



# Chemex Labs Ltd.

Analytical Chemists \* Geochemists \* Registered Assayers  
212 Brooksbank Ave., North Vancouver  
British Columbia, Canada V7J 2C1  
PHONE: 604-984-0221

To: GEOLOGICAL SURVEY OF CANADA  
VANCOUVER OFFICE  
100 WEST PENDER STREET, 4TH FLOOR  
VANCOUVER B.C.  
V6B 1R8

675654  
Ajax 1992,  
1991

A9118223

Comments: ATTN: KENNETH M. DAWSON CC: KIKA ROLL

<b>CERTIFICATE</b>	<b>A9118223</b>
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GEOLOGICAL SURVEY OF CANADA

Project: 740098  
P.O.#:

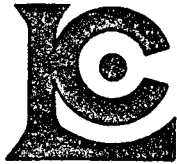
Samples submitted to our lab in Vancouver, BC.  
This report was printed on 29-JUL-91.

SAMPLE PREPARATION		
CHEMEX CODE	NUMBER SAMPLES	DESCRIPTION
248	9	Geochem Zr ring approx 150 mesh
294	9	Crush and split (0-10 pounds)
200	9	Whole rock fusion

\* NOTE 1:

Code 1000 is used for repeat gold analyses  
It shows typical sample variability due to  
coarse gold effects. Each value is  
correct for its particular subsample.

ANALYTICAL PROCEDURES					
CHEMEX CODE	NUMBER SAMPLES	DESCRIPTION	METHOD	DETECTION LIMIT	UPPER LIMIT
594	9	Al2O3 %: Whole rock	ICP-AES	0.01	99.99
542	9	BaO %: Whole rock	ICP-AES	0.01	99.99
588	9	CaO %: Whole rock	ICP-AES	0.01	99.99
586	9	Fe2O3 (total) %: Whole rock	ICP-AES	0.01	99.99
821	9	K2O %: Whole rock	ICP-AES	0.01	99.99
593	9	MgO %: Whole rock	ICP-AES	0.01	99.99
596	9	MnO %: Whole rock	ICP-AES	0.01	99.99
599	9	Na2O %: Whole rock	ICP-AES	0.01	99.99
597	9	P2O5 %: Whole rock	ICP-AES	0.01	99.99
592	9	SiO2 %: Whole rock	ICP-AES	0.01	99.99
595	9	TiO2 %: Whole rock	ICP-AES	0.01	99.99
475	9	L.O.I. %: Loss on ignition	FURNACE	0.01	99.99
540	9	Total %	CALCULATION	0.01	N/A
368	9	CO2 %: Inorganic	LECO-GASOMETRIC	0.2	100.0
380	9	S %: Leco induction furnace	LECO-IR DETECTOR	0.001	100.0
451	9	FeO %: Acid decomposition	TITRATION	0.01	100.0



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Page Number : 1  
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 Certificate Date: 29-JUL-91  
 Invoice No. : 19118223  
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## CERTIFICATE OF ANALYSIS A9118223

SAMPLE DESCRIPTION	PREP CODE		Al2O3	BaO	CaO	Fe2O3	K2O	MgO	MnO	Na2O	P2O5	SiO2	TiO2	LOI	TOTAL	CO2 %	S %	FeO
			%	%	%	%	%	%	%	%	%	%	%	%	%	inorg (Leco)	%	%
DY 3463	248	294	15.10	0.04	6.90	6.88	1.54	6.91	0.10	4.28	0.41	52.97	1.19	4.33	100.65	1.9	0.034	4.35
DY 3474	248	294	18.21	0.05	7.10	7.00	0.87	3.21	0.07	6.08	0.26	55.33	0.63	2.25	101.05	1.0	0.031	3.07
DY 3475	248	294	14.02	0.12	8.37	9.63	1.24	8.78	0.13	3.04	0.27	49.48	0.69	3.63	99.40	0.6	0.234	5.93
DY 90101	248	294	5.93	0.05	5.70	9.18	1.00	27.51	0.13	0.25	0.10	42.00	0.25	5.94	98.04	0.3	0.052	4.24
DY 90102	248	294	7.92	0.02	7.97	9.60	0.55	21.98	0.16	0.62	0.14	44.59	0.48	4.89	98.93	0.6	0.044	6.24
DY 90103	248	294	17.90	0.36	5.57	10.29	4.84	4.78	0.04	2.12	0.34	48.48	0.67	3.99	99.39	< 0.2	1.160	4.65
DY 90106	248	294	13.80	0.23	8.45	10.03	2.40	7.63	0.16	2.49	0.30	50.81	0.76	2.02	99.08	0.9	0.081	5.12
DY 90107	248	294	17.65	0.23	5.26	7.01	3.80	2.61	0.03	4.60	0.33	56.07	0.51	2.82	100.95	1.1	0.043	2.96
DY 90108	248	294	17.57	0.10	9.35	9.88	1.73	6.44	0.14	3.04	0.37	46.53	0.79	3.71	99.64	0.5	0.183	4.82
DY 3463			quartz-eye late dyke / 860 / 12.5 + 39m															
DY 3474			sugarloaf diorite / DDH 90-11 / 133m															
DY 3475			pyroxene gabbro / DDH 90-11 / 161m															
90101			picrite from DDH 90-11 / 18.0m															
90102			mafic dyke? or picrite DDH 90/11 / <del>82.0m</del> 25.0m															
90103			Kspar dyke DDH 90-11 / 82.0m															
90106			pyroxene gabbro / 880 / 11.0 - 213m															
90107			Cherry Creek (?) monzonite dyke / 880 level / 12.5 + 19m															
90108			Hybrid diorite (?) relatively fresh (?) 880 level / 12.5 + 173.9m															

CERTIFICATION: \_\_\_\_\_

*B. Coughlin*



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CERTIFICATION:

*B. Coughlin*



17 Aug '92

Hi Ken

Many thanks for all the samples - they look just fine. I've checked a few and they are all Artemesia frigida - a northern species of sagebrush. The more common Artemesia tridentata (big sagebrush) reaches its northern extremity of growth tolerance just to the north of Kamloops. I don't (yet) have any data on 'frigida' so it will be interesting to see its metal content.

So far this year I have 18 projects on the go, so I can't promise rapid turn-around of results. Rest assured that I'll be sending you the data as soon as they are available (toward the end of the year).

As you see - your fibre case has been duly returned to TFSS.

Best wishes

Atmosphere Frigida (dry Assine)

N

4+00

GRAPHIC CONTROLS CANADA  
BANQUOCHE, QUÉBEC, MADE IN CANADA

3+00

①

270N \* X

320N \* X ⑥

270N \* X ⑤

240N \* X ④

210N \* X ③

405N \* X ⑬

375N \* X ⑫

345N \* X ⑪

315N \* X ⑩

285N \* X ⑨

255N \* X ⑧

2+00

GRF 65D SQUARE 10 X 10 TO THE INCH  
SPECIFY TRACING OR DRAWING PAPER

180N \* X ②

180N \* X ⑦

210N \* X ⑰

180N \* X ⑱

150N \* X ⑰

120N \* X ⑯

90N \* X ⑮

60N \* X ⑭

0+00

2+00E

3+00

4+00

5+00

Na (ppm)

Artemesia frigida (dry tissue)

N

4000

\* 68

\* 89

\* 145

\* 84

3000

\* 106

\* 86

\* 54

\* 128

\* 180

\* 60

\* 148

\* 69

2000

\* 81

\* 157

\* 126

\* 136

\* 84

1000

\* 71

\* 83

0.100

200E

300

400

500

GRAPHIC CONTROLS CANADA  
GRAPHIQUE, ONTARIO, MADE IN CANADA

GRF G5D SQUARE 10 X 10 TO THE INCH  
SPECIFY TRACING OR DRAWING PAPER

KANLOOPS

AZ 92/33M

Sb (ppb)

Antemoria frigida (dry tissue)

N

4000

\* 21

\* 24

\* 30

\* 20

3000

\* 19

\* 20

\* 16

\* 26

\* 38

\* 11

\* 27

\* 14

2000

\* 14

\* 39

\* 19

\* 21

\* < 5

1000

\* 16

\* 21

0000

200E

3000

4000

5000

GRAPHIC CONTROLS CANADA  
GRANDPOND, ONTARIO MADE IN CANADA

GRF 65D SQUARE 10 X 10 TO THE INCH  
SPECIFY TRACING OR DRAWING PAPER

Kumloops

AZ 92/33M

As (ppb)

Artemesia frigida (dry tissue)

N

4+00

\* 180

\* 150

\* 210

\* 170

3+00

\* 150

\* 120

\* 370

\* 220

\* 270

\* 150

\* 220

\* 100

2+00

\* 180

\* 190

\* 230

\* 210

\* 60

1+00

\* 150

\* 190

0+00

2+00E

3+00

4+00

5+00

GRAPHIC CONTROLS CANADA  
GANDJQUE, ONTARIO MADE IN CANADA

REF. 50 SQUARE 10 X 10 TO THE INCH  
SPECIFY TRACING OR DRAWING PAPER



Kamloops

AZ 92/33 M

Mo (ppb)

Artemesia frigida (dry tissue)

N  
+ 4400

GRAPHIC CONTROLS CANADA  
GRAPHIQUE, ONTARIO, MADE IN CANADA

\* 300

\* 450

\* 380

\* 270

3000

\* 340

\* 1600

\* 440

\* 710

\* 320

\* 300

\* 225

\* 210

2000

\* 220

\* 210

\* 360

\* 280

\* 3200

1000

\* 1500

\* 430

0100

200E

3000

4000

5000

GRF 65D SQUARE 10 X 10 TO THE INCH  
SPECIFY TRACING OR DRAWING PAPER

Kamloops

AL 92/334

Au (ppb)

Antaresia frigida (dry tissue)

N  
+ 4000

GRAPHIC CONTROLS CANADA  
GAMANQUE, ONTARIO MADE IN CANADA

3000

4  
x

GRF GSD SQUARE 10 X 10 TO THE INCH  
SPECIFY TRACING OR DRAWING PAPER

2000

1000

0000

2000E

3000

4000

5000

\* 1.2

\* 1.0

\* 1.2

\* 0.0

\* 1.3

\* 0.9

\* 1.3

\* 1.6

\* 0.7

\* 3.2

\* 0.7

\* 3.7

\* 1.9

\* 1.1

\* 0.6

\* 1.1

\* 0.8

\* 1.0