

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

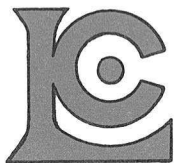
CHEMEX CODE	NUMBER SAMPLES	DESCRIPTION
255	5	RUSH Geo ring to approx 150 mesh
295	5	RUSH crush and split (0-3 Kg)
3202	5	Rock - save entire reject
229	5	ICP - AQ Digestion charge

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

Project :
 Comments: ATTN: DANIELE HEON

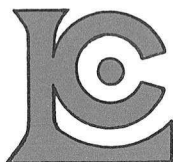
CERTIFICATE OF ANALYSIS

A9716071

SAMPLE	PREP		Au ppb	Ag	Al	As	Ba	Be	Bi	Ca	Cd	Co	Cr	Cu	Fe	Ga	Hg	K	La	Mg	Mn
	CODE		RUSH	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	%	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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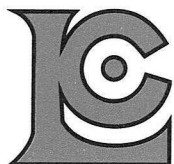
CERTIFICATE OF ANALYSIS

A9716071

SAMPLE	PREP CODE		Mo	Na	Ni	P	Pb	Sb	Sc	Sr	Ti	Tl	U	V	W	Zn
			ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	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

CERTIFICATION:

Hart Buehler



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212 Brooksbank Ave.
North Vancouver, B.C.
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Phone: (604) 984-0221
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: HNO ₃ -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

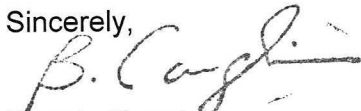
It is apparent there was copper carry-over from samples 96 DH 126A and 96 DH 126 B in the original work.

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
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 WORKORDER : A9716071 PROJECT :

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PRELIMINARY DATA ONLY !!

*** 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 DESCRIPTION	991 Au ppb	2118 Ag ppm	2119 Al %	2120 As ppm	2121 Ba ppm	2122 Be ppm	2123 Bi ppm	2124 Ca %	2125 Cd ppm
96DH-127-D	<5	62	<0.01	40.1	<200	170	14	>15.00	1.5
96DH-128A-D	<5	2.2	1.20	1.14	4	<0.5	<2	1.92	<0.5
96DH-128B-D	<5	2.2	0.81	0.63	26	6070	<2	8.4	0.5
96DH-129A-D	<5	1.6	1.27	1.5	1622	420	2	7.3	9.0
96DH-129B-D	<5	0.6	0.89	0.88	616	1670	2	11.40	3.0

3730

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PRELIMINARY DATA ONLY !!

SAMPLE	2126	2127	2128	2150	2130	2131	2132	2151	2134
DESCRIPTION	Co ppm	Cr ppm	Cu ppm	Fe %	Ga ppm	Hg ppm	K %	La ppm	Mg %
96DH-127-D	<1	1416	950	<1	10.39	<1	0.01	10	0.09
96DH-128A-D	54	1693	1086	1.64	1.62	<1	0.28	30	0.44 0.39
96DH-12B-D	45	5416	9508	1.39	1.64	<1	0.21	1020	0.34 0.3
96DH-129A-D	32	7761	11494	1.08	0.83	10	0.27	2010	1.99 2.46
96DH-129B-D	1	2521	1119	0.86	0.82	<10	0.09	<10	5.59 4.93

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PRELIMINARY DATA ONLY !!

SAMPLE	2135	2136	2137	2138	2139	2140	2141	2142	2143
DESCRIPTION	Mn ppm	Mo ppm	Na %	Ni ppm	P ppm	Pb ppm	Sb ppm	Sc ppm	Sr ppm
96DH-127-D	1500 1690	1	<0.01	2	40 10	16 8	2	<1	950 839
96DH-128A-D	170 190	1	<0.01	11 9	170	6 4	<2	2	44 22
96DH-12B-D	665 550	1	<0.01	8 10	240 270	10 6	2	1	97 139
96DH-129A-D	70 70	9 7	<0.01	32 24	410 370	12 10	6 4	3 2	202 173
96DH-129B-D	180 190	3	<0.01	14 14	470 420	14 8	4 <2	1	566 501

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PRELIMINARY DATA ONLY !!

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 <10	1 <1	<10	34 12
96DH-128A-D	<0.01	<10	<10	9 10	<10	20
96DH-12B-D	<0.01	<10	<10	6 7	<10	10 16
96DH-129A-D	<0.01	<10	<10	268 301	<10	742 652
96DH-129B-D	<0.01	<10	<10	153 148	<10	254 230

END OF DATA

96

DR₁ (COR)

DR₁ COR
COR!

95

$\frac{COR}{OSI}$