



ALS Canada Ltd.

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To: **GOLDCORP KAMINAK LTD**
SUITE 3400 - 666 BURRARD STREET
VANCOUVER BC V6C 2X8

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Plus Appendix Pages
Finalized Date: 26-JUL-2018
Account: KAMGOL

CERTIFICATE WH18163878

Project: Coffee

P.O. No.: KGC-18-1305

This report is for 100 Percussion samples submitted to our lab in Whitehorse, YT, Canada on 9-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 WH18163878

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
X843652		3.77	0.007		<0.2	1.52	28	<10	2590	1.0	<2	1.82	<0.5	8	14	8
X843653		4.17	0.012		<0.2	0.89	62	<10	250	0.6	<2	0.54	<0.5	5	9	15
X843654		4.12	0.004		<0.2	0.89	23	<10	110	0.5	<2	0.74	<0.5	5	10	8
X843655		1.92	0.003		<0.2	0.53	19	<10	90	<0.5	<2	0.93	<0.5	3	7	20
X843656		2.96	0.006		<0.2	1.29	27	<10	250	0.7	<2	0.77	<0.5	6	14	6
X843657		3.02	0.004		<0.2	0.96	21	<10	120	0.5	<2	0.96	<0.5	5	11	11
X843658		3.07	0.011		<0.2	0.85	39	<10	240	0.5	<2	1.38	<0.5	3	12	5
X843659		3.25	0.005		<0.2	0.61	27	<10	860	0.8	<2	2.53	<0.5	5	9	6
X843660		0.06	<0.001		<0.2	1.59	<2	<10	130	<0.5	<2	0.91	<0.5	8	10	93
X843661		3.52	0.008		<0.2	0.55	97	<10	140	0.7	9	0.17	<0.5	4	9	7
X843662		2.86	0.009		<0.2	0.52	70	<10	90	0.6	3	1.05	<0.5	4	6	23
X843663		2.67	0.009		<0.2	0.52	84	<10	60	0.6	2	0.40	<0.5	9	5	37
X843664		2.86	0.008		<0.2	0.73	40	<10	90	0.5	<2	1.14	<0.5	5	25	44
X843665		2.88	<0.001		<0.2	1.60	34	<10	240	0.7	<2	2.38	<0.5	11	72	22
X843666		3.26	<0.001		<0.2	1.90	78	<10	250	0.8	<2	2.67	<0.5	17	60	25
X843667		2.35	<0.001		<0.2	1.15	497	10	210	1.0	<2	1.97	<0.5	11	51	18
X843668		2.45	0.766	0.68	0.2	0.50	4010	10	110	0.8	<2	0.88	0.8	9	10	20
X843669		2.44	0.119		0.3	0.50	2150	10	100	1.0	2	1.48	1.3	21	25	60
X843670		0.06	0.753	0.76	0.2	2.95	6	10	100	<0.5	<2	2.16	<0.5	16	109	179
X843671		2.61	0.002		<0.2	0.91	364	10	230	0.9	<2	1.86	<0.5	24	47	78
X843672		2.50	<0.001		<0.2	0.77	201	10	130	0.8	<2	1.75	<0.5	10	34	29
X843673		2.55	<0.001		0.2	0.69	476	10	140	1.1	<2	2.93	<0.5	16	33	62
X843674		2.92	0.002		<0.2	1.15	225	10	170	1.0	<2	5.19	<0.5	15	45	33
X843675		3.22	<0.001		<0.2	0.84	151	10	170	0.7	<2	3.34	<0.5	11	44	39
X843676		3.21	0.222		<0.2	0.51	2060	10	90	0.8	<2	3.56	<0.5	13	18	37
X843677		3.81	0.612	0.45	1.9	0.77	104	10	160	1.8	<2	5.42	1.0	25	27	68
X843678		2.23	0.312	0.19	0.2	1.96	57	10	210	1.0	<2	4.02	<0.5	24	31	45
X843679		2.87	0.004		<0.2	1.76	13	<10	420	0.6	<2	2.96	<0.5	17	23	23
X843680		0.06	<0.001		<0.2	1.70	<2	<10	140	<0.5	<2	0.97	<0.5	8	10	97
X843681		2.64	0.121		<0.2	2.36	19	10	420	1.0	<2	3.97	<0.5	28	29	46
X843682		3.00	0.937	0.72	1.7	2.07	24	10	140	2.5	2	6.77	<0.5	27	15	80
X843683		2.97	1.005	0.82	2.4	2.49	17	10	240	2.8	<2	7.9	0.6	27	20	79
X843684		2.89	1.025	0.87	2.3	2.54	17	10	260	2.8	<2	7.9	0.7	26	21	79
X843685		1.81	0.099		<0.2	2.87	7	10	570	0.9	<2	4.18	<0.5	27	23	62
X843686		2.52	0.010		<0.2	2.04	54	<10	520	0.7	<2	2.18	<0.5	14	25	31
X843687		2.56	0.002		<0.2	1.51	14	<10	570	0.6	<2	1.56	<0.5	15	18	54
X843688		3.09	0.001		<0.2	2.51	11	<10	760	0.9	<2	3.35	<0.5	24	25	68
X843689		2.23	<0.001		<0.2	2.60	32	10	950	1.7	<2	4.74	<0.5	23	22	27
X843690		0.06	6.28	5.56	0.9	2.53	534	10	110	<0.5	<2	2.06	<0.5	44	824	101
X843691		1.98	0.161		<0.2	2.36	1960	10	860	1.9	<2	1.88	<0.5	29	14	48



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CERTIFICATE OF ANALYSIS WH18163878

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
X843652		2.74	10	<1	0.76	30	0.81	643	1	0.03	11	470	5	0.13	2	4
X843653		1.98	<10	<1	0.51	40	0.36	492	1	0.03	7	340	5	<0.01	5	3
X843654		1.44	<10	<1	0.58	30	0.41	351	1	0.04	7	390	3	<0.01	<2	2
X843655		1.11	<10	<1	0.31	30	0.22	245	1	0.03	4	190	3	<0.01	<2	1
X843656		2.15	10	<1	0.75	30	0.76	373	1	0.04	9	530	4	<0.01	2	3
X843657		1.45	<10	<1	0.56	40	0.47	305	1	0.02	7	690	9	<0.01	3	2
X843658		1.21	<10	1	0.45	50	0.45	258	1	0.03	8	810	7	0.01	3	2
X843659		1.82	<10	<1	0.41	30	0.26	511	2	0.01	6	530	8	0.04	<2	2
X843660		2.77	<10	<1	0.21	10	0.74	387	2	0.16	5	640	4	0.01	<2	2
X843661		1.59	<10	1	0.22	40	0.05	453	1	<0.01	5	320	12	<0.01	5	2
X843662		1.26	<10	<1	0.24	40	0.03	332	1	<0.01	4	200	8	0.01	4	1
X843663		1.30	<10	1	0.25	40	0.04	168	2	0.01	3	140	12	0.05	4	1
X843664		1.81	<10	<1	0.19	50	0.37	273	2	0.02	10	370	4	0.17	3	2
X843665		3.29	10	<1	0.98	30	1.15	420	2	0.03	23	530	6	0.14	<2	8
X843666		4.00	10	<1	1.04	40	1.33	447	3	0.03	39	670	5	0.34	2	6
X843667		3.08	<10	1	0.59	50	0.65	585	2	0.01	28	630	16	0.34	6	4
X843668		3.04	<10	1	0.33	40	0.22	539	2	<0.01	23	640	12	0.39	11	2
X843669		4.37	<10	<1	0.26	20	0.38	973	4	0.01	65	770	14	0.28	13	5
X843670		2.84	10	<1	0.20	10	1.57	493	4	0.32	156	410	10	0.08	<2	3
X843671		4.00	<10	1	0.35	20	0.70	686	4	0.01	54	1020	10	0.42	6	6
X843672		2.83	<10	<1	0.31	40	0.54	486	3	0.03	34	680	12	0.15	5	3
X843673		3.77	<10	1	0.27	30	0.33	769	4	0.01	47	810	34	0.25	26	5
X843674		3.32	<10	<1	0.48	20	1.02	830	2	0.02	51	910	21	0.22	2	6
X843675		3.00	<10	1	0.39	30	0.88	588	2	0.02	40	530	11	0.35	3	7
X843676		3.67	<10	<1	0.28	20	1.30	752	3	0.01	40	850	13	1.20	10	4
X843677		5.01	<10	1	0.35	20	1.83	934	11	0.04	40	700	117	1.63	9	11
X843678		5.13	<10	<1	0.80	20	1.90	875	2	0.03	30	520	22	0.80	<2	12
X843679		3.58	<10	1	0.84	30	1.70	706	2	0.04	10	290	6	0.14	<2	11
X843680		2.92	10	1	0.22	10	0.79	414	2	0.17	5	680	2	0.01	<2	3
X843681		5.24	10	<1	0.92	10	2.20	827	1	0.04	12	400	4	0.68	3	15
X843682		5.28	10	<1	1.52	10	1.75	1035	2	0.01	13	390	29	0.72	<2	14
X843683		5.37	10	<1	1.71	10	2.19	1090	3	0.01	13	130	76	1.18	4	17
X843684		5.29	10	1	1.75	10	2.20	1100	3	0.01	14	130	68	1.05	2	18
X843685		4.94	10	1	1.27	<10	2.89	939	2	0.03	11	180	7	0.22	4	15
X843686		3.54	<10	<1	1.25	30	1.44	590	1	0.03	8	290	6	0.04	8	11
X843687		3.16	<10	<1	0.79	30	1.04	434	1	0.05	8	280	5	0.12	5	8
X843688		4.08	10	<1	1.37	10	2.23	731	2	0.05	10	230	3	0.24	4	12
X843689		4.85	10	<1	1.61	10	2.49	916	1	0.02	11	280	4	0.36	9	22
X843690		7.64	10	1	0.62	10	2.82	1330	6	0.07	474	480	18	1.01	6	7
X843691		6.39	10	1	1.11	10	1.35	807	1	0.01	13	570	15	0.04	27	22



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CERTIFICATE OF ANALYSIS WH18163878

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
X843652		91	<20	0.07	<10	<10	21	<10
X843653		11	20	0.03	<10	<10	8	<10
X843654		13	20	0.04	<10	<10	8	<10
X843655		15	20	0.02	<10	<10	3	<10
X843656		29	20	0.07	<10	<10	21	<10
X843657		27	20	0.04	<10	<10	9	<10
X843658		46	30	0.02	<10	<10	10	<10
X843659		236	20	0.02	<10	<10	32	<10
X843660		73	<20	0.13	<10	<10	99	<10
X843661		24	20	<0.01	<10	<10	15	<10
X843662		37	20	<0.01	<10	<10	2	<10
X843663		13	30	<0.01	<10	<10	2	<10
X843664		31	30	0.01	<10	<10	16	<10
X843665		81	20	0.08	<10	<10	66	<10
X843666		81	20	0.09	<10	<10	59	<10
X843667		53	20	0.03	<10	<10	33	<10
X843668		85	20	<0.01	<10	<10	8	<10
X843669		212	<20	<0.01	<10	<10	30	<10
X843670		84	<20	0.10	<10	<10	73	<10
X843671		73	<20	0.02	<10	<10	69	<10
X843672		59	20	0.01	<10	<10	32	<10
X843673		82	<20	0.01	<10	<10	50	<10
X843674		349	<20	0.03	<10	<10	56	<10
X843675		224	<20	0.02	<10	<10	54	<10
X843676		420	<20	<0.01	<10	<10	20	<10
X843677		281	<20	0.01	<10	<10	53	30
X843678		146	<20	0.06	<10	<10	71	10
X843679		130	<20	0.06	<10	<10	67	<10
X843680		78	<20	0.14	<10	<10	105	<10
X843681		155	<20	0.08	<10	<10	101	<10
X843682		292	<20	0.05	<10	<10	80	<10
X843683		567	<20	0.07	10	<10	92	160
X843684		559	<20	0.07	<10	<10	94	130
X843685		155	<20	0.10	<10	<10	130	<10
X843686		59	<20	0.10	<10	<10	64	<10
X843687		54	<20	0.09	<10	<10	61	<10
X843688		121	<20	0.11	<10	<10	91	<10
X843689		179	<20	0.09	<10	<10	113	<10
X843690		70	<20	0.09	<10	<10	82	<10
X843691		56	<20	0.07	<10	<10	114	<10



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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
X843692		1.73	0.684	0.70	0.2	0.74	4880	10	1090	1.4	<2	0.43	<0.5	25	20	36
X843693		2.35	4.45	4.43	0.7	0.70	2820	10	630	1.0	<2	2.80	<0.5	15	29	21
X843694		2.19	0.052		<0.2	0.72	230	<10	390	0.7	2	3.42	<0.5	22	39	33
X843695		1.84	0.025		<0.2	0.61	282	<10	210	0.9	<2	4.20	<0.5	14	31	8
X843696		1.68	0.014		<0.2	0.72	166	<10	140	1.2	3	3.39	<0.5	15	43	12
X843697		2.11	0.568	0.31	<0.2	0.64	1845	10	250	1.4	<2	3.20	<0.5	12	23	21
X843698		2.09	0.937	0.65	<0.2	0.72	1650	10	140	1.3	<2	5.22	<0.5	18	19	29
X843699		1.86	0.015		<0.2	0.62	116	<10	500	0.6	<2	2.97	<0.5	6	9	15
X843700		0.06	0.011		<0.2	1.47	2	<10	120	<0.5	<2	0.84	<0.5	8	9	89
X843701		2.33	0.011		<0.2	2.36	54	10	820	1.9	<2	4.35	<0.5	20	25	19
X843702		2.72	0.009		<0.2	1.29	133	<10	290	1.5	<2	4.19	<0.5	21	25	24
X843703		2.30	0.076		<0.2	1.11	723	<10	440	1.4	<2	4.18	<0.5	21	62	25
X843704		2.49	0.136		<0.2	0.80	1105	10	600	1.1	<2	3.25	<0.5	13	24	14
X843705		2.47	1.100	0.73	<0.2	0.74	1630	<10	220	1.0	<2	2.64	<0.5	18	26	21
X843706		2.02	0.009		<0.2	1.16	49	<10	200	1.1	<2	2.10	<0.5	14	45	14
X843707		1.90	0.003		<0.2	1.10	19	<10	210	1.0	<2	1.79	<0.5	15	47	16
X843708		2.15	0.006		<0.2	1.55	100	<10	180	1.3	<2	1.34	<0.5	14	54	9
X843709		3.02	0.028		<0.2	1.25	260	<10	150	1.1	<2	1.56	<0.5	14	41	14
X843710		0.06	1.150	0.97	0.2	3.01	30	<10	120	<0.5	<2	2.07	<0.5	14	114	114
X843711		1.78	0.192		<0.2	1.01	892	<10	160	1.0	<2	1.59	<0.5	16	39	29
X843712		2.50	0.005		<0.2	1.45	56	<10	210	0.9	<2	1.48	<0.5	14	60	20
X843713		1.79	0.007		<0.2	1.52	80	<10	170	0.5	<2	0.94	<0.5	15	57	30
X843714		2.36	0.018		<0.2	2.02	102	<10	330	0.6	<2	0.45	<0.5	15	75	13
X843715		2.13	0.001		<0.2	1.57	20	<10	240	0.6	<2	1.49	<0.5	15	52	18
X843716		1.92	0.002		<0.2	1.82	16	<10	180	<0.5	<2	0.76	<0.5	15	66	18
X843717		1.62	0.001		<0.2	1.85	13	<10	220	0.5	<2	0.85	<0.5	15	66	17
X843718		2.28	0.003		<0.2	1.17	22	<10	160	0.8	<2	1.78	<0.5	14	39	23
X843719		1.83	0.003		<0.2	1.65	34	<10	150	1.2	2	1.99	<0.5	17	58	17
X843720		0.06	0.016		<0.2	1.51	2	<10	130	<0.5	<2	0.87	<0.5	9	9	93
X843721		2.64	0.001		<0.2	0.76	21	<10	70	0.6	2	1.54	<0.5	8	21	16
X843722		1.37	<0.001		<0.2	1.37	17	<10	190	0.6	<2	2.64	<0.5	16	62	18
X843723		2.22	<0.001		<0.2	1.68	9	<10	410	<0.5	<2	2.90	<0.5	18	68	20
X843724		2.77	<0.001		<0.2	1.56	11	<10	200	<0.5	2	1.39	<0.5	14	56	19
X843725		1.75	<0.001		<0.2	1.86	6	<10	330	<0.5	<2	2.20	<0.5	15	72	11
X843726		2.30	<0.001		<0.2	1.71	7	<10	280	<0.5	<2	3.30	<0.5	16	71	15
X843727		2.28	<0.001		<0.2	0.66	27	<10	60	<0.5	<2	1.06	<0.5	9	18	10
X843728		2.40	<0.001		<0.2	1.02	14	<10	120	<0.5	<2	1.17	<0.5	13	48	8
X843729		2.24	<0.001		<0.2	1.60	17	<10	250	0.6	<2	1.77	<0.5	16	61	19
X843730		0.06	9.22	4.53	5.6	1.85	38	<10	170	<0.5	2	1.09	3.0	14	31	1760
X843731		1.81	0.003		<0.2	1.39	32	<10	180	1.0	<2	1.30	<0.5	12	39	17



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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
X843692		5.53	<10	1	0.29	10	0.14	1180	2	<0.01	23	280	14	0.04	79	12
X843693		3.53	<10	1	0.22	10	1.02	481	1	0.01	36	70	14	0.17	21	8
X843694		3.61	<10	1	0.15	10	1.36	429	1	0.01	43	70	7	0.56	12	6
X843695		3.13	<10	<1	0.16	20	1.43	416	1	0.01	40	160	5	0.32	19	4
X843696		3.11	<10	<1	0.17	20	1.09	405	1	0.02	51	310	5	0.26	7	5
X843697		2.95	<10	<1	0.25	20	1.29	437	1	0.02	37	300	9	1.21	23	5
X843698		4.13	<10	<1	0.16	10	1.70	817	1	0.02	15	120	10	0.69	22	18
X843699		1.99	<10	<1	0.13	30	0.69	376	1	0.01	5	30	10	0.08	9	5
X843700		2.66	<10	<1	0.20	10	0.70	363	2	0.16	4	620	2	0.01	<2	2
X843701		5.24	10	<1	1.42	10	2.79	816	<1	0.03	10	330	7	0.23	11	31
X843702		4.62	<10	<1	0.33	10	1.08	786	1	0.02	24	300	10	0.20	13	23
X843703		2.95	<10	<1	0.37	20	1.55	585	1	0.02	124	290	9	0.18	9	10
X843704		2.77	<10	<1	0.33	20	0.78	426	1	0.02	33	330	7	0.36	7	5
X843705		3.65	<10	<1	0.37	20	1.16	597	1	0.02	38	390	10	1.24	7	4
X843706		3.25	<10	<1	0.56	30	1.09	425	2	0.03	39	460	6	0.27	4	7
X843707		3.26	<10	<1	0.63	30	1.26	466	2	0.04	42	430	3	0.26	2	6
X843708		3.44	10	<1	0.74	30	0.79	503	1	0.03	42	450	5	0.01	7	9
X843709		3.65	<10	<1	0.49	30	0.52	346	1	0.02	43	410	4	0.05	7	6
X843710		2.99	10	<1	0.22	10	1.34	409	4	0.36	125	370	11	0.05	<2	3
X843711		3.49	<10	<1	0.49	30	0.41	509	1	0.01	46	400	5	0.07	11	6
X843712		3.43	<10	<1	0.82	30	0.94	434	1	0.03	44	440	3	0.13	5	7
X843713		3.46	10	<1	0.71	30	0.83	484	1	0.03	44	410	5	0.18	2	7
X843714		3.73	10	<1	1.14	30	1.26	557	1	0.05	49	460	3	0.05	5	8
X843715		3.55	10	<1	0.97	30	1.09	442	1	0.04	42	420	9	0.24	2	6
X843716		3.33	10	<1	0.96	30	1.35	391	1	0.04	49	420	3	0.16	<2	6
X843717		3.43	10	<1	1.17	30	1.33	441	1	0.04	47	450	4	0.15	<2	6
X843718		2.97	<10	<1	0.70	20	1.06	393	1	0.03	37	350	5	0.31	3	6
X843719		3.88	10	<1	0.96	20	1.27	473	1	0.02	42	360	6	0.39	14	8
X843720		2.71	<10	<1	0.20	10	0.72	367	2	0.16	4	630	3	0.01	<2	2
X843721		2.03	<10	<1	0.44	30	0.65	270	2	0.03	18	250	3	0.38	2	2
X843722		3.30	10	<1	0.84	30	1.31	483	2	0.05	32	400	5	0.49	<2	7
X843723		3.61	10	<1	1.07	20	1.72	499	1	0.05	37	510	4	0.42	<2	7
X843724		3.31	10	<1	1.09	30	1.20	442	2	0.05	40	460	3	0.34	<2	6
X843725		3.46	10	<1	1.09	10	1.80	458	2	0.07	35	720	2	0.35	<2	8
X843726		3.33	10	<1	0.88	30	1.45	440	1	0.05	42	510	2	0.34	<2	8
X843727		1.71	<10	<1	0.30	50	0.43	155	2	0.05	10	290	<2	0.52	<2	2
X843728		2.57	<10	<1	0.64	40	0.88	259	2	0.05	34	300	3	0.39	<2	5
X843729		3.32	10	<1	1.13	40	1.42	408	1	0.03	48	400	7	0.28	<2	8
X843730		3.77	<10	<1	0.23	10	0.92	602	24	0.21	165	570	312	0.43	6	3
X843731		2.81	<10	<1	0.87	30	0.89	369	2	0.02	33	330	5	0.22	<2	7



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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
X843692		62	<20	<0.01	<10	<10	40	<10
X843693		130	<20	<0.01	<10	<10	37	<10
X843694		127	<20	<0.01	<10	<10	36	<10
X843695		122	<20	<0.01	<10	<10	27	<10
X843696		80	<20	<0.01	<10	<10	32	<10
X843697		88	<20	<0.01	<10	<10	22	<10
X843698		126	<20	<0.01	<10	10	79	<10
X843699		73	<20	<0.01	<10	<10	21	<10
X843700		67	<20	0.12	<10	<10	96	<10
X843701		116	<20	0.10	<10	<10	152	<10
X843702		71	<20	0.03	<10	<10	115	<10
X843703		128	<20	0.02	<10	<10	48	<10
X843704		121	<20	0.01	<10	<10	29	<10
X843705		130	<20	0.01	<10	<10	21	<10
X843706		58	<20	0.04	<10	<10	35	<10
X843707		55	<20	0.05	<10	<10	39	<10
X843708		52	<20	0.05	<10	<10	45	<10
X843709		42	<20	0.03	<10	<10	35	<10
X843710		95	<20	0.11	<10	<10	73	<10
X843711		36	<20	0.03	<10	<10	34	<10
X843712		64	<20	0.07	<10	<10	41	<10
X843713		54	<20	0.05	<10	<10	38	<10
X843714		52	<20	0.09	<10	<10	53	<10
X843715		224	<20	0.09	<10	<10	42	<10
X843716		56	<20	0.08	<10	<10	42	<10
X843717		63	<20	0.11	<10	<10	49	<10
X843718		79	<20	0.05	<10	<10	33	<10
X843719		89	<20	0.09	<10	<10	49	<10
X843720		69	<20	0.12	<10	<10	98	<10
X843721		64	20	0.03	<10	<10	14	<10
X843722		113	<20	0.07	<10	<10	48	<10
X843723		108	<20	0.14	<10	<10	59	<10
X843724		48	<20	0.13	<10	<10	44	<10
X843725		57	<20	0.14	<10	<10	77	<10
X843726		146	<20	0.09	<10	<10	55	<10
X843727		39	30	0.02	<10	<10	10	<10
X843728		34	20	0.06	<10	<10	35	<10
X843729		66	<20	0.11	<10	<10	55	<10
X843730		84	<20	0.14	<10	<10	95	<10
X843731		42	<20	0.08	<10	<10	39	<10



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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
X843732		1.39	<10	<1	0.33	40	0.37	196	2	<0.01	11	210	4	0.13	<2
X843733		2.32	<10	<1	0.43	20	0.89	299	1	<0.01	27	240	4	0.31	2
X843734		2.42	<10	<1	0.38	20	0.81	408	1	0.02	28	370	6	0.12	2
X843735		2.99	<10	<1	0.36	20	1.01	449	1	0.02	40	370	2	0.16	<2
X843736		3.14	<10	<1	0.17	20	1.02	473	2	0.01	42	180	26	0.14	4
X843737		3.48	<10	<1	0.39	30	0.93	498	2	0.01	41	410	13	0.24	2
X843738		2.51	<10	<1	0.27	20	0.94	365	3	<0.01	27	300	12	1.37	7
X843739		1.91	<10	<1	0.29	40	0.52	334	2	<0.01	9	330	22	0.85	8
X843740		2.72	<10	<1	0.20	10	0.73	377	2	0.16	5	640	2	<0.01	<2
X843741		1.18	<10	<1	0.20	30	0.17	198	2	<0.01	6	200	12	0.05	5
X843742		1.70	<10	<1	0.21	30	0.52	310	2	<0.01	7	350	11	0.19	21
X843743		2.02	<10	1	0.24	20	1.13	462	2	<0.01	11	300	13	0.69	26
X843744		2.02	<10	1	0.25	20	0.24	397	2	<0.01	10	190	15	0.13	35
X843745		2.00	<10	1	0.23	30	0.45	291	2	<0.01	8	270	19	0.28	29
X843746		2.04	<10	<1	0.40	30	0.39	579	1	0.01	9	470	12	0.14	16
X843747		1.86	<10	<1	0.54	40	0.45	282	1	0.04	9	380	8	0.04	3
X843748		2.31	<10	<1	0.55	30	0.41	347	2	0.02	8	610	12	0.01	5
X843749		2.67	<10	<1	0.94	30	0.93	482	1	0.02	26	450	10	<0.01	6
X843750		1.07	<10	<1	0.39	10	3.57	224	3	0.02	22	280	8	0.02	27
X843751		2.03	<10	<1	0.58	30	0.60	353	2	0.04	6	540	5	<0.01	2



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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
X843732		40	30	0.02	<10	<10	12	<10
X843733		79	<20	0.03	<10	<10	22	<10
X843734		54	<20	0.03	<10	<10	27	<10
X843735		61	<20	0.03	<10	<10	33	<10
X843736		73	<20	<0.01	<10	<10	27	<10
X843737		51	<20	0.03	<10	<10	29	<10
X843738		135	<20	<0.01	<10	<10	12	<10
X843739		98	20	<0.01	<10	<10	5	<10
X843740		74	<20	0.13	<10	<10	98	<10
X843741		33	20	<0.01	<10	<10	4	<10
X843742		56	20	<0.01	<10	<10	14	<10
X843743		128	<20	<0.01	<10	<10	15	<10
X843744		71	<20	<0.01	<10	10	6	<10
X843745		65	20	<0.01	<10	<10	5	<10
X843746		41	<20	0.02	<10	<10	24	<10
X843747		25	20	0.04	<10	<10	17	<10
X843748		31	20	0.04	<10	<10	24	<10
X843749		69	20	0.08	<10	<10	42	<10
X843750		160	<20	0.02	<10	<10	53	20
X843751		43	20	0.05	<10	<10	20	<10



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CERTIFICATE COMMENTS

LABORATORY ADDRESSES

Applies to Method:	Processed at ALS Whitehorse located at 78 Mt. Sima Rd, Whitehorse, YT, Canada.			
	BAG-01	CRU-31	CRU-QC	LOG-21
	LOG-23	PUL-32m	PUL-QC	SPL-21
	WEI-21			
Applies to Method:	Processed at ALS Vancouver located at 2103 Dollarton Hwy, North Vancouver, BC, Canada.			
	Au-AA13	Au-ICP21	ME-ICP41	