Analysis Report

CANTEST LTD.

Professional
Analytical
Services

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REPORT ON: Analysis of Soil Samples

REPORTED TO: Environmental Dynamics Inc.
Box 5
2011 Pulp Mill Rd
Prince George, BC
V2L 4R9

Att'n: Pat Tobler

cc: Environmental Dynamics 3128 3rd Avenue Whitehorse YK Y1A 1E7

CHAIN OF CUSTODY: 190465, 190461, 190462, 190463

NUMBER OF SAMPLES: 78

REPORT DATE: February 21, 2006

DATE SUBMITTED: November 18, 2005

GROUP NUMBER: 61122053

SAMPLE TYPE: Soil

NOTE: Results contained in this report refer only to the testing of samples as submitted. Other information is available on request.

TEST METHODS:

pH in Soil or Solid - analysis was performed based on procedures described in the Manual on Soil Sampling and Methods of Analysis, published by the Canadian Society of Soil Science,1993. The test was performed using a deionized water leach with measurement by pH meter.

Mercury in Soil - analysis was performed using Cold Vapour Atomic Fluorescence.

Strong Acid Leachable Metals in Soil - analysis was performed using B.C. MOELP Method "Strong Acid Leachable Metals in Soil, Version 1.0". The method involves drying the sample at 60 C, sieving using a 2 mm (10 mesh) sieve and digestion using a mixture of hydrochloric and nitric acids. Analysis was performed using Inductively Coupled Argon Plasma Spectroscopy (ICAP) or by specific techniques as described.

Selenium in Soil - analysis was using Inductively Coupled Plasma Mass Spectrometry (ICP/MS).

TEST RESULTS:

(See following pages)

CANTEST LTD.

Richard S. Jornitz
Supervisor, Inorganic Testing

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CANTEST

Conventional Parameters in Soil

CLIENT SAMPLE IDENTIFICATION:	CANTEST ID	pH
D@R-1/-2/-3	511220311	7.4
D@R-1/-2/-3 dup	511220312	7.4
UD-1/-2/-3	511220313	7.7
UD-1/-2/-3 dup	511220314	7.7
VIC-DSD-1/-2/-3	511220315	7.8
VIC-DSD-1/-2/-3 dup	511220316	7.8
VIC-USB-1/-2/-3	511220317	7.6
VIC@R-1/-2/-3	511220318	7.4
BSP-1/-2/-3	511220319	7.9
VIC-DSB-1/-2/-3	511220320	7.8
1-V1	511220321	7.6
1-V2	511220322	7.6
1-V3	511220323	7.5
1-V4	511220324	7.5
1-V5	511220325	7.6
11-V1	511220326	7.5
1-D1	511220327	7.9
1-D2	511220328	7.3
1-D3	511220329	7.6
1-D4	511220330	7.7
1-D5	511220331	7.8
2-C3-1	511220332	6.5
1-J1-1	511220337	7.6
2-J2-1	511220338	6.7
2-J1-1	511220339	7.2
2-O1-2	511220340	5.8
1-J2-1	511220341	7.5
1-K2-1	511220342	7.2
1-C3-2	511220343	5.9
2-K2-1	511220344	5.8
1-C3-1	511220345	5.8
1-P1-1	511220347	7.3
3-R2-1	511220348	6.4
2-R2-1	511220349	5.8
1-R2-1	511220350	4.8
1-P2-1	511220351	5.3
3-P2-1	511220353	6.3
2-P1-1	511220354	6.9

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CANTEST®

Conventional Parameters in Soil

CLIENT SAMPLE IDENTIFICATION:	CANTEST ID	pH
2-P2-1	511220355	6.1
2-P3-1	511220356	6.4
1-P3-1	511220357	5.0
2-P3-2	511220358	6.1
3-P3-1	511220362	5.9
3-H2-1	511220363	6.0
1-H2-1	511220365	5.7
2-H2-1	511220367	6.2
3-G1-1	511220368	6.3
1-G1-2	511220369	6.6
1-G1-1	511220370	6.7
2-G1-1	511220371	6.7
1-R3-1	511220373	7.6
2-R3-1	511220375	7.3
1-H1-1	511220376	5.6
2-H1-1	511220377	6.3
1-G2-1	511220378	6.7
2-G2-1	511220379	6.8
3-G2-1	511220381	6.2
1-I1-1	511220382	5.9
2-I1-1	511220383	6.0
3-B1-1	511220384	6.1
2-B1-1	511220386	5.8
1-B1-1	511220387	4.9
1-H3-1	511220389	5.6
2-H3-1	511220390	5.8
3-H3-1	511220391	5.4
3-I1-1	511220392	5.9
3-I1-2	511220393	6.0
3-I2-1	511220394	6.0
2-I2-1	511220395	5.8
1-I2-1	511220396	5.9
1-C1-1	511220398	5.1
2-C1-1	511220399	5.7
3-C1-1	511220402	6.1
1-O1-1	511220409	6.1
2-O1-1	511220412	5.8
3-C2-1	511220414	6.5
2-C2-1	511220415	5.2

(Continued on next page)

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Conventional Parameters in Soil

CLIENT SAMPLE IDENTIFICATION:	CANTEST ID	pH
1-C2-1	511220416	5.3
DETECTION LIMIT		0.1
UNITS		pH units

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Strong Acid Soluble Metals in Soil

CLIENT SAMPLE IDENTIFICATION:		D@R-1/-2/-3	D@R-1/-2/-3 dup	UD-1/-2/-3	UD-1/-2/-3 dup	
CANTEST ID:		511220311	511220312	511220313	511220314	DETECTION LIMIT
Antimony	Sb	<	<	<	<	10
Arsenic	As	206	216	38	35	10
Barium	Ba	43	46	55	47	1
Beryllium	Be	<	<	<	<	1
Cadmium	Cd	1.7	1.7	0.5	<	0.5
Chromium	Cr	13	14	13	13	2
Cobalt	Co	4	4	5	5	1
Copper	Cu	7	7	16	15	1
Lead	Pb	25	24	5	6	5
Mercury	Hg	<	<	<	<	0.01
Molybdenum	Mo	<	<	<	<	4
Nickel	Ni	6	6	7	7	2
Selenium	Se	<	<	<	<	0.2
Silver	Ag	<	<	<	<	2
Tin	Sn	<	<	<	<	5
Vanadium	V	38	39	30	29	1
Zinc	Zn	54	55	46	43	1
Aluminum	Al	5060	5030	6310	6180	10
Boron	B	<	<	<	<	1
Calcium	Ca	4110	4150	5630	5440	1
Iron	Fe	15200	15600	12800	12400	2
Magnesium	Mg	2210	2220	2770	2730	0.1
Manganese	Mn	159	165	228	223	1
Phosphorus	P	803	789	715	681	20
Potassium	K	396	395	494	487	10
Sodium	Na	165	163	201	185	5
Strontium	Sr	16	16	21	20	1
Titanium	Ti	262	266	306	298	1
Zirconium	Zr	1	1	1	1	1

Results expressed as micrograms per gram, on a dry weight basis. (μg/g)
< = Less than detection limit

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Strong Acid Soluble Metals in Soil

CLIENT SAMPLE IDENTIFICATION:		VIC-DSD-1/-2/-3	VIC-DSD-1/-2/-3 dup	VIC-USB-1/-2/-3	VIC@R-1/-2/-3	
CANTEST ID:		511220315	511220316	511220317	511220318	DETECTION LIMIT
Antimony	Sb	<	<	<	<	10
Arsenic	As	<	<	<	<	10
Barium	Ba	69	72	67	59	1
Beryllium	Be	<	<	<	<	1
Cadmium	Cd	<	<	<	<	0.5
Chromium	Cr	11	11	10	8	2
Cobalt	Co	3	4	3	3	1
Copper	Cu	6	6	5	4	1
Lead	Pb	6	6	<	<	5
Mercury	Hg	0.012	0.010	<	<	0.01
Molybdenum	Mo	<	<	<	<	4
Nickel	Ni	5	5	4	4	2
Selenium	Se	<	<	<	<	0.2
Silver	Ag	<	<	<	<	2
Tin	Sn	<	<	<	<	5
Vanadium	V	30	33	27	25	1
Zinc	Zn	31	32	26	26	1
Aluminum	Al	4880	5020	4670	4070	10
Boron	B	<	<	<	<	1
Calcium	Ca	2910	3060	2800	2650	1
Iron	Fe	11500	12100	10500	10000	2
Magnesium	Mg	1870	1900	1800	1620	0.1
Manganese	Mn	192	196	118	172	1
Phosphorus	P	687	717	656	614	20
Potassium	K	320	326	297	269	10
Sodium	Na	121	122	112	107	5
Strontium	Sr	16	16	16	13	1
Titanium	Ti	259	279	245	233	1
Zirconium	Zr	1	1	<	<	1

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CLIENT SAMPLE IDENTIFICATION:		BSP-1/-2/-3	VIC-DSB-1/-2/-3	1-V1	1-V2	
CANTEST ID:		511220319	511220320	511220321	511220322	DETECTION LIMIT
Antimony	Sb	<	<	<	<	10
Arsenic	As	25	<	<	<	10
Barium	Ba	45	63	67	71	1
Beryllium	Be	<	<	<	<	1
Cadmium	Cd	<	<	<	<	0.5
Chromium	Cr	12	12	12	12	2
Cobalt	Co	4	3	3	3	1
Copper	Cu	6	5	18	17	1
Lead	Pb	6	<	<	8	5
Mercury	Hg	<	<	<	<	0.01
Molybdenum	Mo	<	<	<	<	4
Nickel	Ni	7	4	4	5	2
Selenium	Se	<	<	<	<	0.2
Silver	Ag	<	<	<	<	2
Tin	Sn	<	<	<	<	5
Vanadium	V	28	40	36	37	1
Zinc	Zn	44	28	28	31	1
Aluminum	Al	5790	4310	4620	4560	10
Boron	B	<	<	<	<	1
Calcium	Ca	6600	2870	3020	2880	1
Iron	Fe	11500	14000	12600	13100	2
Magnesium	Mg	2770	1670	1760	1750	0.1
Manganese	Mn	302	147	113	127	1
Phosphorus	P	641	725	774	721	20
Potassium	K	456	280	292	289	10
Sodium	Na	170	105	115	112	5
Strontium	Sr	22	15	15	15	1
Titanium	Ti	295	247	287	275	1
Zirconium	Zr	1	1	1	1	1

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Strong Acid Soluble Metals in Soil

CLIENT SAMPLE IDENTIFICATION:		1-V3	1-V4	1-V5	11-V1	
CANTEST ID:		511220323	511220324	511220325	511220326	DETECTION LIMIT
Antimony	Sb	<	<	<	<	10
Arsenic	As	<	17	<	<	10
Barium	Ba	66	77	70	72	1
Beryllium	Be	<	<	<	<	1
Cadmium	Cd	<	<	<	<	0.5
Chromium	Cr	18	11	9	12	2
Cobalt	Co	4	4	3	3	1
Copper	Cu	12	19	11	19	1
Lead	Pb	7	9	<	5	5
Mercury	Hg	<	<	<	0.012	0.01
Molybdenum	Mo	<	<	<	<	4
Nickel	Ni	5	6	4	5	2
Selenium	Se	<	<	<	<	0.2
Silver	Ag	<	<	<	<	2
Tin	Sn	<	<	<	<	5
Vanadium	V	67	26	23	32	1
Zinc	Zn	30	45	30	30	1
Aluminum	Al	4270	5690	4980	4750	10
Boron	B	<	<	<	<	1
Calcium	Ca	3520	3000	3030	3050	1
Iron	Fe	20100	11100	9580	12000	2
Magnesium	Mg	1620	2280	1900	1830	0.1
Manganese	Mn	143	207	139	119	1
Phosphorus	P	1010	697	734	753	20
Potassium	K	261	378	304	296	10
Sodium	Na	100	129	121	109	5
Strontium	Sr	14	17	15	15	1
Titanium	Ti	322	255	238	269	1
Zirconium	Zr	1	1	<	1	1

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Strong Acid Soluble Metals in Soil

CLIENT SAMPLE IDENTIFICATION:		1-D1	1-D2	1-D3	1-D4	
CANTEST ID:		511220327	511220328	511220329	511220330	DETECTION LIMIT
Antimony	Sb	49	<	<	<	10
Arsenic	As	1180	13	14	11	10
Barium	Ba	88	47	42	58	1
Beryllium	Be	<	<	<	<	1
Cadmium	Cd	13.1	<	<	<	0.5
Chromium	Cr	11	12	8	10	2
Cobalt	Co	4	3	3	3	1
Copper	Cu	40	11	9	18	1
Lead	Pb	295	<	<	6	5
Mercury	Hg	0.05	<	<	<	0.01
Molybdenum	Mo	<	<	<	<	4
Nickel	Ni	6	6	5	6	2
Selenium	Se	0.2	<	<	<	0.2
Silver	Ag	7	<	<	<	2
Tin	Sn	<	<	<	<	5
Vanadium	V	21	29	15	16	1
Zinc	Zn	662	33	33	27	1
Aluminum	Al	6370	5450	4680	4960	10
Boron	B	<	<	<	<	1
Calcium	Ca	4450	3350	2620	2520	1
Iron	Fe	14500	11200	7380	8330	2
Magnesium	Mg	2740	2290	1860	2170	0.1
Manganese	Mn	305	95	88	133	1
Phosphorus	P	683	721	471	420	20
Potassium	K	556	412	324	493	10
Sodium	Na	127	138	121	148	5
Strontium	Sr	18	15	12	13	1
Titanium	Ti	273	293	229	236	1
Zirconium	Zr	1	1	1	1	1

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Strong Acid Soluble Metals in Soil

CLIENT SAMPLE IDENTIFICATION:		1-D5	2-C3-1	1-J1-1	2-J2-1	
CANTEST ID:		511220331	511220332	511220337	511220338	DETECTION LIMIT
Antimony	Sb	<	<	25	<	10
Arsenic	As	64	<	485	70	10
Barium	Ba	66	12	162	58	1
Beryllium	Be	<	<	<	<	1
Cadmium	Cd	0.8	<	4.6	<	0.5
Chromium	Cr	14	2	7	6	2
Cobalt	Co	5	2	11	3	1
Copper	Cu	30	<	33	7	1
Lead	Pb	19	<	129	11	5
Mercury	Hg	0.01	<	0.06	0.05	0.01
Molybdenum	Mo	<	<	<	<	4
Nickel	Ni	8	<	6	2	2
Selenium	Se	<	<	0.3	<	0.2
Silver	Ag	<	<	<	<	2
Tin	Sn	<	<	<	<	5
Vanadium	V	27	29	61	43	1
Zinc	Zn	75	12	253	37	1
Aluminum	Al	6980	1030	12800	4170	10
Boron	B	<	<	<	<	1
Calcium	Ca	5840	1320	5290	2390	1
Iron	Fe	12100	7690	26800	12000	2
Magnesium	Mg	3170	388	6910	958	0.1
Manganese	Mn	180	47	838	85	1
Phosphorus	P	566	488	895	706	20
Potassium	K	548	153	2150	293	10
Sodium	Na	174	224	114	146	5
Strontium	Sr	22	9	24	11	1
Titanium	Ti	342	443	482	492	1
Zirconium	Zr	1	<	2	2	1

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Strong Acid Soluble Metals in Soil

CLIENT SAMPLE IDENTIFICATION:		2-J1-1	2-O1-2	1-J2-1	1-K2-1	
CANTEST ID:		511220339	511220340	511220341	511220342	DETECTION LIMIT
Antimony	Sb	<	<	<	<	10
Arsenic	As	247	<	209	290	10
Barium	Ba	1310	136	163	260	1
Beryllium	Be	<	<	<	<	1
Cadmium	Cd	7.0	0.6	1.7	3.1	0.5
Chromium	Cr	8	12	8	17	2
Cobalt	Co	59	2	12	8	1
Copper	Cu	27	18	19	41	1
Lead	Pb	34	<	13	28	5
Mercury	Hg	0.10	0.05	0.09	0.11	0.01
Molybdenum	Mo	<	<	<	<	4
Nickel	Ni	14	6	6	13	2
Selenium	Se	0.7	0.2	0.3	2.0	0.2
Silver	Ag	<	<	<	<	2
Tin	Sn	<	<	<	<	5
Vanadium	V	30	18	34	49	1
Zinc	Zn	222	41	67	136	1
Aluminum	Al	10600	9520	5570	13000	10
Boron	B	<	<	<	<	1
Calcium	Ca	12100	4720	8960	11100	1
Iron	Fe	37400	8880	20500	32300	2
Magnesium	Mg	1870	1770	1660	3390	0.1
Manganese	Mn	21200	93	1340	1120	1
Phosphorus	P	929	760	1110	1030	20
Potassium	K	808	330	606	462	10
Sodium	Na	82	163	87	118	5
Strontium	Sr	73	28	40	47	1
Titanium	Ti	130	229	89	276	1
Zirconium	Zr	1	2	<	2	1

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Strong Acid Soluble Metals in Soil

CLIENT SAMPLE IDENTIFICATION:		1-C3-2	2-K2-1	1-C3-1	1-P1-1	
CANTEST ID:		511220343	511220344	511220345	511220347	DETECTION LIMIT
Antimony	Sb	<	<	<	<	10
Arsenic	As	22	125	<	14	10
Barium	Ba	108	186	134	442	1
Beryllium	Be	<	<	<	<	1
Cadmium	Cd	<	1.5	<	2.7	0.5
Chromium	Cr	6	20	5	3	2
Cobalt	Co	4	7	3	15	1
Copper	Cu	10	36	14	33	1
Lead	Pb	7	25	<	<	5
Mercury	Hg	0.06	0.13	0.08	0.05	0.01
Molybdenum	Mo	<	<	<	<	4
Nickel	Ni	2	10	3	9	2
Selenium	Se	0.3	1.4	0.3	0.5	0.2
Silver	Ag	<	<	<	<	2
Tin	Sn	<	<	<	<	5
Vanadium	V	59	41	32	5	1
Zinc	Zn	14	99	13	25	1
Aluminum	Al	4650	14000	4750	3750	10
Boron	B	<	<	<	<	1
Calcium	Ca	2590	5150	3060	19800	1
Iron	Fe	16800	20800	10500	19100	2
Magnesium	Mg	555	3860	343	1190	0.1
Manganese	Mn	319	687	265	1530	1
Phosphorus	P	925	877	1360	621	20
Potassium	K	153	493	112	94	10
Sodium	Na	69	89	50	50	5
Strontium	Sr	25	22	32	150	1
Titanium	Ti	169	345	85	31	1
Zirconium	Zr	1	2	<	2	1

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Strong Acid Soluble Metals in Soil

CLIENT SAMPLE IDENTIFICATION:		3-R2-1	2-R2-1	1-R2-1	1-P2-1	
CANTEST ID:		511220348	511220349	511220350	511220351	DETECTION LIMIT
Antimony	Sb	<	<	<	<	10
Arsenic	As	14	<	<	<	10
Barium	Ba	66	5	82	255	1
Beryllium	Be	<	<	<	<	1
Cadmium	Cd	<	<	4.5	1.0	0.5
Chromium	Cr	14	<	5	7	2
Cobalt	Co	5	2	2	5	1
Copper	Cu	7	1	7	15	1
Lead	Pb	12	<	<	<	5
Mercury	Hg	<	<	0.06	0.11	0.01
Molybdenum	Mo	<	<	<	<	4
Nickel	Ni	7	<	5	6	2
Selenium	Se	<	<	<	0.4	0.2
Silver	Ag	<	<	<	<	2
Tin	Sn	<	<	<	<	5
Vanadium	V	30	25	13	10	1
Zinc	Zn	45	9	34	18	1
Aluminum	Al	8560	853	2420	7710	10
Boron	B	<	<	<	<	1
Calcium	Ca	1970	377	2110	9400	1
Iron	Fe	13100	6380	5280	7100	2
Magnesium	Mg	2430	212	373	1160	0.1
Manganese	Mn	198	30	66	319	1
Phosphorus	P	458	55	610	988	20
Potassium	K	366	112	262	567	10
Sodium	Na	76	184	119	158	5
Strontium	Sr	11	6	23	73	1
Titanium	Ti	398	315	47	180	1
Zirconium	Zr	1	<	<	<	1

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Strong Acid Soluble Metals in Soil

CLIENT SAMPLE IDENTIFICATION:		3-P2-1	2-P1-1	2-P2-1	2-P3-1	
CANTEST ID:		511220353	511220354	511220355	511220356	DETECTION LIMIT
Antimony	Sb	<	<	<	<	10
Arsenic	As	17	62	<	<	10
Barium	Ba	209	120	48	25	1
Beryllium	Be	<	<	<	<	1
Cadmium	Cd	<	0.7	<	<	0.5
Chromium	Cr	19	9	4	2	2
Cobalt	Co	8	4	5	2	1
Copper	Cu	24	9	3	2	1
Lead	Pb	11	13	<	<	5
Mercury	Hg	0.05	0.02	<	<	0.01
Molybdenum	Mo	<	<	<	<	4
Nickel	Ni	10	4	<	<	2
Selenium	Se	<	<	<	<	0.2
Silver	Ag	<	<	<	<	2
Tin	Sn	<	<	<	<	5
Vanadium	V	43	29	26	26	1
Zinc	Zn	49	37	14	11	1
Aluminum	Al	15500	5960	3580	1570	10
Boron	B	<	<	<	<	1
Calcium	Ca	5120	3530	1670	1200	1
Iron	Fe	17700	15100	8320	6850	2
Magnesium	Mg	3010	1660	574	302	0.1
Manganese	Mn	405	121	242	70	1
Phosphorus	P	596	550	435	429	20
Potassium	K	532	291	178	120	10
Sodium	Na	152	144	246	229	5
Strontium	Sr	34	27	11	8	1
Titanium	Ti	352	254	331	338	1
Zirconium	Zr	1	1	<	<	1

Results expressed as micrograms per gram, on a dry weight basis. (μg/g)
< = Less than detection limit

REPORTED TO: Environmental Dynamics Inc.

REPORT DATE: February 21, 2006

GROUP NUMBER: 61122053

CANTEST

Strong Acid Soluble Metals in Soil

CLIENT SAMPLE IDENTIFICATION:		1-P3-1	2-P3-2	3-P3-1	3-H2-1	
CANTEST ID:		511220357	511220358	511220362	511220363	DETECTION LIMIT
Antimony	Sb	<	<	<	<	10
Arsenic	As	<	<	22	32	10
Barium	Ba	277	21	453	159	1
Beryllium	Be	<	<	<	<	1
Cadmium	Cd	6.5	<	2.0	<	0.5
Chromium	Cr	6	2	23	18	2
Cobalt	Co	3	2	15	6	1
Copper	Cu	42	2	90	32	1
Lead	Pb	<	<	23	8	5
Mercury	Hg	0.08	<	0.03	0.09	0.01
Molybdenum	Mo	<	<	<	<	4
Nickel	Ni	10	<	16	10	2
Selenium	Se	0.4	<	<	0.4	0.2
Silver	Ag	<	<	<	<	2
Tin	Sn	<	<	<	<	5
Vanadium	V	9	28	54	48	1
Zinc	Zn	45	11	71	35	1
Aluminum	Al	4590	1370	19600	11100	10
Boron	B	<	<	<	<	1
Calcium	Ca	6240	1330	6050	3880	1
Iron	Fe	6520	7440	21300	19400	2
Magnesium	Mg	836	290	3090	3570	0.1
Manganese	Mn	73	55	1140	211	1
Phosphorus	P	972	506	701	603	20
Potassium	K	408	98	488	607	10
Sodium	Na	130	178	123	105	5
Strontium	Sr	63	8	51	19	1
Titanium	Ti	71	361	284	467	1
Zirconium	Zr	<	<	1	2	1

Results expressed as micrograms per gram, on a dry weight basis. (μg/g)
< = Less than detection limit

REPORTED TO: Environmental Dynamics Inc.

REPORT DATE: February 21, 2006

GROUP NUMBER: 61122053

CANTEST

Strong Acid Soluble Metals in Soil

CLIENT SAMPLE IDENTIFICATION:		1-H2-1	2-H2-1	3-G1-1	1-G1-2	
CANTEST ID:		511220365	511220367	511220368	511220369	DETECTION LIMIT
Antimony	Sb	<	<	<	<	10
Arsenic	As	<	<	24	48	10
Barium	Ba	528	17	90	258	1
Beryllium	Be	<	<	<	<	1
Cadmium	Cd	1.8	<	<	0.8	0.5
Chromium	Cr	7	<	13	5	2
Cobalt	Co	9	2	6	3	1
Copper	Cu	40	1	11	33	1
Lead	Pb	<	<	8	11	5
Mercury	Hg	0.14	<	0.04	0.11	0.01
Molybdenum	Mo	<	<	<	<	4
Nickel	Ni	11	<	5	7	2
Selenium	Se	0.9	<	<	0.5	0.2
Silver	Ag	<	<	<	<	2
Tin	Sn	<	<	<	<	5
Vanadium	V	11	16	54	12	1
Zinc	Zn	22	7	58	73	1
Aluminum	Al	9000	1100	10800	7350	10
Boron	B	<	<	<	7	1
Calcium	Ca	9370	1280	4100	22000	1
Iron	Fe	7640	4520	19900	7880	2
Magnesium	Mg	878	444	4490	1800	0.1
Manganese	Mn	5930	176	210	731	1
Phosphorus	P	1880	399	659	1290	20
Potassium	K	275	62	867	444	10
Sodium	Na	126	218	113	127	5
Strontium	Sr	62	11	17	95	1
Titanium	Ti	94	255	634	111	1
Zirconium	Zr	<	<	2	1	1

Results expressed as micrograms per gram, on a dry weight basis. (μg/g)
< = Less than detection limit

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GROUP NUMBER: 61122053

CANTEST

Strong Acid Soluble Metals in Soil

CLIENT SAMPLE IDENTIFICATION:		1-G1-1	2-G1-1	1-R3-1	2-R3-1	
CANTEST ID:		511220370	511220371	511220373	511220375	DETECTION LIMIT
Antimony	Sb	<	<	<	<	10
Arsenic	As	27	<	<	18	10
Barium	Ba	206	17	95	95	1
Beryllium	Be	<	<	<	<	1
Cadmium	Cd	0.6	<	2.8	<	0.5
Chromium	Cr	4	3	2	14	2
Cobalt	Co	2	5	2	3	1
Copper	Cu	30	4	19	6	1
Lead	Pb	8	<	<	35	5
Mercury	Hg	0.08	<	0.05	0.03	0.01
Molybdenum	Mo	<	<	<	<	4
Nickel	Ni	6	<	4	6	2
Selenium	Se	0.5	<	<	<	0.2
Silver	Ag	<	<	<	<	2
Tin	Sn	<	<	<	<	5
Vanadium	V	8	47	3	31	1
Zinc	Zn	45	20	55	107	1
Aluminum	Al	6280	1250	1640	9570	10
Boron	B	5	<	2	<	1
Calcium	Ca	18100	2180	12600	3550	1
Iron	Fe	6430	11900	2160	12100	2
Magnesium	Mg	1320	544	1260	2970	0.1
Manganese	Mn	686	326	793	645	1
Phosphorus	P	1200	768	612	489	20
Potassium	K	280	76	270	398	10
Sodium	Na	115	212	86	97	5
Strontium	Sr	81	12	68	19	1
Titanium	Ti	83	626	45	312	1
Zirconium	Zr	1	<	<	1	1

Results expressed as micrograms per gram, on a dry weight basis. (μg/g)
< = Less than detection limit

REPORTED TO: Environmental Dynamics Inc.

REPORT DATE: February 21, 2006

GROUP NUMBER: 61122053

CANTEST

Strong Acid Soluble Metals in Soil

CLIENT SAMPLE IDENTIFICATION:		1-H1-1	2-H1-1	1-G2-1	2-G2-1	
CANTEST ID:		511220376	511220377	511220378	511220379	DETECTION LIMIT
Antimony	Sb	<	<	<	<	10
Arsenic	As	16	25	<	<	10
Barium	Ba	379	123	389	10	1
Beryllium	Be	<	<	<	<	1
Cadmium	Cd	1.1	<	0.9	<	0.5
Chromium	Cr	7	13	4	3	2
Cobalt	Co	4	7	3	4	1
Copper	Cu	34	13	44	2	1
Lead	Pb	6	6	<	<	5
Mercury	Hg	0.09	0.02	0.08	<	0.01
Molybdenum	Mo	<	<	<	<	4
Nickel	Ni	11	6	11	<	2
Selenium	Se	<	<	0.3	<	0.2
Silver	Ag	<	<	<	<	2
Tin	Sn	<	<	<	<	5
Vanadium	V	15	46	6	37	1
Zinc	Zn	25	39	95	15	1
Aluminum	Al	6860	9470	6230	1000	10
Boron	B	<	<	2	<	1
Calcium	Ca	10300	2740	21700	2060	1
Iron	Fe	10400	17700	5810	10100	2
Magnesium	Mg	1490	3210	1720	434	0.1
Manganese	Mn	121	323	1710	223	1
Phosphorus	P	709	381	1110	757	20
Potassium	K	601	549	256	53	10
Sodium	Na	127	116	100	184	5
Strontium	Sr	68	13	100	11	1
Titanium	Ti	262	536	97	489	1
Zirconium	Zr	1	1	1	<	1

Results expressed as micrograms per gram, on a dry weight basis. (μg/g)
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CANTEST

Strong Acid Soluble Metals in Soil

CLIENT SAMPLE IDENTIFICATION:		3-G2-1	1-I1-1	2-I1-1	3-B1-1	
CANTEST ID:		511220381	511220382	511220383	511220384	DETECTION LIMIT
Antimony	Sb	<	<	<	<	10
Arsenic	As	96	17	<	<	10
Barium	Ba	81	285	21	33	1
Beryllium	Be	<	<	<	<	1
Cadmium	Cd	0.6	1.2	<	<	0.5
Chromium	Cr	12	6	3	9	2
Cobalt	Co	7	10	3	3	1
Copper	Cu	15	54	4	3	1
Lead	Pb	10	<	<	<	5
Mercury	Hg	0.07	0.13	0.01	<	0.01
Molybdenum	Mo	<	<	<	<	4
Nickel	Ni	5	14	<	5	2
Selenium	Se	<	0.6	<	<	0.2
Silver	Ag	<	<	<	<	2
Tin	Sn	<	<	<	<	5
Vanadium	V	65	11	33	25	1
Zinc	Zn	73	45	15	15	1
Aluminum	Al	9780	7540	1810	3820	10
Boron	B	<	<	<	<	1
Calcium	Ca	3050	11000	1470	1700	1
Iron	Fe	25100	8320	9270	9440	2
Magnesium	Mg	4020	1110	664	1520	0.1
Manganese	Mn	226	1870	72	103	1
Phosphorus	P	762	1230	443	366	20
Potassium	K	2150	359	160	324	10
Sodium	Na	81	90	205	85	5
Strontium	Sr	10	73	9	10	1
Titanium	Ti	731	102	439	299	1
Zirconium	Zr	2	<	<	1	1

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REPORTED TO: Environmental Dynamics Inc.

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CANTEST

Strong Acid Soluble Metals in Soil

CLIENT SAMPLE IDENTIFICATION:		2-B1-1	1-B1-1	1-H3-1	2-H3-1	
CANTEST ID:		511220386	511220387	511220389	511220390	DETECTION LIMIT
Antimony	Sb	<	<	<	<	10
Arsenic	As	<	<	<	<	10
Barium	Ba	6	54	164	31	1
Beryllium	Be	<	<	<	<	1
Cadmium	Cd	<	<	<	<	0.5
Chromium	Cr	<	4	6	2	2
Cobalt	Co	1	1	15	2	1
Copper	Cu	1	9	23	4	1
Lead	Pb	<	<	<	<	5
Mercury	Hg	<	0.09	0.10	<	0.01
Molybdenum	Mo	<	<	<	<	4
Nickel	Ni	<	3	4	<	2
Selenium	Se	<	<	0.4	<	0.2
Silver	Ag	<	<	<	<	2
Tin	Sn	<	<	<	<	5
Vanadium	V	13	8	13	16	1
Zinc	Zn	5	23	12	8	1
Aluminum	Al	634	2120	4180	1440	10
Boron	B	<	<	<	<	1
Calcium	Ca	556	1760	2640	1050	1
Iron	Fe	3510	3890	7710	5100	2
Magnesium	Mg	179	484	666	554	0.1
Manganese	Mn	37	93	1120	60	1
Phosphorus	P	192	906	1160	331	20
Potassium	K	96	394	320	154	10
Sodium	Na	143	113	93	209	5
Strontium	Sr	5	19	22	7	1
Titanium	Ti	172	73	63	235	1
Zirconium	Zr	<	<	<	<	1

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CANTEST

Strong Acid Soluble Metals in Soil

CLIENT SAMPLE IDENTIFICATION:		3-H3-1	3-I1-1	3-I1-2	3-I2-1	DETECTION LIMIT
CANTEST ID:		511220391	511220392	511220393	511220394	
Antimony	Sb	<	<	<	<	10
Arsenic	As	14	100	97	26	10
Barium	Ba	207	99	103	75	1
Beryllium	Be	<	<	<	<	1
Cadmium	Cd	<	0.8	0.8	<	0.5
Chromium	Cr	7	15	15	9	2
Cobalt	Co	10	7	6	5	1
Copper	Cu	18	24	28	10	1
Lead	Pb	7	9	9	<	5
Mercury	Hg	0.02	0.06	0.06	<	0.01
Molybdenum	Mo	<	<	<	<	4
Nickel	Ni	4	7	8	6	2
Selenium	Se	<	0.3	<	<	0.2
Silver	Ag	<	<	<	<	2
Tin	Sn	<	<	<	<	5
Vanadium	V	55	50	50	35	1
Zinc	Zn	63	58	60	32	1
Aluminum	Al	16000	12300	13000	6620	10
Boron	B	<	<	<	<	1
Calcium	Ca	4040	3180	3330	2530	1
Iron	Fe	22700	20000	19700	13500	2
Magnesium	Mg	8360	4490	4570	3860	0.1
Manganese	Mn	325	318	260	177	1
Phosphorus	P	1250	662	712	629	20
Potassium	K	2200	858	934	756	10
Sodium	Na	95	78	79	88	5
Strontium	Sr	25	20	20	12	1
Titanium	Ti	783	502	465	617	1
Zirconium	Zr	2	1	1	1	1

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CANTEST

Strong Acid Soluble Metals in Soil

CLIENT SAMPLE IDENTIFICATION:		2-I2-1	1-I2-1	1-C1-1	2-C1-1	
CANTEST ID:		511220395	511220396	511220398	511220399	DETECTION LIMIT
Antimony	Sb	<	<	<	<	10
Arsenic	As	68	25	<	<	10
Barium	Ba	128	265	52	46	1
Beryllium	Be	<	<	<	<	1
Cadmium	Cd	0.7	0.7	<	<	0.5
Chromium	Cr	16	6	10	8	2
Cobalt	Co	9	6	3	3	1
Copper	Cu	25	32	5	4	1
Lead	Pb	12	<	<	<	5
Mercury	Hg	0.05	0.14	0.02	0.01	0.01
Molybdenum	Mo	<	<	<	<	4
Nickel	Ni	8	7	5	5	2
Selenium	Se	<	0.5	<	<	0.2
Silver	Ag	<	<	<	<	2
Tin	Sn	<	<	<	<	5
Vanadium	V	55	15	28	21	1
Zinc	Zn	61	37	23	23	1
Aluminum	Al	12100	8370	3970	4520	10
Boron	B	<	2	<	<	1
Calcium	Ca	3120	9890	1340	1350	1
Iron	Fe	20800	8780	10700	8420	2
Magnesium	Mg	5250	1520	1500	1700	0.1
Manganese	Mn	384	580	116	87	1
Phosphorus	P	839	959	389	366	20
Potassium	K	1640	575	386	369	10
Sodium	Na	91	52	75	76	5
Strontium	Sr	18	74	12	10	1
Titanium	Ti	681	159	283	288	1
Zirconium	Zr	2	1	<	<	1

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GROUP NUMBER: 61122053

CANTEST

Strong Acid Soluble Metals in Soil

CLIENT SAMPLE IDENTIFICATION:		3-C1-1	1-O1-1	2-O1-1	3-C2-1	
CANTEST ID:		511220402	511220409	511220412	511220414	DETECTION LIMIT
Antimony	Sb	<	<	<	<	10
Arsenic	As	<	11	15	<	10
Barium	Ba	19	385	94	66	1
Beryllium	Be	<	<	<	<	1
Cadmium	Cd	<	5.0	<	<	0.5
Chromium	Cr	3	6	11	10	2
Cobalt	Co	3	8	3	3	1
Copper	Cu	2	26	11	5	1
Lead	Pb	<	<	5	<	5
Mercury	Hg	<	0.11	0.03	<	0.01
Molybdenum	Mo	<	<	<	<	4
Nickel	Ni	<	8	5	6	2
Selenium	Se	<	0.6	0.2	<	0.2
Silver	Ag	<	<	<	<	2
Tin	Sn	<	<	<	<	5
Vanadium	V	30	10	30	21	1
Zinc	Zn	12	105	40	22	1
Aluminum	Al	1600	7850	6920	5390	10
Boron	B	<	3	<	<	1
Calcium	Ca	1050	15300	3810	1850	1
Iron	Fe	8370	8860	12900	9290	2
Magnesium	Mg	483	1320	2070	2080	0.1
Manganese	Mn	43	2840	205	128	1
Phosphorus	P	383	1190	751	418	20
Potassium	K	193	247	332	428	10
Sodium	Na	264	90	128	87	5
Strontium	Sr	10	92	24	13	1
Titanium	Ti	427	93	332	291	1
Zirconium	Zr	<	1	1	<	1

Results expressed as micrograms per gram, on a dry weight basis. (μg/g)
< = Less than detection limit

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REPORT DATE: February 21, 2006

GROUP NUMBER: 61122053

CANTEST

Strong Acid Soluble Metals in Soil

CLIENT SAMPLE IDENTIFICATION:		2-C2-1	1-C2-1	DETECTION LIMIT
CANTEST ID:		511220415	511220416	
Antimony	Sb	<	<	10
Arsenic	As	<	<	10
Barium	Ba	11	174	1
Beryllium	Be	<	<	1
Cadmium	Cd	<	<	0.5
Chromium	Cr	3	4	2
Cobalt	Co	2	1	1
Copper	Cu	2	13	1
Lead	Pb	<	<	5
Mercury	Hg	<	0.16	0.01
Molybdenum	Mo	<	<	4
Nickel	Ni	<	5	2
Selenium	Se	<	<	0.2
Silver	Ag	<	<	2
Tin	Sn	<	<	5
Vanadium	V	22	7	1
Zinc	Zn	10	18	1
Aluminum	Al	1490	2370	10
Boron	B	<	<	1
Calcium	Ca	419	2040	1
Iron	Fe	6420	3790	2
Magnesium	Mg	518	376	0.1
Manganese	Mn	34	66	1
Phosphorus	P	87	948	20
Potassium	K	149	727	10
Sodium	Na	134	90	5
Strontium	Sr	5	31	1
Titanium	Ti	316	81	1
Zirconium	Zr	<	<	1

Results expressed as micrograms per gram, on a dry weight basis. (μg/g)
< = Less than detection limit

REPORTED TO: Environmental Dynamics Inc.

REPORT DATE: February 21, 2006

GROUP NUMBER: 61122053

CANTEST

Batch Quality Control for Strong Acid Soluble Metals in Soil (QC# 73301)

Parameter		Blank (ug/g)	Blank Limits	Duplicate (R.P.D.) 511220316	Duplicate Limits	Duplicate (R.P.D.) 511220327	Duplicate Limits
Antimony	Sb	-	-	NC	30	PASS	30
Arsenic	As	< 10	10	NC	30	13.6	30
Barium	Ba	< 1	1	4.2	30	4.5	30
Beryllium	Be	-	-	NC	30	NC	30
Chromium	Cr	-	-	0	30	9.5	30
Cobalt	Co	-	-	PASS	30	PASS	30
Copper	Cu	< 1	1	0	30	12.3	30
Lead	Pb	< 5	5	PASS	30	6.8	30
Mercury	Hg	< 0.01	0.001	0	30	6.3	30
Molybdenum	Mo	-	-	NC	30	NC	30
Nickel	Ni	< 2	2	PASS	30	PASS	30
Selenium	Se	< 0.2	0.2	NC	30	NC	30
Tin	Sn	-	-	NC	30	NC	30
Vanadium	V	-	-	0	30	0	30
Zinc	Zn	< 1	1	0	30	1.4	30

ug/g = micrograms per gram
R.P.D. = Relative Percent Difference
PASS = Duplicate sample results were in the range of one to five times the detection limit. R.P.D. calculation is not applicable in this range. Acceptance criteria is a maximum difference between the duplicates equivalent to the value of the detection limit.
NC = Not Calculated. Duplicate sample results were less than the detection limit. Relative Percent Difference calculation is not defined for analyte levels of less than detection limit.

REPORTED TO: Environmental Dynamics Inc.

REPORT DATE: February 21, 2006

GROUP NUMBER: 61122053

Batch Quality Control for Strong Acid Soluble Metals in Soil (QC# 73301)

Parameter		Duplicate (R.P.D.) 511220336	Duplicate Limits	Duplicate (R.P.D.) 511220341	Duplicate Limits	Duplicate (R.P.D.) 511220353	Duplicate Limits
Antimony	Sb	NC	30	NC	30	NC	30
Arsenic	As	NC	30	1.4	30	PASS	30
Barium	Ba	PASS	30	9.8	30	0.5	30
Beryllium	Be	NC	30	NC	30	NC	30
Chromium	Cr	10.3	30	PASS	30	0	30
Cobalt	Co	3.8	30	8.7	30	0	30
Copper	Cu	5.4	30	5.4	30	0	30
Lead	Pb	22.1	30	PASS	30	PASS	30
Mercury	Hg	NC	30	8.7	30	27.3	30
Molybdenum	Mo	NC	30	NC	30	NC	30
Nickel	Ni	PASS	30	PASS	30	0	30
Selenium	Se	16.8	30	PASS	30	NC	30
Tin	Sn	PASS	30	NC	30	NC	30
Vanadium	V	PASS	30	2.9	30	2.4	30
Zinc	Zn	19.5	30	4.5	30	0	30

ug/g = micrograms per gram
R.P.D. = Relative Percent Difference
PASS = Duplicate sample results were in the range of one to five times the detection limit. R.P.D. calculation is not applicable in this range. Acceptance criteria is a maximum difference between the duplicates equivalent to the value of the detection limit.
NC = Not Calculated. Duplicate sample results were less than the detection limit. Relative Percent Difference calculation is not defined for analyte levels of less than detection limit.

REPORTED TO: Environmental Dynamics Inc.

REPORT DATE: February 21, 2006

GROUP NUMBER: 61122053

CANTEST

Batch Quality Control for Strong Acid Soluble Metals in Soil (QC# 73301)

Parameter		Duplicate (R.P.D.) 511220368	Duplicate Limits	Duplicate (R.P.D.) 511220381	Duplicate Limits	Duplicate (R.P.D.) 511220393	Duplicate Limits
Antimony	Sb	NC	30	NC	30	NC	30
Arsenic	As	PASS	30	3.1	30	25.6	30
Barium	Ba	1.1	30	3.7	30	1.9	30
Beryllium	Be	NC	30	NC	30	NC	30
Chromium	Cr	7.4	30	8.7	30	6.9	30
Cobalt	Co	0	30	0	30	15.4	30
Copper	Cu	0	30	6.9	30	0	30
Lead	Pb	PASS	30	PASS	30	PASS	30
Mercury	Hg	2.4	30	0	30	4.7	30
Molybdenum	Mo	NC	30	NC	30	NC	30
Nickel	Ni	PASS	30	PASS	30	PASS	30
Selenium	Se	NC	30	NC	30	NC	30
Tin	Sn	NC	30	NC	30	NC	30
Vanadium	V	0	30	4.7	30	2	30
Zinc	Zn	3.4	30	5.5	30	0	30

ug/g = micrograms per gram
R.P.D. = Relative Percent Difference
PASS = Duplicate sample results were in the range of one to five times the detection limit. R.P.D. calculation is not applicable in this range. Acceptance criteria is a maximum difference between the duplicates equivalent to the value of the detection limit.
NC = Not Calculated. Duplicate sample results were less than the detection limit. Relative Percent Difference calculation is not defined for analyte levels of less than detection limit.

Batch Quality Control for Strong Acid Soluble Metals in Soil (QC# 73301)

Parameter		Duplicate (R.P.D.) 511220415	Duplicate Limits	NIST 2711 Montana Soil-SALM (% Recovery)	NIST 2711 Montana Soil-SALM Limits
Antimony	Sb	NC	30	-	-
Arsenic	As	NC	30	90	79 - 100
Barium	Ba	9.5	30	-	-
Beryllium	Be	NC	30	-	-
Cadmium	Cd	-	-	105	80 - 120
Chromium	Cr	PASS	30	-	-
Cobalt	Co	PASS	30	-	-
Copper	Cu	PASS	30	-	-
Lead	Pb	NC	30	94	77 - 115
Mercury	Hg	NC	30	115	84 - 122
Molybdenum	Mo	NC	30	-	-
Nickel	Ni	NC	30	73	41 - 120
Selenium	Se	NC	30	92	56 - 134
Tin	Sn	NC	30	-	-
Vanadium	V	18.2	30	-	-
Zinc	Zn	9.5	30	91	80 - 110
Calcium	Ca	-	-	69	67 - 85
Iron	Fe	-	-	66	55 - 97
Magnesium	Mg	-	-	70	59 - 89
Manganese	Mn	-	-	74	64 - 96
Sodium	Na	-	-	2	1 - 6
Strontium	Sr	-	-	16	10 - 34

ug/g = micrograms per gram
R.P.D. = Relative Percent Difference
PASS = Duplicate sample results were in the range of one to five times the detection limit. R.P.D. calculation is not applicable in this range. Acceptance criteria is a maximum difference between the duplicates equivalent to the value of the detection limit.
NC = Not Calculated. Duplicate sample results were less than the detection limit. Relative Percent Difference calculation is not defined for analyte levels of less than detection limit.

Batch Quality Control Frequency Summary

SALM in Soil Digestion (Batch# 73301)

QC Type	No. Samples
NIST 2711 Montana Soil-SALM	1
Blank	3
Duplicate	9

SALM Metals in Soil Sieve (Batch# 73295)

QC Type	No. Samples
Batch Size	78

SALM in Soil Digestion (Batch# 73301)

QC Type	No. Samples
Batch Size	92

Analysis Report

CANTEST LTD.

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REPORT ON: Analysis of Soil Samples

REPORTED TO: Environmental Dynamics
3128 3rd Avenue
Whitehorse, YK
Y1A 1E7

Att'n: Pat Tobler

CHAIN OF CUSTODY: 192250
PROJECT NAME: Mt. Hansen
P.O. NUMBER: 101162

NUMBER OF SAMPLES: 10

REPORT DATE: February 21, 2006

DATE SUBMITTED: January 17, 2006

GROUP NUMBER: 70118026

SAMPLE TYPE: Soil

NOTE: Results contained in this report refer only to the testing of samples as submitted. Other information is available on request.

TEST METHODS:

Moisture in Soil - analysis was performed gravimetrically by heating a separate sample portion at 105 C and measuring the weight loss.

pH in Soil or Solid - analysis was performed based on procedures described in the Manual on Soil Sampling and Methods of Analysis, published by the Canadian Society of Soil Science,1993. The test was performed using a deionized water leach with measurement by pH meter.

Available Ammonium, and Available Nitrate in Soil and Solid - analysis was performed based on procedures described in "Manual of Soil Sampling and Methods of Analysis", McKeague (1987). The procedures involve extraction using a potassium sulfate solution followed by colorimetric analysis. This analysis was performed by a subcontractor.

Total Kjeldahl Nitrogen - analysis was performed using an acid digestion, steam distillation, and titration. Results are reported on a dry weight basis; the samples were dried at 60 C. This test was performed by a subcontractor.

Fertility in Soil or Solid - analysis was performed using procedures described in "Manual of Soil Sampling and Methods of Analysis", Canadian Society of Soil Science, and "UBC Soil Science Laboratory Manual". These tests were performed by a subcontractor.

Mercury in Soil - analysis was performed using Cold Vapour Atomic Fluorescence.

(Continued)

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Richard S. Jornitz
Supervisor, Inorganic Testing

REPORTED TO: Environmental Dynamics

REPORT DATE: February 21, 2006

GROUP NUMBER: 70118026

Strong Acid Leachable Metals in Soil - analysis was performed using B.C. MOELP Method "Strong Acid Leachable Metals in Soil, Version 1.0". The method involves drying the sample at 60 C, sieving using a 2 mm (10 mesh) sieve and digestion using a mixture of hydrochloric and nitric acids. Analysis was performed using Inductively Coupled Argon Plasma Spectroscopy (ICAP) or by specific techniques as described.

Selenium in Soil - analysis was using Inductively Coupled Plasma Mass Spectrometry (ICP/MS).

COMMENTS:

Available Nitrate results for Sample #601180166 and sample #601180178 were not calculable due to inability of these samples to develop color.

TEST RESULTS:

(See following pages)

REPORTED TO: Environmental Dynamics

REPORT DATE: February 21, 2006

GROUP NUMBER: 70118026

CANTEST

Conventional Parameters in Soil

CLIENT SAMPLE IDENTIFICATION:	3-BVEG2-2	1-BVEG3-1	2-BVEG1-1	3-BVEG2-1		
DATE SAMPLED:	Nov 29/05	Nov 29/05	Nov 29/05	Nov 29/05	DETECTION LIMIT	UNITS
CANTEST ID:	601180164	601180166	601180169	601180172		
Available Nitrate Nitrogen	1.5	NC	37	1.7	0.1	ug/g as N
Available Ammonium Nitrogen	3	40	16	5	0.5	ug/g as N
Moisture	13.2	60.9	55.6	15.7	0.1	%
Total Kjeldahl Nitrogen N	0.06	0.02	0.50	0.05	0.02	% dry wt.
pH	7.2	5.4	5.9	6.3	0.1	pH units

ug/g as N = microgram per gram as N
% dry wt. = percent, dry weight basis

% = percent

REPORTED TO: Environmental Dynamics

REPORT DATE: February 21, 2006

GROUP NUMBER: 70118026

CANTEST®

Conventional Parameters in Soil

CLIENT SAMPLE IDENTIFICATION:	2-BVEG2-1	3-BVEG3-1	1-BVEG2-1	1-BVEG1-1	DETECTION LIMIT	UNITS
DATE SAMPLED:	Nov 29/05	Nov 29/05	Nov 29/05	Nov 29/05		
CANTEST ID:	601180173	601180175	601180176	601180177		
Available Nitrate Nitrogen	33	9.5	47	47	0.1	ug/g as N
Available Ammonium Nitrogen	16	8	27	60	0.5	ug/g as N
Moisture	57.3	23.0	41.1	68.0	0.1	%
Total Kjeldahl Nitrogen N	0.55	0.03	0.40	1.37	0.02	% dry wt.
pH	6.4	6.4	6.5	7.2	0.1	pH units

ug/g as N = microgram per gram as N
% dry wt. = percent, dry weight basis

% = percent

REPORTED TO: Environmental Dynamics

REPORT DATE: February 21, 2006

GROUP NUMBER: 70118026

CANTEST

Conventional Parameters in Soil

CLIENT SAMPLE IDENTIFICATION:	3-BVEG1-1	2-BVEG3-1		
DATE SAMPLED:	Nov 29/05	Nov 29/05	DETECTION LIMIT	UNITS
CANTEST ID:	601180178	601180180		
Available Nitrate Nitrogen	NC	44	0.1	ug/g as N
Available Ammonium Nitrogen	5	28	0.5	ug/g as N
Moisture	21.9	63.0	0.1	%
Total Kjeldahl Nitrogen N	0.05	0.77	0.02	% dry wt.
pH	6.6	5.7	0.1	pH units

ug/g as N = microgram per gram as N
% dry wt. = percent, dry weight basis

% = percent

REPORTED TO: Environmental Dynamics

REPORT DATE: February 21, 2006

GROUP NUMBER: 70118026

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Fertility in Soil

CLIENT SAMPLE IDENTIFICATION:	SAMPLE DATE	CANTEST ID	Available Phosphorus P
3-BVEG2-2	Nov 29/05	601180164	3.9
1-BVEG3-1	Nov 29/05	601180166	17
2-BVEG1-1	Nov 29/05	601180169	0.5
3-BVEG2-1	Nov 29/05	601180172	2.9
2-BVEG2-1	Nov 29/05	601180173	1.5
3-BVEG3-1	Nov 29/05	601180175	13
1-BVEG2-1	Nov 29/05	601180176	1.5
1-BVEG1-1	Nov 29/05	601180177	8.8
3-BVEG1-1	Nov 29/05	601180178	3.2
2-BVEG3-1	Nov 29/05	601180180	0.5
DETECTION LIMIT			0.5
UNITS			µg/g

µg/g = micrograms per gram, on a dry weight basis.

REPORTED TO: Environmental Dynamics

REPORT DATE: February 21, 2006

GROUP NUMBER: 70118026

CANTEST

Strong Acid Soluble Metals in Soil

CLIENT SAMPLE IDENTIFICATION:		3-BVEG2-2	1-BVEG3-1	2-BVEG1-1	3-BVEG2-1	
DATE SAMPLED:		Nov 29/05	Nov 29/05	Nov 29/05	Nov 29/05	DETECTION LIMIT
CANTEST ID:		601180164	601180166	601180169	601180172	
Antimony	Sb	<	<	<	<	10
Arsenic	As	<	36	400	11	10
Barium	Ba	49	140	340	54	1
Beryllium	Be	<	<	<	<	1
Cadmium	Cd	<	0.7	6.1	<	0.5
Chromium	Cr	9	4	23	10	2
Cobalt	Co	4	4	31	5	1
Copper	Cu	7	340	97	11	1
Lead	Pb	<	6	31	<	5
Mercury	Hg	<	0.17	0.09	0.02	0.01
Molybdenum	Mo	<	<	<	<	4
Nickel	Ni	6	5	18	9	2
Selenium	Se	<	0.3	0.9	<	0.2
Silver	Ag	<	6	<	<	2
Tin	Sn	<	5	7	<	5
Vanadium	V	17	10	77	22	1
Zinc	Zn	33	28	127	40	1
Aluminum	Al	5480	2430	23800	6640	10
Boron	B	<	<	<	<	1
Calcium	Ca	2160	4410	3800	2390	1
Iron	Fe	6620	19200	99500	8130	2
Magnesium	Mg	2220	712	2560	2600	0.1
Manganese	Mn	70	443	9040	84	1
Phosphorus	P	399	909	1090	412	20
Potassium	K	496	374	476	603	10
Sodium	Na	124	83	88	144	5
Strontium	Sr	12	28	36	14	1
Titanium	Ti	223	54	229	269	1
Zirconium	Zr	<	<	7	1	1

Results expressed as micrograms per gram, on a dry weight basis. (μg/g)
< = Less than detection limit

REPORTED TO: Environmental Dynamics

REPORT DATE: February 21, 2006

GROUP NUMBER: 70118026

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Strong Acid Soluble Metals in Soil

CLIENT SAMPLE IDENTIFICATION:		2-BVEG2-1	3-BVEG3-1	1-BVEG2-1	1-BVEG1-1	
DATE SAMPLED:		Nov 29/05	Nov 29/05	Nov 29/05	Nov 29/05	DETECTION LIMIT
CANTEST ID:		601180173	601180175	601180176	601180177	
Antimony	Sb	10	<	<	<	10
Arsenic	As	349	<	201	76	10
Barium	Ba	388	13	98	248	1
Beryllium	Be	<	<	<	<	1
Cadmium	Cd	4.2	<	2.4	4.3	0.5
Chromium	Cr	22	<	11	3	2
Cobalt	Co	32	2	8	25	1
Copper	Cu	87	2	32	110	1
Lead	Pb	28	<	10	6	5
Mercury	Hg	0.09	<	0.05	0.14	0.01
Molybdenum	Mo	4	<	<	<	4
Nickel	Ni	25	<	7	16	2
Selenium	Se	0.9	<	0.2	0.7	0.2
Silver	Ag	<	<	<	<	2
Tin	Sn	8	<	<	6	5
Vanadium	V	67	16	33	6	1
Zinc	Zn	195	7	83	159	1
Aluminum	Al	22400	1040	8850	3260	10
Boron	B	<	<	<	17	1
Calcium	Ca	7360	1010	3620	18300	1
Iron	Fe	91000	4130	37600	18100	2
Magnesium	Mg	3170	224	2390	2140	0.1
Manganese	Mn	6170	24	1440	9880	1
Phosphorus	P	858	413	497	833	20
Potassium	K	522	159	422	369	10
Sodium	Na	137	233	109	53	5
Strontium	Sr	53	7	21	66	1
Titanium	Ti	222	408	197	56	1
Zirconium	Zr	6	<	2	<	1

Results expressed as micrograms per gram, on a dry weight basis. (μg/g)
< = Less than detection limit

REPORTED TO: Environmental Dynamics

REPORT DATE: February 21, 2006

GROUP NUMBER: 70118026

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Strong Acid Soluble Metals in Soil

CLIENT SAMPLE IDENTIFICATION:		3-BVEG1-1	2-BVEG3-1	
DATE SAMPLED:		Nov 29/05	Nov 29/05	DETECTION LIMIT
CANTEST ID:		601180178	601180180	
Antimony	Sb	<	<	10
Arsenic	As	15	212	10
Barium	Ba	61	300	1
Beryllium	Be	<	<	1
Cadmium	Cd	<	2.2	0.5
Chromium	Cr	9	24	2
Cobalt	Co	3	23	1
Copper	Cu	8	94	1
Lead	Pb	<	23	5
Mercury	Hg	0.01	0.13	0.01
Molybdenum	Mo	<	5	4
Nickel	Ni	5	9	2
Selenium	Se	<	0.9	0.2
Silver	Ag	<	<	2
Tin	Sn	<	<	5
Vanadium	V	23	104	1
Zinc	Zn	28	70	1
Aluminum	Al	5790	37100	10
Boron	B	<	<	1
Calcium	Ca	2220	2790	1
Iron	Fe	7760	70300	2
Magnesium	Mg	2180	2290	0.1
Manganese	Mn	109	3100	1
Phosphorus	P	471	973	20
Potassium	K	474	534	10
Sodium	Na	151	119	5
Strontium	Sr	14	30	1
Titanium	Ti	266	302	1
Zirconium	Zr	1	3	1

Results expressed as micrograms per gram, on a dry weight basis. (μg/g)
< = Less than detection limit

REPORTED TO: Environmental Dynamics

REPORT DATE: February 21, 2006

GROUP NUMBER: 70118026

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Batch Quality Control for Strong Acid Soluble Metals in Soil (QC# 75560)

Parameter		Blank (ug/g)	Blank Limits	Duplicate (R.P.D.) 601180043	Duplicate Limits	Duplicate (R.P.D.) 601180055	Duplicate Limits
Antimony	Sb	-	-	NC	30	NC	30
Arsenic	As	< 10	10	NC	30	NC	30
Barium	Ba	< 1	1	3	30	14.5	30
Beryllium	Be	-	-	NC	30	NC	30
Chromium	Cr	-	-	3.4	30	4.7	30
Cobalt	Co	-	-	9.5	30	15.4	30
Copper	Cu	< 1	1	4.1	30	11.4	30
Lead	Pb	< 5	5	PASS	30	13.3	30
Mercury	Hg	< 0.01	0.001	0	30	0	30
Molybdenum	Mo	-	-	NC	30	NC	30
Nickel	Ni	< 2	2	4.4	30	2.7	30
Selenium	Se	< 0.2	0.2	NC	30	NC	30
Tin	Sn	-	-	NC	30	PASS	30
Vanadium	V	-	-	0	30	9.5	30
Zinc	Zn	< 1	1	5.4	30	18.5	30

ug/g = micrograms per gram
R.P.D. = Relative Percent Difference
PASS = Duplicate sample results were in the range of one to five times the detection limit. R.P.D. calculation is not applicable in this range. Acceptance criteria is a maximum difference between the duplicates equivalent to the value of the detection limit.
NC = Not Calculated. Duplicate sample results were less than the detection limit. Relative Percent Difference calculation is not defined for analyte levels of less than detection limit.

REPORTED TO: Environmental Dynamics

REPORT DATE: February 21, 2006

GROUP NUMBER: 70118026

CANTEST

Batch Quality Control for Strong Acid Soluble Metals in Soil (QC# 75560)

Parameter		Duplicate (R.P.D.) 601180121	Duplicate Limits	Duplicate (R.P.D.) 601180133	Duplicate Limits	Duplicate (R.P.D.) 601180144	Duplicate Limits
Antimony	Sb	NC	30	NC	30	NC	30
Arsenic	As	NC	30	NC	30	NC	30
Barium	Ba	0	30	18.2	30	2.4	30
Beryllium	Be	NC	30	NC	30	NC	30
Chromium	Cr	8.7	30	17.1	30	0	30
Cobalt	Co	5.7	30	0	30	0	30
Copper	Cu	11.6	30	6.9	30	0	30
Lead	Pb	PASS	30	PASS	30	PASS	30
Mercury	Hg	4.6	30	14.6	30	6.3	30
Molybdenum	Mo	NC	30	NC	30	NC	30
Nickel	Ni	17.1	30	6.5	30	3.3	30
Selenium	Se	PASS	30	NC	30	NC	30
Tin	Sn	NC	30	NC	30	NC	30
Vanadium	V	1.8	30	6.9	30	0	30
Zinc	Zn	24.2	30	2.6	30	3.2	30

ug/g = micrograms per gram
R.P.D. = Relative Percent Difference
PASS = Duplicate sample results were in the range of one to five times the detection limit. R.P.D. calculation is not applicable in this range. Acceptance criteria is a maximum difference between the duplicates equivalent to the value of the detection limit.
NC = Not Calculated. Duplicate sample results were less than the detection limit. Relative Percent Difference calculation is not defined for analyte levels of less than detection limit.

REPORTED TO: Environmental Dynamics

REPORT DATE: February 21, 2006

GROUP NUMBER: 70118026

CANTEST

Batch Quality Control for Strong Acid Soluble Metals in Soil (QC# 75560)

Parameter		Duplicate (R.P.D.) 601180178	Duplicate Limits	Duplicate (R.P.D.) 601180195	Duplicate Limits	Duplicate (R.P.D.) 601180262	Duplicate Limits
Antimony	Sb	NC	30	NC	30	NC	30
Arsenic	As	PASS	30	PASS	30	NC	30
Barium	Ba	5	30	0.8	30	1.4	30
Beryllium	Be	NC	30	NC	30	NC	30
Chromium	Cr	PASS	30	7.5	30	0	30
Cobalt	Co	PASS	30	0	30	0	30
Copper	Cu	0	30	4.9	30	5	30
Lead	Pb	NC	30	0.5	30	PASS	30
Mercury	Hg	PASS	30	0.2	30	8	30
Molybdenum	Mo	NC	30	9.1	30	NC	30
Nickel	Ni	PASS	30	3.4	30	2.3	30
Selenium	Se	NC	30	0	30	PASS	30
Tin	Sn	NC	30	PASS	30	NC	30
Vanadium	V	4.4	30	2	30	2.6	30
Zinc	Zn	7.1	30	1.5	30	0	30

ug/g = micrograms per gram
R.P.D. = Relative Percent Difference
PASS = Duplicate sample results were in the range of one to five times the detection limit. R.P.D. calculation is not applicable in this range. Acceptance criteria is a maximum difference between the duplicates equivalent to the value of the detection limit.
NC = Not Calculated. Duplicate sample results were less than the detection limit. Relative Percent Difference calculation is not defined for analyte levels of less than detection limit.

Batch Quality Control for Strong Acid Soluble Metals in Soil (QC# 75560)

Parameter		NIST 2711 Montana Soil-SALM (% Recovery)	NIST 2711 Montana Soil-SALM Limits
Arsenic	As	89	79 - 100
Cadmium	Cd	107	80 - 120
Lead	Pb	90	77 - 115
Mercury	Hg	91	84 - 122
Nickel	Ni	87	41 - 120
Selenium	Se	86	56 - 134
Zinc	Zn	95	80 - 110
Calcium	Ca	74	67 - 85
Iron	Fe	73	55 - 97
Magnesium	Mg	73	59 - 89
Manganese	Mn	79	64 - 96
Sodium	Na	4	1 - 6
Strontium	Sr	17	10 - 34

ug/g = micrograms per gram

Batch Quality Control Frequency Summary

SALM in Soil Digestion (Batch# 75560)

QC Type	No. Samples
NIST 2711 Montana Soil-SALM	1
Blank	3
Duplicate	8

SALM Metals in Soil Sieve (Batch# 75555)

QC Type	No. Samples
Batch Size	81

SALM in Soil Digestion (Batch# 75560)

QC Type	No. Samples
Batch Size	81

Analysis Report

CANTEST LTD.

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REPORT ON: Analysis of Soil Samples

REPORTED TO: Environmental Dynamics
3128 3rd Ave
Whitehorse, YK
Y1A 1E7

Att'n: Pat Tobler

CHAIN OF CUSTODY: 192250
PROJECT NAME: Mt. Hansen
P.O. NUMBER: 101162

NUMBER OF SAMPLES: 10

REPORT DATE: January 31, 2006

DATE SUBMITTED: January 17, 2006

GROUP NUMBER: 70118026

SAMPLE TYPE: Soil

NOTE: Results contained in this report refer only to the testing of samples as submitted. Other information is available on request.

TEST METHODS:

Moisture in Soil - analysis was performed gravimetrically by heating a separate sample portion at 105 C and measuring the weight loss.

pH in Soil or Solid - analysis was performed based on procedures described in the Manual on Soil Sampling and Methods of Analysis, published by the Canadian Society of Soil Science,1993. The test was performed using a deionized water leach with measurement by pH meter.

Available Ammonium, and Available Nitrate in Soil and Solid - analysis was performed based on procedures described in "Manual of Soil Sampling and Methods of Analysis", McKeague (1987). The procedures involve extraction using a potassium sulfate solution followed by colorimetric analysis. This analysis was performed by a subcontractor.

Total Kjeldahl Nitrogen - analysis was performed using an acid digestion, steam distillation, and titration. Results are reported on a dry weight basis; the samples were dried at 60 C. This test was performed by a subcontractor.

Fertility in Soil or Solid - analysis was performed using procedures described in "Manual of Soil Sampling and Methods of Analysis", Canadian Society of Soil Science, and "UBC Soil Science Laboratory Manual". These tests were performed by a subcontractor.

Available Ammonium, and Available Nitrate in Soil and Solid - analysis was performed based on procedures

(Continued)

CANTEST LTD.

Richard S. Jornitz
Supervisor, Inorganic Testing

Available Ammonium, and Available Nitrate in Soil and Solid

described in "Manual of Soil Sampling and Methods of Analysis", McKeague (1987). The procedures involve extraction using a potassium chloride solution followed by analysis using Alpkem Flow Solution IV autoanalyzer.

Mercury in Soil - analysis was performed using Cold Vapour Atomic Fluorescence.

Strong Acid Leachable Metals in Soil - analysis was performed using B.C. MOELP Method "Strong Acid Leachable Metals in Soil, Version 1.0". The method involves drying the sample at 60 C, sieving using a 2 mm (10 mesh) sieve and digestion using a mixture of hydrochloric and nitric acids. Analysis was performed using Inductively Coupled Argon Plasma Spectroscopy (ICAP) or by specific techniques as described.

Selenium in Soil - analysis was using Inductively Coupled Plasma Mass Spectrometry (ICP/MS).

COMMENTS:

Available Nitrate results for Sample #601180166 and sample #601180178 were not calculable due to inability of these samples to develop color.

TEST RESULTS:

(See following pages)

REPORTED TO: Environmental Dynamics

REPORT DATE: January 31, 2006

GROUP NUMBER: 70118026

CANTEST

Conventional Parameters in Soil

CLIENT SAMPLE IDENTIFICATION:	3-BVEG2-2	1-BVEG3-1	2-BVEG1-1	3-BVEG2-1		
DATE SAMPLED:	Nov 29/05	Nov 29/05	Nov 29/05	Nov 29/05	DETECTION LIMIT	UNITS
CANTEST ID:	601180164	601180166	601180169	601180172		
Available Nitrate Nitrogen	1.5	NC	37	1.7	0.1	ug/g as N
Moisture	13.2	60.9	55.6	15.7	0.1	%
Total Kjeldahl Nitrogen N	0.06	0.02	0.50	0.05	0.02	% dry wt.
pH	7.2	5.4	5.9	6.3	0.1	pH units

ug/g as N = microgram per gram as N
% dry wt. = percent, dry weight basis

% = percent

REPORTED TO: Environmental Dynamics

REPORT DATE: January 31, 2006

GROUP NUMBER: 70118026

CANTEST

Conventional Parameters in Soil

CLIENT SAMPLE IDENTIFICATION:	2-BVEG2-1	3-BVEG3-1	1-BVEG2-1	1-BVEG1-1	DETECTION LIMIT	UNITS
DATE SAMPLED:	Nov 29/05	Nov 29/05	Nov 29/05	Nov 29/05		
CANTEST ID:	601180173	601180175	601180176	601180177		
Available Nitrate Nitrogen	33	9.5	47	47	0.1	ug/g as N
Moisture	57.3	23.0	41.1	68.0	0.1	%
Total Kjeldahl Nitrogen N	0.55	0.03	0.40	1.37	0.02	% dry wt.
pH	6.4	6.4	6.5	7.2	0.1	pH units

ug/g as N = microgram per gram as N
% dry wt. = percent, dry weight basis

% = percent

REPORTED TO: Environmental Dynamics

REPORT DATE: January 31, 2006

GROUP NUMBER: 70118026

CANTEST®

Conventional Parameters in Soil

CLIENT SAMPLE IDENTIFICATION:	3-BVEG1-1	2-BVEG3-1	DETECTION LIMIT	UNITS
DATE SAMPLED:	Nov 29/05	Nov 29/05		
CANTEST ID:	601180178	601180180		
Available Nitrate Nitrogen	NC	44	0.1	ug/g as N
Moisture	21.9	63.0	0.1	%
Total Kjeldahl Nitrogen N	0.05	0.77	0.02	% dry wt.
pH	6.6	5.7	0.1	pH units

ug/g as N = microgram per gram as N
% dry wt. = percent, dry weight basis

% = percent

REPORTED TO: Environmental Dynamics

REPORT DATE: January 31, 2006

GROUP NUMBER: 70118026

CANTEST®

Fertility in Soil

CLIENT SAMPLE IDENTIFICATION:	SAMPLE DATE	CANTEST ID	Available Ammonium Nitrogen	Available Phosphorus P
3-BVEG2-2	Nov 29/05	601180164	3	3.9
1-BVEG3-1	Nov 29/05	601180166	40	17
2-BVEG1-1	Nov 29/05	601180169	16	0.5
3-BVEG2-1	Nov 29/05	601180172	5	2.9
2-BVEG2-1	Nov 29/05	601180173	16	1.5
3-BVEG3-1	Nov 29/05	601180175	8	13
1-BVEG2-1	Nov 29/05	601180176	27	1.5
1-BVEG1-1	Nov 29/05	601180177	60	8.8
3-BVEG1-1	Nov 29/05	601180178	5	3.2
2-BVEG3-1	Nov 29/05	601180180	28	0.5
DETECTION LIMIT			0.5	0.5
UNITS			ug/g as N	µg/g

ug/g as N = microgram per gram as N

µg/g = micrograms per gram, on a dry weight basis.

REPORTED TO: Environmental Dynamics

REPORT DATE: January 31, 2006

GROUP NUMBER: 70118026

CANTEST

Strong Acid Soluble Metals in Soil

CLIENT SAMPLE IDENTIFICATION:		3-BVEG2-2	1-BVEG3-1	2-BVEG1-1	3-BVEG2-1	
DATE SAMPLED:		Nov 29/05	Nov 29/05	Nov 29/05	Nov 29/05	DETECTION LIMIT
CANTEST ID:		601180164	601180166	601180169	601180172	
Antimony	Sb	<	<	<	<	10
Arsenic	As	<	36	400	11	10
Barium	Ba	49	140	340	54	1
Beryllium	Be	<	<	<	<	1
Cadmium	Cd	<	0.7	6.1	<	0.5
Chromium	Cr	9	4	23	10	2
Cobalt	Co	4	4	31	5	1
Copper	Cu	7	340	97	11	1
Lead	Pb	<	6	31	<	5
Mercury	Hg	<	0.17	0.09	0.02	0.01
Molybdenum	Mo	<	<	<	<	4
Nickel	Ni	6	5	18	9	2
Selenium	Se	<	0.3	0.9	<	0.2
Silver	Ag	<	6	<	<	2
Tin	Sn	<	5	7	<	5
Vanadium	V	17	10	77	22	1
Zinc	Zn	33	28	127	40	1
Aluminum	Al	5480	2430	23800	6640	10
Boron	B	<	<	<	<	1
Calcium	Ca	2160	4410	3800	2390	1
Iron	Fe	6620	19200	99500	8130	2
Magnesium	Mg	2220	712	2560	2600	0.1
Manganese	Mn	70	443	9040	84	1
Phosphorus	P	399	909	1090	412	20
Potassium	K	496	374	476	603	10
Sodium	Na	124	83	88	144	5
Strontium	Sr	12	28	36	14	1
Titanium	Ti	223	54	229	269	1
Zirconium	Zr	<	<	7	1	1

Results expressed as micrograms per gram, on a dry weight basis. (μg/g)
< = Less than detection limit

REPORTED TO: Environmental Dynamics

REPORT DATE: January 31, 2006

GROUP NUMBER: 70118026

CANTEST

Strong Acid Soluble Metals in Soil

CLIENT SAMPLE IDENTIFICATION:		2-BVEG2-1	3-BVEG3-1	1-BVEG2-1	1-BVEG1-1	
DATE SAMPLED:		Nov 29/05	Nov 29/05	Nov 29/05	Nov 29/05	DETECTION LIMIT
CANTEST ID:		601180173	601180175	601180176	601180177	
Antimony	Sb	10	<	<	<	10
Arsenic	As	349	<	201	76	10
Barium	Ba	388	13	98	248	1
Beryllium	Be	<	<	<	<	1
Cadmium	Cd	4.2	<	2.4	4.3	0.5
Chromium	Cr	22	<	11	3	2
Cobalt	Co	32	2	8	25	1
Copper	Cu	87	2	32	110	1
Lead	Pb	28	<	10	6	5
Mercury	Hg	0.09	<	0.05	0.14	0.01
Molybdenum	Mo	4	<	<	<	4
Nickel	Ni	25	<	7	16	2
Selenium	Se	0.9	<	0.2	0.7	0.2
Silver	Ag	<	<	<	<	2
Tin	Sn	8	<	<	6	5
Vanadium	V	67	16	33	6	1
Zinc	Zn	195	7	83	159	1
Aluminum	Al	22400	1040	8850	3260	10
Boron	B	<	<	<	17	1
Calcium	Ca	7360	1010	3620	18300	1
Iron	Fe	91000	4130	37600	18100	2
Magnesium	Mg	3170	224	2390	2140	0.1
Manganese	Mn	6170	24	1440	9880	1
Phosphorus	P	858	413	497	833	20
Potassium	K	522	159	422	369	10
Sodium	Na	137	233	109	53	5
Strontium	Sr	53	7	21	66	1
Titanium	Ti	222	408	197	56	1
Zirconium	Zr	6	<	2	<	1

Results expressed as micrograms per gram, on a dry weight basis. (μg/g)
< = Less than detection limit

REPORTED TO: Environmental Dynamics

REPORT DATE: January 31, 2006

GROUP NUMBER: 70118026

CANTEST

Strong Acid Soluble Metals in Soil

CLIENT SAMPLE IDENTIFICATION:		3-BVEG1-1	2-BVEG3-1	
DATE SAMPLED:		Nov 29/05	Nov 29/05	DETECTION LIMIT
CANTEST ID:		601180178	601180180	
Antimony	Sb	<	<	10
Arsenic	As	15	212	10
Barium	Ba	61	300	1
Beryllium	Be	<	<	1
Cadmium	Cd	<	2.2	0.5
Chromium	Cr	9	24	2
Cobalt	Co	3	23	1
Copper	Cu	8	94	1
Lead	Pb	<	23	5
Mercury	Hg	0.01	0.13	0.01
Molybdenum	Mo	<	5	4
Nickel	Ni	5	9	2
Selenium	Se	<	0.9	0.2
Silver	Ag	<	<	2
Tin	Sn	<	<	5
Vanadium	V	23	104	1
Zinc	Zn	28	70	1
Aluminum	Al	5790	37100	10
Boron	B	<	<	1
Calcium	Ca	2220	2790	1
Iron	Fe	7760	70300	2
Magnesium	Mg	2180	2290	0.1
Manganese	Mn	109	3100	1
Phosphorus	P	471	973	20
Potassium	K	474	534	10
Sodium	Na	151	119	5
Strontium	Sr	14	30	1
Titanium	Ti	266	302	1
Zirconium	Zr	1	3	1

Results expressed as micrograms per gram, on a dry weight basis. (μg/g)
< = Less than detection limit

REPORTED TO: Environmental Dynamics

REPORT DATE: January 31, 2006

GROUP NUMBER: 70118026

CANTEST

Batch Quality Control for Strong Acid Soluble Metals in Soil (QC# 75560)

Parameter		Blank (ug/g)	Blank Limits	Duplicate (R.P.D.) 601180043	Duplicate Limits	Duplicate (R.P.D.) 601180055	Duplicate Limits
Antimony	Sb	-	-	NC	30	NC	30
Arsenic	As	< 10	10	NC	30	NC	30
Barium	Ba	< 1	1	3	30	14.5	30
Beryllium	Be	-	-	NC	30	NC	30
Chromium	Cr	-	-	3.4	30	4.7	30
Cobalt	Co	-	-	9.5	30	15.4	30
Copper	Cu	< 1	1	4.1	30	11.4	30
Lead	Pb	< 5	5	PASS	30	13.3	30
Mercury	Hg	< 0.01	0.001	0	30	0	30
Molybdenum	Mo	-	-	NC	30	NC	30
Nickel	Ni	< 2	2	4.4	30	2.7	30
Selenium	Se	< 0.2	0.2	NC	30	NC	30
Tin	Sn	-	-	NC	30	PASS	30
Vanadium	V	-	-	0	30	9.5	30
Zinc	Zn	< 1	1	5.4	30	18.5	30

ug/g = micrograms per gram
R.P.D. = Relative Percent Difference
PASS = Duplicate sample results were in the range of one to five times the detection limit. R.P.D. calculation is not applicable in this range. Acceptance criteria is a maximum difference between the duplicates equivalent to the value of the detection limit.
NC = Not Calculated. Duplicate sample results were less than the detection limit. Relative Percent Difference calculation is not defined for analyte levels of less than detection limit.

REPORTED TO: Environmental Dynamics

REPORT DATE: January 31, 2006

GROUP NUMBER: 70118026

CANTEST

Batch Quality Control for Strong Acid Soluble Metals in Soil (QC# 75560)

Parameter		Duplicate (R.P.D.) 601180121	Duplicate Limits	Duplicate (R.P.D.) 601180133	Duplicate Limits	Duplicate (R.P.D.) 601180144	Duplicate Limits
Antimony	Sb	NC	30	NC	30	NC	30
Arsenic	As	NC	30	NC	30	NC	30
Barium	Ba	0	30	18.2	30	2.4	30
Beryllium	Be	NC	30	NC	30	NC	30
Chromium	Cr	8.7	30	17.1	30	0	30
Cobalt	Co	5.7	30	0	30	0	30
Copper	Cu	11.6	30	6.9	30	0	30
Lead	Pb	PASS	30	PASS	30	PASS	30
Mercury	Hg	4.6	30	14.6	30	6.3	30
Molybdenum	Mo	NC	30	NC	30	NC	30
Nickel	Ni	17.1	30	6.5	30	3.3	30
Selenium	Se	PASS	30	NC	30	NC	30
Tin	Sn	NC	30	NC	30	NC	30
Vanadium	V	1.8	30	6.9	30	0	30
Zinc	Zn	24.2	30	2.6	30	3.2	30

ug/g = micrograms per gram
R.P.D. = Relative Percent Difference
PASS = Duplicate sample results were in the range of one to five times the detection limit. R.P.D. calculation is not applicable in this range. Acceptance criteria is a maximum difference between the duplicates equivalent to the value of the detection limit.
NC = Not Calculated. Duplicate sample results were less than the detection limit. Relative Percent Difference calculation is not defined for analyte levels of less than detection limit.

REPORTED TO: Environmental Dynamics

REPORT DATE: January 31, 2006

GROUP NUMBER: 70118026

CANTEST

Batch Quality Control for Strong Acid Soluble Metals in Soil (QC# 75560)

Parameter		Duplicate (R.P.D.) 601180178	Duplicate Limits	Duplicate (R.P.D.) 601180195	Duplicate Limits	Duplicate (R.P.D.) 601180262	Duplicate Limits
Antimony	Sb	NC	30	NC	30	NC	30
Arsenic	As	PASS	30	PASS	30	NC	30
Barium	Ba	5	30	0.8	30	1.4	30
Beryllium	Be	NC	30	NC	30	NC	30
Chromium	Cr	PASS	30	7.5	30	0	30
Cobalt	Co	PASS	30	0	30	0	30
Copper	Cu	0	30	4.9	30	5	30
Lead	Pb	NC	30	0.5	30	PASS	30
Mercury	Hg	PASS	30	0.2	30	8	30
Molybdenum	Mo	NC	30	9.1	30	NC	30
Nickel	Ni	PASS	30	3.4	30	2.3	30
Selenium	Se	NC	30	0	30	PASS	30
Tin	Sn	NC	30	PASS	30	NC	30
Vanadium	V	4.4	30	2	30	2.6	30
Zinc	Zn	7.1	30	1.5	30	0	30

ug/g = micrograms per gram
R.P.D. = Relative Percent Difference
PASS = Duplicate sample results were in the range of one to five times the detection limit. R.P.D. calculation is not applicable in this range. Acceptance criteria is a maximum difference between the duplicates equivalent to the value of the detection limit.
NC = Not Calculated. Duplicate sample results were less than the detection limit. Relative Percent Difference calculation is not defined for analyte levels of less than detection limit.

Batch Quality Control for Strong Acid Soluble Metals in Soil (QC# 75560)

Parameter		NIST 2711 Montana Soil-SALM (% Recovery)	NIST 2711 Montana Soil-SALM Limits
Arsenic	As	89	79 - 100
Cadmium	Cd	107	80 - 120
Lead	Pb	90	77 - 115
Mercury	Hg	91	84 - 122
Nickel	Ni	87	41 - 120
Selenium	Se	86	56 - 134
Zinc	Zn	95	80 - 110
Calcium	Ca	74	67 - 85
Iron	Fe	73	55 - 97
Magnesium	Mg	73	59 - 89
Manganese	Mn	79	64 - 96
Sodium	Na	4	1 - 6
Strontium	Sr	17	10 - 34

ug/g = micrograms per gram

Batch Quality Control Frequency Summary

SALM in Soil Digestion (Batch# 75560)

QC Type	No. Samples
NIST 2711 Montana Soil-SALM	1
Blank	3
Duplicate	8

SALM Metals in Soil Sieve (Batch# 75555)

QC Type	No. Samples
Batch Size	81

SALM in Soil Digestion (Batch# 75560)

QC Type	No. Samples
Batch Size	81

Analysis Report

CANTEST LTD.

Professional
Analytical
Services

4606 Canada Way
Burnaby, B.C.
V5G 1K5

Fax: 604 731 2386

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1 800 665 8566

REPORT ON: Analysis of Soil Samples

REPORTED TO: Environmental Dynamics
3128 3rd Ave
Whitehorse, YK
Y1A 1E7

Att'n: Pat Tobler

CHAIN OF CUSTODY: 192251, 192252
PROJECT NAME: Mt Nansen
PROJECT NUMBER: 05-YC-0025
P.O. NUMBER: 00010207

NUMBER OF SAMPLES: 15

REPORT DATE: March 31, 2006

DATE SUBMITTED: March 28, 2006

GROUP NUMBER: 70328079

SAMPLE TYPE: Soil

NOTE: Results contained in this report refer only to the testing of samples as submitted. Other information is available on request.

TEST METHODS:

pH in Soil or Solid - analysis was performed based on procedures described in the Manual on Soil Sampling and Methods of Analysis, published by the Canadian Society of Soil Science,1993. The test was performed using a deionized water leach with measurement by pH meter.

Mercury in Soil - analysis was performed using Cold Vapour Atomic Fluorescence.

Strong Acid Leachable Metals in Soil - analysis was performed using B.C. MOELP Method "Strong Acid Leachable Metals in Soil, Version 1.0". The method involves drying the sample at 60 C, sieving using a 2 mm (10 mesh) sieve and digestion using a mixture of hydrochloric and nitric acids. Analysis was performed using Inductively Coupled Argon Plasma Spectroscopy (ICAP) or by specific techniques as described.

Selenium in Soil - analysis was using Inductively Coupled Plasma Mass Spectrometry (ICP/MS).

TEST RESULTS:

(See following pages)

CANTEST LTD.

Richard S. Jornitz
Supervisor, Inorganic Testing

REPORTED TO: Environmental Dynamics

REPORT DATE: March 31, 2006

GROUP NUMBER: 70328079

CANTEST®

Conventional Parameters in Soil

CLIENT SAMPLE IDENTIFICATION:	CANTEST ID	pH
1-CP9-1	603280505	4.5
2-CP9-1	603280506	5.1
3-CP9-1	603280508	5.8
1-CP8-1	603280509	4.4
2-CP8-1	603280510	4.9
3-CP8-1	603280511	5.4
1-CP7-1	603280512	4.9
2-CP7-1	603280513	5.1
3-CP7-1	603280514	5.4
1-CP6-1	603280515	4.3
2-CP6-1	603280517	5.2
3-CP6-1	603280518	5.3
1-CP5-1	603280519	4.3
2-CP5-1	603280520	5.2
3-CP5-1	603280522	5.1
DETECTION LIMIT		0.1
UNITS		pH units

REPORTED TO: Environmental Dynamics

REPORT DATE: March 31, 2006

GROUP NUMBER: 70328079

CANTEST

Strong Acid Soluble Metals in Soil

CLIENT SAMPLE IDENTIFICATION:		1-CP9-1	2-CP9-1	3-CP9-1	1-CP8-1	
CANTEST ID:		603280505	603280506	603280508	603280509	DETECTION LIMIT
Antimony	Sb	<	<	<	<	10
Arsenic	As	10	<	95	49	10
Barium	Ba	97	12	85	86	1
Beryllium	Be	<	<	<	<	1
Cadmium	Cd	1.1	<	1.3	1.7	0.5
Chromium	Cr	4	3	12	10	2
Cobalt	Co	1	2	6	3	1
Copper	Cu	8	3	11	11	1
Lead	Pb	<	<	27	8	5
Mercury	Hg	0.23	0.02	0.03	0.12	0.01
Molybdenum	Mo	<	<	<	<	4
Nickel	Ni	3	<	6	6	2
Selenium	Se	<	<	<	<	0.2
Silver	Ag	<	<	<	<	2
Tin	Sn	<	<	<	<	5
Vanadium	V	7	18	33	20	1
Zinc	Zn	34	10	44	73	1
Aluminum	Al	2770	1390	10900	7270	10
Boron	B	2	<	<	<	1
Calcium	Ca	3930	688	1980	1910	1
Iron	Fe	4010	5380	14100	10500	2
Magnesium	Mg	729	439	2130	1490	0.1
Manganese	Mn	101	41	264	106	1
Phosphorus	P	1190	225	485	776	20
Potassium	K	689	202	525	629	10
Sodium	Na	96	152	155	67	5
Strontium	Sr	33	5	15	21	1
Titanium	Ti	95	245	375	143	1
Zirconium	Zr	<	<	<	<	1

Results expressed as micrograms per gram, on a dry weight basis. (μg/g)
< = Less than detection limit

REPORTED TO: Environmental Dynamics

REPORT DATE: March 31, 2006

GROUP NUMBER: 70328079

CANTEST

Strong Acid Soluble Metals in Soil

CLIENT SAMPLE IDENTIFICATION:		2-CP8-1	3-CP8-1	1-CP7-1	2-CP7-1	
CANTEST ID:		603280510	603280511	603280512	603280513	DETECTION LIMIT
Antimony	Sb	<	<	<	<	10
Arsenic	As	13	141	42	<	10
Barium	Ba	18	124	109	27	1
Beryllium	Be	<	<	<	<	1
Cadmium	Cd	<	2.1	1.7	<	0.5
Chromium	Cr	3	27	15	6	2
Cobalt	Co	1	9	5	3	1
Copper	Cu	4	22	19	6	1
Lead	Pb	<	20	18	6	5
Mercury	Hg	0.02	0.06	0.09	0.02	0.01
Molybdenum	Mo	<	<	<	<	4
Nickel	Ni	<	16	8	3	2
Selenium	Se	<	<	<	<	0.2
Silver	Ag	<	<	<	<	2
Tin	Sn	<	<	<	<	5
Vanadium	V	13	54	26	30	1
Zinc	Zn	23	200	76	26	1
Aluminum	Al	2280	27100	13500	3540	10
Boron	B	<	<	<	<	1
Calcium	Ca	453	2150	3840	1020	1
Iron	Fe	5020	25200	13500	9230	2
Magnesium	Mg	559	5790	2520	918	0.1
Manganese	Mn	35	334	167	97	1
Phosphorus	P	134	414	1090	339	20
Potassium	K	173	887	676	318	10
Sodium	Na	99	82	118	207	5
Strontium	Sr	5	17	37	10	1
Titanium	Ti	169	471	190	372	1
Zirconium	Zr	<	3	1	<	1

Results expressed as micrograms per gram, on a dry weight basis. (μg/g)
< = Less than detection limit

REPORTED TO: Environmental Dynamics

REPORT DATE: March 31, 2006

GROUP NUMBER: 70328079

CANTEST

Strong Acid Soluble Metals in Soil

CLIENT SAMPLE IDENTIFICATION:		3-CP7-1	1-CP6-1	2-CP6-1	3-CP6-1	
CANTEST ID:		603280514	603280515	603280517	603280518	DETECTION LIMIT
Antimony	Sb	<	<	<	<	10
Arsenic	As	57	24	28	27	10
Barium	Ba	114	246	166	224	1
Beryllium	Be	<	<	<	<	1
Cadmium	Cd	1.2	3.5	0.5	0.6	0.5
Chromium	Cr	21	6	27	29	2
Cobalt	Co	12	3	9	9	1
Copper	Cu	21	16	47	79	1
Lead	Pb	29	11	31	32	5
Mercury	Hg	0.02	0.17	0.04	0.08	0.01
Molybdenum	Mo	<	<	<	<	4
Nickel	Ni	13	5	15	17	2
Selenium	Se	<	<	0.3	0.4	0.2
Silver	Ag	<	<	<	<	2
Tin	Sn	<	<	<	<	5
Vanadium	V	50	11	46	46	1
Zinc	Zn	130	82	91	90	1
Aluminum	Al	21000	3010	13100	15800	10
Boron	B	<	1	<	<	1
Calcium	Ca	2590	2980	2520	2930	1
Iron	Fe	20900	6220	21400	22000	2
Magnesium	Mg	4850	733	4040	4100	0.1
Manganese	Mn	600	157	463	414	1
Phosphorus	P	569	839	446	573	20
Potassium	K	564	655	889	783	10
Sodium	Na	102	50	61	69	5
Strontium	Sr	28	29	18	22	1
Titanium	Ti	368	72	301	219	1
Zirconium	Zr	<	<	1	2	1

Results expressed as micrograms per gram, on a dry weight basis. (μg/g)
< = Less than detection limit

REPORTED TO: Environmental Dynamics

REPORT DATE: March 31, 2006

GROUP NUMBER: 70328079

CANTEST

Strong Acid Soluble Metals in Soil

CLIENT SAMPLE IDENTIFICATION:		1-CP5-1	2-CP5-1	3-CP5-1	
CANTEST ID:		603280519	603280520	603280522	DETECTION LIMIT
Antimony	Sb	<	<	<	10
Arsenic	As	21	<	106	10
Barium	Ba	127	7	78	1
Beryllium	Be	<	<	<	1
Cadmium	Cd	3.1	<	1.5	0.5
Chromium	Cr	6	<	17	2
Cobalt	Co	2	1	5	1
Copper	Cu	17	2	16	1
Lead	Pb	16	<	32	5
Mercury	Hg	0.10	<	0.02	0.01
Molybdenum	Mo	<	<	<	4
Nickel	Ni	5	<	10	2
Selenium	Se	<	<	<	0.2
Silver	Ag	3	<	<	2
Tin	Sn	<	<	<	5
Vanadium	V	10	12	34	1
Zinc	Zn	45	7	89	1
Aluminum	Al	2860	692	10800	10
Boron	B	<	<	<	1
Calcium	Ca	2260	302	1130	1
Iron	Fe	5430	3420	17700	2
Magnesium	Mg	644	169	2910	0.1
Manganese	Mn	74	36	169	1
Phosphorus	P	1010	80	207	20
Potassium	K	669	139	697	10
Sodium	Na	82	142	51	5
Strontium	Sr	30	4	10	1
Titanium	Ti	38	182	303	1
Zirconium	Zr	<	<	3	1

Results expressed as micrograms per gram, on a dry weight basis. (μg/g)
< = Less than detection limit

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Batch Quality Control for Strong Acid Soluble Metals in Soil (QC# 78865)

Parameter		Blank (ug/g)	Blank Limits	Duplicate (R.P.D.) 603270218	Duplicate Limits	Duplicate (R.P.D.) 603270304	Duplicate Limits
Antimony	Sb	-	-	NC	30	NC	30
Arsenic	As	< 10	10	NC	30	NC	30
Barium	Ba	< 1	1	8	30	0	30
Beryllium	Be	-	-	NC	30	NC	30
Chromium	Cr	-	-	3.5	30	5.7	30
Cobalt	Co	-	-	15.4	30	0	30
Copper	Cu	< 1	1	1.7	30	10.5	30
Lead	Pb	< 5	5	2.6	30	NC	30
Mercury	Hg	< 0.01	0.001	0	30	0	30
Molybdenum	Mo	-	-	NC	30	NC	30
Nickel	Ni	< 2	2	PASS	30	0	30
Selenium	Se	< 0.2	0.2	PASS	30	NC	30
Tin	Sn	-	-	-	-	NC	30
Vanadium	V	-	-	3.6	30	2.2	30
Zinc	Zn	< 1	1	0.6	30	2.7	30

ug/g = micrograms per gram
R.P.D. = Relative Percent Difference
PASS = Duplicate sample results were in the range of one to five times the detection limit. R.P.D. calculation is not applicable in this range. Acceptance criteria is a maximum difference between the duplicates equivalent to the value of the detection limit.
NC = Not Calculated. Duplicate sample results were less than the detection limit. Relative Percent Difference calculation is not defined for analyte levels of less than detection limit.

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Batch Quality Control for Strong Acid Soluble Metals in Soil (QC# 78865)

Parameter		Duplicate (R.P.D.) 603270333	Duplicate Limits	Duplicate (R.P.D.) 603280136	Duplicate Limits	Duplicate (R.P.D.) 603280142	Duplicate Limits
Antimony	Sb	NC	30	-	-	NC	30
Arsenic	As	NC	30	NC	30	NC	30
Barium	Ba	0	30	-	-	3.9	30
Beryllium	Be	NC	30	-	-	NC	30
Chromium	Cr	(*)	30	-	-	3.3	30
Cobalt	Co	18.2	30	-	-	0	30
Copper	Cu	15.4	30	7.4	30	(*)	30
Lead	Pb	NC	30	-	-	6.5	30
Mercury	Hg	NC	30	-	-	12.6	30
Molybdenum	Mo	NC	30	PASS	30	NC	30
Nickel	Ni	9.5	30	-	-	0	30
Selenium	Se	NC	30	-	-	NC	30
Tin	Sn	NC	30	-	-	NC	30
Vanadium	V	5.1	30	-	-	0	30
Zinc	Zn	0	30	-	-	1.1	30

ug/g = micrograms per gram
R.P.D. = Relative Percent Difference
PASS = Duplicate sample results were in the range of one to five times the detection limit. R.P.D. calculation is not applicable in this range. Acceptance criteria is a maximum difference between the duplicates equivalent to the value of the detection limit.
NC = Not Calculated. Duplicate sample results were less than the detection limit. Relative Percent Difference calculation is not defined for analyte levels of less than detection limit.
(*) = Quality Control results exceeded internally set limits; after review by Quality Assurance Unit, non-conformance overridden and batch sample analysis results released for reporting

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Batch Quality Control for Strong Acid Soluble Metals in Soil (QC# 78865)

Parameter		Duplicate (R.P.D.) 603280166	Duplicate Limits	Duplicate (R.P.D.) 603280187	Duplicate Limits	Duplicate (R.P.D.) 603280216	Duplicate Limits
Antimony	Sb	NC	30	-	-	-	-
Arsenic	As	NC	30	-	-	-	-
Barium	Ba	11.3	30	-	-	-	-
Beryllium	Be	NC	30	-	-	-	-
Chromium	Cr	3.8	30	-	-	-	-
Cobalt	Co	8	30	-	-	-	-
Copper	Cu	14.6	30	-	-	-	-
Lead	Pb	(*)	30	NC	30	NC	30
Mercury	Hg	7.8	30	-	-	-	-
Molybdenum	Mo	NC	30	-	-	-	-
Nickel	Ni	4.1	30	-	-	-	-
Selenium	Se	NC	30	-	-	-	-
Tin	Sn	NC	30	NC	30	-	-
Vanadium	V	3.8	30	-	-	-	-
Zinc	Zn	11.9	30	-	-	-	-

ug/g = micrograms per gram
R.P.D. = Relative Percent Difference
NC = Not Calculated. Duplicate sample results were less than the detection limit. Relative Percent Difference calculation is not defined for analyte levels of less than detection limit.
(*) = Quality Control results exceeded internally set limits; after review by Quality Assurance Unit, non-conformance overridden and batch sample analysis results released for reporting

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Batch Quality Control for Strong Acid Soluble Metals in Soil (QC# 78865)

Parameter		Duplicate (R.P.D.) 603280314	Duplicate Limits	Duplicate (R.P.D.) 603280498	Duplicate Limits	Duplicate (R.P.D.) 603280512	Duplicate Limits
Antimony	Sb	NC	30	NC	30	NC	30
Arsenic	As	NC	30	NC	30	PASS	30
Barium	Ba	1.9	30	2.3	30	0	30
Beryllium	Be	NC	30	NC	30	NC	30
Chromium	Cr	3.6	30	2.7	30	6.9	30
Cobalt	Co	0	30	0	30	PASS	30
Copper	Cu	2.4	30	10.3	30	5.4	30
Lead	Pb	12.5	30	2.7	30	PASS	30
Mercury	Hg	8.5	30	8.3	30	0	30
Molybdenum	Mo	NC	30	NC	30	NC	30
Nickel	Ni	0	30	5.6	30	PASS	30
Selenium	Se	NC	30	NC	30	NC	30
Tin	Sn	PASS	30	PASS	30	NC	30
Vanadium	V	4.1	30	3.3	30	3.9	30
Zinc	Zn	3.7	30	2.6	30	2.6	30

ug/g = micrograms per gram
R.P.D. = Relative Percent Difference
PASS = Duplicate sample results were in the range of one to five times the detection limit. R.P.D. calculation is not applicable in this range. Acceptance criteria is a maximum difference between the duplicates equivalent to the value of the detection limit.
NC = Not Calculated. Duplicate sample results were less than the detection limit. Relative Percent Difference calculation is not defined for analyte levels of less than detection limit.

Batch Quality Control for Strong Acid Soluble Metals in Soil (QC# 78865)

Parameter		NIST 2711 Montana Soil-SALM (% Recovery)	NIST 2711 Montana Soil-SALM Limits
Arsenic	As	93	79 - 100
Cadmium	Cd	110	80 - 120
Lead	Pb	91	77 - 115
Mercury	Hg	117	84 - 122
Nickel	Ni	78	41 - 120
Selenium	Se	92	56 - 134
Zinc	Zn	97	80 - 110
Calcium	Ca	73	67 - 85
Iron	Fe	71	55 - 97
Magnesium	Mg	73	59 - 89
Manganese	Mn	79	64 - 96
Sodium	Na	5	1 - 6
Strontium	Sr	18	10 - 34

ug/g = micrograms per gram

Batch Quality Control Frequency Summary

SALM in Soil Digestion (Batch# 78865)

QC Type	No. Samples
NIST 2711 Montana Soil-SALM	1
Blank	3
Duplicate	11

SALM Metals in Soil Sieve (Batch# 78856)

QC Type	No. Samples
Batch Size	87

SALM in Soil Digestion (Batch# 78865)

QC Type	No. Samples
Batch Size	116