1.7
52	NB071056	<4	15	<1	4.9	17	<4	1.2	1.1	25	<0.4	16	<1	<0.08	<80	53	1.1
53	NB072001	<4	8	<1	3.3	<16	<4	1.1	0.8	61	<0.4	12	<1	<0.08	<80	23	0.8
54	NB072002	<4	9	<1	29.5	<16	<4	6.4	7.0	27	<0.4	5	<1	<0.08	<80	21	6.5
55	NB072003	<4	11	<1	18.4	<16	<4	13.6	4.1	37	<0.4	7	<1	<0.08	<80	29	4.7
56	NB072004	<4	12	<1	29.1	19	<4	7.4	6.9	88	<0.4	11	<1	<0.08	<80	29	6.2
57	NB072005	<4	10	<1	8.0	22	<4	4.7	1.9	84	<0.4	26	<1	<0.08	<80	37	1.9
58	NB072006	<4	13	<1	29.8	<16	<4	26.9	7.4	61	<0.4	6	<1	<0.08	<80	50	6.9
59	NB072007	<4	9	<1	40.7	<16	<4	12.6	8.6	7	<0.4	<4	<1	<0.08	<80	23	10.4
60	NB072009	<4	10	<1	44.0	18	<4	13.8	9.2	25	<0.4	6	<1	<0.08	<80	22	10.3
61	NB072010	<4	11	<1	41.1	<16	<4	6.9	9.4	39	<0.4	9	<1	<0.08	<80	40	9.1
62	NB072011	<4	7	<1	7.7	<16	<4	<0.8	1.8	63	<0.4	6	<1	<0.08	<80	42	1.7
63	NB072012	<4	7	<1	12.8	<16	<4	5.0	3.1	77	<0.4	15	<1	<0.08	<80	41	2.9
64	NB072013	<4	6	<1	33.1	<16	<4	4.3	9.2	82	<0.4	6	<1	<0.08	<80	31	6.1
65	NB072014	<4	6	<1	7.1	20	<4	7.9	1.7	41	<0.4	5	<1	<0.08	<80	34	1.7
66	NB072015	<4	12	<1	57.1	<16	<4	2.7	12.8	16	<0.4	5	<1	<0.08	<80	136	11.7
67	NB072016	<4	10	<1	70.4	30	<4	26.7	14.6	24	<0.4	5	<1	<0.08	<80	34	18.5
68	NB072017	<4	7	<1	12.2	25	<4	3.7	2.9	33	<0.4	7	<1	<0.08	<80	43	2.7

C-horizon  
<2mm fraction  
Water Leach

North American Soil Geochemical Landscapes Project  
Soil Geochemistry Data

Variable Unit Min. Detection Limit Sample Preparation Dissolution Instrumentation		Sn ppb 1 not milled Water Leach ICP-MS	Sr ppb 40 not milled Water Leach ICP-MS	Ta ppb 0.8 not milled Water Leach ICP-MS	Tb ppb 0.4 not milled Water Leach ICP-MS	Te ppb 2 not milled Water Leach ICP-MS	Th ppb 2 not milled Water Leach ICP-MS	Ti ppb 40 not milled Water Leach ICP-MS	Tl ppb 0.4 not milled Water Leach ICP-MS	Tm ppb 0.4 not milled Water Leach ICP-MS	U ppb 0.4 not milled Water Leach ICP-MS	V ppb 8 not milled Water Leach ICP-MS	W ppb 2 not milled Water Leach ICP-MS	Y ppb 0.8 not milled Water Leach ICP-MS	Yb ppb 0.4 not milled Water Leach ICP-MS	Zn ppb 40 not milled Water Leach ICP-MS	Zr ppb 4 not milled Water Leach ICP-MS
35	NB071038	<1	48	<0.8	<0.4	<2	<2	<40	<0.4	<0.4	1.1	<8	<2	5.8	0.6	<40	7
36	NB071039	<1	<40	<0.8	1.6	<2	11	93	<0.4	0.4	3.5	10	<2	26.8	2.5	<40	87
37	NB071040	<1	209	<0.8	<0.4	<2	<2	44	<0.4	<0.4	1.8	<8	<2	7.9	0.9	<40	<4
38	NB071041	<1	<40	<0.8	1.0	<2	<2	376	<0.4	<0.4	0.5	23	<2	25.6	2.4	<40	<4
39	NB071042	<1	<40	<0.8	0.5	<2	<2	<40	<0.4	<0.4	1.2	<8	<2	12.2	1.8	<40	<4
40	NB071043	<1	46	<0.8	<0.4	<2	<2	397	<0.4	<0.4	1.2	25	<2	7.2	0.7	<40	12
41	NB071044	<1	<40	<0.8	<0.4	<2	<2	261	<0.4	<0.4	1.6	18	<2	10.1	0.9	<40	6
42	NB071045	<1	41	<0.8	<0.4	<2	<2	73	<0.4	<0.4	1.3	<8	<2	6.8	0.5	<40	<4
43	NB071046	<1	<40	<0.8	<0.4	7	<2	<40	<0.4	<0.4	2.0	9	<2	7.2	0.6	<40	17
44	NB071047	<1	<40	<0.8	2.1	<2	2	<40	<0.4	0.7	4.3	<8	<2	35.9	4.8	<40	30
45	NB071048	<1	<40	<0.8	0.4	<2	3	<40	<0.4	<0.4	5.3	<8	<2	6.6	0.8	<40	37
46	NB071049	1	<40	<0.8	1.3	<2	<2	<40	<0.4	<0.4	1.5	<8	<2	24.5	2.1	<40	10
47	NB071050	<1	<40	<0.8	1.5	<2	6	79	<0.4	0.4	2.8	9	<2	28.3	2.3	<40	63
48	NB071051	<1	<40	<0.8	0.9	<2	2	60	<0.4	<0.4	2.1	<8	<2	16.2	1.7	<40	26
49	NB071052	<1	53	<0.8	0.6	<2	<2	89	<0.4	<0.4	<0.4	<8	<2	13.8	1.3	43	8
50	NB071054	<1	46	<0.8	1.3	<2	<2	106	<0.4	0.6	4.0	<8	<2	32.8	3.6	<40	20
51	NB071055	<1	142	<0.8	<0.4	<2	<2	112	<0.4	<0.4	2.7	31	<2	8.2	0.9	141	7
52	NB071056	<1	63	<0.8	<0.4	<2	<2	<40	<0.4	<0.4	0.6	<8	<2	5.3	0.5	<40	<4
53	NB072001	<1	<40	<0.8	<0.4	<2	<2	<40	<0.4	<0.4	<0.4	<8	<2	1.3	<0.4	<40	<4
54	NB072002	<1	56	<0.8	1.0	<2	<2	109	<0.4	0.4	2.0	<8	<2	27.2	2.6	<40	10
55	NB072003	<1	<40	<0.8	0.8	<2	<2	540	<0.4	<0.4	1.2	16	<2	18.5	1.7	<40	17
56	NB072004	<1	58	<0.8	1.0	<2	<2	453	<0.4	<0.4	2.4	21	<2	28.4	2.2	56	20
57	NB072005	<1	72	<0.8	<0.4	<2	<2	<40	0.6	<0.4	1.4	<8	<2	6.5	0.7	44	5
58	NB072006	<1	57	<0.8	1.0	<2	4	201	<0.4	<0.4	3.9	8	<2	22.7	2.3	<40	20
59	NB072007	<1	296	<0.8	1.8	<2	<2	<40	<0.4	0.7	1.0	<8	<2	58.8	4.5	<40	14
60	NB072009	<1	96	<0.8	1.3	<2	<2	48	<0.4	0.4	1.2	<8	<2	28.7	2.5	<40	24
61	NB072010	<1	123	<0.8	1.3	<2	<2	369	<0.4	0.5	1.5	14	<2	28.5	2.7	<40	26
62	NB072011	<1	107	<0.8	<0.4	<2	<2	<40	<0.4	<0.4	0.7	<8	<2	5.5	0.5	<40	<4
63	NB072012	<1	<40	<0.8	0.5	<2	<2	<40	<0.4	<0.4	1.5	<8	<2	13.7	1.3	56	<4
64	NB072013	<1	61	<0.8	0.7	<2	6	<40	<0.4	<0.4	3.1	<8	<2	12.3	1.3	<40	7
65	NB072014	<1	<40	<0.8	<0.4	<2	2	203	<0.4	<0.4	1.2	10	<2	5.8	0.6	<40	17
66	NB072015	<1	869	<0.8	1.6	<2	<2	1479	<0.4	0.8	2.8	225	<2	47.0	4.8	<40	97
67	NB072016	<1	161	<0.8	2.8	<2	<2	48	<0.4	0.8	2.6	9	<2	55.8	4.6	<40	15
68	NB072017	<1	96	<0.8	<0.4	<2	<2	49	<0.4	<0.4	1.0	<8	<2	8.3	0.7	<40	7

C-horizon  
<2mm fraction  
Water Leach

North American Soil Geochemical Landscapes Project  
Soil Geochemistry Data

Variable Unit Min. Detection Limit Sample Preparation Dissolution Instrumentation		Ag ppb 0.4 not milled Water Leach ICP-MS	Al ppm 0.2 not milled Water Leach ICP-MS	As ppb 8 not milled Water Leach ICP-MS	B ppb 40 not milled Water Leach ICP-MS	Ba ppb 10 not milled Water Leach ICP-MS	Be ppb 0.4 not milled Water Leach ICP-MS	Bi ppb 2 not milled Water Leach ICP-MS	Br ppm 2 not milled Water Leach ICP-ES	Ca ppm 2 not milled Water Leach ICP-ES	Cd ppb 1 not milled Water Leach ICP-MS	Ce ppb 0.8 not milled Water Leach ICP-MS	Cl ppm 8 not milled Water Leach ICP-ES	Co ppb 4 not milled Water Leach ICP-MS	Cr ppb 8 not milled Water Leach ICP-MS	Cs ppb 1 not milled Water Leach ICP-MS	Cu ppb 8 not milled Water Leach ICP-MS
69	NB072018	<0.4	12.9	<8	47	360	1.3	<2	<2	7	<1	22.1	<8	9	19	<1	23
70	NB072019	<0.4	18.7	<8	63	143	1.2	<2	<2	20	<1	27.7	11	7	57	<1	21
71	NB072020	<0.4	9.4	<8	<40	279	0.5	<2	<2	5	<1	14.5	<8	15	23	<1	<8
72	NB072021	<0.4	1.8	<8	<40	325	0.7	<2	<2	9	<1	13.8	<8	<4	<8	<1	<8
73	NB072022	<0.4	8.5	<8	<40	278	1.6	<2	<2	4	<1	20.4	<8	<4	11	1	34
74	NB072023	<0.4	10.8	<8	62	77	0.7	<2	<2	3	<1	59.4	16	29	21	<1	21
75	NB072024	<0.4	2.6	<8	<40	624	0.9	<2	<2	6	3	10.8	15	23	<8	<1	144
76	NB072026	<0.4	11.4	<8	63	625	1.3	<2	<2	7	<1	45.0	12	7	14	<1	11
77	NB072027	<0.4	7.0	<8	<40	154	1.1	<2	<2	3	<1	27.7	12	7	<8	<1	16
78	NB072028	<0.4	2.1	<8	<40	107	0.7	<2	<2	8	1	8.0	<8	7	<8	<1	<8
79	NB072029	<0.4	5.7	<8	<40	465	1.4	<2	<2	7	<1	18.1	<8	20	<8	<1	<8
80	NB072030	<0.4	12.1	<8	44	161	0.8	<2	<2	7	1	18.9	11	35	8	<1	<8
81	NB072031	<0.4	5.9	<8	67	265	0.7	<2	<2	6	<1	46.9	13	4	17	<1	64
82	NB072032	<0.4	5.9	<8	<40	791	1.3	<2	<2	3	<1	20.9	<8	9	<8	<1	35
83	NB072033	<0.4	5.5	<8	<40	197	0.5	<2	<2	<2	<1	26.9	<8	9	<8	<1	239
84	NB072034	<0.4	18.0	<8	<40	174	0.7	<2	<2	13	1	20.1	14	22	23	<1	22
85	NB072035	<0.4	13.3	<8	<40	246	0.5	<2	<2	9	2	11.4	41	24	16	<1	11
86	NB072036	<0.4	20.0	8	<40	20	0.5	<2	<2	14	<1	5.9	<8	12	17	<1	10
87	NB072037	<0.4	18.8	11	70	248	1.0	<2	<2	37	2	8.6	11	16	19	<1	18
88	NB072038	<0.4	9.9	<8	90	265	1.0	<2	<2	8	3	16.0	18	66	24	<1	15
89	NB072039	<0.4	11.2	<8	<40	108	<0.4	<2	<2	9	3	6.1	<8	5	16	<1	13
90	NB072040	<0.4	13.3	<8	74	160	0.6	<2	<2	7	<1	8.7	15	12	19	<1	11
91	NB072041	<0.4	17.3	10	56	429	1.1	<2	<2	30	<1	10.2	16	29	45	<1	17
92	NB072042	0.4	17.9	13	42	213	1.3	<2	<2	17	<1	16.5	9	16	33	<1	18
93	NB072043	0.6	16.0	15	72	108	1.3	<2	<2	74	<1	21.2	9	13	24	<1	22
94	NB072044	<0.4	11.9	<8	<40	319	0.8	<2	<2	7	2	24.0	12	7	8	<1	<8
95	NB072045	<0.4	0.6	<8	<40	560	1.8	<2	<2	4	2	5.4	<8	7	<8	<1	<8
96	NB072046	<0.4	10.4	<8	<40	487	1.7	<2	<2	3	<1	35.1	11	8	<8	2	21
97	NB072047	<0.4	4.4	<8	<40	244	1.1	<2	<2	2	<1	23.5	9	5	<8	<1	13
98	NB072048	<0.4	5.1	<8	<40	278	1.1	<2	<2	3	1	19.7	<8	18	<8	<1	<8
99	NB072050	<0.4	7.9	<8	61	431	1.3	<2	<2	7	<1	41.1	12	<4	18	1	20
100	NB072051	<0.4	5.9	<8	<40	546	1.0	<2	<2	6	2	9.7	9	16	<8	<1	<8
101	NB072052	<0.4	2.5	<8	<40	370	1.0	<2	<2	2	3	10.6	<8	4	<8	<1	<8
102	NB072053	<0.4	9.0	<8	<40	192	0.6	<2	<2	7	<1	13.9	<8	9	<8	<1	<8

C-horizon  
<2mm fraction  
Water Leach

North American Soil Geochemical Landscapes Project  
Soil Geochemistry Data

Variable Unit Min. Detection Limit Sample Preparation Dissolution Instrumentation		Dy ppb 0.4 not milled Water Leach ICP-MS	Er ppb 0.4 not milled Water Leach ICP-MS	Eu ppb 0.4 not milled Water Leach ICP-MS	Fe ppm 0.4 not milled Water Leach ICP-ES	Ga ppb 1 not milled Water Leach ICP-MS	Gd ppb 0.4 not milled Water Leach ICP-MS	Ge ppb 2 not milled Water Leach ICP-MS	Hf ppb 0.8 not milled Water Leach ICP-MS	Ho ppb 0.4 not milled Water Leach ICP-MS	In ppb 1 not milled Water Leach ICP-MS	K ppm 4 not milled Water Leach ICP-ES	La ppb 0.8 not milled Water Leach ICP-MS	Li ppb 2 not milled Water Leach ICP-MS	Lu ppb 0.4 not milled Water Leach ICP-MS	Mg ppm 0.4 not milled Water Leach ICP-ES	Mn ppb 8 not milled Water Leach ICP-MS
69	NB072018	2.3	1.1	0.6	3.5	<1	2.5	<2	<0.8	0.4	<1	7	7.8	3	<0.4	2.2	999
70	NB072019	7.5	3.6	2.0	8.4	<1	8.1	<2	1.2	1.4	<1	8	28.5	6	<0.4	4.8	118
71	NB072020	1.2	0.5	0.5	2.9	<1	1.7	<2	<0.8	<0.4	<1	<4	11.9	8	<0.4	1.5	784
72	NB072021	2.3	1.1	0.7	0.6	<1	2.7	<2	<0.8	<0.4	<1	8	6.6	8	<0.4	1.9	1706
73	NB072022	2.6	1.0	1.1	2.6	<1	4.0	<2	0.9	0.4	<1	15	5.9	33	<0.4	1.4	189
74	NB072023	5.4	2.3	2.1	3.2	<1	7.9	<2	1.3	1.0	<1	13	20.6	6	<0.4	1.4	1271
75	NB072024	0.8	0.4	<0.4	<0.4	<1	1.0	<2	<0.8	<0.4	<1	11	5.0	4	<0.4	1.5	4778
76	NB072026	4.4	1.8	1.7	3.7	<1	6.8	<2	<0.8	0.8	<1	5	17.5	7	<0.4	1.3	675
77	NB072027	2.5	1.2	1.1	1.9	<1	3.6	<2	<0.8	0.5	<1	13	8.8	13	<0.4	2.0	666
78	NB072028	1.4	0.7	<0.4	0.6	<1	1.6	<2	<0.8	<0.4	<1	6	6.0	4	<0.4	1.4	2330
79	NB072029	1.6	0.8	0.6	1.7	<1	2.2	<2	<0.8	<0.4	<1	11	6.4	4	<0.4	1.8	3131
80	NB072030	0.7	<0.4	<0.4	5.8	<1	1.0	<2	<0.8	<0.4	<1	5	8.8	10	<0.4	2.0	7921
81	NB072031	3.9	1.5	1.6	3.2	<1	5.7	<2	<0.8	0.7	<1	5	15.3	10	<0.4	0.9	399
82	NB072032	1.8	0.9	0.6	1.9	<1	2.4	<2	<0.8	<0.4	<1	6	7.8	5	<0.4	1.1	1201
83	NB072033	1.1	0.4	0.5	1.4	<1	1.7	<2	<0.8	<0.4	<1	5	8.3	3	<0.4	0.5	2044
84	NB072034	2.4	1.1	0.7	6.1	<1	3.0	<2	<0.8	0.4	<1	5	8.0	12	<0.4	2.4	1021
85	NB072035	1.3	0.5	<0.4	2.5	<1	1.5	<2	<0.8	<0.4	<1	13	4.4	13	<0.4	2.4	1850
86	NB072036	1.0	0.4	<0.4	8.2	<1	0.9	<2	<0.8	<0.4	<1	4	1.7	7	<0.4	0.6	467
87	NB072037	1.6	0.8	<0.4	10.2	<1	1.6	<2	<0.8	<0.4	<1	5	3.8	7	<0.4	4.9	2525
88	NB072038	1.5	0.7	0.5	1.9	<1	1.9	<2	<0.8	<0.4	<1	8	7.1	25	<0.4	3.8	9096
89	NB072039	0.7	<0.4	<0.4	2.7	<1	0.7	<2	<0.8	<0.4	<1	7	3.0	10	<0.4	1.7	442
90	NB072040	1.0	0.5	<0.4	5.5	<1	1.3	<2	<0.8	<0.4	<1	5	3.5	11	<0.4	2.1	1126
91	NB072041	1.1	0.6	<0.4	12.9	4	1.5	<2	<0.8	<0.4	<1	14	4.6	30	<0.4	13.1	1875
92	NB072042	10.4	5.3	3.1	3.8	<1	12.7	<2	0.9	2.0	<1	5	17.0	3	0.7	2.8	827
93	NB072043	4.3	2.3	1.2	12.5	1	5.0	<2	1.5	0.8	<1	4	8.9	5	<0.4	6.4	1227
94	NB072044	1.5	0.7	0.6	4.7	<1	1.9	<2	<0.8	<0.4	<1	5	8.3	3	<0.4	1.3	1429
95	NB072045	<0.4	<0.4	<0.4	<0.4	<1	0.5	<2	<0.8	<0.4	<1	4	3.9	3	<0.4	1.0	2213
96	NB072046	3.3	1.4	1.1	3.0	<1	4.8	<2	<0.8	0.6	<1	10	14.1	28	<0.4	2.4	372
97	NB072047	1.8	0.7	0.9	2.1	<1	2.8	<2	<0.8	<0.4	<1	8	7.4	9	<0.4	1.5	303
98	NB072048	1.1	0.5	0.5	1.4	<1	1.8	<2	<0.8	<0.4	<1	9	6.3	5	<0.4	0.9	1267
99	NB072050	5.8	2.5	2.2	5.4	<1	8.6	<2	1.9	1.0	<1	14	12.0	23	<0.4	1.9	168
100	NB072051	1.0	<0.4	<0.4	1.6	<1	1.4	<2	<0.8	<0.4	<1	10	3.8	7	<0.4	1.6	1700
101	NB072052	1.4	0.6	0.5	0.5	<1	1.9	<2	<0.8	<0.4	<1	15	3.8	3	<0.4	2.3	1002
102	NB072053	1.8	0.9	0.5	1.5	<1	1.8	<2	<0.8	<0.4	<1	<4	6.1	3	<0.4	0.9	551

C-horizon  
<2mm fraction  
Water Leach

North American Soil Geochemical Landscapes Project  
Soil Geochemistry Data

Variable Unit Min. Detection Limit Sample Preparation Dissolution Instrumentation		Mo ppb 4 not milled Water Leach ICP-MS	Na ppm 4 not milled Water Leach ICP-ES	Nb ppb 1 not milled Water Leach ICP-MS	Nd ppb 0.4 not milled Water Leach ICP-MS	Ni ppb 16 not milled Water Leach ICP-MS	P ppm 4 not milled Water Leach ICP-ES	Pb ppb 0.8 not milled Water Leach ICP-MS	Pr ppb 0.4 not milled Water Leach ICP-MS	Rb ppb 4 not milled Water Leach ICP-MS	Re ppb 0.4 not milled Water Leach ICP-MS	S ppm 4 not milled Water Leach ICP-ES	Sb ppb 1 not milled Water Leach ICP-MS	Sc ppm 0.08 not milled Water Leach ICP-ES	Se ppb 80 not milled Water Leach ICP-MS	Si ppm 2 not milled Water Leach ICP-ES	Sm ppb 0.4 not milled Water Leach ICP-MS
69	NB072018	<4	6	<1	10.9	22	<4	4.6	2.5	56	<0.4	4	<1	<0.08	<80	33	2.5
70	NB072019	<4	10	<1	37.8	26	<4	6.3	8.9	43	<0.4	4	<1	<0.08	<80	17	8.2
71	NB072020	<4	6	<1	12.8	46	<4	3.2	3.2	28	<0.4	<4	<1	<0.08	<80	25	2.4
72	NB072021	<4	5	<1	11.9	<16	<4	3.4	2.5	42	<0.4	14	<1	<0.08	<80	18	3.3
73	NB072022	<4	10	<1	16.0	<16	<4	5.2	3.2	45	<0.4	5	<1	<0.08	<80	19	4.8
74	NB072023	<4	40	<1	41.5	<16	<4	7.2	9.1	73	<0.4	17	<1	<0.08	<80	26	9.8
75	NB072024	<4	23	<1	6.5	<16	<4	2.1	1.5	44	<0.4	25	<1	<0.08	<80	40	1.2
76	NB072026	<4	11	<1	33.3	17	<4	4.0	7.0	70	<0.4	11	<1	<0.08	<80	30	7.8
77	NB072027	<4	12	<1	18.2	<16	<4	6.0	4.0	42	<0.4	8	<1	<0.08	<80	16	4.6
78	NB072028	<4	8	<1	7.5	<16	<4	<0.8	1.8	59	<0.4	11	<1	<0.08	<80	25	1.7
79	NB072029	<4	8	<1	11.7	<16	<4	3.0	2.6	75	<0.4	16	<1	<0.08	<80	22	2.4
80	NB072030	<4	8	<1	7.0	<16	<4	2.8	1.8	59	<0.4	13	<1	<0.08	<80	45	1.3
81	NB072031	<4	8	<1	27.4	<16	<4	1.1	6.2	75	<0.4	7	<1	<0.08	<80	46	6.8
82	NB072032	<4	8	<1	12.9	<16	<4	5.1	2.9	54	<0.4	7	<1	<0.08	<80	20	2.7
83	NB072033	<4	8	<1	12.0	61	<4	9.0	2.8	58	<0.4	5	<1	<0.08	<80	27	2.4
84	NB072034	<4	11	<1	11.5	30	<4	6.4	2.6	36	<0.4	6	<1	<0.08	<80	22	2.6
85	NB072035	<4	24	<1	6.3	30	<4	5.9	1.4	34	<0.4	7	<1	<0.08	<80	22	1.6
86	NB072036	<4	8	<1	3.0	<16	<4	7.4	0.6	14	<0.4	<4	<1	<0.08	<80	19	0.9
87	NB072037	<4	11	<1	5.3	58	<4	11.4	1.2	31	<0.4	30	2	<0.08	<80	21	1.4
88	NB072038	<4	15	<1	9.7	44	<4	2.4	2.2	106	<0.4	8	<1	<0.08	<80	44	2.2
89	NB072039	<4	9	<1	3.4	<16	<4	2.9	0.8	32	<0.4	<4	<1	<0.08	<80	14	0.8
90	NB072040	<4	13	<1	5.1	40	<4	3.0	1.2	44	<0.4	7	<1	<0.08	<80	26	1.3
91	NB072041	<4	13	<1	7.1	37	<4	6.3	1.6	19	<0.4	7	<1	<0.08	<80	16	1.5
92	NB072042	<4	10	<1	42.3	<16	<4	29.9	8.2	20	<0.4	<4	<1	<0.08	<80	25	12.7
93	NB072043	<4	11	<1	16.8	27	<4	14.1	3.6	29	<0.4	28	2	<0.08	<80	13	4.6
94	NB072044	<4	11	<1	12.2	<16	<4	2.3	3.0	35	<0.4	8	<1	<0.08	<80	27	2.6
95	NB072045	<4	8	<1	3.1	<16	<4	<0.8	0.8	50	<0.4	12	<1	<0.08	<80	32	0.5
96	NB072046	<4	11	<1	21.7	<16	<4	21.0	4.8	42	<0.4	6	<1	<0.08	<80	29	5.4
97	NB072047	<4	9	<1	16.7	<16	<4	6.9	3.5	38	<0.4	6	<1	<0.08	<80	15	4.1
98	NB072048	<4	6	<1	11.6	<16	<4	11.4	2.6	55	<0.4	6	<1	<0.08	<80	21	2.4
99	NB072050	<4	12	<1	31.6	<16	<4	14.1	6.3	77	<0.4	5	<1	<0.08	<80	20	9.1
100	NB072051	<4	10	<1	6.9	17	<4	3.4	1.5	64	<0.4	15	<1	<0.08	<80	35	1.7
101	NB072052	<4	7	<1	8.7	<16	<4	2.3	1.8	53	<0.4	11	<1	<0.08	<80	17	2.0
102	NB072053	<4	8	<1	8.0	<16	<4	0.9	1.9	41	<0.4	7	<1	<0.08	<80	31	1.8



C-horizon  
<2mm fraction  
Water Leach

North American Soil Geochemical Landscapes Project  
Soil Geochemistry Data

Variable Unit Min. Detection Limit Sample Preparation Dissolution Instrumentation		Sn ppb 1 not milled Water Leach ICP-MS	Sr ppb 40 not milled Water Leach ICP-MS	Ta ppb 0.8 not milled Water Leach ICP-MS	Tb ppb 0.4 not milled Water Leach ICP-MS	Te ppb 2 not milled Water Leach ICP-MS	Th ppb 2 not milled Water Leach ICP-MS	Ti ppb 40 not milled Water Leach ICP-MS	Tl ppb 0.4 not milled Water Leach ICP-MS	Tm ppb 0.4 not milled Water Leach ICP-MS	U ppb 0.4 not milled Water Leach ICP-MS	V ppb 8 not milled Water Leach ICP-MS	W ppb 2 not milled Water Leach ICP-MS	Y ppb 0.8 not milled Water Leach ICP-MS	Yb ppb 0.4 not milled Water Leach ICP-MS	Zn ppb 40 not milled Water Leach ICP-MS	Zr ppb 4 not milled Water Leach ICP-MS
69	NB072018	<1	67	<0.8	0.4	<2	<2	119	<0.4	<0.4	1.3	<8	<2	9.5	0.9	<40	12
70	NB072019	<1	110	<0.8	1.2	<2	<2	443	<0.4	0.5	3.3	13	<2	32.1	3.0	<40	25
71	NB072020	<1	54	<0.8	<0.4	<2	<2	<40	<0.4	<0.4	0.6	<8	<2	4.8	<0.4	<40	<4
72	NB072021	<1	48	<0.8	0.4	<2	<2	<40	<0.4	<0.4	0.4	<8	<2	7.3	0.9	<40	<4
73	NB072022	<1	<40	<0.8	0.5	<2	2	<40	<0.4	<0.4	2.7	<8	<2	8.2	0.8	<40	28
74	NB072023	<1	<40	<0.8	1.1	<2	4	46	<0.4	<0.4	2.8	<8	<2	18.5	1.9	<40	28
75	NB072024	<1	48	<0.8	<0.4	<2	<2	<40	<0.4	<0.4	0.5	<8	<2	3.8	<0.4	<40	<4
76	NB072026	<1	43	<0.8	0.9	<2	<2	<40	<0.4	<0.4	1.4	<8	<2	17.7	1.3	<40	10
77	NB072027	<1	<40	<0.8	0.5	<2	<2	40	<0.4	<0.4	1.0	<8	<2	8.7	1.0	<40	17
78	NB072028	<1	59	<0.8	<0.4	<2	<2	<40	<0.4	<0.4	1.4	<8	<2	6.1	0.6	<40	<4
79	NB072029	<1	48	<0.8	<0.4	<2	<2	<40	<0.4	<0.4	1.3	10	<2	6.1	0.6	<40	8
80	NB072030	<1	43	<0.8	<0.4	<2	2	112	<0.4	<0.4	0.9	9	<2	2.7	<0.4	<40	<4
81	NB072031	<1	<40	<0.8	0.8	<2	3	<40	<0.4	<0.4	2.8	<8	<2	12.2	1.0	<40	10
82	NB072032	1	<40	<0.8	<0.4	<2	<2	<40	<0.4	<0.4	1.1	<8	<2	7.7	0.8	<40	8
83	NB072033	<1	44	<0.8	<0.4	<2	<2	<40	<0.4	<0.4	1.3	<8	<2	3.7	<0.4	<40	12
84	NB072034	<1	92	<0.8	0.4	<2	<2	95	<0.4	<0.4	1.7	9	<2	9.4	0.9	99	16
85	NB072035	<1	55	<0.8	<0.4	<2	<2	44	<0.4	<0.4	1.0	<8	<2	4.2	0.4	74	9
86	NB072036	<1	79	<0.8	<0.4	<2	<2	<40	<0.4	<0.4	1.0	<8	<2	3.1	<0.4	<40	10
87	NB072037	<1	133	<0.8	<0.4	<2	<2	51	<0.4	<0.4	3.4	<8	<2	5.9	0.7	212	8
88	NB072038	<1	47	<0.8	<0.4	<2	<2	<40	<0.4	<0.4	0.9	<8	<2	6.2	0.6	131	6
89	NB072039	<1	47	<0.8	<0.4	<2	<2	<40	<0.4	<0.4	1.0	<8	<2	2.1	<0.4	<40	7
90	NB072040	<1	44	<0.8	<0.4	<2	<2	<40	<0.4	<0.4	1.0	<8	<2	3.8	<0.4	<40	5
91	NB072041	<1	216	<0.8	<0.4	<2	<2	82	<0.4	<0.4	1.9	36	<2	5.5	0.6	84	12
92	NB072042	<1	147	<0.8	1.9	<2	<2	149	<0.4	0.7	3.6	<8	<2	42.5	5.0	<40	19
93	NB072043	<1	483	<0.8	0.8	<2	4	157	<0.4	<0.4	4.9	13	<2	21.0	2.0	121	15
94	NB072044	<1	61	<0.8	<0.4	<2	<2	43	<0.4	<0.4	1.1	<8	<2	6.2	0.6	<40	7
95	NB072045	<1	<40	<0.8	<0.4	<2	<2	<40	<0.4	<0.4	<0.4	<8	<2	1.4	<0.4	<40	<4
96	NB072046	<1	<40	<0.8	0.7	<2	<2	<40	<0.4	<0.4	2.1	11	<2	14.3	1.0	<40	<4
97	NB072047	<1	<40	<0.8	0.4	<2	<2	<40	<0.4	<0.4	2.1	<8	<2	5.3	0.7	<40	11
98	NB072048	<1	<40	<0.8	<0.4	<2	<2	<40	<0.4	<0.4	0.9	<8	<2	3.9	0.4	<40	7
99	NB072050	<1	<40	<0.8	1.2	<2	7	<40	<0.4	<0.4	3.0	<8	<2	20.3	1.9	<40	53
100	NB072051	<1	40	<0.8	<0.4	<2	<2	<40	<0.4	<0.4	0.7	<8	<2	3.8	<0.4	<40	<4
101	NB072052	<1	<40	<0.8	<0.4	<2	<2	<40	<0.4	<0.4	1.1	<8	<2	5.5	0.5	<40	6
102	NB072053	<1	41	<0.8	<0.4	<2	<2	144	<0.4	<0.4	0.9	<8	<2	8.1	0.7	<40	6

C-horizon  
<2mm fraction  
Water Leach

North American Soil Geochemical Landscapes Project  
Soil Geochemistry Data

Variable Unit Min. Detection Limit Sample Preparation Dissolution Instrumentation		Ag ppb 0.4 not milled Water Leach ICP-MS	Al ppm 0.2 not milled Water Leach ICP-MS	As ppb 8 not milled Water Leach ICP-MS	B ppb 40 not milled Water Leach ICP-MS	Ba ppb 10 not milled Water Leach ICP-MS	Be ppb 0.4 not milled Water Leach ICP-MS	Bi ppb 2 not milled Water Leach ICP-MS	Br ppm 2 not milled Water Leach ICP-ES	Ca ppm 2 not milled Water Leach ICP-ES	Cd ppb 1 not milled Water Leach ICP-MS	Ce ppb 0.8 not milled Water Leach ICP-MS	Cl ppm 8 not milled Water Leach ICP-ES	Co ppb 4 not milled Water Leach ICP-MS	Cr ppb 8 not milled Water Leach ICP-MS	Cs ppb 1 not milled Water Leach ICP-MS	Cu ppb 8 not milled Water Leach ICP-MS
103	NB072054	<0.4	6.7	9	<40	174	1.0	<2	<2	20	<1	39.6	14	21	11	<1	28
104	NB072055	<0.4	5.6	<8	<40	286	0.9	<2	<2	5	2	8.6	9	14	14	<1	13
105	NB072056	<0.4	11.4	<8	<40	146	1.0	<2	<2	5	1	15.8	9	11	20	<1	13
106	NB072057	<0.4	31.0	<8	45	279	1.1	<2	<2	5	2	22.0	10	27	55	<1	16
107	NB072058	<0.4	14.2	<8	61	428	2.6	<2	<2	7	1	23.8	12	10	37	<1	22
108	NB072059	<0.4	6.2	<8	44	381	0.7	<2	<2	8	3	9.2	10	44	23	<1	23
109	NB072060	<0.4	4.0	<8	<40	203	0.8	<2	<2	3	2	5.9	<8	4	8	<1	<8
110	NB072061	<0.4	4.8	<8	<40	173	<0.4	<2	<2	5	2	27.5	<8	5	11	<1	12
111	NB072062	<0.4	24.8	<8	<40	547	0.9	<2	<2	7	<1	33.3	9	10	14	2	8
112	NB072063	<0.4	11.8	<8	58	335	1.2	<2	<2	10	3	19.2	12	7	11	<1	12
113	NB072064	<0.4	19.7	8	54	448	1.9	<2	<2	10	5	32.1	17	153	27	<1	16
114	NB072065	<0.4	9.8	<8	<40	861	0.7	<2	<2	6	<1	15.4	<8	7	12	<1	9
115	NB072066	<0.4	24.7	9	59	281	2.2	<2	<2	6	<1	54.7	15	64	32	1	24
116	NS071001	<0.4	3.8	14	<40	170	1.0	<2	<2	<2	<1	13.5	<8	<4	<8	1	16
117	NS071002	<0.4	19.6	<8	45	95	0.9	<2	<2	5	<1	18.4	12	15	19	3	12
118	NS071003	<0.4	1.6	<8	41	238	0.8	<2	<2	3	<1	7.2	9	5	<8	<1	14
119	NS071004	<0.4	3.4	<8	<40	309	1.0	<2	<2	3	<1	24.7	9	<4	<8	1	11
120	NS071005	<0.4	12.8	22	137	1629	3.1	<2	<2	50	<1	49.8	<8	4	<8	3	30
121	NS071006	<0.4	10.1	26	73	965	2.3	<2	<2	40	<1	53.5	10	<4	<8	1	25
122	NS071007	<0.4	1.1	<8	52	59	0.5	<2	<2	<2	<1	6.7	10	<4	<8	<1	<8
123	NS071008																
124	NS071009	<0.4	4.8	<8	<40	34	1.6	<2	<2	5	1	6.0	12	<4	<8	4	<8
125	NS071010	<0.4	7.5	<8	<40	259	1.0	<2	<2	5	7	23.4	<8	<4	<8	2	19
126	NS071011	<0.4	5.5	<8	<40	77	<0.4	<2	<2	4	<1	44.0	9	<4	11	<1	9
127	NS071012	<0.4	4.1	<8	67	218	0.8	<2	<2	8	<1	9.0	14	6	<8	3	<8
128	NS071013	<0.4	12.4	<8	50	260	1.9	<2	<2	3	<1	26.8	13	6	21	1	17
129	NS071014	<0.4	14.0	<8	45	152	1.2	<2	<2	6	1	51.0	<8	14	13	<1	12
130	NS071015	<0.4	6.7	<8	<40	125	1.0	<2	<2	3	<1	33.0	9	<4	<8	5	10
131	NS071016	<0.4	11.2	<8	49	367	1.8	<2	<2	4	<1	25.2	<8	6	18	2	18
132	NS071017	<0.4	13.7	<8	62	122	0.8	<2	<2	5	4	14.4	10	36	13	2	19
133	NS071019	<0.4	5.8	19	<40	69	0.9	<2	<2	5	<1	8.3	13	7	<8	<1	<8
134	NS071020	<0.4	10.0	<8	<40	79	0.6	<2	<2	3	<1	8.0	10	<4	<8	2	<8
135	NS071021	<0.4	0.5	<8	<40	334	0.5	<2	<2	4	2	6.0	<8	<4	<8	<1	<8
136	NS071022	<0.4	18.6	19	<40	76	2.3	<2	<2	5	<1	14.1	14	<4	<8	4	8

C-horizon  
<2mm fraction  
Water Leach

North American Soil Geochemical Landscapes Project  
Soil Geochemistry Data

Variable Unit Min. Detection Limit Sample Preparation Dissolution Instrumentation		Dy ppb 0.4 not milled Water Leach ICP-MS	Er ppb 0.4 not milled Water Leach ICP-MS	Eu ppb 0.4 not milled Water Leach ICP-MS	Fe ppm 0.4 not milled Water Leach ICP-ES	Ga ppb 1 not milled Water Leach ICP-MS	Gd ppb 0.4 not milled Water Leach ICP-MS	Ge ppb 2 not milled Water Leach ICP-MS	Hf ppb 0.8 not milled Water Leach ICP-MS	Ho ppb 0.4 not milled Water Leach ICP-MS	In ppb 1 not milled Water Leach ICP-MS	K ppm 4 not milled Water Leach ICP-ES	La ppb 0.8 not milled Water Leach ICP-MS	Li ppb 2 not milled Water Leach ICP-MS	Lu ppb 0.4 not milled Water Leach ICP-MS	Mg ppm 0.4 not milled Water Leach ICP-ES	Mn ppb 8 not milled Water Leach ICP-MS
103	NB072054	8.5	4.2	2.6	3.7	<1	10.5	<2	1.0	1.6	<1	11	14.5	6	0.5	3.5	2323
104	NB072055	0.8	0.4	<0.4	<0.4	<1	1.0	<2	<0.8	<0.4	<1	<4	3.7	20	<0.4	1.0	523
105	NB072056	2.2	1.1	0.5	5.2	<1	2.3	<2	<0.8	0.4	<1	<4	5.7	5	<0.4	1.4	838
106	NB072057	1.4	0.6	0.7	10.5	1	2.5	<2	<0.8	<0.4	<1	<4	16.4	25	<0.4	2.9	2441
107	NB072058	4.8	2.2	1.2	4.4	<1	4.5	<2	<0.8	0.9	<1	5	10.8	6	<0.4	2.2	432
108	NB072059	0.9	0.4	<0.4	0.8	<1	1.1	<2	<0.8	<0.4	<1	8	3.7	20	<0.4	2.5	6130
109	NB072060	0.5	<0.4	<0.4	0.5	<1	0.7	<2	<0.8	<0.4	<1	<4	2.2	4	<0.4	0.8	627
110	NB072061	2.5	1.1	0.8	<0.4	<1	2.9	<2	<0.8	0.5	<1	<4	11.8	7	<0.4	1.0	2071
111	NB072062	4.2	2.1	1.2	6.3	2	4.6	<2	<0.8	0.8	<1	5	25.4	7	<0.4	2.0	1023
112	NB072063	2.4	1.2	0.6	2.3	<1	2.3	<2	<0.8	0.5	<1	6	9.5	8	<0.4	2.0	396
113	NB072064	3.5	1.6	1.0	10.2	1	4.1	<2	0.9	0.6	<1	11	12.9	14	<0.4	3.8	10697
114	NB072065	1.7	0.9	0.6	3.7	<1	2.4	<2	<0.8	<0.4	<1	6	5.6	8	<0.4	1.5	1757
115	NB072066	7.1	3.3	1.9	7.9	<1	7.9	<2	0.9	1.2	<1	16	20.6	22	<0.4	3.4	4964
116	NS071001	2.5	1.0	0.9	1.3	<1	3.7	<2	<0.8	0.4	<1	9	4.4	8	<0.4	0.6	151
117	NS071002	2.3	0.9	0.9	10.3	1	3.7	<2	<0.8	<0.4	<1	7	6.8	19	<0.4	1.6	1467
118	NS071003	1.1	0.5	<0.4	0.6	<1	1.4	<2	<0.8	<0.4	<1	9	1.8	8	<0.4	1.1	1894
119	NS071004	5.2	2.2	1.9	1.7	<1	7.5	<2	<0.8	0.9	<1	4	11.7	10	<0.4	0.9	280
120	NS071005	9.8	3.9	3.8	4.0	2	15.9	<2	0.8	1.7	<1	9	31.1	32	<0.4	12.2	465
121	NS071006	10.0	4.0	3.7	3.2	3	15.5	<2	<0.8	1.7	<1	8	42.2	21	<0.4	4.3	183
122	NS071007	<0.4	<0.4	<0.4	<0.4	<1	0.6	<2	<0.8	<0.4	<1	7	3.2	35	<0.4	2.1	643
123	NS071008																
124	NS071009	0.8	<0.4	<0.4	3.1	<1	1.0	<2	<0.8	<0.4	<1	<4	2.6	10	<0.4	0.5	228
125	NS071010	2.1	1.0	0.7	1.7	<1	2.8	<2	<0.8	<0.4	<1	6	10.2	18	<0.4	1.5	93
126	NS071011	3.7	1.6	1.1	0.6	<1	4.4	<2	<0.8	0.6	<1	<4	15.7	2	<0.4	0.7	1110
127	NS071012	0.9	0.5	<0.4	0.8	<1	0.8	<2	<0.8	<0.4	<1	6	2.9	8	<0.4	2.7	2190
128	NS071013	8.4	3.7	2.5	4.9	<1	11.3	<2	1.3	1.4	<1	13	7.1	12	<0.4	4.8	301
129	NS071014	5.4	2.7	1.6	6.8	1	6.8	<2	<0.8	1.0	<1	8	16.3	7	<0.4	2.9	3310
130	NS071015	2.8	1.5	0.9	2.6	<1	3.5	<2	<0.8	0.5	<1	11	9.6	14	<0.4	1.4	2192
131	NS071016	4.1	1.5	1.4	1.8	<1	5.8	<2	<0.8	0.7	<1	7	8.9	18	<0.4	1.7	292
132	NS071017	1.0	0.5	<0.4	4.5	<1	1.3	<2	<0.8	<0.4	<1	4	5.3	27	<0.4	1.6	4535
133	NS071019	0.5	<0.4	<0.4	1.4	<1	0.7	<2	<0.8	<0.4	<1	5	3.4	8	<0.4	1.9	901
134	NS071020	0.9	<0.4	<0.4	1.1	<1	0.9	<2	<0.8	<0.4	<1	<4	3.0	9	<0.4	0.5	180
135	NS071021	2.4	1.2	0.4	<0.4	<1	2.5	<2	<0.8	0.4	<1	7	4.3	4	<0.4	0.9	1118
136	NS071022	1.0	0.4	<0.4	4.6	2	1.5	<2	<0.8	<0.4	<1	<4	7.3	21	<0.4	1.7	216

C-horizon  
<2mm fraction  
Water Leach

North American Soil Geochemical Landscapes Project  
Soil Geochemistry Data

Variable Unit Min. Detection Limit Sample Preparation Dissolution Instrumentation		Mo ppb 4 not milled Water Leach ICP-MS	Na ppm 4 not milled Water Leach ICP-ES	Nb ppb 1 not milled Water Leach ICP-MS	Nd ppb 0.4 not milled Water Leach ICP-MS	Ni ppb 16 not milled Water Leach ICP-MS	P ppm 4 not milled Water Leach ICP-ES	Pb ppb 0.8 not milled Water Leach ICP-MS	Pr ppb 0.4 not milled Water Leach ICP-MS	Rb ppb 4 not milled Water Leach ICP-MS	Re ppb 0.4 not milled Water Leach ICP-MS	S ppm 4 not milled Water Leach ICP-ES	Sb ppb 1 not milled Water Leach ICP-MS	Sc ppm 0.08 not milled Water Leach ICP-ES	Se ppb 80 not milled Water Leach ICP-MS	Si ppm 2 not milled Water Leach ICP-ES	Sm ppb 0.4 not milled Water Leach ICP-MS
103	NB072054	<4	8	<1	34.7	<16	<4	15.9	7.1	33	<0.4	12	<1	<0.08	<80	12	10.3
104	NB072055	<4	9	<1	5.2	42	<4	1.7	1.2	47	<0.4	8	<1	<0.08	<80	45	1.2
105	NB072056	<4	8	<1	8.0	33	<4	4.4	1.8	20	<0.4	5	<1	<0.08	<80	18	2.2
106	NB072057	<4	12	<1	16.9	55	<4	4.6	4.4	31	<0.4	8	<1	<0.08	<80	32	3.2
107	NB072058	<4	12	<1	17.3	39	<4	10.5	3.9	30	<0.4	9	<1	<0.08	<80	27	4.5
108	NB072059	<4	9	<1	5.2	47	<4	1.1	1.2	66	<0.4	7	<1	<0.08	<80	42	1.2
109	NB072060	<4	8	<1	3.3	<16	<4	1.1	0.8	15	<0.4	5	<1	<0.08	<80	17	0.8
110	NB072061	<4	7	<1	14.6	<16	<4	0.8	3.6	72	<0.4	5	<1	<0.08	<80	20	3.2
111	NB072062	<4	9	<1	25.2	<16	<4	4.1	6.4	82	<0.4	6	<1	<0.08	<80	49	5.1
112	NB072063	<4	10	<1	11.1	<16	<4	4.3	2.8	59	<0.4	8	<1	<0.08	<80	36	2.5
113	NB072064	<4	12	<1	18.8	26	<4	6.4	4.3	89	<0.4	16	<1	<0.08	<80	28	4.4
114	NB072065	<4	7	<1	10.8	<16	<4	2.9	2.3	62	<0.4	6	<1	<0.08	<80	24	2.6
115	NB072066	<4	12	<1	32.7	22	<4	3.9	7.5	165	<0.4	7	<1	<0.08	<80	23	8.3
116	NS071001	<4	9	<1	14.5	<16	<4	4.6	2.7	32	<0.4	6	<1	<0.08	<80	20	4.3
117	NS071002	<4	11	<1	11.8	21	<4	12.8	2.5	81	<0.4	9	<1	<0.08	<80	21	3.7
118	NS071003	<4	8	<1	5.0	<16	<4	3.3	1.0	42	<0.4	9	<1	<0.08	<80	13	1.5
119	NS071004	<4	13	<1	27.3	<16	<4	8.2	5.3	20	<0.4	4	<1	<0.08	<80	12	8.1
120	NS071005	122	12	<1	60.2	<16	<4	32.6	12.8	26	<0.4	<4	1	<0.08	<80	60	16.7
121	NS071006	19	12	<1	77.0	<16	<4	29.5	17.0	17	<0.4	<4	<1	<0.08	<80	56	17.5
122	NS071007	<4	11	<1	3.8	<16	<4	<0.8	0.9	28	<0.4	9	<1	<0.08	<80	18	0.8
123	NS071008																
124	NS071009	<4	7	<1	3.7	<16	<4	4.0	0.9	49	<0.4	14	<1	<0.08	<80	41	1.0
125	NS071010	<4	12	<1	13.7	<16	<4	13.5	3.3	34	<0.4	6	<1	<0.08	<80	34	3.1
126	NS071011	<4	7	<1	23.4	<16	<4	1.3	5.6	27	<0.4	5	<1	<0.08	<80	24	5.3
127	NS071012	<4	12	<1	3.6	<16	<4	1.8	0.8	50	<0.4	12	<1	<0.08	<80	21	0.8
128	NS071013	<4	18	<1	23.1	18	<4	1.9	4.2	30	<0.4	13	<1	<0.08	<80	26	9.5
129	NS071014	<4	13	<1	27.7	<16	<4	20.7	6.1	37	<0.4	9	<1	<0.08	<80	22	7.3
130	NS071015	<4	10	<1	17.0	<16	<4	16.4	3.8	79	<0.4	10	<1	<0.08	<80	18	4.2
131	NS071016	<4	18	<1	15.9	<16	<4	15.8	3.5	29	<0.4	12	<1	<0.08	<80	39	5.2
132	NS071017	<4	10	<1	6.5	21	<4	5.5	1.5	45	<0.4	10	<1	<0.08	<80	19	1.4
133	NS071019	<4	8	<1	3.2	<16	<4	10.8	0.8	30	<0.4	11	<1	<0.08	<80	31	0.6
134	NS071020	<4	7	<1	3.7	<16	<4	3.3	1.0	31	<0.4	5	<1	<0.08	<80	15	1.0
135	NS071021	<4	5	<1	8.2	<16	<4	<0.8	1.8	53	<0.4	6	<1	<0.08	<80	22	2.4
136	NS071022	<4	12	<1	7.3	<16	<4	3.6	1.8	81	<0.4	6	<1	<0.08	<80	27	1.6

C-horizon  
<2mm fraction  
Water Leach

North American Soil Geochemical Landscapes Project  
Soil Geochemistry Data

Variable Unit Min. Detection Limit Sample Preparation Dissolution Instrumentation		Sn ppb 1 not milled Water Leach ICP-MS	Sr ppb 40 not milled Water Leach ICP-MS	Ta ppb 0.8 not milled Water Leach ICP-MS	Tb ppb 0.4 not milled Water Leach ICP-MS	Te ppb 2 not milled Water Leach ICP-MS	Th ppb 2 not milled Water Leach ICP-MS	Ti ppb 40 not milled Water Leach ICP-MS	Tl ppb 0.4 not milled Water Leach ICP-MS	Tm ppb 0.4 not milled Water Leach ICP-MS	U ppb 0.4 not milled Water Leach ICP-MS	V ppb 8 not milled Water Leach ICP-MS	W ppb 2 not milled Water Leach ICP-MS	Y ppb 0.8 not milled Water Leach ICP-MS	Yb ppb 0.4 not milled Water Leach ICP-MS	Zn ppb 40 not milled Water Leach ICP-MS	Zr ppb 4 not milled Water Leach ICP-MS
103	NB072054	<1	56	<0.8	1.5	<2	<2	140	<0.4	0.6	2.1	<8	<2	34.1	3.9	<40	29
104	NB072055	<1	<40	<0.8	<0.4	<2	<2	<40	<0.4	<0.4	0.8	<8	<2	3.8	<0.4	63	6
105	NB072056	<1	45	<0.8	<0.4	<2	<2	104	<0.4	<0.4	0.8	<8	<2	8.9	0.9	<40	9
106	NB072057	<1	53	<0.8	<0.4	<2	<2	125	<0.4	<0.4	1.2	9	<2	5.2	0.5	110	9
107	NB072058	<1	93	<0.8	0.8	<2	<2	55	<0.4	<0.4	1.5	<8	<2	18.5	2.0	<40	18
108	NB072059	<1	48	<0.8	<0.4	<2	<2	<40	<0.4	<0.4	0.8	<8	<2	3.4	<0.4	90	9
109	NB072060	<1	<40	<0.8	<0.4	<2	<2	<40	<0.4	<0.4	0.5	<8	<2	1.8	<0.4	<40	<4
110	NB072061	<1	51	<0.8	0.4	<2	<2	<40	<0.4	<0.4	1.4	<8	<2	10.1	1.0	59	<4
111	NB072062	<1	74	<0.8	0.7	<2	3	369	0.6	<0.4	2.4	16	<2	18.6	1.7	<40	5
112	NB072063	<1	72	<0.8	<0.4	<2	<2	108	<0.4	<0.4	2.5	<8	<2	9.9	1.0	<40	7
113	NB072064	<1	57	<0.8	0.6	<2	4	151	<0.4	<0.4	2.2	28	<2	13.7	1.4	43	13
114	NB072065	<1	42	<0.8	<0.4	<2	<2	60	<0.4	<0.4	1.1	<8	<2	6.6	0.8	<40	6
115	NB072066	<1	<40	<0.8	1.3	<2	6	105	1.0	0.5	8.6	<8	<2	25.1	2.9	<40	18
116	NS071001	<1	<40	<0.8	0.5	<2	<2	<40	<0.4	<0.4	0.7	13	<2	9.8	0.8	<40	5
117	NS071002	<1	<40	<0.8	0.5	<2	2	53	<0.4	<0.4	2.7	<8	<2	7.4	0.6	<40	13
118	NS071003	<1	<40	<0.8	<0.4	<2	<2	<40	<0.4	<0.4	1.4	<8	<2	3.7	<0.4	<40	5
119	NS071004	<1	<40	<0.8	1.0	<2	<2	<40	<0.4	<0.4	1.1	<8	<2	19.8	1.7	<40	5
120	NS071005	<1	107	<0.8	2.1	<2	4	<40	<0.4	0.5	1.5	30	<2	42.5	2.9	<40	18
121	NS071006	<1	78	<0.8	2.1	<2	5	<40	<0.4	0.5	0.9	77	<2	44.0	2.9	42	13
122	NS071007	<1	<40	<0.8	<0.4	<2	<2	<40	<0.4	<0.4	<0.4	<8	<2	1.2	<0.4	<40	<4
123	NS071008																
124	NS071009	<1	<40	<0.8	<0.4	<2	<2	<40	0.6	<0.4	8.7	<8	<2	3.4	<0.4	88	<4
125	NS071010	<1	<40	<0.8	0.4	<2	<2	<40	<0.4	<0.4	0.7	8	<2	9.0	0.8	<40	6
126	NS071011	<1	<40	<0.8	0.7	<2	2	<40	<0.4	<0.4	2.4	<8	<2	12.7	1.4	<40	11
127	NS071012	<1	45	<0.8	<0.4	<2	<2	<40	0.8	<0.4	1.5	<8	<2	3.5	<0.4	<40	<4
128	NS071013	<1	<40	<0.8	1.6	<2	3	<40	<0.4	0.5	3.2	<8	<2	26.4	2.9	<40	33
129	NS071014	<1	42	<0.8	1.0	<2	<2	106	<0.4	<0.4	2.5	<8	<2	23.0	2.3	<40	11
130	NS071015	<1	<40	<0.8	0.6	<2	<2	<40	<0.4	<0.4	2.4	<8	<2	10.0	1.5	<40	14
131	NS071016	<1	<40	<0.8	0.8	<2	<2	<40	<0.4	<0.4	0.6	<8	<2	16.9	1.0	<40	<4
132	NS071017	<1	53	<0.8	<0.4	<2	<2	90	<0.4	<0.4	1.5	18	<2	3.5	<0.4	79	9
133	NS071019	<1	44	<0.8	<0.4	<2	<2	50	<0.4	<0.4	0.4	<8	<2	2.4	<0.4	60	<4
134	NS071020	<1	<40	<0.8	<0.4	<2	<2	<40	<0.4	<0.4	1.6	<8	<2	2.5	<0.4	<40	<4
135	NS071021	<1	<40	<0.8	0.4	<2	<2	<40	<0.4	<0.4	2.0	<8	<2	8.5	1.0	<40	<4
136	NS071022	<1	<40	<0.8	<0.4	<2	<2	94	0.7	<0.4	12.8	10	<2	3.7	<0.4	<40	5

C-horizon  
<2mm fraction  
Water Leach

North American Soil Geochemical Landscapes Project  
Soil Geochemistry Data

Variable Unit Min. Detection Limit Sample Preparation Dissolution Instrumentation		Ag ppb 0.4 not milled Water Leach ICP-MS	Al ppm 0.2 not milled Water Leach ICP-MS	As ppb 8 not milled Water Leach ICP-MS	B ppb 40 not milled Water Leach ICP-MS	Ba ppb 10 not milled Water Leach ICP-MS	Be ppb 0.4 not milled Water Leach ICP-MS	Bi ppb 2 not milled Water Leach ICP-MS	Br ppm 2 not milled Water Leach ICP-ES	Ca ppm 2 not milled Water Leach ICP-ES	Cd ppb 1 not milled Water Leach ICP-MS	Ce ppb 0.8 not milled Water Leach ICP-MS	Cl ppm 8 not milled Water Leach ICP-ES	Co ppb 4 not milled Water Leach ICP-MS	Cr ppb 8 not milled Water Leach ICP-MS	Cs ppb 1 not milled Water Leach ICP-MS	Cu ppb 8 not milled Water Leach ICP-MS
137	NS071023	<0.4	16.5	<8	47	308	2.3	<2	<2	8	<1	79.5	<8	14	16	1	30
138	NS071024	<0.4	13.7	<8	59	237	1.7	<2	<2	2	3	54.7	14	13	25	3	36
139	NS071025	<0.4	7.1	<8	<40	82	0.5	<2	<2	4	1	48.2	<8	8	11	<1	<8
140	NS071026																
141	NS071027	<0.4	18.7	12	63	52	0.6	<2	2	6	3	33.1	12	9	11	2	57
142	NS071028	<0.4	20.5	<8	<40	51	0.8	<2	<2	4	1	45.6	<8	8	18	<1	16
143	NS071029	<0.4	12.5	<8	47	52	0.7	<2	<2	5	<1	25.5	<8	17	12	<1	15
144	NS071030	<0.4	17.8	11	150	131	1.2	<2	<2	8	<1	69.1	17	<4	34	1	23
145	NS071031	<0.4	16.1	10	77	2614	6.4	<2	<2	37	<1	38.6	<8	<4	<8	3	1531
146	NS071032	<0.4	4.7	<8	43	124	0.6	<2	<2	7	3	9.1	14	9	<8	<1	8
147	NS071033	<0.4	10.0	<8	<40	178	0.7	<2	2	7	2	15.7	9	7	11	3	12
148	NS071034	<0.4	10.1	8	<40	609	2.4	<2	<2	9	<1	53.0	<8	<4	<8	3	29
149	NS071036	<0.4	7.4	<8	<40	81	0.4	<2	5	5	<1	14.3	20	18	8	<1	8
150	NS071037	<0.4	12.2	11	86	509	0.5	<2	<2	9	<1	13.2	15	13	23	<1	10
151	NS071038	<0.4	12.5	13	45	188	1.7	<2	<2	3	<1	57.1	<8	<4	9	2	35
152	NS071039	<0.4	7.7	<8	59	337	1.8	<2	<2	5	2	18.2	15	24	11	<1	12
153	NS071040	<0.4	3.8	<8	<40	52	0.4	<2	<2	6	<1	6.7	10	8	<8	<1	<8
154	NS071041	<0.4	36.2	14	91	60	1.0	<2	3	7	<1	26.7	23	7	18	2	12
155	NS071042	<0.4	12.8	<8	41	56	<0.4	<2	<2	5	<1	35.8	8	27	12	<1	16
156	NS071043	<0.4	0.9	<8	<40	274	0.6	<2	<2	6	2	3.8	<8	5	<8	<1	<8
157	NS071044	<0.4	1.5	<8	<40	109	0.8	<2	<2	6	1	6.4	11	13	<8	<1	69
158	NS071045	<0.4	0.8	<8	<40	86	<0.4	<2	<2	4	2	1.4	17	5	<8	1	<8
159	NS071046	<0.4	2.9	<8	48	30	0.4	<2	<2	4	<1	11.7	10	<4	<8	1	<8
160	NS071047	<0.4	3.2	<8	<40	57	<0.4	<2	<2	3	3	15.2	<8	<4	<8	<1	<8
161	NS071048	<0.4	10.2	330	<40	80	<0.4	<2	<2	5	2	28.4	<8	5	10	<1	11
162	NS071049	<0.4	33.2	28	128	81	1.2	<2	3	7	<1	36.4	29	22	44	2	25
163	NS071050	<0.4	4.1	<8	<40	95	0.4	<2	<2	4	2	14.4	10	<4	9	<1	<8
164	NS071052	<0.4	3.3	<8	48	1274	0.5	<2	<2	10	2	60.8	18	14	<8	3	24
165	NS071053	<0.4	3.4	<8	<40	153	0.7	<2	<2	5	<1	19.1	<8	6	<8	<1	10
166	NS071054	<0.4	0.9	<8	<40	183	1.9	<2	<2	6	<1	2.4	10	10	<8	<1	<8
167	NS071055	<0.4	1.7	<8	41	222	1.2	<2	<2	11	2	6.3	13	11	<8	2	<8
168	NS071056	0.4	2.5	8	74	25	<0.4	<2	<2	40	<1	1.7	14	<4	17	<1	75
169	NS071057	<0.4	9.0	<8	63	2026	2.2	<2	<2	37	<1	22.6	<8	5	<8	2	49
170	PE071001	<0.4	6.5	<8	<40	21	<0.4	<2	<2	<2	<1	21.5	<8	<4	12	<1	16

C-horizon  
<2mm fraction  
Water Leach

North American Soil Geochemical Landscapes Project  
Soil Geochemistry Data

Variable Unit Min. Detection Limit Sample Preparation Dissolution Instrumentation		Dy ppb 0.4 not milled Water Leach ICP-MS	Er ppb 0.4 not milled Water Leach ICP-MS	Eu ppb 0.4 not milled Water Leach ICP-MS	Fe ppm 0.4 not milled Water Leach ICP-ES	Ga ppb 1 not milled Water Leach ICP-MS	Gd ppb 0.4 not milled Water Leach ICP-MS	Ge ppb 2 not milled Water Leach ICP-MS	Hf ppb 0.8 not milled Water Leach ICP-MS	Ho ppb 0.4 not milled Water Leach ICP-MS	In ppb 1 not milled Water Leach ICP-MS	K ppm 4 not milled Water Leach ICP-ES	La ppb 0.8 not milled Water Leach ICP-MS	Li ppb 2 not milled Water Leach ICP-MS	Lu ppb 0.4 not milled Water Leach ICP-MS	Mg ppm 0.4 not milled Water Leach ICP-ES	Mn ppb 8 not milled Water Leach ICP-MS
137	NS071023	12.3	6.6	3.6	5.0	1	14.4	<2	2.0	2.4	<1	9	31.2	20	0.9	2.6	870
138	NS071024	4.6	1.7	1.8	3.4	<1	6.8	<2	1.9	0.7	<1	13	16.9	31	<0.4	2.2	632
139	NS071025	4.8	1.9	1.6	1.7	<1	6.0	<2	<0.8	0.8	<1	<4	11.6	4	<0.4	0.9	1757
140	NS071026																
141	NS071027	2.1	0.8	0.7	8.3	<1	2.8	<2	<0.8	<0.4	<1	4	13.2	17	<0.4	2.5	701
142	NS071028	5.0	2.3	1.4	8.4	2	6.2	<2	<0.8	1.0	<1	<4	19.2	5	<0.4	1.6	3126
143	NS071029	3.0	1.2	0.8	3.8	<1	3.3	<2	<0.8	0.5	<1	<4	5.6	12	<0.4	1.7	3379
144	NS071030	7.5	4.6	1.3	8.8	1	6.8	<2	<0.8	1.6	<1	9	20.6	8	0.6	2.5	1209
145	NS071031	19.9	7.6	6.3	1.9	2	29.6	<2	<0.8	3.3	<1	10	46.1	13	0.7	12.8	489
146	NS071032	0.7	0.4	<0.4	2.9	<1	0.9	<2	<0.8	<0.4	<1	6	6.3	19	<0.4	2.5	1554
147	NS071033	1.4	0.6	0.6	2.5	<1	1.8	<2	<0.8	<0.4	<1	5	6.3	17	<0.4	1.6	930
148	NS071034	8.3	3.4	2.8	2.7	1	12.1	<2	<0.8	1.4	<1	8	27.1	22	<0.4	5.4	525
149	NS071036	0.7	<0.4	<0.4	3.3	<1	1.0	<2	<0.8	<0.4	<1	<4	6.7	10	<0.4	1.3	1856
150	NS071037	1.9	0.9	0.5	6.8	<1	2.0	<2	<0.8	<0.4	<1	<4	5.0	33	<0.4	3.8	4067
151	NS071038	5.1	2.1	1.7	3.1	<1	6.8	<2	0.9	0.9	<1	12	20.4	13	<0.4	1.7	397
152	NS071039	2.6	1.3	0.7	4.7	<1	3.3	<2	<0.8	0.5	<1	10	6.0	11	<0.4	3.1	2590
153	NS071040	0.9	0.4	<0.4	1.5	<1	1.2	<2	<0.8	<0.4	<1	<4	2.0	7	<0.4	1.6	4251
154	NS071041	1.7	0.7	0.7	34.2	4	2.5	<2	<0.8	<0.4	<1	10	12.0	24	<0.4	5.2	797
155	NS071042	3.2	1.5	1.0	3.1	<1	3.8	<2	<0.8	0.6	<1	<4	15.8	10	<0.4	1.1	2898
156	NS071043	<0.4	<0.4	<0.4	1.1	<1	0.5	<2	<0.8	<0.4	<1	8	5.1	11	<0.4	1.1	393
157	NS071044	1.1	0.7	0.4	1.4	<1	1.4	<2	<0.8	<0.4	<1	<4	7.9	9	<0.4	1.5	2347
158	NS071045	<0.4	<0.4	<0.4	<0.4	<1	<0.4	<2	<0.8	<0.4	<1	4	0.9	12	<0.4	2.8	400
159	NS071046	1.8	0.8	0.5	0.5	<1	1.9	<2	<0.8	<0.4	<1	<4	6.3	16	<0.4	0.9	147
160	NS071047	2.0	1.0	0.5	<0.4	<1	2.1	<2	<0.8	<0.4	<1	<4	7.5	6	<0.4	0.5	122
161	NS071048	2.1	1.0	0.6	3.6	<1	2.3	<2	<0.8	<0.4	<1	<4	9.8	7	<0.4	1.1	375
162	NS071049	3.6	1.8	1.0	11.1	2	4.0	<2	<0.8	0.7	<1	10	16.4	22	<0.4	5.7	718
163	NS071050	1.2	0.6	<0.4	1.0	<1	1.6	<2	<0.8	<0.4	<1	<4	7.0	7	<0.4	1.3	276
164	NS071052	4.3	2.0	1.8	1.7	<1	6.7	<2	<0.8	0.8	<1	16	26.6	44	<0.4	4.5	1155
165	NS071053	1.1	0.6	<0.4	0.8	<1	1.4	<2	<0.8	<0.4	<1	8	5.7	28	<0.4	1.8	425
166	NS071054	2.5	1.3	0.6	<0.4	<1	3.5	<2	<0.8	0.5	<1	6	22.6	16	<0.4	1.7	1248
167	NS071055	0.8	0.4	<0.4	1.0	<1	1.0	<2	<0.8	<0.4	<1	6	2.8	10	<0.4	2.0	1085
168	NS071056	1.8	1.3	0.5	1.6	<1	2.3	<2	<0.8	0.4	<1	<4	4.6	<2	<0.4	6.9	134
169	NS071057	5.3	2.1	1.8	2.3	<1	8.1	<2	<0.8	0.9	<1	5	11.9	9	<0.4	3.3	823
170	PE071001	3.1	1.0	1.2	0.9	<1	4.1	<2	3.0	0.5	<1	45	3.5	<2	<0.4	<0.4	302

C-horizon  
<2mm fraction  
Water Leach

North American Soil Geochemical Landscapes Project  
Soil Geochemistry Data

Variable Unit Min. Detection Limit Sample Preparation Dissolution Instrumentation		Mo ppb 4 not milled Water Leach ICP-MS	Na ppm 4 not milled Water Leach ICP-ES	Nb ppb 1 not milled Water Leach ICP-MS	Nd ppb 0.4 not milled Water Leach ICP-MS	Ni ppb 16 not milled Water Leach ICP-MS	P ppm 4 not milled Water Leach ICP-ES	Pb ppb 0.8 not milled Water Leach ICP-MS	Pr ppb 0.4 not milled Water Leach ICP-MS	Rb ppb 4 not milled Water Leach ICP-MS	Re ppb 0.4 not milled Water Leach ICP-MS	S ppm 4 not milled Water Leach ICP-ES	Sb ppb 1 not milled Water Leach ICP-MS	Sc ppm 0.08 not milled Water Leach ICP-ES	Se ppb 80 not milled Water Leach ICP-MS	Si ppm 2 not milled Water Leach ICP-ES	Sm ppb 0.4 not milled Water Leach ICP-MS
137	NS071023	<4	14	<1	65.6	<16	<4	21.3	14.0	32	<0.4	<4	<1	<0.08	<80	17	16.9
138	NS071024	<4	16	<1	31.8	17	<4	37.2	7.1	69	<0.4	12	<1	<0.08	<80	20	7.7
139	NS071025	<4	8	<1	28.5	<16	<4	4.6	6.2	14	<0.4	6	<1	<0.08	<80	15	7.0
140	NS071026																
141	NS071027	<4	12	<1	15.6	<16	<4	75.1	3.9	32	<0.4	7	1	<0.08	<80	22	3.2
142	NS071028	<4	8	<1	29.6	<16	<4	4.8	6.7	22	<0.4	<4	<1	<0.08	<80	16	6.8
143	NS071029	<4	10	<1	10.0	<16	<4	4.5	2.1	20	<0.4	9	<1	<0.08	<80	17	3.0
144	NS071030	6	45	<1	32.1	<16	<4	5.0	7.4	36	<0.4	7	<1	<0.08	<80	12	6.9
145	NS071031	10	19	<1	87.3	<16	<4	34.5	18.5	34	<0.4	<4	<1	<0.08	<80	40	26.2
146	NS071032	<4	11	<1	5.9	<16	<4	2.7	1.5	33	<0.4	18	<1	<0.08	<80	19	1.1
147	NS071033	<4	9	<1	8.2	<16	<4	5.5	1.9	56	<0.4	8	<1	<0.08	<80	25	1.8
148	NS071034	<4	19	<1	46.7	<16	<4	13.6	9.7	29	<0.4	8	<1	<0.08	<80	32	12.6
149	NS071036	<4	14	<1	7.0	19	<4	1.3	1.8	17	<0.4	5	<1	<0.08	<80	15	1.4
150	NS071037	<4	14	<1	8.2	30	<4	2.6	1.7	17	<0.4	16	<1	<0.08	<80	17	2.0
151	NS071038	<4	11	<1	31.0	<16	<4	159.3	6.9	53	<0.4	5	<1	<0.08	<80	18	7.5
152	NS071039	<4	15	<1	11.2	24	<4	4.9	2.5	28	<0.4	16	<1	<0.08	<80	24	3.1
153	NS071040	<4	12	<1	3.9	<16	<4	4.7	0.9	14	<0.4	13	<1	<0.08	<80	20	1.1
154	NS071041	<4	19	<1	13.2	16	<4	57.8	3.2	38	<0.4	14	<1	<0.08	<80	23	2.9
155	NS071042	<4	10	<1	18.4	<16	<4	15.3	4.4	33	<0.4	7	<1	<0.08	<80	20	4.2
156	NS071043	<4	8	<1	3.9	<16	<4	1.1	1.0	28	<0.4	12	<1	<0.08	<80	33	0.6
157	NS071044	<4	9	<1	11.1	<16	<4	1.2	2.6	32	<0.4	16	<1	<0.08	<80	15	2.0
158	NS071045	<4	12	<1	0.9	<16	<4	1.1	<0.4	26	<0.4	10	<1	<0.08	<80	13	<0.4
159	NS071046	<4	7	<1	9.4	<16	<4	<0.8	2.3	25	<0.4	6	<1	<0.08	<80	14	2.2
160	NS071047	<4	5	<1	10.0	<16	<4	1.6	2.4	13	<0.4	<4	<1	<0.08	<80	10	2.2
161	NS071048	<4	6	<1	11.6	<16	<4	1.5	2.8	22	<0.4	<4	<1	<0.08	<80	12	2.6
162	NS071049	<4	18	<1	18.7	35	<4	8.1	4.5	87	<0.4	11	<1	<0.08	<80	36	4.2
163	NS071050	<4	9	<1	7.8	<16	<4	1.3	1.9	28	<0.4	9	<1	<0.08	<80	15	1.7
164	NS071052	<4	14	<1	49.7	28	<4	7.4	11.2	58	<0.4	26	<1	<0.08	<80	22	9.3
165	NS071053	<4	13	<1	7.6	<16	<4	4.8	1.8	31	<0.4	13	<1	<0.08	<80	32	1.7
166	NS071054	<4	12	<1	19.7	<16	<4	0.8	5.1	38	<0.4	13	<1	<0.08	<80	36	3.4
167	NS071055	<4	8	<1	4.1	<16	<4	1.3	0.9	43	<0.4	13	<1	<0.08	<80	67	1.1
168	NS071056	<4	24	<1	8.5	<16	<4	<0.8	1.7	17	<0.4	7	<1	<0.08	<80	59	2.0
169	NS071057	8	14	<1	24.2	21	<4	37.8	4.8	17	<0.4	7	4	<0.08	<80	37	7.2
170	PE071001	<4	5	<1	11.0	<16	<4	1.0	1.9	42	<0.4	<4	<1	<0.08	<80	10	5.2



C-horizon  
<2mm fraction  
Water Leach

North American Soil Geochemical Landscapes Project  
Soil Geochemistry Data

Variable Unit Min. Detection Limit Sample Preparation Dissolution Instrumentation		Sn ppb 1 not milled Water Leach ICP-MS	Sr ppb 40 not milled Water Leach ICP-MS	Ta ppb 0.8 not milled Water Leach ICP-MS	Tb ppb 0.4 not milled Water Leach ICP-MS	Te ppb 2 not milled Water Leach ICP-MS	Th ppb 2 not milled Water Leach ICP-MS	Ti ppb 40 not milled Water Leach ICP-MS	Tl ppb 0.4 not milled Water Leach ICP-MS	Tm ppb 0.4 not milled Water Leach ICP-MS	U ppb 0.4 not milled Water Leach ICP-MS	V ppb 8 not milled Water Leach ICP-MS	W ppb 2 not milled Water Leach ICP-MS	Y ppb 0.8 not milled Water Leach ICP-MS	Yb ppb 0.4 not milled Water Leach ICP-MS	Zn ppb 40 not milled Water Leach ICP-MS	Zr ppb 4 not milled Water Leach ICP-MS
137	NS071023	<1	47	<0.8	2.2	<2	4	161	<0.4	1.0	3.9	14	<2	48.0	6.4	<40	49
138	NS071024	<1	<40	<0.8	1.0	<2	12	<40	0.4	<0.4	4.3	<8	<2	15.6	1.3	42	49
139	NS071025	<1	46	<0.8	0.9	<2	<2	46	<0.4	<0.4	2.3	<8	<2	15.2	1.5	<40	14
140	NS071026																
141	NS071027	<1	45	<0.8	0.4	<2	2	99	<0.4	<0.4	1.4	20	<2	8.4	0.7	134	8
142	NS071028	<1	<40	<0.8	1.0	<2	3	569	<0.4	<0.4	2.0	15	<2	19.8	1.9	<40	16
143	NS071029	<1	<40	<0.8	0.5	<2	<2	<40	<0.4	<0.4	1.1	<8	<2	9.7	0.9	<40	10
144	NS071030	<1	49	<0.8	1.2	<2	<2	352	<0.4	0.7	9.1	36	<2	35.2	4.6	<40	12
145	NS071031	<1	237	<0.8	4.0	<2	5	<40	<0.4	0.9	1.1	11	<2	90.5	5.1	50	11
146	NS071032	<1	65	<0.8	<0.4	<2	<2	<40	<0.4	<0.4	0.8	<8	<2	3.4	<0.4	46	<4
147	NS071033	<1	50	<0.8	<0.4	<2	<2	75	<0.4	<0.4	1.7	<8	<2	6.0	0.6	<40	<4
148	NS071034	<1	85	<0.8	1.6	<2	<2	56	<0.4	0.4	0.8	11	<2	37.7	2.4	<40	<4
149	NS071036	<1	46	<0.8	<0.4	<2	<2	<40	<0.4	<0.4	0.7	<8	<2	2.3	<0.4	<40	4
150	NS071037	<1	49	<0.8	<0.4	<2	<2	<40	<0.4	<0.4	0.9	13	<2	8.3	0.7	72	<4
151	NS071038	<1	<40	<0.8	1.0	<2	<2	77	<0.4	<0.4	1.4	21	<2	21.9	1.6	<40	27
152	NS071039	<1	43	<0.8	0.5	<2	<2	45	<0.4	<0.4	1.0	<8	<2	11.2	1.1	54	10
153	NS071040	<1	<40	<0.8	<0.4	<2	<2	<40	<0.4	<0.4	0.5	<8	<2	2.9	<0.4	<40	6
154	NS071041	<1	43	<0.8	<0.4	<2	3	154	0.6	<0.4	4.4	11	<2	6.3	0.5	65	6
155	NS071042	<1	<40	<0.8	0.6	<2	2	161	<0.4	<0.4	1.6	<8	<2	12.9	1.2	<40	12
156	NS071043	<1	72	<0.8	<0.4	<2	<2	<40	<0.4	<0.4	<0.4	<8	<2	1.8	<0.4	<40	<4
157	NS071044	3	66	<0.8	<0.4	<2	<2	<40	<0.4	<0.4	<0.4	<8	<2	5.3	0.7	<40	<4
158	NS071045	<1	56	<0.8	<0.4	<2	<2	<40	<0.4	<0.4	<0.4	<8	<2	<0.8	<0.4	<40	<4
159	NS071046	<1	<40	<0.8	<0.4	<2	<2	<40	<0.4	<0.4	2.1	<8	<2	6.9	0.8	<40	<4
160	NS071047	<1	47	<0.8	<0.4	<2	<2	<40	<0.4	<0.4	1.0	<8	<2	8.1	0.9	<40	<4
161	NS071048	<1	53	<0.8	<0.4	<2	3	88	<0.4	<0.4	1.5	<8	<2	8.1	0.8	<40	4
162	NS071049	<1	57	<0.8	0.6	<2	3	267	0.6	<0.4	3.0	17	<2	15.8	1.4	43	8
163	NS071050	<1	<40	<0.8	<0.4	<2	<2	<40	<0.4	<0.4	0.9	<8	<2	4.9	0.4	<40	<4
164	NS071052	<1	128	<0.8	0.9	<2	<2	<40	<0.4	<0.4	1.5	<8	<2	17.4	1.7	<40	7
165	NS071053	<1	<40	<0.8	<0.4	<2	<2	<40	<0.4	<0.4	1.3	<8	<2	4.5	0.5	<40	<4
166	NS071054	<1	161	<0.8	0.5	<2	<2	<40	<0.4	<0.4	0.5	<8	<2	15.5	0.8	<40	<4
167	NS071055	<1	68	<0.8	<0.4	<2	<2	<40	0.4	<0.4	0.7	<8	<2	4.6	<0.4	<40	<4
168	NS071056	<1	136	<0.8	<0.4	<2	<2	<40	<0.4	<0.4	0.8	214	<2	13.0	1.1	<40	7
169	NS071057	<1	73	<0.8	1.1	<2	<2	<40	<0.4	<0.4	1.3	59	<2	25.7	1.4	60	6
170	PE071001	<1	<40	<0.8	0.7	<2	8	<40	<0.4	<0.4	2.9	25	<2	6.8	0.6	<40	84

C-horizon  
<2mm fraction  
Water Leach

North American Soil Geochemical Landscapes Project  
Soil Geochemistry Data

Variable Unit Min. Detection Limit Sample Preparation Dissolution Instrumentation		Ag ppb 0.4 not milled Water Leach ICP-MS	Al ppm 0.2 not milled Water Leach ICP-MS	As ppb 8 not milled Water Leach ICP-MS	B ppb 40 not milled Water Leach ICP-MS	Ba ppb 10 not milled Water Leach ICP-MS	Be ppb 0.4 not milled Water Leach ICP-MS	Bi ppb 2 not milled Water Leach ICP-MS	Br ppm 2 not milled Water Leach ICP-ES	Ca ppm 2 not milled Water Leach ICP-ES	Cd ppb 1 not milled Water Leach ICP-MS	Ce ppb 0.8 not milled Water Leach ICP-MS	Cl ppm 8 not milled Water Leach ICP-ES	Co ppb 4 not milled Water Leach ICP-MS	Cr ppb 8 not milled Water Leach ICP-MS	Cs ppb 1 not milled Water Leach ICP-MS	Cu ppb 8 not milled Water Leach ICP-MS
171	PE071002	<0.4	6.7	<8	<40	19	<0.4	<2	<2	<2	<1	15.4	<8	<4	9	<1	<8
172	PE071003	<0.4	6.3	<8	<40	24	<0.4	<2	<2	<2	<1	23.9	8	<4	<8	<1	<8
173	PE071004	<0.4	4.6	<8	<40	58	<0.4	<2	<2	4	<1	13.3	<8	<4	<8	<1	11
174	PE071005	<0.4	13.1	<8	99	37	0.5	<2	<2	3	<1	31.9	14	14	20	<1	11
175	PE071006	<0.4	6.8	13	57	538	2.8	<2	<2	25	1	42.8	<8	<4	<8	1	10
176	PE071007	<0.4	2.4	9	<40	98	1.3	<2	<2	8	<1	12.6	15	<4	<8	<1	<8
177	PE071008	<0.4	5.1	15	<40	109	0.8	<2	<2	12	<1	51.9	<8	<4	<8	<1	<8
178	PE071009	<0.4	7.3	<8	<40	190	1.0	<2	<2	3	3	44.7	8	<4	11	<1	<8

C-horizon  
<2mm fraction  
Water Leach

North American Soil Geochemical Landscapes Project  
Soil Geochemistry Data

Variable		Dy	Er	Eu	Fe	Ga	Gd	Ge	Hf	Ho	In	K	La	Li	Lu	Mg	Mn
Unit		ppb	ppb	ppb	ppm	ppb	ppb	ppb	ppb	ppb	ppb	ppm	ppb	ppb	ppb	ppm	ppb
Min. Detection Limit		0.4	0.4	0.4	0.4	1	0.4	2	0.8	0.4	1	4	0.8	2	0.4	0.4	8
Sample Preparation		not milled	not milled	not milled	not milled	not milled	not milled	not milled	not milled	not milled	not milled	not milled	not milled	not milled	not milled	not milled	not milled
Dissolution		Water Leach	Water Leach	Water Leach	Water Leach	Water Leach	Water Leach	Water Leach	Water Leach	Water Leach	Water Leach	Water Leach	Water Leach	Water Leach	Water Leach	Water Leach	Water Leach
Instrumentation		ICP-MS	ICP-MS	ICP-MS	ICP-ES	ICP-MS	ICP-MS	ICP-MS	ICP-MS	ICP-MS	ICP-MS	ICP-ES	ICP-MS	ICP-MS	ICP-MS	ICP-ES	ICP-MS
171	PE071002	1.3	0.4	<0.4	0.5	<1	1.2	<2	1.2	<0.4	<1	9	3.9	4	<0.4	1.1	826
172	PE071003	1.6	0.7	0.5	1.2	<1	1.9	<2	1.0	<0.4	<1	12	5.4	5	<0.4	0.8	703
173	PE071004	1.0	0.4	<0.4	1.2	<1	1.1	<2	<0.8	<0.4	<1	10	2.6	5	<0.4	0.9	1719
174	PE071005	3.2	1.2	0.8	2.6	<1	3.1	<2	1.3	0.5	<1	9	7.3	9	<0.4	1.3	2041
175	PE071006	12.9	5.7	4.3	0.8	<1	17.8	<2	<0.8	2.3	<1	<4	34.2	5	0.5	2.8	463
176	PE071007	2.0	0.9	0.6	0.7	<1	2.6	<2	<0.8	<0.4	<1	10	6.0	5	<0.4	2.2	164
177	PE071008	7.0	3.3	1.8	0.6	<1	8.0	<2	<0.8	1.4	<1	5	19.3	<2	<0.4	1.1	288
178	PE071009	4.4	2.0	1.7	2.9	<1	6.0	<2	<0.8	0.8	<1	11	8.4	13	<0.4	2.1	988

C-horizon  
<2mm fraction  
Water Leach

North American Soil Geochemical Landscapes Project  
Soil Geochemistry Data

Variable		Mo	Na	Nb	Nd	Ni	P	Pb	Pr	Rb	Re	S	Sb	Sc	Se	Si	Sm
Unit		ppb	ppm	ppb	ppb	ppb	ppm	ppb	ppb	ppb	ppb	ppm	ppb	ppm	ppb	ppm	ppb
Min. Detection Limit		4	4	1	0.4	16	4	0.8	0.4	4	0.4	4	1	0.08	80	2	0.4
Sample Preparation		not milled	not milled	not milled	not milled	not milled	not milled	not milled	not milled	not milled	not milled	not milled	not milled	not milled	not milled	not milled	not milled
Dissolution		Water Leach	Water Leach	Water Leach	Water Leach	Water Leach	Water Leach	Water Leach	Water Leach	Water Leach	Water Leach	Water Leach	Water Leach	Water Leach	Water Leach	Water Leach	Water Leach
Instrumentation		ICP-MS	ICP-ES	ICP-MS	ICP-MS	ICP-MS	ICP-ES	ICP-MS	ICP-MS	ICP-MS	ICP-MS	ICP-ES	ICP-MS	ICP-ES	ICP-MS	ICP-ES	ICP-MS
171	PE071002	<4	7	<1	4.9	<16	<4	<0.8	1.2	29	<0.4	<4	<1	<0.08	<80	14	1.4
172	PE071003	<4	8	<1	10.3	<16	<4	0.9	2.4	21	<0.4	5	<1	<0.08	<80	15	2.3
173	PE071004	<4	7	<1	4.6	<16	<4	1.2	1.1	44	<0.4	6	<1	<0.08	<80	17	1.2
174	PE071005	<4	7	<1	11.1	<16	<4	2.4	2.7	52	<0.4	<4	<1	<0.08	<80	23	3.2
175	PE071006	<4	17	<1	73.5	<16	<4	24.0	15.7	11	<0.4	<4	<1	<0.08	<80	27	18.1
176	PE071007	<4	14	<1	11.7	<16	<4	3.2	2.5	15	<0.4	7	<1	<0.08	<80	12	2.8
177	PE071008	<4	12	<1	36.0	<16	6	2.0	8.2	18	<0.4	<4	<1	<0.08	<80	13	7.5
178	PE071009	<4	11	<1	27.5	<16	<4	11.3	5.5	49	<0.4	8	<1	<0.08	<80	23	7.4

C-horizon  
<2mm fraction  
Water Leach

North American Soil Geochemical Landscapes Project  
Soil Geochemistry Data

Variable		Sn	Sr	Ta	Tb	Te	Th	Ti	Tl	Tm	U	V	W	Y	Yb	Zn	Zr
Unit		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Min. Detection Limit		1	40	0.8	0.4	2	2	40	0.4	0.4	0.4	8	2	0.8	0.4	40	4
Sample Preparation		not milled	not milled	not milled	not milled	not milled	not milled	not milled	not milled	not milled	not milled	not milled	not milled	not milled	not milled	not milled	not milled
Dissolution		Water Leach	Water Leach	Water Leach	Water Leach	Water Leach	Water Leach	Water Leach	Water Leach	Water Leach	Water Leach	Water Leach	Water Leach	Water Leach	Water Leach	Water Leach	Water Leach
Instrumentation		ICP-MS	ICP-MS	ICP-MS	ICP-MS	ICP-MS	ICP-MS	ICP-MS	ICP-MS	ICP-MS	ICP-MS	ICP-MS	ICP-MS	ICP-MS	ICP-MS	ICP-MS	ICP-MS
171	PE071002	<1	<40	<0.8	<0.4	<2	4	<40	<0.4	<0.4	1.5	10	<2	3.6	<0.4	<40	30
172	PE071003	<1	<40	<0.8	<0.4	<2	<2	<40	<0.4	<0.4	1.7	9	<2	4.8	0.6	<40	31
173	PE071004	<1	<40	<0.8	<0.4	<2	<2	<40	<0.4	<0.4	1.0	<8	<2	3.3	<0.4	<40	16
174	PE071005	<1	<40	<0.8	0.5	<2	2	<40	<0.4	<0.4	2.4	24	<2	8.1	0.9	53	35
175	PE071006	<1	51	<0.8	2.5	<2	<2	<40	<0.4	0.7	0.5	120	<2	68.1	4.0	<40	8
176	PE071007	<1	<40	<0.8	<0.4	<2	<2	<40	<0.4	<0.4	0.7	47	<2	9.3	0.7	<40	<4
177	PE071008	<1	<40	<0.8	1.3	<2	<2	<40	<0.4	<0.4	1.2	149	<2	39.1	2.0	<40	8
178	PE071009	<1	<40	<0.8	0.9	<2	<2	<40	<0.4	<0.4	1.5	31	<2	15.5	1.6	<40	20