

REPORTED TO: Environmental Dynamics



REPORT DATE: November 10, 2006

GROUP NUMBER: 71031092

Conventional Parameters in Soil

CLIENT SAMPLE IDENTIFICATION:	CANTEST ID	Moisture	pH
1-BVEGA-06-1	610310234	75.4	7.0
2-BVEGA-06-1	610310236	36.7	6.0
3-BVEGA-06-1	610310237	20.9	5.5
1-BVEGD-06-1	610310239	68.6	5.4
2-BVEGD-06-1	610310240	29.9	5.6
3-BVEGD-06-1	610310241	33.6	5.9
1-BVEG1-1-T	610310242	74.6	4.9
2-BVEG1-1-T	610310243	63.1	5.4
3-BVEG1-1-T	610310245	17.1	5.8
1-BVEG2-1-06	610310246	75.7	4.8
2-BVEG2-1-06	610310247	57.2	5.2
3-BVEG2-1-06	610310248	18.5	5.5
1-BVEG2-1-T	610310249	71.2	4.3
2-BVEG2-1-T	610310250	47.6	5.4
3-BVEG2-1-T	610310251	63.5	5.5
1-BVEG3-1-06	610310252	68.5	4.0
2-BVEG3-1-06	610310254	22.3	5.4
3-BVEG3-1-06	610310255	10.9	5.1
1-BVEGB-06-1	610310256	35.9	5.9
2-BVEGB-06-1	610310257	30.7	5.9
3-BVEG3-2-06	610310258	9.7	5.4
DETECTION LIMIT UNITS		0.1 %	0.1 pH units

% = percent

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**Strong Acid Soluble Metals in Soil**

CLIENT SAMPLE IDENTIFICATION:		1-BVEGA-06 -1	2-BVEGA-06 -1	3-BVEGA-06 -1	1-BVEGD-06 -1	DETECTION LIMIT
CANTEST ID:		610310234	610310236	610310237	610310239	
Antimony	Sb	<	<	<	<	10
Arsenic	As	60	18	<	<	10
Barium	Ba	207	78	42	433	1
Beryllium	Be	<	<	<	<	1
Cadmium	Cd	3.4	<	<	<	0.5
Chromium	Cr	5	15	10	8	2
Cobalt	Co	9	4	3	4	1
Copper	Cu	172	6	2	23	1
Lead	Pb	10	<	<	<	5
Mercury	Hg	0.22	0.03	0.01	0.13	0.01
Molybdenum	Mo	<	<	<	<	4
Nickel	Ni	10	6	5	6	2
Selenium	Se	0.3	<	<	0.5	0.2
Silver	Ag	<	<	<	<	2
Tin	Sn	<	<	<	<	5
Vanadium	V	10	35	23	10	1
Zinc	Zn	165	34	21	10	1
Aluminum	Al	4310	7130	4970	8350	10
Boron	B	23	9	6	6	1
Calcium	Ca	16900	2700	1920	6630	1
Iron	Fe	16100	11800	8490	6940	2
Magnesium	Mg	2040	3300	2180	668	0.1
Manganese	Mn	3160	140	88	299	1
Phosphorus	P	819	392	457	741	20
Potassium	K	300	579	308	138	10
Sodium	Na	113	17	<	83	5
Strontium	Sr	86	19	12	89	1
Titanium	Ti	65	435	258	62	1
Zirconium	Zr	1	1	<	<	1

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**Strong Acid Soluble Metals in Soil**

CLIENT SAMPLE IDENTIFICATION:		2-BVEGD-06 -1	3-BVEGD-06 -1	1-BVEG1-1- T	2-BVEG1-1- T	DETECTION LIMIT
CANTEST ID:		610310240	610310241	610310242	610310243	
Antimony	Sb	<	<	<	<	10
Arsenic	As	<	<	17	156	10
Barium	Ba	55	54	372	593	1
Beryllium	Be	<	<	<	<	1
Cadmium	Cd	<	<	1.2	1.3	0.5
Chromium	Cr	4	3	9	18	2
Cobalt	Co	2	2	12	39	1
Copper	Cu	5	5	17	19	1
Lead	Pb	<	<	<	25	5
Mercury	Hg	0.02	0.02	0.18	0.11	0.01
Molybdenum	Mo	<	<	<	<	4
Nickel	Ni	<	<	5	5	2
Selenium	Se	<	<	0.3	0.9	0.2
Silver	Ag	<	<	<	<	2
Tin	Sn	<	<	<	<	5
Vanadium	V	19	14	20	68	1
Zinc	Zn	7	6	48	72	1
Aluminum	Al	2390	3200	4670	11200	10
Boron	B	4	3	19	161	1
Calcium	Ca	757	879	9470	7730	1
Iron	Fe	5430	4610	21200	139000	2
Magnesium	Mg	364	349	1130	903	0.1
Manganese	Mn	119	201	2770	14200	1
Phosphorus	P	161	193	1150	1230	20
Potassium	K	112	156	495	137	10
Sodium	Na	105	150	<	<	5
Strontium	Sr	9	10	100	97	1
Titanium	Ti	206	170	63	135	1
Zirconium	Zr	<	<	1	11	1

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**Strong Acid Soluble Metals in Soil**

CLIENT SAMPLE IDENTIFICATION:		3-BVEG1-1-T	1-BVEG2-1-06	2-BVEG2-1-06	3-BVEG2-1-06	DETECTION LIMIT
CANTEST ID:		610310245	610310246	610310247	610310248	
Antimony	Sb	<	<	<	<	10
Arsenic	As	<	<	107	11	10
Barium	Ba	64	118	190	58	1
Beryllium	Be	<	<	<	<	1
Cadmium	Cd	<	2.3	1.3	<	0.5
Chromium	Cr	7	4	26	7	2
Cobalt	Co	2	1	8	2	1
Copper	Cu	2	94	57	3	1
Lead	Pb	<	<	13	<	5
Mercury	Hg	0.02	0.28	0.17	0.01	0.01
Molybdenum	Mo	<	<	<	<	4
Nickel	Ni	4	15	15	4	2
Selenium	Se	<	<	0.8	<	0.2
Silver	Ag	<	29	<	<	2
Tin	Sn	<	<	<	<	5
Vanadium	V	11	5	39	16	1
Zinc	Zn	20	55	95	22	1
Aluminum	Al	4360	1480	16000	4440	10
Boron	B	4	4	31	4	1
Calcium	Ca	1630	6520	4120	1550	1
Iron	Fe	5610	3280	37500	5830	2
Magnesium	Mg	1990	800	3600	1970	0.1
Manganese	Mn	120	189	1140	77	1
Phosphorus	P	301	719	894	318	20
Potassium	K	354	803	638	317	10
Sodium	Na	<	494	17	<	5
Strontium	Sr	12	43	44	11	1
Titanium	Ti	200	50	341	196	1
Zirconium	Zr	<	<	7	<	1

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**Strong Acid Soluble Metals in Soil**

CLIENT SAMPLE IDENTIFICATION:		1-BVEG2-1-T	2-BVEG2-1-T	3-BVEG2-1-T	1-BVEG3-1-06	DETECTION LIMIT
CANTEST ID:		610310249	610310250	610310251	610310252	
Antimony	Sb	<	<	<	<	10
Arsenic	As	<	<	223	<	10
Barium	Ba	186	48	219	83	1
Beryllium	Be	<	<	1	<	1
Cadmium	Cd	<	<	1.3	<	0.5
Chromium	Cr	5	4	14	4	2
Cobalt	Co	2	1	6	1	1
Copper	Cu	11	6	29	8	1
Lead	Pb	<	<	15	<	5
Mercury	Hg	0.39	0.03	0.10	0.27	0.01
Molybdenum	Mo	<	<	<	<	4
Nickel	Ni	4	<	6	3	2
Selenium	Se	0.2	<	1.1	<	0.2
Silver	Ag	<	<	<	<	2
Tin	Sn	<	<	<	<	5
Vanadium	V	8	25	93	6	1
Zinc	Zn	25	7	28	28	1
Aluminum	Al	4100	3040	17200	2330	10
Boron	B	5	5	59	3	1
Calcium	Ca	3540	839	4080	1630	1
Iron	Fe	5520	7600	65700	3440	2
Magnesium	Mg	583	288	1200	494	0.1
Manganese	Mn	81	36	777	40	1
Phosphorus	P	867	231	748	798	20
Potassium	K	398	84	241	620	10
Sodium	Na	<	68	<	<	5
Strontium	Sr	47	10	47	24	1
Titanium	Ti	65	186	261	61	1
Zirconium	Zr	<	<	7	<	1

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CLIENT SAMPLE IDENTIFICATION:		2-BVEG3-1-06	3-BVEG3-1-06	1-BVEGB-06-1	2-BVEGB-06-1	DETECTION LIMIT
CANTEST ID:		610310254	610310255	610310256	610310257	
Antimony	Sb	<	<	<	<	10
Arsenic	As	<	<	<	<	10
Barium	Ba	11	58	120	40	1
Beryllium	Be	<	<	<	<	1
Cadmium	Cd	<	<	<	<	0.5
Chromium	Cr	<	9	4	2	2
Cobalt	Co	2	2	3	1	1
Copper	Cu	2	4	8	6	1
Lead	Pb	<	<	5	<	5
Mercury	Hg	0.01	0.40	0.13	0.05	0.01
Molybdenum	Mo	<	<	<	<	4
Nickel	Ni	<	4	5	<	2
Selenium	Se	<	<	0.3	<	0.2
Silver	Ag	<	<	<	<	2
Tin	Sn	<	<	<	<	5
Vanadium	V	18	20	11	12	1
Zinc	Zn	6	21	28	6	1
Aluminum	Al	946	5250	3040	1900	10
Boron	B	3	6	5	3	1
Calcium	Ca	1080	1450	7760	1360	1
Iron	Fe	4620	8010	5400	3680	2
Magnesium	Mg	204	1970	1320	372	0.1
Manganese	Mn	26	81	229	25	1
Phosphorus	P	429	407	534	348	20
Potassium	K	31	362	240	156	10
Sodium	Na	60	<	12	232	5
Strontium	Sr	7	9	40	11	1
Titanium	Ti	220	233	76	209	1
Zirconium	Zr	<	<	<	1	1

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Strong Acid Soluble Metals in Soil

CLIENT SAMPLE IDENTIFICATION:		3-BVEG3-2-06	DETECTION LIMIT
CANTEST ID:		610310258	
Antimony	Sb	<	10
Arsenic	As	<	10
Barium	Ba	49	1
Beryllium	Be	<	1
Cadmium	Cd	<	0.5
Chromium	Cr	8	2
Cobalt	Co	2	1
Copper	Cu	4	1
Lead	Pb	<	5
Mercury	Hg	0.02	0.01
Molybdenum	Mo	<	4
Nickel	Ni	4	2
Selenium	Se	<	0.2
Silver	Ag	<	2
Tin	Sn	<	5
Vanadium	V	22	1
Zinc	Zn	18	1
Aluminum	Al	4510	10
Boron	B	6	1
Calcium	Ca	964	1
Iron	Fe	8380	2
Magnesium	Mg	1600	0.1
Manganese	Mn	83	1
Phosphorus	P	291	20
Potassium	K	296	10
Sodium	Na	<	5
Strontium	Sr	7	1
Titanium	Ti	187	1
Zirconium	Zr	<	1

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Conventional Parameters in Tissue

CLIENT SAMPLE IDENTIFICATION:	CANTEST ID	Moisture
SPMO-BVEGA-1	610310262	74.1
SPMO-BVEGH-1	610310263	57.2
SPMO-BVEG3-1	610310264	72.9
SPMO-BVEGE-1	610310265	67.2
SPMO-BVEGD-1	610310266	72.2
SPMO-BVEGB-1	610310267	44.7
SPMO-BVEGG-1	610310268	75.3
06-BVEG1-SPMO-A	610310270	63.2
06-BVEG1-SPMO-B2	610310271	72.1
06-BVEG1-SPMO-C	610310272	87.9
06-BVEG1-SPMO-D	610310273	82.3
DETECTION LIMIT UNITS		0.1 %

% = percent



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**Metals Analysis in Tissue**

CLIENT SAMPLE IDENTIFICATION:		SPMO-BVEGAS-1	SPMO-BVEGH-1	SPMO-BVEG3-1	SPMO-BVEGE-1	DETECTION LIMIT
CANTEST ID:		610310262	610310263	610310264	610310265	
Aluminum	Al	2020	552	443	405	0.5
Antimony	Sb	2.4	1.2	2.1	0.8	0.1
Arsenic	As	64.6	11.8	21.2	7.8	0.1
Barium	Ba	77.8	35.8	47.7	25.7	0.1
Beryllium	Be	0.10	<	<	<	0.02
Boron	B	42	4	4	3	2
Cadmium	Cd	1.33	0.42	0.20	0.13	0.02
Calcium	Ca	11100	4200	3400	3080	1
Chromium	Cr	6.4	2.3	1.6	1.8	0.1
Cobalt	Co	2.4	0.4	0.3	0.3	0.1
Copper	Cu	21.4	10.4	16.7	6.8	0.1
Iron	Fe	12700	987	1020	679	5
Lead	Pb	23.5	11.7	19.0	6.9	0.1
Magnesium	Mg	2290	1600	973	1030	0.5
Manganese	Mn	1220	1110	903	774	0.1
Mercury	Hg	0.050	0.096	0.073	0.057	0.01
Molybdenum	Mo	0.3	0.2	0.1	<	0.1
Nickel	Ni	5.6	1.8	1.3	2.3	0.1
Phosphorus	P	682	743	1030	724	0.5
Potassium	K	2300	2440	2780	2120	1
Selenium	Se	0.3	<	<	<	0.2
Silicon	Si	471	553	428	357	10
Silver	Ag	0.58	0.28	0.39	0.21	0.01
Sodium	Na	117	29	26	29	1
Strontium	Sr	43.1	10.8	7.32	8.64	0.05
Tellurium	Te	<	<	<	<	0.1
Thallium	Tl	0.06	<	0.05	0.02	0.02
Tin	Sn	0.2	3.6	0.5	0.2	0.1
Titanium	Ti	89.0	21.8	22.9	19.0	0.3
Uranium	U	0.87	0.04	<	<	0.04
Vanadium	V	9.1	1.7	1.5	1.3	0.5
Zinc	Zn	197	49.0	52.0	56.2	0.5
Zirconium	Zr	<	<	<	<	3

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**Metals Analysis in Tissue**

CLIENT SAMPLE IDENTIFICATION:		SPMO-BVEGD -1	SPMO-BVEGD -1	SPMO-BVEGD -1	06-BVEG1-S PMO-A	DETECTION LIMIT
CANTEST ID:		610310266	610310267	610310268	610310270	
Aluminum	Al	629	190	407	2770	0.5
Antimony	Sb	2.6	0.2	1.4	2.9	0.1
Arsenic	As	23.5	2.5	13.3	113	0.1
Barium	Ba	68.3	56.3	73.0	221	0.1
Beryllium	Be	<	0.02	<	0.15	0.02
Boron	B	7	9	7	39	2
Cadmium	Cd	1.53	0.10	2.56	1.60	0.02
Calcium	Ca	6880	8720	6150	17600	1
Chromium	Cr	2.0	0.9	1.2	5.3	0.1
Cobalt	Co	0.5	0.7	0.4	19.1	0.1
Copper	Cu	9.7	3.3	11.7	512	0.1
Iron	Fe	1190	1760	866	25900	5
Lead	Pb	24.9	1.2	12.5	31.1	0.1
Magnesium	Mg	1970	1310	1860	2180	0.5
Manganese	Mn	776	219	1120	7250	0.1
Mercury	Hg	0.088	0.039	0.081	0.186	0.01
Molybdenum	Mo	0.1	1.5	<	1.9	0.1
Nickel	Ni	1.8	1.3	2.4	17.2	0.1
Phosphorus	P	1140	668	988	682	0.5
Potassium	K	2330	2470	3070	562	1
Selenium	Se	0.2	<	<	0.8	0.2
Silicon	Si	495	327	292	302	10
Silver	Ag	0.53	0.06	0.57	5.31	0.01
Sodium	Na	31	63	39	160	1
Strontium	Sr	42.4	39.7	33.5	69.3	0.05
Tellurium	Te	<	<	<	<	0.1
Thallium	Tl	0.04	<	0.03	0.11	0.02
Tin	Sn	0.6	0.2	2.0	0.5	0.1
Titanium	Ti	30.9	7.9	19.3	93.9	0.3
Uranium	U	0.05	8.60	0.07	4.14	0.04
Vanadium	V	1.9	1.5	1.4	10.4	0.5
Zinc	Zn	79.3	10.7	216	84.4	0.5
Zirconium	Zr	<	<	<	<	3

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**Metals Analysis in Tissue**

CLIENT SAMPLE IDENTIFICATION:		06-BVEG1-S PMO-B2	06-BVEG1-S PMO-C	06-BVEG1-S PMO-D	DETECTION LIMIT
CANTEST ID:		610310271	610310272	610310273	
Aluminum	Al	1500	537	938	0.5
Antimony	Sb	1.8	0.6	0.5	0.1
Arsenic	As	30.2	6.4	4.8	0.1
Barium	Ba	130	37.5	31.2	0.1
Beryllium	Be	0.08	<	<	0.02
Boron	B	96	21	4	2
Cadmium	Cd	0.85	0.29	0.06	0.02
Calcium	Ca	17100	15300	1940	1
Chromium	Cr	2.4	0.9	0.8	0.1
Cobalt	Co	14.5	1.8	0.2	0.1
Copper	Cu	185	12.6	4.5	0.1
Iron	Fe	6790	954	413	5
Lead	Pb	14.5	4.6	4.1	0.1
Magnesium	Mg	2020	3070	615	0.5
Manganese	Mn	5400	919	742	0.1
Mercury	Hg	0.129	0.082	0.058	0.01
Molybdenum	Mo	3.7	0.3	<	0.1
Nickel	Ni	13.1	1.8	0.6	0.1
Phosphorus	P	466	683	449	0.5
Potassium	K	511	1460	2460	1
Selenium	Se	0.4	<	<	0.2
Silicon	Si	389	667	485	10
Silver	Ag	1.31	0.34	0.15	0.01
Sodium	Na	170	220	33	1
Strontium	Sr	61.4	57.4	5.43	0.05
Tellurium	Te	<	<	<	0.1
Thallium	Tl	0.06	<	<	0.02
Tin	Sn	0.6	6.1	0.6	0.1
Titanium	Ti	42.4	9.9	13.1	0.3
Uranium	U	4.58	0.51	<	0.04
Vanadium	V	5.9	1.0	0.9	0.5
Zinc	Zn	52.5	27.6	16.2	0.5
Zirconium	Zr	<	<	<	3

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Batch Quality Control for Strong Acid Soluble Metals in Soil (QC# 87528)

Parameter		Blank (ug/g)	Blank Limits	CAN MET Till-1 (% Recovery)	CAN MET Till-1 Limits	Duplicate (R.P.D.) 610300332	Duplicate Limits
Antimony	Sb	-	-	-	-	NC	30
Arsenic	As	< 10	10	115	77 - 146	PASS	30
Barium	Ba	< 1	1	-	-	3	30
Beryllium	Be	-	-	-	-	NC	30
Chromium	Cr	-	-	-	-	2.9	30
Cobalt	Co	-	-	-	-	15.4	30
Copper	Cu	< 1	1	-	-	0	30
Lead	Pb	< 5	5	117	65 - 171	14.4	30
Mercury	Hg	< 0.01	0.001	105	33 - 174	7.4	30
Molybdenum	Mo	-	-	-	-	NC	30
Nickel	Ni	< 2	2	83	49 - 149	0	30
Selenium	Se	< 0.2	0.2	-	-	PASS	30
Tin	Sn	-	-	-	-	NC	30
Vanadium	V	-	-	-	-	0	30
Zinc	Zn	< 1	1	84	79 - 114	3.7	30
Calcium	Ca	-	-	63	51 - 106	-	-
Iron	Fe	-	-	94	74 - 139	-	-
Manganese	Mn	-	-	112	92 - 138	-	-

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# 87528)

Parameter		Duplicate (R.P.D.) 610310034	Duplicate Limits	Duplicate (R.P.D.) 610310237	Duplicate Limits	Duplicate (R.P.D.) 610310249	Duplicate Limits
Antimony	Sb	NC	30	NC	30	NC	30
Arsenic	As	NC	30	NC	30	NC	30
Barium	Ba	1.5	30	7.1	30	11.3	30
Beryllium	Be	NC	30	NC	30	NC	30
Chromium	Cr	0	30	PASS	30	PASS	30
Cobalt	Co	0	30	PASS	30	PASS	30
Copper	Cu	10.2	30	PASS	30	0	30
Lead	Pb	3.3	30	NC	30	NC	30
Mercury	Hg	0	30	0	30	2.5	30
Molybdenum	Mo	3.1	30	NC	30	NC	30
Nickel	Ni	0	30	PASS	30	PASS	30
Selenium	Se	PASS	30	NC	30	NC	30
Tin	Sn	PASS	30	NC	30	NC	30
Vanadium	V	3.4	30	4.3	30	0	30
Zinc	Zn	1.4	30	4.7	30	16	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: November 10, 2006

GROUP NUMBER: 71031092

Batch Quality Control for Strong Acid Soluble Metals in Soil (QC# 87528)

Parameter		Duplicate (R.P.D.) 610310269	Duplicate Limits	Duplicate (R.P.D.) 610310292	Duplicate Limits	Duplicate (R.P.D.) 610310324	Duplicate Limits
Antimony	Sb	NC	30	NC	30	NC	30
Arsenic	As	NC	30	NC	30	NC	30
Barium	Ba	1.8	30	4.1	30	2.4	30
Beryllium	Be	NC	30	NC	30	NC	30
Chromium	Cr	2.9	30	0	30	2.7	30
Cobalt	Co	4.1	30	4.3	30	4.7	30
Copper	Cu	2.9	30	10.9	30	1.2	30
Lead	Pb	PASS	30	6.7	30	0	30
Mercury	Hg	7.4	30	0	30	0	30
Molybdenum	Mo	NC	30	PASS	30	NC	30
Nickel	Ni	2.6	30	2.8	30	2.9	30
Selenium	Se	PASS	30	PASS	30	PASS	30
Tin	Sn	NC	30	NC	30	NC	30
Vanadium	V	0.9	30	4.8	30	6.7	30
Zinc	Zn	23.1	30	5.7	30	4.1	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.

REPORTED TO: Environmental Dynamics



REPORT DATE: November 10, 2006

GROUP NUMBER: 71031092

Batch Quality Control for Strong Acid Soluble Metals in Soil (QC# 87528)

Parameter		Duplicate (R.P.D.) 610310335	Duplicate Limits	Duplicate (R.P.D.) 610310380	Duplicate Limits	Duplicate (R.P.D.) 610310393	Duplicate Limits
Antimony	Sb	NC	30	NC	30	NC	30
Arsenic	As	NC	30	NC	30	NC	30
Barium	Ba	0	30	10.1	30	3.8	30
Beryllium	Be	NC	30	NC	30	NC	30
Chromium	Cr	PASS	30	13.3	30	0	30
Cobalt	Co	PASS	30	0	30	0	30
Copper	Cu	0	30	8.8	30	15.4	30
Lead	Pb	NC	30	16.7	30	PASS	30
Mercury	Hg	10.5	30	0	30	6.1	30
Molybdenum	Mo	NC	30	NC	30	NC	30
Nickel	Ni	PASS	30	5.1	30	4.1	30
Selenium	Se	PASS	30	PASS	30	PASS	30
Tin	Sn	NC	30	NC	30	NC	30
Vanadium	V	8.7	30	2.4	30	5.7	30
Zinc	Zn	(*)	30	0.9	30	3.5	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.

(\*) = 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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REPORT DATE: November 10, 2006

GROUP NUMBER: 71031092

Batch Quality Control for Dissolved Metals Analysis in Tissue (QC# 87754)

Parameter		Blank (ug/g)	Blank Limits	Duplicate (R.P.D.) 610310265	Duplicate Limits	Duplicate (R.P.D.) 611030058	Duplicate Limits
Aluminum	Al	< 0.5	0.2	4.7	20	8.3	20
Antimony	Sb	< 0.1	0.001	11.8	20	NC	20
Arsenic	As	< 0.1	0.002	3.8	20	NC	20
Barium	Ba	< 0.1	0.001	5.1	20	2.4	20
Beryllium	Be	< 0.02	0.001	NC	20	NC	20
Boron	B	< 2	0.02	PASS	20	PASS	20
Cadmium	Cd	< 0.02	0.0004	11.8	20	6.3	20
Calcium	Ca	< 1	0.3	10.7	20	3.9	20
Chromium	Cr	< 0.1	0.001	11.8	20	PASS	20
Cobalt	Co	< 0.1	0.001	PASS	20	PASS	20
Copper	Cu	< 0.1	0.001	3.3	20	5.9	20
Iron	Fe	< 5	0.05	1.2	20	3	20
Lead	Pb	< 0.1	0.002	12.9	20	PASS	20
Magnesium	Mg	< 0.5	0.2	5.8	20	1.8	20
Manganese	Mn	< 0.1	0.01	12	20	8.7	20
Mercury	Hg	-	-	1.8	20	-	-
Molybdenum	Mo	< 0.1	0.002	NC	20	4.7	20
Nickel	Ni	< 0.1	0.003	8	20	0	20
Phosphorus	P	< 0.5	0.1	10.6	20	3	20
Potassium	K	< 1	0.3	12.3	20	0	20
Selenium	Se	< 0.2	0.004	NC	20	PASS	20
Silver	Ag	< 0.01	0.001	11.1	20	NC	20
Sodium	Na	< 1	0.5	6.9	20	18.2	20
Strontium	Sr	< 0.05	0.002	13.8	20	2.3	20
Tellurium	Te	< 0.1	0.002	NC	20	NC	20
Thallium	Tl	< 0.02	0.002	NC	20	NC	20
Tin	Sn	< 0.1	0.01	NC	20	NC	20
Titanium	Ti	< 0.3	0.01	1.1	20	PASS	20
Uranium	U	< 0.04	0.002	NC	20	NC	20
Vanadium	V	< 0.5	0.002	PASS	20	NC	20
Zinc	Zn	< 0.5	0.04	4.6	20	1.5	20
Zirconium	Zr	< 3	0.04	NC	20	NC	20

ug/g = micrograms per gram, dry basis

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: November 10, 2006

GROUP NUMBER: 71031092

Batch Quality Control for Dissolved Metals Analysis in Tissue (QC# 87754)

Parameter		NIST1573a Tomato Leaves (% Recovery)	NIST1573a Tomato Leaves Limits	NRC TORT-2, "Lobster Tissue" (% Recovery)	NRC TORT-2, "Lobster Tissue" Limits
Aluminum	Al	34	7 - 91	-	-
Arsenic	As	179	80 - 283	93	66 - 113
Boron	B	93	62 - 142	-	-
Cadmium	Cd	79	30 - 124	85	63 - 118
Calcium	Ca	92	60 - 120	-	-
Chromium	Cr	50	28 - 97	104	60 - 120
Cobalt	Co	88	50 - 150	98	60 - 120
Copper	Cu	96	59 - 125	89	60 - 120
Iron	Fe	118	52 - 167	92	60 - 120
Lead	Pb	-	-	86	39 - 150
Manganese	Mn	87	62 - 131	86	60 - 120
Mercury	Hg	103	66 - 110	96	85 - 115
Molybdenum	Mo	-	-	84	60 - 120
Nickel	Ni	75	28 - 143	84	50 - 122
Phosphorus	P	98	60 - 120	-	-
Potassium	K	92	60 - 120	-	-
Selenium	Se	-	-	98	67 - 118
Sodium	Na	86	60 - 120	-	-
Strontium	Sr	-	-	89	60 - 120
Vanadium	V	50	50 - 150	110	60 - 120
Zinc	Zn	75	49 - 109	87	53 - 125

ug/g = micrograms per gram, dry basis

REPORTED TO: Environmental Dynamics



REPORT DATE: November 10, 2006

GROUP NUMBER: 71031092

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**Instrument Quality Control for the Mercury Monitor (QC# 172396)**

**QC Type: Calibration Verification**

Parameter	% Recovery	Limits
Mercury Hg	103	90 - 110

REPORTED TO: Environmental Dynamics



REPORT DATE: November 10, 2006

GROUP NUMBER: 71031092

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**Batch Quality Control Frequency Summary**

**SALM in Soil Digestion (Batch# 87528)**

QC Type	No. Samples
CAN MET Till-1	1
Blank	3
Duplicate	10

**Metals Plant Tissue Digestion (Batch# 87754)**

QC Type	No. Samples
NIST1573a Tomato Leaves	1
NRC TORT-2, "Lobster Tissue"	1
Blank	2
Duplicate	3

**SALM Metals in Soil Sieve (Batch# 87506)**

QC Type	No. Samples
Batch Size	97

**SALM in Soil Digestion (Batch# 87528)**

QC Type	No. Samples
Batch Size	107

**Metals Plant Tissue Digestion (Batch# 87754)**

QC Type	No. Samples
Batch Size	28

## Analysis Report



CANTEST LTD.

Professional  
Analytical  
Services

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

FAX: 604 731 2386

TEL: 604 734 7276

1 800 665 8566

REPORT ON: Analysis of Tissue Samples

REPORTED TO: Environmental Dynamics  
407-B Steele St  
Whitehorse, YK  
Y1A 2C7

Att'n: Pat Tobler

CHAIN OF CUSTODY: 192272, 192273, 192274  
PROJECT NAME: Mt. Nansen  
PROJECT NUMBER: 06-YC-0027  
P.O. NUMBER: 00010275

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NUMBER OF SAMPLES: 32

REPORT DATE: November 10, 2006

DATE SUBMITTED: October 31, 2006

GROUP NUMBER: 71031092

SAMPLE TYPE: Soil, Tissue

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.

Moisture Content of Plant Tissue - analysis was performed gravimetrically by heating a pre-weighed portion of sample at 105C 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.

Mercury in Tissue - samples were digested using a nitric acid-hydrogen peroxide digestion procedure based on EPA Method 200.3. Analysis was performed using Cold Vapour Atomic Absorption Spectrophotometry or Cold Vapour Atomic Fluorescence Spectrophotometry.

Metals in Tissue - samples were digested using a nitric acid-hydrogen peroxide digestion procedure based on EPA Method 200.3. Analysis was performed using Inductively Coupled Argon Plasma Spectroscopy (ICP), ICP Mass Spectrometry (ICP/MS), or Atomic Absorption techniques.

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

(Continued)

CANTEST LTD.

REPORTED TO: Environmental Dynamics



REPORT DATE: November 10, 2006

GROUP NUMBER: 71031092

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**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)**