



ALS Canada Ltd.

2103 Dollarton Hwy
North Vancouver BC V7H 0A7
Phone: +1 (604) 984 0221 Fax: +1 (604) 984 0218
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To: **GOLDCORP KAMINAK LTD**
SUITE 3400 - 666 BURRARD STREET
VANCOUVER BC V6C 2X8

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Total # Pages: 4 (A - C)
Plus Appendix Pages
Finalized Date: 14-AUG-2018
Account: KAMGOL

CERTIFICATE VA18180757

Project: Coffee

P.O. No.: KGC-18-1355

This report is for 84 Percussion samples submitted to our lab in Whitehorse, YT,
Canada on 25-JUL-2018.

The following have access to data associated with this certificate:

THOMAS BISSIG
IAN HERBRANSON
TIM SMITH

TOM BOKENFOHR
ERIK SCHEEL
MATT ZAGO

CASEY CARDINAL
JAMES SCOTT

SAMPLE PREPARATION

ALS CODE	DESCRIPTION
WEI-21	Received Sample Weight
LOG-21	Sample logging - ClientBarCode
CRU-QC	Crushing QC Test
PUL-QC	Pulverizing QC Test
CRU-31	Fine crushing - 70% <2mm
SPL-21	Split sample - riffle splitter
PUL-32m	Pulverize 500g - 85%<75um
BAG-01	Bulk Master for Storage
LOG-23	Pulp Login - Rcvd with Barcode

ANALYTICAL PROCEDURES

ALS CODE	DESCRIPTION	INSTRUMENT
Au-ICP21	Au 30g FA ICP-AES Finish	ICP-AES
ME-ICP41	35 Element Aqua Regia ICP-AES	ICP-AES
Au-AA13	Au by cyanide leach and AAS	AAS

This is the Final Report and supersedes any preliminary report with this certificate number. Results apply to samples as submitted. All pages of this report have been checked and approved for release.

***** See Appendix Page for comments regarding this certificate *****

Signature:


Colin Ramshaw, Vancouver Laboratory Manager



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CERTIFICATE OF ANALYSIS VA18180757

Sample Description	Method Analyte Units LOD	WEI-21 Recvd Wt. kg 0.02	Au-ICP21 Au ppm 0.001	Au-AA13 Au ppm 0.03	ME-ICP41 Ag ppm 0.2	ME-ICP41 Al % 0.01	ME-ICP41 As ppm 2	ME-ICP41 B ppm 10	ME-ICP41 Ba ppm 10	ME-ICP41 Be ppm 0.5	ME-ICP41 Bi ppm 2	ME-ICP41 Ca % 0.01	ME-ICP41 Cd ppm 0.5	ME-ICP41 Co ppm 1	ME-ICP41 Cr ppm 1	ME-ICP41 Cu ppm 1
W801713		1.80	<0.001		<0.2	2.93	15	<10	460	0.9	<2	1.67	<0.5	21	50	13
W801714		1.88	0.003		<0.2	1.75	56	<10	250	0.8	<2	2.03	<0.5	13	50	8
W801715		1.68	<0.001		<0.2	0.62	244	<10	290	1.7	<2	4.43	<0.5	9	38	7
W801716		1.56	0.006		<0.2	1.40	220	<10	340	1.6	<2	3.14	<0.5	12	58	14
W801717		1.76	0.002		<0.2	2.17	58	<10	340	0.8	<2	1.17	<0.5	16	47	8
W801718		1.86	0.003		0.2	1.97	26	<10	2070	0.6	2	1.35	<0.5	12	67	52
W801719		1.52	2.73	2.60	0.6	1.01	4150	10	400	2.4	<2	5.57	<0.5	23	102	8
W801720		0.10	0.018		<0.2	1.58	6	<10	130	<0.5	<2	0.91	<0.5	9	10	91
W801721		1.72	<0.001		<0.2	2.00	10	<10	250	0.7	<2	1.66	<0.5	14	75	9
W801722		0.88	0.004		<0.2	0.72	25	<10	160	<0.5	<2	0.27	<0.5	7	23	11
W801723		1.62	0.036		<0.2	0.91	50	<10	110	<0.5	<2	0.27	<0.5	7	23	8
W801724		0.84	0.008		<0.2	0.93	16	<10	120	<0.5	2	0.20	<0.5	5	16	8
W801725		0.74	0.005		<0.2	1.03	10	<10	110	<0.5	<2	0.22	<0.5	4	14	21
W801726		1.74	0.007		<0.2	0.87	17	<10	110	<0.5	<2	0.22	<0.5	5	12	10
W801727		1.32	<0.001		<0.2	0.77	6	<10	140	<0.5	3	0.17	<0.5	4	11	8
W801728		1.08	0.004		<0.2	0.82	20	<10	130	<0.5	<2	0.12	<0.5	4	12	8
W801729		1.08	0.006		<0.2	0.89	14	<10	120	<0.5	2	0.21	<0.5	4	12	5
W801730		0.10	0.738	0.71	0.2	2.68	5	<10	100	<0.5	<2	1.97	<0.5	15	100	163
W801731		1.36	0.002		<0.2	0.89	8	<10	140	<0.5	2	0.18	<0.5	5	12	6
W801732		1.44	0.003		<0.2	0.89	6	<10	210	<0.5	<2	0.21	<0.5	7	14	12
W801733		1.06	0.004		<0.2	0.84	4	<10	80	<0.5	<2	0.31	<0.5	4	13	5
W801734		1.42	0.003		<0.2	1.15	10	<10	110	0.5	2	0.35	<0.5	8	22	6
W801735		1.08	0.001		<0.2	0.56	5	<10	70	<0.5	<2	0.12	<0.5	3	10	4
W801736		1.40	<0.001		<0.2	0.39	3	<10	40	<0.5	<2	0.34	<0.5	2	10	4
W801737		1.22	0.003		<0.2	0.66	5	<10	80	<0.5	<2	0.14	<0.5	4	9	9
W801738		1.16	0.023		<0.2	0.69	11	<10	100	0.5	<2	0.11	<0.5	5	8	7
W801739		1.26	0.008		<0.2	0.51	34	<10	80	0.5	<2	0.10	<0.5	4	9	7
W801740		0.10	0.006		<0.2	1.59	<2	<10	130	<0.5	<2	0.92	<0.5	9	10	90
W801741		1.20	0.105		0.2	0.76	229	<10	110	1.1	<2	0.11	<0.5	12	31	89
W801742		1.08	0.041		<0.2	0.44	166	<10	140	0.6	2	0.04	<0.5	7	16	31
W801743		1.02	0.010		<0.2	0.44	40	<10	70	0.5	2	0.06	<0.5	4	10	18
W801744		1.20	<0.001		<0.2	0.44	7	<10	60	<0.5	<2	0.09	<0.5	3	8	8
W801745		1.24	<0.001		<0.2	1.36	25	<10	110	0.6	2	0.36	<0.5	13	21	12
W801746		1.14	<0.001		<0.2	0.75	7	<10	80	<0.5	2	0.17	<0.5	6	14	13
W801747		1.16	0.001		<0.2	0.67	24	<10	60	<0.5	<2	0.14	<0.5	4	36	10
W801748		1.50	<0.001		<0.2	0.50	6	<10	70	<0.5	<2	0.08	<0.5	4	10	11
W801749		1.72	0.001		<0.2	0.55	11	<10	70	<0.5	2	0.09	<0.5	4	11	7
W801750		0.10	5.87	5.24	1.1	2.52	535	<10	110	<0.5	<2	2.02	<0.5	45	811	100
W801751		1.42	0.001		<0.2	0.59	5	<10	70	<0.5	<2	0.08	<0.5	5	11	10
W801752		1.38	<0.001		<0.2	0.66	2	<10	60	<0.5	2	0.16	<0.5	4	10	11



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CERTIFICATE OF ANALYSIS VA18180757

Sample Description	Method Analyte Units LOD	ME-ICP41 Fe %	ME-ICP41 Ga ppm	ME-ICP41 Hg ppm	ME-ICP41 K %	ME-ICP41 La ppm	ME-ICP41 Mg %	ME-ICP41 Mn ppm	ME-ICP41 Mo ppm	ME-ICP41 Na %	ME-ICP41 Ni ppm	ME-ICP41 P ppm	ME-ICP41 Pb ppm	ME-ICP41 S %	ME-ICP41 Sb ppm	ME-ICP41 Sc ppm
		0.01	10	1	0.01	10	0.01	5	1	0.01	1	10	2	0.01	2	1
W801713		4.00	10	<1	2.09	10	2.39	689	2	0.05	45	800	3	0.06	<2	5
W801714		2.89	10	<1	1.21	20	1.16	705	2	0.04	23	680	6	0.01	8	3
W801715		2.99	<10	<1	0.49	20	0.42	877	3	0.02	28	800	9	0.03	39	5
W801716		3.08	10	<1	1.10	40	1.09	796	3	0.03	43	750	9	0.01	37	3
W801717		3.26	10	<1	1.54	20	1.55	836	2	0.05	30	560	4	0.02	11	3
W801718		3.33	10	<1	1.42	20	1.50	778	2	0.05	28	390	12	0.07	7	3
W801719		4.56	<10	2	0.35	10	1.09	1300	2	0.01	60	450	17	0.12	1330	11
W801720		2.77	<10	<1	0.20	10	0.73	383	2	0.17	5	640	4	0.02	<2	2
W801721		2.98	10	<1	1.44	30	1.57	615	3	0.04	50	450	13	0.07	2	2
W801722		1.77	<10	<1	0.18	20	0.26	338	2	0.04	10	260	6	0.01	2	2
W801723		1.89	<10	<1	0.35	30	0.34	328	2	0.04	11	340	7	0.01	14	2
W801724		2.12	<10	<1	0.48	50	0.32	293	2	0.04	8	350	6	0.02	<2	2
W801725		2.05	<10	<1	0.61	50	0.39	283	2	0.05	6	370	4	0.01	<2	2
W801726		1.78	<10	<1	0.53	50	0.30	272	3	0.04	8	350	6	0.01	5	1
W801727		1.69	<10	<1	0.46	60	0.26	247	3	0.05	7	330	4	0.01	<2	1
W801728		2.08	<10	<1	0.48	60	0.27	207	3	0.05	5	340	4	0.09	<2	1
W801729		2.01	<10	<1	0.55	60	0.34	305	2	0.05	5	380	4	0.04	5	1
W801730		2.56	10	<1	0.18	10	1.41	450	3	0.30	145	390	11	0.07	<2	2
W801731		2.03	<10	<1	0.46	60	0.32	275	2	0.05	6	390	4	0.01	<2	2
W801732		2.18	10	<1	0.39	70	0.33	421	3	0.05	6	300	5	0.07	<2	2
W801733		1.75	<10	<1	0.35	60	0.29	221	2	0.04	7	330	4	0.01	<2	1
W801734		2.14	<10	<1	0.56	50	0.61	333	2	0.04	11	420	3	0.01	<2	2
W801735		1.26	<10	<1	0.37	40	0.17	143	3	0.04	4	220	2	0.05	<2	1
W801736		0.99	<10	<1	0.31	20	0.13	173	2	0.03	4	430	3	0.01	<2	1
W801737		1.80	<10	<1	0.40	50	0.21	204	2	0.04	4	320	3	0.03	<2	1
W801738		1.76	<10	<1	0.48	60	0.23	332	2	0.04	5	340	4	0.01	<2	1
W801739		1.74	<10	<1	0.31	50	0.14	283	3	0.04	8	330	8	0.01	<2	1
W801740		2.77	10	<1	0.21	10	0.73	385	2	0.17	5	650	4	0.02	<2	2
W801741		3.08	<10	<1	0.24	70	0.12	373	3	0.02	205	360	67	0.01	23	2
W801742		1.90	<10	<1	0.18	50	0.03	316	5	0.02	84	200	6	0.01	6	1
W801743		1.60	<10	<1	0.24	60	0.09	260	6	0.04	14	270	5	0.02	2	1
W801744		1.43	<10	<1	0.25	40	0.15	102	4	0.05	3	220	6	0.12	<2	1
W801745		2.52	10	<1	0.74	50	0.90	398	3	0.04	13	480	3	0.03	<2	3
W801746		1.79	<10	<1	0.45	60	0.35	239	3	0.05	37	330	2	0.20	<2	1
W801747		1.68	<10	<1	0.35	40	0.44	141	4	0.05	22	230	7	0.17	<2	1
W801748		1.23	<10	<1	0.29	50	0.16	193	4	0.06	4	200	7	0.05	<2	<1
W801749		1.29	<10	<1	0.32	40	0.22	167	3	0.06	4	280	4	0.04	<2	1
W801750		7.51	10	<1	0.61	10	2.75	1280	5	0.07	480	480	20	1.00	3	6
W801751		1.45	<10	<1	0.34	30	0.20	171	3	0.07	4	250	6	0.05	<2	1
W801752		1.45	<10	<1	0.40	50	0.31	177	3	0.06	5	320	4	0.04	<2	1



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CERTIFICATE OF ANALYSIS VA18180757

Sample Description	Method Analyte Units LOD	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41
		Sr	Th	Ti	Ti	U	V	W
		ppm 1	ppm 20	% 0.01	ppm 10	ppm 10	ppm 1	ppm 10
W801713		126	<20	0.24	<10	<10	70	<10
W801714		131	20	0.13	<10	<10	47	<10
W801715		345	30	0.04	<10	10	136	<10
W801716		505	20	0.15	<10	<10	80	<10
W801717		156	<20	0.20	<10	<10	54	<10
W801718		333	<20	0.19	<10	<10	56	<10
W801719		95	<20	0.01	<10	10	44	<10
W801720		72	<20	0.13	<10	<10	99	<10
W801721		55	<20	0.17	<10	<10	35	<10
W801722		25	20	0.04	<10	<10	23	<10
W801723		25	20	0.08	<10	<10	22	<10
W801724		33	20	0.10	<10	<10	15	<10
W801725		19	30	0.11	<10	<10	13	<10
W801726		20	20	0.10	<10	<10	11	<10
W801727		18	30	0.09	<10	<10	9	<10
W801728		38	30	0.10	<10	<10	9	<10
W801729		27	20	0.11	<10	<10	11	<10
W801730		75	<20	0.09	<10	<10	67	<10
W801731		22	20	0.12	<10	<10	11	<10
W801732		34	30	0.08	<10	<10	14	<10
W801733		50	20	0.09	<10	<10	11	<10
W801734		26	20	0.13	<10	<10	18	<10
W801735		15	30	0.05	<10	10	6	<10
W801736		62	30	0.03	<10	<10	17	<10
W801737		25	20	0.06	<10	<10	8	<10
W801738		12	20	0.04	<10	<10	7	<10
W801739		10	30	0.02	<10	<10	8	<10
W801740		73	<20	0.13	<10	<10	100	<10
W801741		16	20	0.01	<10	10	27	<10
W801742		13	30	<0.01	<10	10	15	<10
W801743		9	30	0.01	<10	<10	7	<10
W801744		15	30	0.03	<10	<10	5	<10
W801745		22	20	0.15	<10	<10	28	<10
W801746		13	20	0.08	<10	<10	9	<10
W801747		13	30	0.05	<10	<10	9	<10
W801748		8	30	0.02	<10	<10	3	<10
W801749		10	30	0.02	<10	<10	7	<10
W801750		70	<20	0.09	<10	<10	81	<10
W801751		13	20	0.03	<10	<10	6	<10
W801752		14	30	0.06	<10	<10	8	<10



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W801753		1.30	<0.001		<0.2	0.67	5	<10	70	<0.5	<2	0.17	<0.5	5	24	6
W801754		1.14	<0.001		<0.2	2.54	4	<10	280	0.7	2	2.74	<0.5	17	242	9
W801755		1.36	<0.001		<0.2	1.86	7	<10	250	<0.5	<2	1.92	<0.5	23	140	26
W801756		1.12	<0.001		<0.2	1.47	7	<10	120	<0.5	<2	1.09	<0.5	22	108	21
W801757		1.22	0.003		<0.2	2.26	34	<10	250	<0.5	<2	1.12	<0.5	19	145	17
W801758		1.36	<0.001		<0.2	1.76	5	<10	290	0.6	<2	1.48	<0.5	15	59	10
W801759		1.62	<0.001		<0.2	2.19	7	<10	440	0.5	2	1.56	<0.5	19	75	23
W801760		0.10	0.002		<0.2	1.54	<2	<10	130	<0.5	<2	0.89	<0.5	9	10	90
W801761		1.50	0.004		<0.2	1.52	30	<10	210	<0.5	2	0.89	<0.5	12	46	15
W801762		1.72	0.007		<0.2	1.45	50	<10	420	<0.5	<2	0.84	<0.5	14	74	25
W801763		1.40	0.393	0.39	<0.2	2.06	1390	<10	560	2.1	<2	0.76	<0.5	23	95	20
W801764		1.54	0.011		<0.2	1.60	36	<10	520	0.6	<2	0.96	<0.5	13	72	19
W801765		1.62	0.004		<0.2	2.09	45	<10	330	0.9	<2	1.02	<0.5	17	89	7
W801766		1.84	0.001		<0.2	2.44	9	<10	420	0.5	<2	2.93	<0.5	23	170	14
W801767		1.66	<0.001		<0.2	1.56	11	<10	200	0.5	<2	2.22	<0.5	12	70	7
W801768		1.72	<0.001		<0.2	1.72	5	<10	180	<0.5	<2	2.50	<0.5	16	135	11
W801769		1.64	<0.001		<0.2	1.20	4	<10	30	<0.5	<2	1.37	<0.5	15	102	17
W801770		0.10	1.045	1.04	0.2	2.97	28	<10	120	<0.5	2	2.08	<0.5	14	113	114
W801771		1.58	<0.001		<0.2	1.51	7	<10	130	<0.5	<2	2.74	<0.5	17	131	16
W801772		1.82	<0.001		<0.2	1.81	6	<10	290	<0.5	<2	3.43	<0.5	20	150	11
W801773		1.66	<0.001		<0.2	1.36	3	<10	210	<0.5	<2	3.12	<0.5	14	134	7
W801774		1.54	0.003		<0.2	1.19	36	<10	100	0.7	<2	0.88	<0.5	7	54	6
W801775		1.60	<0.001		<0.2	0.63	50	<10	50	0.5	<2	0.87	<0.5	3	32	4
W801776		1.56	0.001		<0.2	0.36	13	<10	30	<0.5	<2	0.80	<0.5	1	15	4
W801777		1.66	<0.001		<0.2	0.38	12	<10	20	<0.5	<2	0.47	<0.5	1	13	4
W801778		1.56	<0.001		<0.2	0.35	8	<10	10	<0.5	<2	0.37	<0.5	1	14	10
W801779		1.54	0.009		<0.2	0.28	12	<10	10	<0.5	<2	0.48	<0.5	1	14	7
W801780		0.10	0.003		<0.2	1.62	2	<10	130	<0.5	<2	0.96	<0.5	8	10	94
W801781		1.46	0.001		<0.2	0.43	23	<10	40	0.5	<2	0.26	<0.5	1	13	9
W801782		1.42	0.001		<0.2	0.35	11	<10	20	<0.5	<2	0.09	<0.5	1	15	6
W801783		1.66	<0.001		<0.2	0.42	9	<10	20	<0.5	<2	0.18	<0.5	1	15	6
W801784		1.58	<0.001		<0.2	0.40	20	<10	30	<0.5	<2	0.36	<0.5	1	13	7
W801785		1.46	0.003		<0.2	0.21	56	<10	90	<0.5	<2	0.51	<0.5	1	15	7
W801786		1.52	0.002		<0.2	0.29	32	<10	50	0.5	<2	0.32	<0.5	1	15	6
W801787		1.50	<0.001		<0.2	0.24	87	<10	130	<0.5	<2	0.04	<0.5	1	15	7
W801788		1.66	0.001		<0.2	0.26	39	<10	80	0.5	<2	0.14	<0.5	1	19	9
W801789		1.76	0.013		<0.2	0.29	52	<10	50	0.6	<2	0.06	<0.5	1	14	5
W801790		0.10	9.50	3.30	5.5	1.92	39	<10	170	<0.5	<2	1.16	3.1	14	32	1815
W801791		1.78	0.001		<0.2	0.30	78	<10	40	0.6	<2	0.13	<0.5	1	14	6
W801792		1.58	<0.001		<0.2	0.29	25	<10	100	0.5	<2	0.35	<0.5	1	15	8



ALS Canada Ltd.

2103 Dollarton Hwy
North Vancouver BC V7H 0A7
Phone: +1 (604) 984 0221 Fax: +1 (604) 984 0218
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CERTIFICATE OF ANALYSIS VA18180757

Sample Description	Method Analyte Units LOD	ME-ICP41 Fe %	ME-ICP41 Ga ppm	ME-ICP41 Hg ppm	ME-ICP41 K %	ME-ICP41 La ppm	ME-ICP41 Mg %	ME-ICP41 Mn ppm	ME-ICP41 Mo ppm	ME-ICP41 Na %	ME-ICP41 Ni ppm	ME-ICP41 P ppm	ME-ICP41 Pb ppm	ME-ICP41 S %	ME-ICP41 Sb ppm	ME-ICP41 Sc ppm
		0.01	10	1	0.01	10	0.01	5	1	0.01	1	10	2	0.01	2	1
W801753		1.42	<10	<1	0.43	40	0.42	202	2	0.06	8	300	4	0.02	<2	2
W801754		3.71	10	<1	1.42	20	2.34	727	2	0.08	78	380	4	0.01	<2	7
W801755		3.12	10	<1	1.08	<10	1.81	365	2	0.06	78	490	4	0.22	<2	3
W801756		2.82	10	<1	0.60	<10	1.36	279	3	0.07	96	610	5	0.22	<2	3
W801757		3.87	10	<1	1.13	10	2.04	452	2	0.05	67	520	5	0.07	<2	5
W801758		2.80	10	<1	1.45	10	1.59	514	2	0.05	28	590	4	0.14	<2	3
W801759		3.20	10	<1	1.53	10	1.89	544	2	0.06	34	840	3	0.08	<2	3
W801760		2.71	10	<1	0.20	10	0.72	373	2	0.17	4	630	5	0.02	<2	2
W801761		2.43	<10	<1	0.99	20	1.21	413	2	0.07	22	540	3	0.04	8	2
W801762		2.36	<10	<1	0.67	30	1.04	405	2	0.05	34	570	4	0.01	21	3
W801763		4.74	10	2	0.79	20	1.02	956	2	0.03	43	1060	11	0.01	409	13
W801764		2.52	<10	<1	0.99	30	1.27	414	2	0.05	33	380	3	0.02	9	2
W801765		3.32	10	1	1.47	20	1.79	819	2	0.03	43	560	2	0.07	8	4
W801766		3.27	10	<1	1.77	10	2.43	633	2	0.05	48	580	<2	0.34	2	3
W801767		2.18	10	<1	1.01	10	1.40	451	2	0.06	27	390	<2	0.06	<2	3
W801768		2.19	10	1	0.96	10	1.64	372	2	0.04	27	630	<2	0.17	<2	2
W801769		1.62	<10	<1	0.26	10	1.02	212	2	0.03	33	560	2	0.10	<2	2
W801770		2.91	10	<1	0.22	10	1.32	409	4	0.36	126	370	11	0.06	3	3
W801771		2.09	10	<1	0.60	10	1.43	406	2	0.04	37	560	2	0.04	<2	2
W801772		2.39	10	<1	1.01	10	1.79	533	2	0.05	57	470	<2	0.12	3	3
W801773		1.67	<10	1	0.65	<10	1.19	406	2	0.05	35	390	2	0.13	<2	2
W801774		2.29	10	<1	0.70	30	0.84	384	2	0.04	14	320	4	0.01	10	2
W801775		1.43	<10	<1	0.36	30	0.29	263	3	0.05	7	150	3	0.01	5	1
W801776		0.74	<10	<1	0.20	30	0.11	150	5	0.05	3	110	2	0.02	2	<1
W801777		0.89	<10	<1	0.24	30	0.12	190	3	0.04	3	70	9	0.01	2	<1
W801778		0.90	<10	<1	0.23	20	0.09	194	4	0.04	3	60	16	0.04	<2	<1
W801779		0.83	<10	<1	0.18	20	0.06	167	5	0.04	3	40	9	0.14	<2	<1
W801780		2.74	<10	<1	0.20	10	0.73	389	2	0.17	5	630	4	0.02	<2	3
W801781		1.03	<10	1	0.22	20	0.14	217	3	0.04	4	50	10	0.02	2	<1
W801782		0.96	<10	<1	0.24	20	0.10	207	3	0.04	3	50	13	<0.01	2	<1
W801783		0.98	<10	1	0.29	20	0.17	225	3	0.04	4	60	14	0.01	<2	<1
W801784		1.09	<10	1	0.31	20	0.15	245	4	0.03	4	40	12	0.05	<2	<1
W801785		0.95	<10	<1	0.19	20	0.07	208	4	0.03	4	20	15	0.19	2	<1
W801786		0.94	<10	1	0.18	20	0.06	320	4	0.04	4	40	12	0.05	4	<1
W801787		0.94	<10	<1	0.17	20	0.03	548	3	0.02	4	40	12	0.01	19	<1
W801788		0.93	<10	<1	0.18	20	0.03	207	4	0.03	4	40	12	<0.01	5	<1
W801789		0.80	<10	1	0.14	20	0.02	215	3	0.02	3	40	11	<0.01	7	<1
W801790		3.84	10	<1	0.24	10	0.93	620	25	0.22	174	560	315	0.44	4	3
W801791		0.90	<10	<1	0.17	20	0.03	272	3	0.03	4	50	8	<0.01	10	<1
W801792		0.80	<10	<1	0.20	20	0.03	236	4	0.04	3	40	9	0.01	<2	<1



ALS Canada Ltd.
2103 Dollarton Hwy
North Vancouver BC V7H 0A7
Phone: +1 (604) 984 0221 Fax: +1 (604) 984 0218
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Sample Description	Method Analyte Units LOD	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41
		Sr	Th	Ti	Ti	U	V	W
		ppm 1	ppm 20	% 0.01	ppm 10	ppm 10	ppm 1	ppm 10
W801753		20	30	0.05	<10	<10	15	<10
W801754		45	<20	0.14	<10	<10	62	<10
W801755		38	<20	0.18	<10	<10	47	<10
W801756		38	<20	0.18	<10	<10	39	<10
W801757		40	<20	0.26	<10	<10	67	<10
W801758		51	<20	0.19	<10	<10	51	<10
W801759		48	<20	0.26	<10	<10	59	<10
W801760		70	<20	0.13	<10	<10	97	<10
W801761		33	20	0.16	<10	<10	36	<10
W801762		45	20	0.13	<10	<10	38	<10
W801763		58	<20	0.08	<10	<10	89	<10
W801764		38	20	0.13	<10	<10	33	<10
W801765		29	<20	0.17	<10	<10	42	<10
W801766		49	<20	0.27	<10	<10	55	<10
W801767		46	<20	0.15	<10	<10	34	<10
W801768		66	<20	0.27	<10	<10	39	<10
W801769		61	<20	0.21	<10	<10	25	<10
W801770		97	<20	0.11	<10	<10	71	<10
W801771		71	<20	0.22	<10	<10	37	<10
W801772		106	<20	0.25	<10	<10	44	<10
W801773		76	<20	0.22	<10	<10	38	<10
W801774		31	30	0.07	<10	<10	24	<10
W801775		33	30	0.03	<10	<10	9	<10
W801776		18	40	0.01	<10	<10	3	<10
W801777		12	40	0.01	<10	<10	2	<10
W801778		12	40	0.01	<10	10	2	<10
W801779		17	30	0.01	<10	10	2	10
W801780		79	<20	0.13	<10	<10	100	<10
W801781		18	40	0.01	<10	<10	4	<10
W801782		16	30	0.02	<10	<10	3	<10
W801783		18	40	0.02	<10	<10	4	10
W801784		25	40	0.02	<10	10	5	10
W801785		37	40	<0.01	<10	10	2	10
W801786		17	40	0.01	<10	<10	2	10
W801787		14	40	<0.01	<10	<10	4	<10
W801788		18	40	<0.01	<10	<10	3	10
W801789		10	40	<0.01	<10	<10	2	160
W801790		91	<20	0.15	<10	<10	97	<10
W801791		14	40	<0.01	<10	<10	3	<10
W801792		12	40	<0.01	<10	<10	1	<10



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2103 Dollarton Hwy
North Vancouver BC V7H 0A7
Phone: +1 (604) 984 0221 Fax: +1 (604) 984 0218
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Sample Description	Method Analyte Units LOD	WEI-21	Au-ICP21	Au-AA13	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41
		Recvd Wt.	Au	Au	Ag	Al	As	B	Ba	Be	Bi	Ca	Cd	Co	Cr
		kg	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm
		0.02	0.001	0.03	0.2	0.01	2	10	10	0.5	2	0.01	0.5	1	1
W801793		1.60	<0.001		<0.2	0.34	12	<10	50	0.5	<2	0.36	<0.5	1	15
W801794		1.66	<0.001		<0.2	0.42	5	<10	20	<0.5	<2	0.42	<0.5	1	17
W801795		1.36	0.048		<0.2	0.42	162	<10	140	0.6	<2	0.04	<0.5	7	15
W801796		1.86	<0.001		<0.2	1.22	4	<10	30	<0.5	<2	1.28	<0.5	16	100



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North Vancouver BC V7H 0A7
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Sample Description	Method Analyte Units LOD	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41
		Fe	Ga	Hg	K	La	Mg	Mn	Mo	Na	Ni	P	Pb	S	Sb
		%	ppm	ppm	%	ppm	%	ppm	ppm	%	ppm	ppm	ppm	%	ppm
		0.01	10	1	0.01	10	0.01	5	1	0.01	1	10	2	0.01	2
W801793		0.87	<10	1	0.18	20	0.08	210	5	0.05	4	60	7	<0.01	3
W801794		0.88	<10	<1	0.22	20	0.18	155	6	0.05	4	50	4	0.03	<2
W801795		1.81	<10	<1	0.18	50	0.03	306	5	0.01	85	190	8	<0.01	3
W801796		1.65	<10	1	0.26	10	1.04	206	2	0.03	35	550	2	0.10	<2



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		Sr	Th	Ti	Ti	U	V	W	Zn
		ppm	ppm	%	ppm	ppm	ppm	ppm	ppm
		1	20	0.01	10	10	1	10	2
W801793		14	40	<0.01	<10	<10	3	<10	8
W801794		29	30	0.01	<10	<10	3	10	8
W801795		13	30	<0.01	<10	10	14	<10	20
W801796		61	<20	0.21	<10	<10	25	<10	18



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CERTIFICATE COMMENTS

LABORATORY ADDRESSES

Applies to Method:

Processed at ALS Vancouver located at 2103 Dollarton Hwy, North Vancouver, BC, Canada.

Au-AA13

Au-ICP21

BAG-01

CRU-31

CRU-QC

LOG-21

LOG-23

ME-ICP41

PUL-32m

PUL-QC

SPL-21

WEI-21