Chemex Labs Ltd.

Analytical Chemists * Geochemists * Registered Assayers

212 Brooksbank Ave., North Vancouver
British Columbia, Canada V7J 2C1
PHONE: 604-984-0221 FAX: 604-984-0218

To: YUKON ECONOMIC DEVELOPMENT
GEOSCIENCE OFFICE
BOX 2703 F-3
WHITEHORSE, YT
Y1A 2C6

900251

A9716071

Comments: ATTN: DANIELE HEON

CERTIFICATE A9716071

(MZQ) - YUKON ECONOMIC DEVELOPMENT

Project:
P.O. # :

Samples submitted to our lab in Vancouver, BC.
This report was printed on 12-MAR-97.

SAMPLE PREPARATION

CHEMEX CODE	NUMBER SAMPLES	DESCRIPTION
255	5	RUSH Geo ring to approx 150 mesh
295	5	RUSH crush and split (0-3 Kg)
3202	5	Rock - save entire reject
229	5	ICP - AQ Digestion charge

* NOTE 1:

The 32 element ICP package is suitable for trace metals in soil and rock samples. Elements for which the nitric-aqua regia digestion is possibly incomplete are: Al, Ba, Be, Ca, Cr, Ga, K, La, Mg, Na, Sr, Ti, Tl, W.

ANALYTICAL PROCEDURES

CHEMEX CODE	NUMBER SAMPLES	DESCRIPTION	METHOD	DETECTION LIMIT	UPPER LIMIT
991	5	Au ppb: Fuse 30 g sample	FA-AAS	5	10000
2118	5	Ag ppm: 32 element, soil & rock	ICP-AES	0.2	100.0
2119	5	Al %: 32 element, soil & rock	ICP-AES	0.01	15.00
2120	5	As ppm: 32 element, soil & rock	ICP-AES	2	10000
2121	5	Ba ppm: 32 element, soil & rock	ICP-AES	10	10000
2122	5	Be ppm: 32 element, soil & rock	ICP-AES	0.5	100.0
2123	5	Bi ppm: 32 element, soil & rock	ICP-AES	2	10000
2124	5	Ca %: 32 element, soil & rock	ICP-AES	0.01	15.00
2125	5	Cd ppm: 32 element, soil & rock	ICP-AES	0.5	100.0
2126	5	Co ppm: 32 element, soil & rock	ICP-AES	1	10000
2127	5	Cr ppm: 32 element, soil & rock	ICP-AES	1	10000
2128	5	Cu ppm: 32 element, soil & rock	ICP-AES	1	10000
2150	5	Fe %: 32 element, soil & rock	ICP-AES	0.01	15.00
2130	5	Ga ppm: 32 element, soil & rock	ICP-AES	10	10000
2131	5	Hg ppm: 32 element, soil & rock	ICP-AES	1	10000
2132	5	K %: 32 element, soil & rock	ICP-AES	0.01	10.00
2151	5	La ppm: 32 element, soil & rock	ICP-AES	10	10000
2134	5	Mg %: 32 element, soil & rock	ICP-AES	0.01	15.00
2135	5	Mn ppm: 32 element, soil & rock	ICP-AES	5	10000
2136	5	Mo ppm: 32 element, soil & rock	ICP-AES	1	10000
2137	5	Na %: 32 element, soil & rock	ICP-AES	0.01	5.00
2138	5	Ni ppm: 32 element, soil & rock	ICP-AES	1	10000
2139	5	P ppm: 32 element, soil & rock	ICP-AES	10	10000
2140	5	Pb ppm: 32 element, soil & rock	ICP-AES	2	10000
2141	5	Sb ppm: 32 element, soil & rock	ICP-AES	2	10000
2142	5	Sc ppm: 32 elements, soil & rock	ICP-AES	1	10000
2143	5	Sr ppm: 32 element, soil & rock	ICP-AES	1	10000
2144	5	Ti %: 32 element, soil & rock	ICP-AES	0.01	5.00
2145	5	Tl ppm: 32 element, soil & rock	ICP-AES	10	10000
2146	5	U ppm: 32 element, soil & rock	ICP-AES	10	10000
2147	5	V ppm: 32 element, soil & rock	ICP-AES	1	10000
2148	5	W ppm: 32 element, soil & rock	ICP-AES	10	10000
2149	5	Zn ppm: 32 element, soil & rock	ICP-AES	2	10000

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Project :
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Page Number :1-A
Total Pages :1
Certificate Date: 12-MAR-97
Invoice No. :I9716071
P.O. Number :
Account :MZQ

CERTIFICATE OF ANALYSIS A9716071

SAMPLE	PREP CODE		Au ppb RUSH	Ag ppm	Al %	As ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Co ppm	Cr ppm	Cu ppm	Fe %	Ga ppm	Hg ppm	K %	La ppm	Mg %	Mn ppm
96DH-127-D	255	295	< 5	1.2	< 0.01	< 2	170	0.5	< 2	>15.00	1.5	< 1	16	< 1	0.39	< 10	< 1	0.01	10	0.09	1690
96DH-128A-D	255	295	< 5	0.2	1.20	4	80	< 0.5	< 2	2.40	< 0.5	4	93	6	1.62	< 10	< 1	0.28	30	0.44	190
96DH-12B-D	255	295	< 5	0.2	0.81	2	60	0.5	< 2	7.16	0.5	5	116	8	1.64	< 10	< 1	0.21	20	0.34	550
96DH-129A-D	255	295	< 5	1.8	1.27	16	420	0.5	2	9.04	9.0	2	61	94	0.83	10	< 1	0.27	10	1.99	70
96DH-129B-D	255	295	< 5	1.8	0.89	6	1670	0.5	2	11.40	3.0	1	21	19	0.86	< 10	< 1	0.09	< 10	5.59	190

CERTIFICATION: Hart Bichler

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CERTIFICATE OF ANALYSIS A9716071

SAMPLE	PREP CODE		Mo ppm	Na %	Ni ppm	P ppm	Pb ppm	Sb ppm	Sc ppm	Sr ppm	Ti %	Tl ppm	U ppm	V ppm	W ppm	Zn ppm
96DH-127-D	255	295	1	< 0.01	2	10	8	2	< 1	950	< 0.01	< 10	< 10	< 1	< 10	12
96DH-128A-D	255	295	1	< 0.01	9	170	4	< 2	2	44	< 0.01	< 10	< 10	10	< 10	20
96DH-12B-D	255	295	1	< 0.01	10	270	6	2	1	97	< 0.01	< 10	< 10	7	< 10	16
96DH-129A-D	255	295	7	< 0.01	24	3370	10	4	2	202	< 0.01	< 10	< 10	301	< 10	652
96DH-129B-D	255	295	3	< 0.01	14	420	8	< 2	1	566	< 0.01	< 10	< 10	148	< 10	230

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North Vancouver, B.C.
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Fax: (604) 984-0218

March 14, 1997

Daniele Heon
Yukon Economic Development
Geoscience Office
Box 2703 F-3
Whitehorse, YT
Y1A 2C6

Dear Ms Heon:

Re: **Certificate of Analysis A9716071**
Checks for Cu Contamination on A9636014

Five rock samples, previously analyzed on Certificate of Analysis A9636014, were re-submitted because of suspected contamination from a copper-rich sample. The results of the re-assays are reported on the enclosed certificate, A9716071. The copper results are summarized in the following table.

	Original Results	Checks on Original Pulps	Checks on new samples
Workorder	A9636014	A9639731	A9716071
Sample Description.	Cu ppm: 32 element, soil & rock	Cu ppm: HNO3-aqua regia digest	Cu ppm: 32 element, soil & rock
96 DH 126A	243000		
96 DH 126B	10400		
96 DH 127	8580	9500	<1.0
96 DH 128A	103	108	6
96 DH 128B	918	950	8
96 DH 129A	114	120	94
96 DH 129B	111	137	19

It is apparent there was copper carry-over from samples 96 DH 126A and 96 DH 126 B in the original work.

Pulverizing is done using a two ring system. Samples 96 DH 126A, 96 DH 127, 96 DH 128B and 96 DH 129B were prepared sequentially in the same set of bowls. Similarly, samples 96 DH 126B, 96 DH 128A and 96 DH 129A were pulverized in the other set of bowls. Bowls and equipment are cleaned between each sample and silica sand ran every forty samples and between submissions from different clients. Contamination carryover from high grade samples is typically <1%. When samples of a wide ranges of concentrations are being submitted we encourage clients to separate them into high grade and low grade groups so they can be prepared separately to prevent these problems.

The copper carryover from sample 96 DH 126B was <1% and the zinc carryover from sample 96 DH 50, 3.56% Zinc, was less than 0.2%. The carryover from sample 96 DH 126A into samples 96 DH 127 and 96 DH 128B is greater than we would routinely expect. This may be due to the particular nature of the sample or to improper practices by the operator. Practices and procedures are being reviewed with the staff member involved.

We apologize for the problems and inconvenience this has caused you. The copper carryover from sample 96 DH 126A is outside the range we would consider acceptable so we would like to provide the analysis done on A9716071 at no charge. Please contact me if you have any questions or require more information.

Sincerely,

Brenda Caughlin
Director, Laboratory Services

Enclosures: Certificate of Analysis A9716071
Checks for Cu Contamination on A9636014

FROM : CHEMEX LABS LTD., VANCOUVER PHONE: 604-984-0221

TO : YUKON ECONOMIC DEVELOPMENT
ATTENTION : GEOSCIENCE OFFICE ATTN: DANIELE HEON
ATTN: DANIELE HEON
WORKORDER : A9716071 PROJECT :

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P R E L I M I N A R Y D A T A O N L Y !!

*** Samples are being analyzed for: Au ppb RUSH,Ag ppm,Al %,As ppm,Ba ppm,Be ppm,Bi ppm, Ca %,Cd ppm,Co ppm,Cr ppm,Cu ppm,Fe %,Ga ppm,Hg ppm,K %,La ppm,Mg %,Mn ppm,Mo ppm,Na %,Ni ppm,P ppm,Pb ppm,Sb ppm,Sc ppm,Sr ppm,Ti %,Tl ppm,U ppm,V ppm,W ppm,Zn ppm

SAMPLE	991	2118	2119	2120	2121	2122	2123	2124	2125
DESCRIPTION	Au ppb	Ag ppm	Al %	As ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm
96DH-127-D	<5	1.2	<0.01	<2	170	0.5	<2	>15.00	1.5
96DH-128A-D	<5	0.2	1.20	4	80	<0.5	<2	2.40	<0.5
96DH-12B-D	<5	0.2	0.81	2	60	0.5	<2	7.16	0.5
96DH-129A-D	<5	1.8	1.27	16	420	0.5	2	9.04	9.0
96DH-129B-D	<5	1.8	0.89	6	1670	0.5	2	11.40	3.0

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WORKORDER : A9716071 PROJECT :

P R E L I M I N A R Y D A T A O N L Y !!

SAMPLE DESCRIPTION	2126 Co ppm	2127 Cr ppm	2128 Cu ppm	2150 Fe %	2130 Ga ppm	2131 Hg ppm	2132 K %	2151 La ppm	2134 Mg %	
96DH-127-D	<1	1416	9500 <1	.71 0.39	<10	<1	0.01	10	0.09	
96DH-128A-D	5 4	1693	108 6	1.64 1.62	<10	<1	0.28	30	0.44	0.39
96DH-12B-D	4 5	5411 6	950 8	1.39 1.64	<10	<1	0.21	10 20	0.34	0.3
96DH-129A-D	3 2	7761	11494	1.09 0.83	10	<1	0.27	2010	1.99	2.46
96DH-129B-D	1	2521	11119	0.86 0.82	<10	<1	0.09	<10	5.59	4.93

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P R E L I M I N A R Y D A T A O N L Y !!

SAMPLE DESCRIPTION	2135 Mn ppm	2136 Mo ppm	2137 Na %	2138 Ni ppm	2139 P ppm	2140 Pb ppm	2141 Sb ppm	2142 Sc ppm	2143 Sr ppm	
96DH-127-D	1690	1	<0.01	2	410	8	2	<1	950	839
96DH-128A-D	190	1	<0.01	9	170	4	<2	2	44	22
96DH-12B-D	550	1	<0.01	10	270	6	2	1	97	139
96DH-129A-D	70	7	<0.01	24	370	10	4	2	202	173
96DH-129B-D	190	3	<0.01	14	420	8	<2	1	566	501

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WORKORDER : A9716071 PROJECT :

P R E L I M I N A R Y D A T A O N L Y !!

SAMPLE	2144	2145	2146	2147	2148	2149
DESCRIPTION	Ti %	Tl ppm	U ppm	V ppm	W ppm	Zn ppm
96DH-127-D	<0.01	<10	<10	<1	<10	12
96DH-128A-D	<0.01	<10	<10	10	<10	20
96DH-12B-D	<0.01	<10	<10	7	<10	16
96DH-129A-D	<0.01	<10	<10	301	<10	652
96DH-129B-D	<0.01	<10	<10	148	<10	230

END OF DATA

96

DR1 (OR)

DR1 COR

COR'

95

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