



Analytical Report

Norwest Labs
 #104, 19575-55 A Ave.
 Surrey, BC. V3S 8P8
 Phone: (604) 514-3322
 Fax: (604) 514-3323

Bill to: Environmental Dynamics
Report to: Environmental Dynamics
 Suite 206, 4133-4th Avenue
 Whitehorse, BC, Canada
 Y1A 1H8
 Attn: Pat Tobler
 Sampled By:
 Company:

Project ID:
Name:
Location:
LSD:
P.O.:
Acct. Code:

NWL Lot ID: 433207
 Control Number:
 Date Received: Dec 30, 2005
 Date Reported: Jan 10, 2006
 Report Number: 800368

Analyte	Units	NWL Number	433207-1	433207-2	433207-3	Detection Limit
		Sample Description Matrix	D@R-1 / -2 / -3 Soil	UD-1 / -2 / -3 Soil	VIC - DSD-1 / -2 / -3 Soil	
Metals Strong Acid Digestion						
Aluminum	Strong Acid Extractable	ug/g	6150	7500	6190	1
Antimony	Strong Acid Extractable	ug/g	1.5	1.1	<0.5	0.5
Arsenic	Strong Acid Extractable	ug/g	186	34.2	7.71	0.20
Barium	Strong Acid Extractable	ug/g	50.4	48.7	67.1	0.02
Beryllium	Strong Acid Extractable	ug/g	0.19	0.23	0.20	0.02
Bismuth	Strong Acid Extractable	ug/g	<0.5	<0.5	<0.5	0.5
Cadmium	Strong Acid Extractable	ug/g	<0.05	0.70	0.2	0.05
Calcium	Strong Acid Extractable	ug/g	4600	5670	3900	2
Chromium	Strong Acid Extractable	ug/g	15.4	14.0	19.7	0.02
Cobalt	Strong Acid Extractable	ug/g	3.3	3.6	3.1	0.05
Copper	Strong Acid Extractable	ug/g	7.03	16.6	8.51	0.05
Iron	Strong Acid Extractable	ug/g	19900	16400	18100	1
Lead	Strong Acid Extractable	ug/g	22.4	8.10	9.18	0.3
Lithium	Strong Acid Extractable	ug/g	5.14	6.78	5.06	0.1
Magnesium	Strong Acid Extractable	ug/g	2480	2880	2120	10
Manganese	Strong Acid Extractable	ug/g	195	276	311	0.3
Molybdenum	Strong Acid Extractable	ug/g	0.1	0.2	0.60	0.1
Nickel	Strong Acid Extractable	ug/g	8.0	9.2	7.7	0.1
Phosphorus	Strong Acid Extractable	ug/g	724	568	592	0.5
Potassium	Strong Acid Extractable	ug/g	593	786	538	5
Selenium	Strong Acid Extractable	ug/g	0.96	0.84	0.96	0.3
Silicon	Strong Acid Extractable	ug/g	102	95.2	92.9	0.3
Silver	Strong Acid Extractable	ug/g	<0.15	<0.15	<0.15	0.15
Sodium	Strong Acid Extractable	ug/g	208	285	191	1
Strontium	Strong Acid Extractable	ug/g	23.6	31.4	25.5	0.02
Sulfur	Strong Acid Extractable	ug/g	284	249	109	1
Thallium	Strong Acid Extractable	ug/g	<0.2	<0.2	<0.2	0.3
Tin	Strong Acid Extractable	ug/g	1.0	0.81	5.15	0.2
Titanium	Strong Acid Extractable	ug/g	172	343	297	0.05
Uranium	Strong Acid Extractable	ug/g	17	19	25	3
Vanadium	Strong Acid Extractable	ug/g	46.4	37.2	46.5	0.2
Zinc	Strong Acid Extractable	ug/g	65.5	51.3	78.9	0.1
Zirconium	Strong Acid Extractable	ug/g	2.0	2.3	2.3	0.05



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Analyte	Matrix	NWL Number	433207-4	433207-5	433207-6	Detection Limit
		Sample Description	VIC@R-1 / -2 / -3	VIC-USB-1 / -2 / -3	BSP-1 / -2 / -3	
	Units	Results	Results	Results	Results	
Metals Strong Acid Digestion						
Aluminum	Strong Acid Extractable	ug/g	4090	5870	6990	1
Antimony	Strong Acid Extractable	ug/g	<0.5	<0.5	0.62	0.5
Arsenic	Strong Acid Extractable	ug/g	7.69	2.5	12.7	0.20
Barium	Strong Acid Extractable	ug/g	57.5	71.0	48.0	0.02
Beryllium	Strong Acid Extractable	ug/g	0.15	0.17	0.20	0.02
Bismuth	Strong Acid Extractable	ug/g	<0.5	<0.5	<0.5	0.5
Cadmium	Strong Acid Extractable	ug/g	0.1	0.1	0.1	0.05
Calcium	Strong Acid Extractable	ug/g	2070	3390	6490	2
Chromium	Strong Acid Extractable	ug/g	7.67	10.8	11.9	0.02
Cobalt	Strong Acid Extractable	ug/g	2.5	2.6	3.1	0.05
Copper	Strong Acid Extractable	ug/g	4.9	5.64	5.58	0.05
Iron	Strong Acid Extractable	ug/g	9960	13400	12200	1
Lead	Strong Acid Extractable	ug/g	5.17	4.9	5.02	0.3
Lithium	Strong Acid Extractable	ug/g	3.4	4.9	6.38	0.1
Magnesium	Strong Acid Extractable	ug/g	1490	2040	2960	10
Manganese	Strong Acid Extractable	ug/g	233	141	354	0.3
Molybdenum	Strong Acid Extractable	ug/g	0.3	0.3	0.2	0.1
Nickel	Strong Acid Extractable	ug/g	4.7	5.6	8.2	0.1
Phosphorus	Strong Acid Extractable	ug/g	334	600	491	0.5
Potassium	Strong Acid Extractable	ug/g	430	500	713	5
Selenium	Strong Acid Extractable	ug/g	0.60	0.52	0.67	0.3
Silicon	Strong Acid Extractable	ug/g	44	79.2	56.3	0.3
Silver	Strong Acid Extractable	ug/g	<0.15	<0.15	<0.15	0.15
Sodium	Strong Acid Extractable	ug/g	122	174	268	1
Strontium	Strong Acid Extractable	ug/g	15.8	24.9	31.9	0.02
Sulfur	Strong Acid Extractable	ug/g	53.3	76.5	179	1
Thallium	Strong Acid Extractable	ug/g	<0.2	<0.2	<0.2	0.3
Tin	Strong Acid Extractable	ug/g	4.8	1.0	0.50	0.2
Titanium	Strong Acid Extractable	ug/g	181	246	296	0.05
Uranium	Strong Acid Extractable	ug/g	10	19	14	3
Vanadium	Strong Acid Extractable	ug/g	22.6	33.0	27.9	0.2
Zinc	Strong Acid Extractable	ug/g	29.4	30.6	41.9	0.1
Zirconium	Strong Acid Extractable	ug/g	1.8	1.8	2.2	0.05



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Analyte	Units	NWL Number	433207-7	433207-8	433207-9	Detection Limit
		Sample Description	VIC-DSB-1 / -2 / -3	1-V5	1-D-1	
		Matrix	Soil	Soil	Soil	
Metals Strong Acid Digestion						
Aluminum	Strong Acid Extractable	ug/g	4540	6550	7840	1
Antimony	Strong Acid Extractable	ug/g	<0.50	<0.5	57.0	0.5
Arsenic	Strong Acid Extractable	ug/g	4.5	5.00	1080	0.20
Barium	Strong Acid Extractable	ug/g	54.6	71.9	94.1	0.02
Beryllium	Strong Acid Extractable	ug/g	0.16	0.19	0.20	0.02
Bismuth	Strong Acid Extractable	ug/g	<0.5	<0.5	<0.5	0.5
Cadmium	Strong Acid Extractable	ug/g	0.1	0.1	4.8	0.05
Calcium	Strong Acid Extractable	ug/g	2370	3400	4480	2
Chromium	Strong Acid Extractable	ug/g	10.3	10.3	11.7	0.02
Cobalt	Strong Acid Extractable	ug/g	2.8	2.6	4.0	0.05
Copper	Strong Acid Extractable	ug/g	5.39	10.6	43.6	0.05
Iron	Strong Acid Extractable	ug/g	16100	11400	18200	1
Lead	Strong Acid Extractable	ug/g	6.73	6.04	324	0.3
Lithium	Strong Acid Extractable	ug/g	3.8	5.99	7.79	0.1
Magnesium	Strong Acid Extractable	ug/g	1620	2290	3210	10
Manganese	Strong Acid Extractable	ug/g	183	154	385	0.3
Molybdenum	Strong Acid Extractable	ug/g	0.3	0.3	0.3	0.1
Nickel	Strong Acid Extractable	ug/g	4.7	6.0	7.7	0.1
Phosphorus	Strong Acid Extractable	ug/g	397	577	556	0.5
Potassium	Strong Acid Extractable	ug/g	420	546	930	5
Selenium	Strong Acid Extractable	ug/g	0.76	0.53	0.61	0.3
Silicon	Strong Acid Extractable	ug/g	75.4	64.8	89.0	0.3
Silver	Strong Acid Extractable	ug/g	<0.15	<0.15	<0.15	0.15
Sodium	Strong Acid Extractable	ug/g	125	196	205	1
Strontium	Strong Acid Extractable	ug/g	21.5	25.6	26.5	0.02
Sulfur	Strong Acid Extractable	ug/g	63.5	68.8	2560	1
Thallium	Strong Acid Extractable	ug/g	<0.2	<0.2	0.59	0.3
Tin	Strong Acid Extractable	ug/g	0.80	0.61	1.4	0.2
Titanium	Strong Acid Extractable	ug/g	243	253	248	0.05
Uranium	Strong Acid Extractable	ug/g	18	16	12	3
Vanadium	Strong Acid Extractable	ug/g	39.9	26.1	26.4	0.2
Zinc	Strong Acid Extractable	ug/g	28.8	35.0	744	0.1
Zirconium	Strong Acid Extractable	ug/g	1.9	1.9	1.9	0.05



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NWL Number 433207-10
 Sample Description 1-D-2
 Matrix Soil

Analyte	Units	Results	Results	Results	Detection Limit
Metals Strong Acid Digestion					
Aluminum	Strong Acid Extractable ug/g	6680			1
Antimony	Strong Acid Extractable ug/g	<0.5			0.5
Arsenic	Strong Acid Extractable ug/g	11.0			0.20
Barium	Strong Acid Extractable ug/g	50.1			0.02
Beryllium	Strong Acid Extractable ug/g	0.19			0.02
Bismuth	Strong Acid Extractable ug/g	<0.5			0.5
Cadmium	Strong Acid Extractable ug/g	0.07			0.05
Calcium	Strong Acid Extractable ug/g	3390			2
Chromium	Strong Acid Extractable ug/g	13.2			0.02
Cobalt	Strong Acid Extractable ug/g	2.5			0.05
Copper	Strong Acid Extractable ug/g	9.23			0.05
Iron	Strong Acid Extractable ug/g	13400			1
Lead	Strong Acid Extractable ug/g	4.5			0.3
Lithium	Strong Acid Extractable ug/g	5.90			0.1
Magnesium	Strong Acid Extractable ug/g	2570			10
Manganese	Strong Acid Extractable ug/g	107			0.3
Molybdenum	Strong Acid Extractable ug/g	0.2			0.1
Nickel	Strong Acid Extractable ug/g	7.4			0.1
Phosphorus	Strong Acid Extractable ug/g	504			0.5
Potassium	Strong Acid Extractable ug/g	686			5
Selenium	Strong Acid Extractable ug/g	0.4			0.3
Silicon	Strong Acid Extractable ug/g	50.5			0.3
Silver	Strong Acid Extractable ug/g	<0.15			0.15
Sodium	Strong Acid Extractable ug/g	223			1
Strontium	Strong Acid Extractable ug/g	22.4			0.02
Sulfur	Strong Acid Extractable ug/g	143			1
Thallium	Strong Acid Extractable ug/g	<0.2			0.3
Tin	Strong Acid Extractable ug/g	0.80			0.2
Titanium	Strong Acid Extractable ug/g	292			0.05
Uranium	Strong Acid Extractable ug/g	15			3
Vanadium	Strong Acid Extractable ug/g	33.2			0.2
Zinc	Strong Acid Extractable ug/g	37.1			0.1
Zirconium	Strong Acid Extractable ug/g	2.1			0.05



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Approved by:

Bill Warning, B.Sc.
Lab Operations Manager



Methodology and Notes

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Method of Analysis:

MethodName	Reference	Method	Date Analysis Started	Location
Metals (Strong Acid Leachable) in solids	US EPA	Metals & Trace Elements by ICP-AES, 6010B	6-Jan-06	Norwest Labs Surrey

* Norwest method(s) is based on reference method

References:

US EPA US Environmental Protection Agency Test Methods

Comments:

Confirmed to use regular hotblock method , as per conversation with Pat,, Bill and Juliet on morning of Jan4th. jtJan4th 2006.

Please direct any inquiries regarding this report to our Client Services group.
Results relate only to samples as submitted

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NWL Lot ID: 433207
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 Date Received: Dec 30, 2005
 Date Reported: Feb 20, 2006
 Report Number: 818583

Analyte	Units	NWL Number	433207-11	433207-12	433207-13	Detection Limit
		Sample Description	D@R-1/2/3 / HCL Peroxide Digestion Soil	UD-1/2/3 / HCL Peroxide Digestion Soil	VIC-DSD-1/2/3 / HCL Peroxide Digestion Soil	
Metals						
Aluminum	ug/g		2540	3100	2030	1
Antimony	ug/g		<0.5	<0.5	<0.5	0.5
Arsenic	ug/g		163	27.3	3.4	0.20
Barium	ug/g		29.6	35.6	46.4	0.02
Beryllium	ug/g		0.090	0.11	0.090	0.02
Bismuth	ug/g		<0.5	<0.5	<0.5	0.5
Cadmium	ug/g		<0.05	0.2	0.1	0.05
Calcium	ug/g		2700	4020	1790	2
Chromium	ug/g		4.62	5.50	7.00	0.02
Cobalt	ug/g		1.8	2.5	1.8	0.05
Copper	ug/g		5.39	15.1	5.29	0.05
Iron	ug/g		7040	7040	4530	1
Lead	ug/g		20.4	5.64	6.79	0.3
Lithium	ug/g		2.5	3.3	1.9	0.1
Magnesium	ug/g		1260	1540	875	10
Manganese	ug/g		122	188	197	0.3
Molybdenum	ug/g		<0.05	<0.05	0.2	0.1
Nickel	ug/g		4.6	6.0	3.7	0.1
Phosphorus	ug/g		721	646	433	0.5
Potassium	ug/g		290	360	180	5
Selenium	ug/g		<0.2	<0.2	<0.2	0.3
Silicon	ug/g		1210	1270	1050	0.3
Silver	ug/g		<0.15	<0.15	<0.15	0.15
Sodium	ug/g		80.5	99.2	50.8	1
Strontium	ug/g		12.3	17.2	12.1	0.02
Sulfur	ug/g		154	147	38	1
Thallium	ug/g		<0.2	<0.2	<0.2	0.3
Tin	ug/g		3.2	0.4	3.6	0.2
Titanium	ug/g		64.9	87.9	55.5	0.05
Uranium	ug/g		9.7	9.6	7.5	3
Vanadium	ug/g		8.86	10.4	8.58	0.2
Zinc	ug/g		38.4	34.8	46.0	0.1
Zirconium	ug/g		<0.05	<0.05	<0.05	0.05



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Analyte	Units	NWL Number	433207-14	433207-15	433207-16	Detection Limit
		Sample Description	VIC@R-1/2/3 / HCL Peroxide Digestion Soil	VIC-USB-1/2/3 / HCL Peroxide Digestion Soil	BSP-1/2/3 / HCL Peroxide Digestion Soil	
Metals						
Aluminum	ug/g		1380	1950	2810	1
Antimony	ug/g		<0.5	<0.5	<0.5	0.5
Arsenic	ug/g		7.32	1.7	5.73	0.20
Barium	ug/g		36.4	45.0	28.6	0.02
Beryllium	ug/g		0.075	0.080	0.095	0.02
Bismuth	ug/g		<0.5	0.6	<0.5	0.5
Cadmium	ug/g		0.1	0.07	0.09	0.05
Calcium	ug/g		943	1310	4440	2
Chromium	ug/g		2.44	3.11	4.74	0.02
Cobalt	ug/g		1.6	1.5	2.2	0.05
Copper	ug/g		2.7	3.5	4.0	0.05
Iron	ug/g		3720	4000	5550	1
Lead	ug/g		5.05	3.6	4.6	0.3
Lithium	ug/g		1.2	1.8	3.1	0.1
Magnesium	ug/g		610	806	1610	10
Manganese	ug/g		199	84.3	289	0.3
Molybdenum	ug/g		0.1	0.09	0.05	0.1
Nickel	ug/g		2.4	2.8	5.2	0.1
Phosphorus	ug/g		257	385	522	0.5
Potassium	ug/g		120	160	340	5
Selenium	ug/g		<0.2	<0.2	<0.2	0.3
Silicon	ug/g		775	1000	1170	0.3
Silver	ug/g		<0.15	<0.15	<0.15	0.15
Sodium	ug/g		39	44	90.4	1
Strontium	ug/g		8.16	12.4	17.4	0.02
Sulfur	ug/g		22	23	111	1
Thallium	ug/g		<0.2	<0.2	<0.2	0.3
Tin	ug/g		0.5	0.52	<0.2	0.2
Titanium	ug/g		32.3	56.7	70.6	0.05
Uranium	ug/g		6.3	5	6.6	3
Vanadium	ug/g		6.42	7.41	9.17	0.2
Zinc	ug/g		16.4	16.6	28.3	0.1
Zirconium	ug/g		<0.05	<0.05	<0.05	0.05



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Analyte	Units	NWL Number	433207-17	433207-18	433207-19	Detection Limit
		Sample Description	1-V5 / HCL Peroxide Digestion	1-D-1 / HCL Peroxide Digestion	1-D-2 / HCL Peroxide Digestion	
	Matrix		Soil	Soil	Soil	
Metals						
Aluminum	ug/g		2740	3490	2870	1
Antimony	ug/g		<0.5	4.6	<0.5	0.5
Arsenic	ug/g		3.5	182	16.8	0.20
Barium	ug/g		52.9	54.2	32.2	0.02
Beryllium	ug/g		0.10	0.12	0.090	0.02
Bismuth	ug/g		<0.5	0.6	<0.5	0.5
Cadmium	ug/g		0.1	2.6	0.1	0.05
Calcium	ug/g		2460	3360	2210	2
Chromium	ug/g		4.62	5.95	4.88	0.02
Cobalt	ug/g		1.8	2.6	1.5	0.05
Copper	ug/g		9.88	27.7	8.32	0.05
Iron	ug/g		4980	9470	4900	1
Lead	ug/g		5.94	283	13.7	0.3
Lithium	ug/g		2.8	3.8	2.9	0.1
Magnesium	ug/g		1190	1940	1390	10
Manganese	ug/g		100	297	53.8	0.3
Molybdenum	ug/g		0.1	0.06	0.06	0.1
Nickel	ug/g		3.9	4.9	4.6	0.1
Phosphorus	ug/g		892	629	717	0.5
Potassium	ug/g		190	400	310	5
Selenium	ug/g		<0.2	0.3	<0.2	0.3
Silicon	ug/g		1170	1380	1130	0.3
Silver	ug/g		<0.15	<0.15	<0.15	0.15
Sodium	ug/g		55.5	57.5	64.5	1
Strontium	ug/g		14.9	15.6	11.0	0.02
Sulfur	ug/g		36	330	96.8	1
Thallium	ug/g		<0.2	0.2	<0.2	0.3
Tin	ug/g		0.64	0.94	0.59	0.2
Titanium	ug/g		62.7	138	85.3	0.05
Uranium	ug/g		11	7.6	8.6	3
Vanadium	ug/g		9.22	13.4	8.86	0.2
Zinc	ug/g		24.2	400	39.6	0.1
Zirconium	ug/g		<0.05	0.3	<0.05	0.05



Analytical Report

Norwest Labs
#104, 19575-55 A Ave.
Surrey, BC. V3S 8P8
Phone: (604) 514-3322
Fax: (604) 514-3323

Bill to: Environmental Dynamics
Report to: Environmental Dynamics
Suite 206, 4133-4th Avenue
Whitehorse, BC, Canada
Y1A 1H8
Attn: Pat Tobler
Sampled By:
Company:

Project
ID:
Name:
Location:
LSD:
P.O.:
Acct. Code: (Additional)

NWL Lot ID: 433207
Control Number:
Date Received: Dec 30, 2005
Date Reported: Feb 20, 2006
Report Number: 818583

Page: 4 of 5

Approved by:

Bill Warning, B.Sc.
Lab Operations Manager



Methodology and Notes

Norwest Labs
#104, 19575-55 A Ave.
Surrey, BC. V3S 8P8
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Y1A 1H8
Attn: Pat Tobler
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Project ID:
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Location:
LSD:
P.O.:
Acct. Code: (Additional)

NWL Lot ID: 433207
Control Number:
Date Received: Dec 30, 2005
Date Reported: Feb 20, 2006
Report Number: 818583

Page: 5 of 5

Method of Analysis:

MethodName	Reference	Method	Date Analysis Started	Location
Metals in solids	US EPA	Metals & Trace Elements by ICP-AES, 6010B	16-Jan-06	Norwest Labs Surrey

* Norwest method(s) is based on reference method

References:

US EPA US Environmental Protection Agency Test Methods

Comments:

Method deviation: A client specified method was used for the partial extraction of metals from the soil matrix. The sample was dried and sieved to -100mesh. A sub-sample was extracted with 2M HCl-1% H₂O₂ for three hours at 50C with agitation. Deviation approved by Marie England on Dec 31,2005.
Report 818583 is an addendum to report 800368.

QC sample Certified Reference Material NIST Montana soil failed target criteria (low recovery) using client requested digest of 5 mL 2N HCl + 1 mL 1% H₂O₂. [CN 17-Jan-2006]

QC sample for CRM NIST Montana soil failed criteria (low recovery) using client requested digest (5 mL of 2N HCl + 1 mL 1% H₂O₂).

Please direct any inquiries regarding this report to our Client Services group.
Results relate only to samples as submitted

The test report shall not be reproduced except in full, without the written approval of the laboratory



NORWEST LABS

492/20

LOT: []

Control Number []

Environmental Sample Information Sheet

Note: Proper completion of this form is required in order to proceed with analysis Visit www.norwestlabs.com for your nearest Norwest location and proper sampling protocol

Billing Address: Company: Environmental Dynamics Address: 3128 Third Avenue Whitehorse, YT, CAN Y1A 1E7 Attention: Pat Tobler Phone: (867) 393-4882 Fax: (867) 393-4883 Cell: (867) 333-5487 e-mail: ptobler@edynamics.com Report Result: Fax [] Mail [X] Courier [] e-mail [X] e-Service []

Information to be included on Report and Invoice Project ID: 06-YC-0027 Project Name: Project Location: Mt. Nansen Legal Location: PO#: 10334 Proj. Acct. Code: Agreement ID: 64493

RUSH: Please contact the laboratory to confirm rush dates and times before submitting samples. Upon filling out this section, client accepts that surcharges will be attached to this analysis Required on: all analyses or as indicated [] or [] Date Required: Signature: Norwest Authorization:

Sample Custody (Please Print) Sample by: R. KRSKA Company EDI Method: Coolers [] Waybill #: Boxes [] Company Samples [] Rec'd by: Location Log in by: Location BCCSR

Special Instructions / Comments SIEVE USING 100 MESH & COMBINE 3 JARS INTO 2 SAMPLES. ONE SAMPLE FOR STRONG-ACID DIGESTION (AS NORMAL) & ONE SAMPLE FOR PARTIAL DIGESTION (SEE ATTACHED EMAIL)

Number of Containers Sieve 100 Mesh Strong Acid Digestion - ICP Partial Digestion - ICP 05 sed ST33

Table with columns: Lot Ref, Sample Identification, Time, Date Sampled, Matrix, Sampling Method, Enter tests above (relevant samples below). Includes rows 1-15 with sample IDs like 06 V1, 06 P1, 06 B1, etc.

NOTE: All hazardous samples must be labelled according to WHIMIS guidelines. Accredited by the Standards Council of Canada for specific tests. Page 1 of 2

Analysis Note: Dry all sample : Sieve to - 100 Mesh ST33 -> client specified digest.



**NORWEST
LABS**

LOT:

Control Number

Environmental Sample Information Sheet

Note: Proper completion of this form is required in order to proceed with analysis
Visit www.norwestlabs.com for your nearest Norwest location and proper sampling protocol

Billing Address:		Report To:		Copy of invoice:	
Company: Environmental Dynamics Address: 3128 Third Avenue Whitehorse, YT, CAN Y1A 1E7		Company: Environmental Dynamics Address: 3128 Third Avenue Whitehorse, YT, CAN Y1A 1E7			
Attention: Pat Tobler Phone: (867) 393-4882 Fax: (867) 393-4883 Cell: (867) 333-5487 e-mail: ptobler@edynamics.com		Report Result: Fax <input type="checkbox"/> Mail <input checked="" type="checkbox"/> Courier <input type="checkbox"/> e-mail <input checked="" type="checkbox"/> e-Service <input type="checkbox"/>		Report Result: Fax <input type="checkbox"/> Mail <input checked="" type="checkbox"/> Courier <input type="checkbox"/> e-mail <input checked="" type="checkbox"/> e-Service <input type="checkbox"/>	

Information to be included on Report and Invoice Project ID: Project Name: Project Location: Legal Location: PO#: Proj. Acct. Code: Agreement ID: 64493	RUSH: Please contact the laboratory to confirm rush dates and times before submitting samples. Upon filling out this section, client accepts that surcharges will be attached to this analysis Required on: all analyses or as indicated <input type="checkbox"/> or <input type="checkbox"/> Date Required: _____ Signature: _____ Norwest Authorization: _____	Sample Custody (Please Print) Sample by: _____ Company: _____ Method: _____ Waybill #: _____ Company: _____ Rec'd by: _____ Location: _____ Log in by: _____ Location: _____	
		Coolers <input type="checkbox"/>	Boxes <input type="checkbox"/>

Special Instructions / Comments

Lot Ref	Sample Identification	Time	Date Sampled	Matrix	Sampling Method	Number of Containers	Enter tests above (✓ relevant samples below) ☑ indicates a rush analysis													
1	06 05 - (3 JARS)		07/09/06	SOIL		3	✓	✓	✓											
2	06 051 (3 JARS)		07/09/06	↓		3	✓	✓	✓											
3																				
4																				
5																				
6																				
7																				
8																				
9																				
10																				
11																				
12																				
13																				
14																				
15																				

NOTE: All hazardous samples must be labelled according to WHIMIS guidelines.
 Accredited by the Standards Council of Canada for specific tests.



ENVIRONMENTAL DYNAMICS INC

3128 3rd Avenue, Whitehorse, YT, Y1A 1E7

Phone (867) 393-4882 / Fax (867) 393-4883

PURCHASE ORDER

VENDER: Norwest Labs
ADDRESS: 19575 55A Avenue 104
CITY: Surrey
PROVINCE: British Columbia
PHONE: (604) 514.3322
FAX: ()

PURCHASE ORDER: 00010334
DATE: 2006/09/11
EMPLOYEE: Pat Tobler

NOTES:

Item No	Job Number	Description	Qty	Rate	Unit	Total
1	06-YC-0027	Strong Acid Extractable	17.0	\$84.00	each	\$1,428.00
2	06-YC-0027	Partial Digestion (HCl extraction and metals analysis)	17.0	\$100.00	each	\$1,700.00

SIGNATURE



Report Transmission Cover Page

Norwest Labs
#104, 19575-55 A Ave.
Surrey, BC. V3S 8P8
Phone: (604) 514-3322
Fax: (604) 514-3323

Bill to: Environmental Dynamics
Report to: Environmental Dynamics
3128 Third Avenue
Whitehorse, YT, Canada
Y1A 1E7
Attn: Pat Tobler
Sampled By: R.Krska
Company: EDI

Project
ID: 06-YC-0027
Name:
Location: Mt.Nansen
LSD:
P.O.: 10334
Acct. Code:

NWL Lot ID: 492120
Control Number:
Date Received: Sep 12, 2006
Date Reported: Sep 19, 2006
Report Number: 903034

Contact	Company	Address												
Pat Tobler Web Email Notification	Environmental Dynamics	3128 Third Avenue Whitehorse, YT Y1A 1E7 Phone: (867) 393-4882 Email: ptobler@edynamics.com												
		Fax: (867) 393-4883												
<table border="1"> <thead> <tr> <th>Copies</th> <th>Delivery Strategy</th> <th>Format</th> </tr> </thead> <tbody> <tr> <td>1</td> <td>Post</td> <td></td> </tr> <tr> <td>A 1</td> <td>Email - Multiple Reports</td> <td>PDF</td> </tr> <tr> <td>A 1</td> <td>Email - Multiple Reports</td> <td>Standard Crosstab</td> </tr> </tbody> </table>			Copies	Delivery Strategy	Format	1	Post		A 1	Email - Multiple Reports	PDF	A 1	Email - Multiple Reports	Standard Crosstab
Copies	Delivery Strategy	Format												
1	Post													
A 1	Email - Multiple Reports	PDF												
A 1	Email - Multiple Reports	Standard Crosstab												

NOTE: **P** indicates a preliminary report is required
NOTE: **A** indicates report is delivered using automated delivery

_____ # OF PAGES IN THIS TRANSMISSION

Report Transmission Notes

Agreement Notes

Lot Notes

Sample Notes:

Notes to Clients

Lot Notes:

Due to sample matrix, and client request all samples were sieved to -100 Mesh prior to analysis. Metals reported as Strong Acid Extractable were digested according to BCCSR SALM guidelines. All other metals were extracted in dilute HCl/Peroxide as per client supplied method. The method Metals in solids is a non-routine digest method requested by the client. Verification of this method is limited to running Instrument standards in the given matrix for the elements in question. Recovery of any elements has not been determined.

Sample Notes:

Batch Notes:

Method Notes:

Method Result Notes:

Reports associated with this Lot

<u>Id/Format/Reported Date</u>	<u>Id/Format/Reported Date</u>	<u>Id/Format/Reported Date</u>
903034 Env2 3 Smp & DL		

Comment:

See Methodology and Notes page of Analytical Report for all comments pertaining to this report.

If this report transmission is not satisfactory, please send report requirements to the address at the top of this page.



Report Transmission Cover Page

Norwest Labs
#104, 19575-55 A Ave.
Surrey, BC. V3S 8P8
Phone: (604) 514-3322
Fax: (604) 514-3323

Bill to: Environmental Dynamics
Report to: Environmental Dynamics
3128 Third Avenue
Whitehorse, YT, Canada
Y1A 1E7
Attn: Pat Tobler
Sampled By: R.Krska
Company: EDI

Project
ID: 06-YC-0027
Name:
Location: Mt.Nansen
LSD:
P.O.: 10334
Acct. Code:

NWL Lot ID: 492120
Control Number:
Date Received: Sep 12, 2006
Date Reported: Sep 19, 2006
Report Number: 903034

9/18/06 **903034** 18-Sep-2006



Sample Custody

Norwest Labs
#104, 19575-55 A Ave.
Surrey, BC. V3S 8P8
Phone: (604) 514-3322
Fax: (604) 514-3323

Bill to: Environmental Dynamics
Report to: Environmental Dynamics
3128 Third Avenue
Whitehorse, YT, Canada
Y1A 1E7
Attn: Pat Tobler
Sampled By: R.Krska
Company: EDI

Project
ID: 06-YC-0027
Name:
Location: Mt.Nansen
LSD:
P.O.: 10334
Acct. Code:

NWL Lot ID: 492120
Control Number:
Date Received: Sep 12, 2006
Date Reported: Sep 19, 2006
Report Number: 903034

Sample Disposal Date: Oct 19, 2006

All samples will be stored until this date unless other instructions are received. Please indicate other requirements below and return this form to the address or fax number on the upper right of this page.

_____ **Extend Sample Storage Until** _____ (MM/DD/YY)

The following charges apply to extended sample storage:

Storage for 1 to 5 samples per month	\$ 10.00
Storage for 6 to 20 samples per month	\$ 15.00
Storage for 21 to 50 samples per month	\$ 30.00
Storage for 51 to 200 samples per month	\$ 60.00
Storage for more than 200 samples per month	\$ 110.00

_____ **Return Sample, collect, to the address below via:**

- _____ Greyhound
- _____ Loomis
- _____ Purolator
- _____ Other (Specify) _____

Name: _____
Company: _____
Address: _____

Phone: _____
Fax: _____
Signature: _____

If no other arrangements have been made, samples will be disposed of on Oct 19, 2006.



Analytical Report

Norwest Labs
 #104, 19575-55 A Ave.
 Surrey, BC. V3S 8P8
 Phone: (604) 514-3322
 Fax: (604) 514-3323

Bill to: Environmental Dynamics
Report to: Environmental Dynamics
 3128 Third Avenue
 Whitehorse, YT, Canada
 Y1A 1E7
 Attn: Pat Tobler
 Sampled By: R.Krska
 Company: EDI

Project
ID: 06-YC-0027
Name:
Location: Mt.Nansen
LSD:
P.O.: 10334
Acct. Code:

NWL Lot ID: 492120
 Control Number:
 Date Received: Sep 12, 2006
 Date Reported: Sep 19, 2006
 Report Number: 903034

	NWL Number	492120-1	492120-2	492120-3		
	Sample Date	Sep 07, 2006	Sep 07, 2006	Sep 07, 2006		
	Sample Description	06 V1	06 V2	06 V3		
	Matrix	Soil	Soil	Soil		
Analyte	Units	Results	Results	Results	Detection Limit	
Metals Strong Acid Digestion						
Aluminum	Strong Acid Extractable ug/g	5780	5500	6130	1	
Antimony	Strong Acid Extractable ug/g	<0.5	<0.5	<0.5	0.5	
Arsenic	Strong Acid Extractable ug/g	5.0	6.8	8.0	0.2	
Barium	Strong Acid Extractable ug/g	77.3	75.0	85.0	0.03	
Beryllium	Strong Acid Extractable ug/g	0.18	0.16	0.18	0.01	
Bismuth	Strong Acid Extractable ug/g	<0.5	<0.5	<0.5	0.5	
Cadmium	Strong Acid Extractable ug/g	0.1	0.1	0.2	0.05	
Calcium	Strong Acid Extractable ug/g	3320	3720	3780	2	
Chromium	Strong Acid Extractable ug/g	14.7	16.8	17.4	0.04	
Cobalt	Strong Acid Extractable ug/g	3.2	3.2	3.6	0.05	
Copper	Strong Acid Extractable ug/g	9.16	6.36	8.65	0.05	
Iron	Strong Acid Extractable ug/g	19600	23400	22600	1	
Lead	Strong Acid Extractable ug/g	5.4	6.1	7.4	0.3	
Lithium	Strong Acid Extractable ug/g	5.1	4.6	5.4	0.1	
Magnesium	Strong Acid Extractable ug/g	2130	2020	2250	1	
Manganese	Strong Acid Extractable ug/g	168	199	236	0.3	
Mercury	Strong Acid Extractable ug/g	0.010	0.009	0.012	0.003	
Molybdenum	Strong Acid Extractable ug/g	0.5	0.4	0.5	0.05	
Nickel	Strong Acid Extractable ug/g	6.16	5.96	6.51	0.1	
Phosphorus	Strong Acid Extractable ug/g	778	920	879	0.5	
Potassium	Strong Acid Extractable ug/g	340	320	370	5	
Selenium	Strong Acid Extractable ug/g	0.5	0.4	0.4	0.3	
Silicon	Strong Acid Extractable ug/g	378	211	226	1	
Silver	Strong Acid Extractable ug/g	<0.2	<0.2	<0.2	0.2	
Sodium	Strong Acid Extractable ug/g	135	132	143	1	
Strontium	Strong Acid Extractable ug/g	20.5	20.2	22.0	0.02	
Thallium	Strong Acid Extractable ug/g	<0.3	<0.3	<0.3	0.3	
Tin	Strong Acid Extractable ug/g	0.6	0.5	0.4	0.2	
Titanium	Strong Acid Extractable ug/g	301	295	314	0.05	
Vanadium	Strong Acid Extractable ug/g	52.0	64.4	61.6	0.1	
Zinc	Strong Acid Extractable ug/g	32.5	33.2	38.0	0.1	
Zirconium	Strong Acid Extractable ug/g	1.8	1.7	1.9	0.05	
Soil Acidity						
pH	1:2 Soil:Water	pH	6.8	6.7	7.1	0.5
Metals						



Analytical Report

Norwest Labs
 #104, 19575-55 A Ave.
 Surrey, BC. V3S 8P8
 Phone: (604) 514-3322
 Fax: (604) 514-3323

Bill to: Environmental Dynamics
Report to: Environmental Dynamics
 3128 Third Avenue
 Whitehorse, YT, Canada
 Y1A 1E7
 Attn: Pat Tobler
 Sampled By: R.Krska
 Company: EDI

Project
ID: 06-YC-0027
Name:
Location: Mt.Nansen
LSD:
P.O.: 10334
Acct. Code:

NWL Lot ID: 492120
 Control Number:
 Date Received: Sep 12, 2006
 Date Reported: Sep 19, 2006
 Report Number: 903034

	NWL Number	492120-1	492120-2	492120-3	
	Sample Date	Sep 07, 2006	Sep 07, 2006	Sep 07, 2006	
	Sample Description	06 V1	06 V2	06 V3	
	Matrix	Soil	Soil	Soil	
Analyte	Units	Results	Results	Results	Detection Limit
Metals - Continued					
Aluminum	ug/g	1810	1710	1890	1
Antimony	ug/g	<0.5	<0.5	<0.5	0.5
Arsenic	ug/g	2.0	2.7	3.2	0.20
Barium	ug/g	55.1	51.8	55.9	0.02
Beryllium	ug/g	0.075	0.070	0.085	0.02
Bismuth	ug/g	<0.5	<0.5	<0.5	0.5
Cadmium	ug/g	0.1	0.1	0.2	0.05
Calcium	ug/g	2190	2520	2460	2
Chromium	ug/g	3.17	2.50	2.70	0.02
Cobalt	ug/g	1.4	1.4	1.6	0.05
Copper	ug/g	6.51	3.8	5.0	0.05
Digestion		-	-	-	
Iron	ug/g	3170	2930	3460	1
Lead	ug/g	4.4	4.8	4.9	0.3
Lithium	ug/g	1.5	1.4	1.6	0.1
Magnesium	ug/g	671	656	736	10
Manganese	ug/g	77.1	109	137	0.3
Molybdenum	ug/g	0.1	0.1	0.1	0.1
Nickel	ug/g	2.4	2.4	2.5	0.1
Phosphorus	ug/g	739	918	810	0.5
Potassium	ug/g	180	160	170	5
Selenium	ug/g	<0.2	<0.2	<0.2	0.3
Silver	ug/g	<0.1	<0.1	<0.1	0.15
Sodium	ug/g	44	41	44	1
Strontium	ug/g	12.7	12.3	13.3	0.02
Sulfur	ug/g	35	26	30	1
Thallium	ug/g	<0.2	<0.2	<0.2	0.3
Tin	ug/g	0.3	<0.2	<0.2	0.2
Titanium	ug/g	57.0	51.0	52.8	0.05
Uranium	ug/g	5.0	7.0	6.5	3
Vanadium	ug/g	6.68	6.30	7.19	0.2
Zinc	ug/g	17.0	17.1	19.6	0.1
Zirconium	ug/g	<0.05	<0.05	<0.05	0.05



Analytical Report

Norwest Labs
 #104, 19575-55 A Ave.
 Surrey, BC. V3S 8P8
 Phone: (604) 514-3322
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Bill to: Environmental Dynamics
Report to: Environmental Dynamics
 3128 Third Avenue
 Whitehorse, YT, Canada
 Y1A 1E7
 Attn: Pat Tobler
 Sampled By: R.Krska
 Company: EDI

Project
ID: 06-YC-0027
Name:
Location: Mt.Nansen
LSD:
P.O.: 10334
Acct. Code:

NWL Lot ID: 492120
 Control Number:
 Date Received: Sep 12, 2006
 Date Reported: Sep 19, 2006
 Report Number: 903034

Analyte	Units	Results		Results	Detection Limit	
		492120-4	492120-5			
Metals Strong Acid Digestion						
Aluminum	Strong Acid Extractable ug/g	6760	5630	7600	1	
Antimony	Strong Acid Extractable ug/g	<0.5	<0.5	1.0	0.5	
Arsenic	Strong Acid Extractable ug/g	12.8	7.9	21.5	0.2	
Barium	Strong Acid Extractable ug/g	93.3	75.5	85.4	0.03	
Beryllium	Strong Acid Extractable ug/g	0.19	0.15	0.19	0.01	
Bismuth	Strong Acid Extractable ug/g	<0.5	<0.5	<0.5	0.5	
Cadmium	Strong Acid Extractable ug/g	0.2	0.1	0.3	0.05	
Calcium	Strong Acid Extractable ug/g	3920	3560	3560	2	
Chromium	Strong Acid Extractable ug/g	16.5	11.9	10.8	0.04	
Cobalt	Strong Acid Extractable ug/g	3.7	2.8	3.0	0.05	
Copper	Strong Acid Extractable ug/g	9.17	5.62	7.44	0.05	
Iron	Strong Acid Extractable ug/g	20200	14100	14200	1	
Lead	Strong Acid Extractable ug/g	8.8	6.7	12.7	0.3	
Lithium	Strong Acid Extractable ug/g	6.3	5.2	7.1	0.1	
Magnesium	Strong Acid Extractable ug/g	2480	2120	2740	1	
Manganese	Strong Acid Extractable ug/g	288	185	153	0.3	
Mercury	Strong Acid Extractable ug/g	0.014	0.007	0.023	0.003	
Molybdenum	Strong Acid Extractable ug/g	0.51	0.4	0.1	0.05	
Nickel	Strong Acid Extractable ug/g	7.28	5.70	5.97	0.1	
Phosphorus	Strong Acid Extractable ug/g	892	828	774	0.5	
Potassium	Strong Acid Extractable ug/g	440	340	587	5	
Selenium	Strong Acid Extractable ug/g	0.3	<0.3	<0.3	0.3	
Silicon	Strong Acid Extractable ug/g	249	280	274	1	
Silver	Strong Acid Extractable ug/g	<0.2	<0.2	0.2	0.2	
Sodium	Strong Acid Extractable ug/g	154	143	134	1	
Strontium	Strong Acid Extractable ug/g	24.2	20.6	22.1	0.02	
Thallium	Strong Acid Extractable ug/g	<0.3	<0.3	<0.3	0.3	
Tin	Strong Acid Extractable ug/g	0.4	0.3	0.4	0.2	
Titanium	Strong Acid Extractable ug/g	310	271	293	0.05	
Vanadium	Strong Acid Extractable ug/g	51.9	36.5	28.1	0.1	
Zinc	Strong Acid Extractable ug/g	45.6	31.3	69.3	0.1	
Zirconium	Strong Acid Extractable ug/g	2.0	1.6	1.4	0.05	
Soil Acidity						
pH	1:2 Soil:Water	pH	7.0	7.1	6.7	0.5
Metals						



Analytical Report

Norwest Labs
 #104, 19575-55 A Ave.
 Surrey, BC. V3S 8P8
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 3128 Third Avenue
 Whitehorse, YT, Canada
 Y1A 1E7
 Attn: Pat Tobler
 Sampled By: R.Krska
 Company: EDI

Project
ID: 06-YC-0027
Name:
Location: Mt.Nansen
LSD:
P.O.: 10334
Acct. Code:

NWL Lot ID: 492120
 Control Number:
 Date Received: Sep 12, 2006
 Date Reported: Sep 19, 2006
 Report Number: 903034

	NWL Number	492120-4	492120-5	492120-6	
	Sample Date	Sep 07, 2006	Sep 07, 2006	Sep 07, 2006	
	Sample Description	06 V4	06 V5	06 P1	
	Matrix	Soil	Soil	Soil	
Analyte	Units	Results	Results	Results	Detection Limit
Metals - Continued					
Aluminum	ug/g	2160	1780	2870	1
Antimony	ug/g	<0.5	<0.5	<0.5	0.5
Arsenic	ug/g	5.66	3.6	11.1	0.20
Barium	ug/g	68.0	51.6	65.4	0.02
Beryllium	ug/g	0.095	0.085	0.11	0.02
Bismuth	ug/g	<0.5	<0.5	<0.5	0.5
Cadmium	ug/g	0.2	0.1	0.3	0.05
Calcium	ug/g	2560	2400	2760	2
Chromium	ug/g	3.24	2.55	3.35	0.02
Cobalt	ug/g	1.9	1.4	1.8	0.05
Copper	ug/g	5.71	3.4	4.9	0.05
Digestion		-	-	-	
Iron	ug/g	4190	3180	5730	1
Lead	ug/g	6.65	4.5	11.4	0.3
Lithium	ug/g	1.9	1.7	2.7	0.1
Magnesium	ug/g	860	712	1260	10
Manganese	ug/g	189	112	82.8	0.3
Molybdenum	ug/g	0.1	0.1	0.08	0.1
Nickel	ug/g	3.1	2.5	3.0	0.1
Phosphorus	ug/g	770	842	700	0.5
Potassium	ug/g	200	160	300	5
Selenium	ug/g	<0.2	<0.2	<0.2	0.3
Silver	ug/g	<0.1	<0.1	0.2	0.15
Sodium	ug/g	46	44	41	1
Strontium	ug/g	15.1	12.4	14.9	0.02
Sulfur	ug/g	36	21	75.2	1
Thallium	ug/g	<0.2	<0.2	<0.2	0.3
Tin	ug/g	<0.2	<0.2	<0.2	0.2
Titanium	ug/g	53.7	47.3	112	0.05
Uranium	ug/g	5.6	5.8	4	3
Vanadium	ug/g	8.60	6.55	9.62	0.2
Zinc	ug/g	24.8	17.2	45.6	0.1
Zirconium	ug/g	<0.05	<0.05	<0.05	0.05



Analytical Report

Norwest Labs
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 Phone: (604) 514-3322
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Bill to: Environmental Dynamics
Report to: Environmental Dynamics
 3128 Third Avenue
 Whitehorse, YT, Canada
 Y1A 1E7
 Attn: Pat Tobler
 Sampled By: R.Krska
 Company: EDI

Project ID: 06-YC-0027
Name:
Location: Mt.Nansen
LSD:
P.O.: 10334
Acct. Code:

NWL Lot ID: 492120
 Control Number:
 Date Received: Sep 12, 2006
 Date Reported: Sep 19, 2006
 Report Number: 903034

	NWL Number	492120-7	492120-8	492120-9		
	Sample Date	Sep 08, 2006	Sep 08, 2006	Sep 07, 2006		
	Sample Description	06 P2	06 P3	06 B1		
	Matrix	Soil	Soil	Soil		
Analyte	Units	Results	Results	Results	Detection Limit	
Metals Strong Acid Digestion						
Aluminum	Strong Acid Extractable ug/g	7800	7910	6580	1	
Antimony	Strong Acid Extractable ug/g	88.8	91.7	0.8	0.5	
Arsenic	Strong Acid Extractable ug/g	945	1020	40.6	0.2	
Barium	Strong Acid Extractable ug/g	137	150	141	0.03	
Beryllium	Strong Acid Extractable ug/g	0.30	0.30	0.25	0.01	
Bismuth	Strong Acid Extractable ug/g	5.1	13.5	<0.5	0.5	
Cadmium	Strong Acid Extractable ug/g	5.20	22.8	0.85	0.05	
Calcium	Strong Acid Extractable ug/g	4260	5400	3590	2	
Chromium	Strong Acid Extractable ug/g	13.0	10.4	14.3	0.04	
Cobalt	Strong Acid Extractable ug/g	5.56	7.35	5.19	0.05	
Copper	Strong Acid Extractable ug/g	95.0	214	14.0	0.05	
Iron	Strong Acid Extractable ug/g	28700	55600	19800	1	
Lead	Strong Acid Extractable ug/g	345	409	31.8	0.3	
Lithium	Strong Acid Extractable ug/g	6.6	7.0	5.5	0.1	
Magnesium	Strong Acid Extractable ug/g	2790	2370	2500	1	
Manganese	Strong Acid Extractable ug/g	892	1800	676	0.3	
Mercury	Strong Acid Extractable ug/g	0.079	0.136	0.013	0.003	
Molybdenum	Strong Acid Extractable ug/g	0.4	<0.05	1.0	0.05	
Nickel	Strong Acid Extractable ug/g	8.18	7.99	7.49	0.1	
Phosphorus	Strong Acid Extractable ug/g	748	708	892	0.5	
Potassium	Strong Acid Extractable ug/g	986	698	611	5	
Selenium	Strong Acid Extractable ug/g	<0.3	<0.3	<0.3	0.3	
Silicon	Strong Acid Extractable ug/g	513	356	353	1	
Silver	Strong Acid Extractable ug/g	9.5	12.7	0.2	0.2	
Sodium	Strong Acid Extractable ug/g	167	150	148	1	
Strontium	Strong Acid Extractable ug/g	41.9	60.2	22.2	0.02	
Thallium	Strong Acid Extractable ug/g	<0.3	2.0	<0.3	0.3	
Tin	Strong Acid Extractable ug/g	0.6	0.8	0.5	0.2	
Titanium	Strong Acid Extractable ug/g	239	176	256	0.05	
Vanadium	Strong Acid Extractable ug/g	33.0	29.1	46.0	0.1	
Zinc	Strong Acid Extractable ug/g	582	948	84.3	0.1	
Zirconium	Strong Acid Extractable ug/g	2.1	2.9	3.2	0.05	
Soil Acidity						
pH	1:2 Soil:Water	pH	7.0	7.3	7.3	0.5
Metals						



Analytical Report

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Bill to: Environmental Dynamics
Report to: Environmental Dynamics
 3128 Third Avenue
 Whitehorse, YT, Canada
 Y1A 1E7
 Attn: Pat Tobler
 Sampled By: R.Krska
 Company: EDI

Project
ID: 06-YC-0027
Name:
Location: Mt.Nansen
LSD:
P.O.: 10334
Acct. Code:

NWL Lot ID: 492120
Control Number:
Date Received: Sep 12, 2006
Date Reported: Sep 19, 2006
Report Number: 903034

	NWL Number	492120-7	492120-8	492120-9	
	Sample Date	Sep 08, 2006	Sep 08, 2006	Sep 07, 2006	
	Sample Description	06 P2	06 P3	06 B1	
	Matrix	Soil	Soil	Soil	
Analyte	Units	Results	Results	Results	Detection Limit
Metals - Continued					
Aluminum	ug/g	2650	2610	2110	1
Antimony	ug/g	3.4	1.7	<0.5	0.5
Arsenic	ug/g	350	454	10.8	0.20
Barium	ug/g	85.4	136	102	0.02
Beryllium	ug/g	0.16	0.20	0.11	0.02
Bismuth	ug/g	1.9	4.3	<0.5	0.5
Cadmium	ug/g	4.4	16.2	0.83	0.05
Calcium	ug/g	3400	4700	2770	2
Chromium	ug/g	3.37	2.66	3.22	0.02
Cobalt	ug/g	3.3	4.6	3.2	0.05
Copper	ug/g	50.9	139	6.34	0.05
Digestion		-	-	-	
Iron	ug/g	9450	33900	3850	1
Lead	ug/g	182	188	23.5	0.3
Lithium	ug/g	1.8	1.8	1.9	0.1
Magnesium	ug/g	1100	866	1170	10
Manganese	ug/g	789	1710	604	0.3
Molybdenum	ug/g	<0.05	<0.05	0.2	0.1
Nickel	ug/g	3.8	4.3	3.5	0.1
Phosphorus	ug/g	593	501	822	0.5
Potassium	ug/g	270	140	250	5
Selenium	ug/g	<0.25	<0.25	<0.25	0.3
Silver	ug/g	5.68	8.92	0.2	0.15
Sodium	ug/g	50.1	41	44	1
Strontium	ug/g	25.8	48.6	13.4	0.02
Sulfur	ug/g	319	462	22	1
Thallium	ug/g	<0.25	2.1	<0.25	0.3
Tin	ug/g	<0.2	0.4	<0.2	0.2
Titanium	ug/g	47.4	21.6	48.4	0.05
Uranium	ug/g	7.7	25	7.0	3
Vanadium	ug/g	10.1	12.8	8.93	0.2
Zinc	ug/g	352	756	42.1	0.1
Zirconium	ug/g	0.1	1.1	<0.05	0.05



Analytical Report

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Bill to: Environmental Dynamics
Report to: Environmental Dynamics
 3128 Third Avenue
 Whitehorse, YT, Canada
 Y1A 1E7
 Attn: Pat Tobler
 Sampled By: R.Krska
 Company: EDI

Project
ID: 06-YC-0027
Name:
Location: Mt.Nansen
LSD:
P.O.: 10334
Acct. Code:

NWL Lot ID: 492120
 Control Number:
 Date Received: Sep 12, 2006
 Date Reported: Sep 19, 2006
 Report Number: 903034

		NWL Number	492120-10	492120-11	492120-12	
		Sample Date	Sep 07, 2006	Sep 07, 2006	Sep 08, 2006	
		Sample Description	06 B11	06 B2	06 D1	
		Matrix	Soil	Soil	Soil	
Analyte	Units	Results	Results	Results	Detection Limit	
Metals Strong Acid Digestion						
Aluminum	Strong Acid Extractable	ug/g	6700	6570	6440	1
Antimony	Strong Acid Extractable	ug/g	0.8	0.9	99.6	0.5
Arsenic	Strong Acid Extractable	ug/g	41.3	34.3	2500	0.2
Barium	Strong Acid Extractable	ug/g	150	124	97.0	0.03
Beryllium	Strong Acid Extractable	ug/g	0.26	0.30	0.21	0.01
Bismuth	Strong Acid Extractable	ug/g	<0.5	<0.5	1.8	0.5
Cadmium	Strong Acid Extractable	ug/g	0.87	0.72	48.0	0.05
Calcium	Strong Acid Extractable	ug/g	3860	4000	6290	2
Chromium	Strong Acid Extractable	ug/g	15.4	16.1	11.2	0.04
Cobalt	Strong Acid Extractable	ug/g	5.29	4.5	9.30	0.05
Copper	Strong Acid Extractable	ug/g	14.5	13.5	157	0.05
Iron	Strong Acid Extractable	ug/g	21100	20700	51900	1
Lead	Strong Acid Extractable	ug/g	32.8	28.0	507	0.3
Lithium	Strong Acid Extractable	ug/g	5.5	5.5	6.5	0.1
Magnesium	Strong Acid Extractable	ug/g	2500	2460	2800	1
Manganese	Strong Acid Extractable	ug/g	674	523	713	0.3
Mercury	Strong Acid Extractable	ug/g	0.019	0.012	0.207	0.003
Molybdenum	Strong Acid Extractable	ug/g	1.0	0.76	0.96	0.05
Nickel	Strong Acid Extractable	ug/g	8.00	7.29	9.84	0.1
Phosphorus	Strong Acid Extractable	ug/g	984	990	915	0.5
Potassium	Strong Acid Extractable	ug/g	613	527	855	5
Selenium	Strong Acid Extractable	ug/g	<0.3	<0.3	<0.3	0.3
Silicon	Strong Acid Extractable	ug/g	439	314	319	1
Silver	Strong Acid Extractable	ug/g	0.2	0.2	8.6	0.2
Sodium	Strong Acid Extractable	ug/g	156	161	146	1
Strontium	Strong Acid Extractable	ug/g	23.5	23.7	34.2	0.02
Thallium	Strong Acid Extractable	ug/g	<0.3	<0.3	5.5	0.3
Tin	Strong Acid Extractable	ug/g	0.4	0.7	1.3	0.2
Titanium	Strong Acid Extractable	ug/g	265	284	243	0.05
Vanadium	Strong Acid Extractable	ug/g	49.9	52.0	35.1	0.1
Zinc	Strong Acid Extractable	ug/g	85.9	82.1	2030	0.1
Zirconium	Strong Acid Extractable	ug/g	3.2	2.7	3.0	0.05
Soil Acidity						
pH	1:2 Soil:Water	pH	7.2	7.2	7.7	0.5
Metals						



Analytical Report

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Bill to: Environmental Dynamics
Report to: Environmental Dynamics
 3128 Third Avenue
 Whitehorse, YT, Canada
 Y1A 1E7
 Attn: Pat Tobler
 Sampled By: R.Krska
 Company: EDI

Project
ID: 06-YC-0027
Name:
Location: Mt.Nansen
LSD:
P.O.: 10334
Acct. Code:

NWL Lot ID: 492120
 Control Number:
 Date Received: Sep 12, 2006
 Date Reported: Sep 19, 2006
 Report Number: 903034

	NWL Number	492120-10	492120-11	492120-12	
	Sample Date	Sep 07, 2006	Sep 07, 2006	Sep 08, 2006	
	Sample Description	06 B11	06 B2	06 D1	
	Matrix	Soil	Soil	Soil	
Analyte	Units	Results	Results	Results	Detection Limit
Metals - Continued					
Aluminum	ug/g	2080	2050	1980	1
Antimony	ug/g	<0.5	<0.5	13.4	0.5
Arsenic	ug/g	10.9	11.0	506	0.20
Barium	ug/g	99.8	78.5	63.9	0.02
Beryllium	ug/g	0.11	0.10	0.12	0.02
Bismuth	ug/g	1.6	<0.5	<0.5	0.5
Cadmium	ug/g	0.81	0.66	13.7	0.05
Calcium	ug/g	2890	2860	5520	2
Chromium	ug/g	3.49	3.23	2.96	0.02
Cobalt	ug/g	3.1	2.5	6.08	0.05
Copper	ug/g	6.37	7.29	123	0.05
Digestion		-	-	-	
Iron	ug/g	3770	3790	34800	1
Lead	ug/g	23.4	19.0	447	0.3
Lithium	ug/g	1.9	1.9	1.5	0.1
Magnesium	ug/g	1140	1060	1220	10
Manganese	ug/g	579	428	2170	0.3
Molybdenum	ug/g	0.2	0.2	0.2	0.1
Nickel	ug/g	3.5	3.2	5.1	0.1
Phosphorus	ug/g	883	887	754	0.5
Potassium	ug/g	240	220	220	5
Selenium	ug/g	<0.25	<0.25	<0.25	0.3
Silver	ug/g	<0.1	0.2	13.3	0.15
Sodium	ug/g	45	45	32	1
Strontium	ug/g	13.6	13.9	25.3	0.02
Sulfur	ug/g	21	28	398	1
Thallium	ug/g	<0.25	<0.25	<0.2	0.3
Tin	ug/g	<0.2	<0.2	0.2	0.2
Titanium	ug/g	46.0	51.1	42.9	0.05
Uranium	ug/g	6.4	7.3	15	3
Vanadium	ug/g	8.78	7.94	11.7	0.2
Zinc	ug/g	41.4	44.5	1700	0.1
Zirconium	ug/g	<0.05	<0.05	0.3	0.05



Analytical Report

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Bill to: Environmental Dynamics
Report to: Environmental Dynamics
 3128 Third Avenue
 Whitehorse, YT, Canada
 Y1A 1E7
 Attn: Pat Tobler
 Sampled By: R.Krska
 Company: EDI

Project
ID: 06-YC-0027
Name:
Location: Mt.Nansen
LSD:
P.O.: 10334
Acct. Code:

NWL Lot ID: 492120
 Control Number:
 Date Received: Sep 12, 2006
 Date Reported: Sep 19, 2006
 Report Number: 903034

	NWL Number	492120-13	492120-14	492120-15		
	Sample Date	Sep 08, 2006	Sep 08, 2006	Sep 08, 2006		
	Sample Description	06 D2	06 D3	06 D4		
	Matrix	Soil	Soil	Soil		
Analyte	Units	Results	Results	Results	Detection Limit	
Metals Strong Acid Digestion						
Aluminum	Strong Acid Extractable	ug/g	6240	7080	5920	1
Antimony	Strong Acid Extractable	ug/g	1.0	0.6	<0.5	0.5
Arsenic	Strong Acid Extractable	ug/g	153	61.7	128	0.2
Barium	Strong Acid Extractable	ug/g	53.0	69.5	74.2	0.03
Beryllium	Strong Acid Extractable	ug/g	0.14	0.20	0.18	0.01
Bismuth	Strong Acid Extractable	ug/g	<0.5	<0.5	<0.5	0.5
Cadmium	Strong Acid Extractable	ug/g	<0.05	0.2	<0.05	0.05
Calcium	Strong Acid Extractable	ug/g	3880	4690	3610	2
Chromium	Strong Acid Extractable	ug/g	9.88	14.4	16.4	0.04
Cobalt	Strong Acid Extractable	ug/g	2.6	3.2	3.8	0.05
Copper	Strong Acid Extractable	ug/g	5.43	8.08	12.0	0.05
Iron	Strong Acid Extractable	ug/g	14400	18000	22100	1
Lead	Strong Acid Extractable	ug/g	7.2	8.6	5.8	0.3
Lithium	Strong Acid Extractable	ug/g	5.9	6.4	5.1	0.1
Magnesium	Strong Acid Extractable	ug/g	2360	2980	2560	1
Manganese	Strong Acid Extractable	ug/g	140	184	182	0.3
Mercury	Strong Acid Extractable	ug/g	0.013	0.012	0.005	0.003
Molybdenum	Strong Acid Extractable	ug/g	0.2	0.4	0.4	0.05
Nickel	Strong Acid Extractable	ug/g	6.05	8.66	9.66	0.1
Phosphorus	Strong Acid Extractable	ug/g	740	761	792	0.5
Potassium	Strong Acid Extractable	ug/g	420	535	570	5
Selenium	Strong Acid Extractable	ug/g	<0.3	0.3	<0.3	0.3
Silicon	Strong Acid Extractable	ug/g	307	368	198	1
Silver	Strong Acid Extractable	ug/g	0.2	<0.2	<0.2	0.2
Sodium	Strong Acid Extractable	ug/g	163	172	195	1
Strontium	Strong Acid Extractable	ug/g	19.3	22.2	18.6	0.02
Thallium	Strong Acid Extractable	ug/g	<0.3	<0.3	<0.3	0.3
Tin	Strong Acid Extractable	ug/g	0.3	0.3	0.3	0.2
Titanium	Strong Acid Extractable	ug/g	255	306	252	0.05
Vanadium	Strong Acid Extractable	ug/g	22.6	38.2	47.2	0.1
Zinc	Strong Acid Extractable	ug/g	64.1	52.8	37.7	0.1
Zirconium	Strong Acid Extractable	ug/g	1.6	2.0	2.1	0.05
Soil Acidity						
pH	1:2 Soil:Water	pH	6.8	6.1	6.6	0.5
Metals						



Analytical Report

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 Whitehorse, YT, Canada
 Y1A 1E7
 Attn: Pat Tobler
 Sampled By: R.Krska
 Company: EDI

Project
ID: 06-YC-0027
Name:
Location: Mt.Nansen
LSD:
P.O.: 10334
Acct. Code:

NWL Lot ID: 492120
Control Number:
Date Received: Sep 12, 2006
Date Reported: Sep 19, 2006
Report Number: 903034

	NWL Number	492120-13	492120-14	492120-15	
	Sample Date	Sep 08, 2006	Sep 08, 2006	Sep 08, 2006	
	Sample Description	06 D2	06 D3	06 D4	
	Matrix	Soil	Soil	Soil	
Analyte	Units	Results	Results	Results	Detection Limit
Metals - Continued					
Aluminum	ug/g	1980	2260	1760	1
Antimony	ug/g	<0.5	<0.5	<0.5	0.5
Arsenic	ug/g	124	32.6	101	0.20
Barium	ug/g	28.6	47.3	45.0	0.02
Beryllium	ug/g	0.065	0.10	0.080	0.02
Bismuth	ug/g	<0.5	<0.5	<0.5	0.5
Cadmium	ug/g	<0.05	0.1	<0.05	0.05
Calcium	ug/g	2640	3620	2210	2
Chromium	ug/g	2.75	3.73	2.95	0.02
Cobalt	ug/g	1.6	1.6	1.7	0.05
Copper	ug/g	4.2	6.84	8.21	0.05
Digestion		-	-	-	
Iron	ug/g	7590	7120	6430	1
Lead	ug/g	5.17	6.94	4.1	0.3
Lithium	ug/g	1.7	1.7	1.5	0.1
Magnesium	ug/g	819	995	771	10
Manganese	ug/g	73.8	101	90.4	0.3
Molybdenum	ug/g	0.06	0.09	0.05	0.1
Nickel	ug/g	2.9	4.0	4.0	0.1
Phosphorus	ug/g	703	750	700	0.5
Potassium	ug/g	190	220	270	5
Selenium	ug/g	<0.2	<0.2	<0.2	0.3
Silver	ug/g	<0.1	<0.1	<0.1	0.15
Sodium	ug/g	46	53.7	70.3	1
Strontium	ug/g	10.2	12.9	8.71	0.02
Sulfur	ug/g	185	118	152	1
Thallium	ug/g	<0.2	<0.2	<0.2	0.3
Tin	ug/g	<0.2	<0.2	<0.2	0.2
Titanium	ug/g	66.6	67.6	44.2	0.05
Uranium	ug/g	4	5.1	3	3
Vanadium	ug/g	7.41	11.9	6.09	0.2
Zinc	ug/g	49.4	25.8	18.0	0.1
Zirconium	ug/g	<0.05	<0.05	<0.05	0.05



Analytical Report

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 Attn: Pat Tobler
 Sampled By: R.Krska
 Company: EDI

Project
ID: 06-YC-0027
Name:
Location: Mt.Nansen
LSD:
P.O.: 10334
Acct. Code:

NWL Lot ID: 492120
 Control Number:
 Date Received: Sep 12, 2006
 Date Reported: Sep 19, 2006
 Report Number: 903034

Analyte	Units	Results		Detection Limit	
		492120-16	492120-17		
Metals Strong Acid Digestion					
Aluminum	Strong Acid Extractable ug/g	6520	6780	1	
Antimony	Strong Acid Extractable ug/g	2.9	2.8	0.5	
Arsenic	Strong Acid Extractable ug/g	74.8	86.4	0.2	
Barium	Strong Acid Extractable ug/g	59.2	53.0	0.03	
Beryllium	Strong Acid Extractable ug/g	0.16	0.18	0.01	
Bismuth	Strong Acid Extractable ug/g	<0.5	<0.5	0.5	
Cadmium	Strong Acid Extractable ug/g	0.3	0.3	0.05	
Calcium	Strong Acid Extractable ug/g	3950	4470	2	
Chromium	Strong Acid Extractable ug/g	12.2	13.5	0.04	
Cobalt	Strong Acid Extractable ug/g	3.3	3.5	0.05	
Copper	Strong Acid Extractable ug/g	8.84	9.01	0.05	
Iron	Strong Acid Extractable ug/g	14000	15400	1	
Lead	Strong Acid Extractable ug/g	15.9	17.0	0.3	
Lithium	Strong Acid Extractable ug/g	6.0	6.1	0.1	
Magnesium	Strong Acid Extractable ug/g	2890	3010	1	
Manganese	Strong Acid Extractable ug/g	192	203	0.3	
Mercury	Strong Acid Extractable ug/g	0.008	0.009	0.003	
Molybdenum	Strong Acid Extractable ug/g	0.2	0.2	0.05	
Nickel	Strong Acid Extractable ug/g	8.29	8.54	0.1	
Phosphorus	Strong Acid Extractable ug/g	576	693	0.5	
Potassium	Strong Acid Extractable ug/g	538	535	5	
Selenium	Strong Acid Extractable ug/g	0.2	<0.3	0.3	
Silicon	Strong Acid Extractable ug/g	267	240	1	
Silver	Strong Acid Extractable ug/g	0.3	0.6	0.2	
Sodium	Strong Acid Extractable ug/g	190	196	1	
Strontium	Strong Acid Extractable ug/g	20.7	22.6	0.02	
Thallium	Strong Acid Extractable ug/g	<0.3	<0.3	0.3	
Tin	Strong Acid Extractable ug/g	0.4	0.3	0.2	
Titanium	Strong Acid Extractable ug/g	291	292	0.05	
Vanadium	Strong Acid Extractable ug/g	28.7	32.9	0.1	
Zinc	Strong Acid Extractable ug/g	69.5	74.0	0.1	
Zirconium	Strong Acid Extractable ug/g	2.0	1.9	0.05	
Soil Acidity					
pH	1:2 Soil:Water	pH	6.8	7.0	0.5
Metals					



Analytical Report

Norwest Labs
 #104, 19575-55 A Ave.
 Surrey, BC. V3S 8P8
 Phone: (604) 514-3322
 Fax: (604) 514-3323

Bill to: Environmental Dynamics
Report to: Environmental Dynamics
 3128 Third Avenue
 Whitehorse, YT, Canada
 Y1A 1E7
 Attn: Pat Tobler
 Sampled By: R.Krska
 Company: EDI

Project
ID: 06-YC-0027
Name:
Location: Mt.Nansen
LSD:
P.O.: 10334
Acct. Code:

NWL Lot ID: 492120
 Control Number:
 Date Received: Sep 12, 2006
 Date Reported: Sep 19, 2006
 Report Number: 903034

NWL Number	492120-16	492120-17
Sample Date	Sep 07, 2006	Sep 07, 2006
Sample Description	06 D5	06 D51
Matrix	Soil	Soil

Analyte	Units	Results	Results	Results	Detection Limit
Metals - Continued					
Aluminum	ug/g	2120	2100		1
Antimony	ug/g	<0.5	<0.5		0.5
Arsenic	ug/g	51.9	53.5		0.20
Barium	ug/g	36.1	35.8		0.02
Beryllium	ug/g	0.080	0.080		0.02
Bismuth	ug/g	<0.5	<0.5		0.5
Cadmium	ug/g	0.2	0.2		0.05
Calcium	ug/g	2900	3100		2
Chromium	ug/g	3.30	3.29		0.02
Cobalt	ug/g	1.9	1.9		0.05
Copper	ug/g	6.14	6.18		0.05
Digestion		-	-		
Iron	ug/g	5210	5180		1
Lead	ug/g	13.1	13.9		0.3
Lithium	ug/g	1.8	1.7		0.1
Magnesium	ug/g	1010	1010		10
Manganese	ug/g	122	122		0.3
Molybdenum	ug/g	0.07	<0.05		0.1
Nickel	ug/g	4.0	3.9		0.1
Phosphorus	ug/g	571	643		0.5
Potassium	ug/g	260	240		5
Selenium	ug/g	<0.2	<0.2		0.3
Silver	ug/g	0.2	0.2		0.15
Sodium	ug/g	69.8	68.2		1
Strontium	ug/g	11.2	11.5		0.02
Sulfur	ug/g	83.2	74.5		1
Thallium	ug/g	<0.2	<0.2		0.3
Tin	ug/g	<0.2	<0.2		0.2
Titanium	ug/g	62.1	59.3		0.05
Uranium	ug/g	4	4		3
Vanadium	ug/g	7.80	7.73		0.2
Zinc	ug/g	44.6	45.7		0.1
Zirconium	ug/g	<0.05	<0.05		0.05



Analytical Report

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Bill to: Environmental Dynamics
Report to: Environmental Dynamics
3128 Third Avenue
Whitehorse, YT, Canada
Y1A 1E7
Attn: Pat Tobler
Sampled By: R.Krska
Company: EDI

Project
ID: 06-YC-0027
Name:
Location: Mt.Nansen
LSD:
P.O.: 10334
Acct. Code:

NWL Lot ID: 492120
Control Number:
Date Received: Sep 12, 2006
Date Reported: Sep 19, 2006
Report Number: 903034

Page: 13 of 14

Approved by:

A handwritten signature in black ink, appearing to read "Walter Brandl".

Walter Brandl
Operations Manager - Surrey



Methodology and Notes

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Method of Analysis:

MethodName	Reference	Method	Date Analysis Started	Location
Metals (Strong Acid Leachable) in soils	B.C.M.O.E	* Strong Acid Leachable Metals (SALM) in Soil, V 1.0, SALM	15-Sep-06	Norwest Labs Surrey
Metals in solids	US EPA	* Acid Digestion of sediment, Sludges and Soils, 3050B	15-Sep-06	Norwest Labs Surrey
Metals in solids	US EPA	* Metals & Trace Elements by ICP-AES, 6010B	15-Sep-06	Norwest Labs Surrey
pH and EC in Soil - 1:2 (Surrey)	McKeague	* 1:2 Soil:Water Ratio, 4.12	15-Sep-06	Norwest Labs Surrey

* Norwest method(s) is based on reference method

References:

McKeague Manual on Soil Sampling and Methods of Analysis
B.C.M.O.E B.C. Ministry of Environment
US EPA US Environmental Protection Agency Test Methods

Comments:

Due to sample matrix, and client request all samples were sieved to -100 Mesh prior to analysis.
Metals reported as Strong Acid Extractable were digested according to BCCSR SALM guidelines. All other metals were extracted in dilute HCl/Peroxide as per client supplied method.
The method Metals in solids is a non-routine digest method requested by the client. Verification of this method is limited to running Instrument standards in the given matrix for the elements in question. Recovery of any elements has not been determined.

Please direct any inquiries regarding this report to our Client Services group.
Results relate only to samples as submitted

The test report shall not be reproduced except in full, without the written approval of the laboratory