



# ALS Chemex

Aurora Laboratory Services 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: CARTER, N. C.

1410 WENDE RD.  
 VICTORIA, BC  
 V8P 3T5

830650  
 Tillicum  
 82F/13

A0123382

Comments: ATTN: N.C. CARTER

## CERTIFICATE

A0123382

(OUO) - CARTER, N. C.

Project:  
 P.O. #:

Samples submitted to our lab in Vancouver, BC.  
 This report was printed on 05-SEP-2001.

## SAMPLE PREPARATION

METHOD CODE	NUMBER SAMPLES	DESCRIPTION
SCR-42	15	-180 micron screen - Save Minus
SCR-01	15	Screen - Save Plus Charge
LOG-22	15	Samples received without barcode
229	15	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

METHOD CODE	NUMBER SAMPLES	DESCRIPTION	METHOD	DETECTION LIMIT	UPPER LIMIT
WEI-21	15	Weight of received sample	BALANCE	0.01	1000.0
Au-AA23	15	Au-AA23 : Au ppb: Fuse 30 grams	FA-AAS	5	10000
Ag-ICP41	15	Ag ppm: 32 element, soil & rock	ICP-AES	0.2	100.0
Al-ICP41	15	Al %: 32 element, soil & rock	ICP-AES	0.01	15.00
As-ICP41	15	As ppm: 32 element, soil & rock	ICP-AES	2	10000
B-ICP41	15	B ppm: 32 element, rock & soil	ICP-AES	10	10000
Ba-ICP41	15	Ba ppm: 32 element, soil & rock	ICP-AES	10	10000
Be-ICP41	15	Be ppm: 32 element, soil & rock	ICP-AES	0.5	100.0
Bi-ICP41	15	Bi ppm: 32 element, soil & rock	ICP-AES	2	10000
Ca-ICP41	15	Ca %: 32 element, soil & rock	ICP-AES	0.01	15.00
Cd-ICP41	15	Cd ppm: 32 element, soil & rock	ICP-AES	0.5	500
Co-ICP41	15	Co ppm: 32 element, soil & rock	ICP-AES	1	10000
Cr-ICP41	15	Cr ppm: 32 element, soil & rock	ICP-AES	1	10000
Cu-ICP41	15	Cu ppm: 32 element, soil & rock	ICP-AES	1	10000
Fe-ICP41	15	Fe %: 32 element, soil & rock	ICP-AES	0.01	15.00
Ga-ICP41	15	Ga ppm: 32 element, soil & rock	ICP-AES	10	10000
Hg-ICP41	15	Hg ppm: 32 element, soil & rock	ICP-AES	1	10000
K-ICP41	15	K %: 32 element, soil & rock	ICP-AES	0.01	10.00
La-ICP41	15	La ppm: 32 element, soil & rock	ICP-AES	10	10000
Mg-ICP41	15	Mg %: 32 element, soil & rock	ICP-AES	0.01	15.00
Mn-ICP41	15	Mn ppm: 32 element, soil & rock	ICP-AES	5	10000
Mo-ICP41	15	Mo ppm: 32 element, soil & rock	ICP-AES	1	10000
Na-ICP41	15	Na %: 32 element, soil & rock	ICP-AES	0.01	10.00
Ni-ICP41	15	Ni ppm: 32 element, soil & rock	ICP-AES	1	10000
P-ICP41	15	P ppm: 32 element, soil & rock	ICP-AES	10	10000
Pb-ICP41	15	Pb ppm: 32 element, soil & rock	ICP-AES	2	10000
S-ICP41	15	S %: 32 element, rock & soil	ICP-AES	0.01	10.00
Sb-ICP41	15	Sb ppm: 32 element, soil & rock	ICP-AES	2	10000
Sc-ICP41	15	Sc ppm: 32 elements, soil & rock	ICP-AES	1	10000
Sr-ICP41	15	Sr ppm: 32 element, soil & rock	ICP-AES	1	10000
Ti-ICP41	15	Ti %: 32 element, soil & rock	ICP-AES	0.01	10.00
Tl-ICP41	15	Tl ppm: 32 element, soil & rock	ICP-AES	10	10000
U-ICP41	15	U ppm: 32 element, soil & rock	ICP-AES	10	10000
V-ICP41	15	V ppm: 32 element, soil & rock	ICP-AES	1	10000
W-ICP41	15	W ppm: 32 element, soil & rock	ICP-AES	10	10000
Zn-ICP41	15	Zn ppm: 32 element, soil & rock	ICP-AES	2	10000



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 Account : OUO

## CERTIFICATE OF ANALYSIS A0123382

SAMPLE	PREP CODE	Weight Kg	Au ppb FA+AA	Ag ppm	Al %	As ppm	B ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Co ppm	Cr ppm	Cu ppm	Fe %	Ga ppm	Hg ppm	K %	La ppm
C.R. #1	94069407	0.42	130	0.6	2.22	6	< 10	60	0.5	< 2	0.23	2.5	67	24	116	2.93	< 10	< 1	0.26	< 10
C.R. #2	94069407	0.40	55	< 0.2	2.41	< 2	< 10	90	< 0.5	4	0.27	1.5	24	47	51	3.41	< 10	< 1	0.69	< 10
AUG1-01-#1	94069407	5.40	125	< 0.2	2.09	8	< 10	110	0.5	< 2	0.72	1.0	9	41	25	2.73	< 10	< 1	0.21	10
AUG1-01-#2	94069407	5.36	250	< 0.2	2.07	2	< 10	70	0.5	< 2	0.57	0.5	8	28	18	2.55	< 10	< 1	0.18	< 10
AUG1-01-#3	94069407	4.72	260	< 0.2	2.16	< 2	< 10	150	0.5	< 2	0.63	0.5	10	58	23	2.82	< 10	< 1	0.19	10
AUG1-01-#4	94069407	4.54	230	< 0.2	2.14	< 2	< 10	80	< 0.5	< 2	0.81	1.0	8	31	21	3.05	< 10	< 1	0.33	< 10
AUG1-01-#5	94069407	4.88	275	< 0.2	2.08	< 2	< 10	70	0.5	< 2	0.86	1.0	8	33	18	2.88	< 10	< 1	0.26	< 10
AUG1-01-#6	94069407	4.76	45	< 0.2	2.23	< 2	< 10	60	1.0	< 2	0.61	1.0	9	48	32	2.87	< 10	< 1	0.15	10
AUG2-01-#7	94069407	4.32	400	< 0.2	2.71	2	< 10	30	1.5	< 2	1.04	1.5	4	18	< 1	3.24	10	< 1	0.19	50
AUG2-01-#8	94069407	4.26	95	< 0.2	2.21	4	< 10	30	1.0	< 2	0.79	1.0	4	17	< 1	2.80	10	< 1	0.16	40
AUG2-01-#9	94069407	5.02	25	< 0.2	2.77	8	< 10	90	0.5	< 2	1.06	1.5	10	46	25	3.16	10	< 1	0.21	10
AUG2-01-#10	94069407	5.00	160	< 0.2	2.97	10	< 10	120	0.5	< 2	1.11	1.5	13	53	29	3.36	10	< 1	0.26	20
AUG2-01-#11	94069407	5.00	170	< 0.2	1.96	20	< 10	90	< 0.5	< 2	0.69	2.0	9	31	26	2.96	< 10	< 1	0.28	< 10
AUG2-01-#12	94069407	4.44	40	< 0.2	2.59	2	< 10	160	0.5	< 2	0.86	2.0	15	51	53	3.25	< 10	< 1	0.43	< 10
AUG2-01-#13	94069407	4.86	20	< 0.2	1.87	28	< 10	90	< 0.5	< 2	0.60	2.5	9	28	27	2.88	< 10	< 1	0.26	< 10

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SAMPLE	PREP CODE	Mg %	Mn ppm	Mo ppm	Na %	Ni ppm	P ppm	Pb ppm	S %	Sb ppm	Sc ppm	Sr ppm	Ti %	Tl ppm	U ppm	V ppm	W ppm	Zn ppm
C.R. #1	94069407	0.65	855	7	0.01	22	910	60	0.07	< 2	2	18	0.08	< 10	< 10	85	< 10	264
C.R. #2	94069407	1.13	520	6	0.01	12	930	8	0.06	< 2	6	18	0.11	< 10	< 10	130	< 10	90
AUG1-01-#1	94069407	0.86	445	2	0.01	18	1330	< 2	0.02	< 2	3	91	0.11	< 10	< 10	65	< 10	56
AUG1-01-#2	94069407	0.71	580	3	0.01	13	1480	< 2	0.01	2	2	55	0.11	< 10	< 10	59	< 10	56
AUG1-01-#3	94069407	1.11	575	2	0.01	33	1300	6	0.01	< 2	3	85	0.11	< 10	< 10	61	< 10	62
AUG1-01-#4	94069407	0.95	555	3	0.01	12	1690	6	0.01	< 2	3	72	0.15	< 10	< 10	75	< 10	62
AUG1-01-#5	94069407	1.02	720	2	0.02	22	1560	10	0.04	< 2	3	81	0.12	< 10	< 10	66	< 10	58
AUG1-01-#6	94069407	0.91	940	3	0.01	23	1030	8	0.02	2	3	64	0.10	< 10	< 10	75	< 10	68
AUG2-01-#7	94069407	0.86	715	3	0.01	15	1440	16	0.01	< 2	4	151	0.14	10	< 10	56	< 10	88
AUG2-01-#8	94069407	0.77	625	2	0.01	15	1090	8	< 0.01	< 2	3	112	0.13	10	< 10	49	< 10	74
AUG2-01-#9	94069407	1.22	575	4	0.01	47	1450	8	0.01	< 2	4	170	0.14	< 10	< 10	74	< 10	88
AUG2-01-#10	94069407	1.46	570	4	0.01	54	1440	10	0.01	2	4	168	0.16	< 10	< 10	85	< 10	88
AUG2-01-#11	94069407	1.00	545	3	0.01	12	1770	10	0.03	< 2	3	49	0.11	< 10	< 10	80	< 10	112
AUG2-01-#12	94069407	1.46	585	1	0.01	17	1760	8	0.01	< 2	4	83	0.14	< 10	< 10	95	< 10	92
AUG2-01-#13	94069407	0.91	620	2	0.01	12	1500	10	0.03	2	3	42	0.10	< 10	< 10	82	< 10	134

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*[Handwritten signature]*