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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: 31-JUL-2018
Account: KAMGOL

CERTIFICATE VA18171824

Project: Coffee

P.O. No.: KGC-18-1309

This report is for 92 Percussion samples submitted to our lab in Whitehorse, YT,
Canada on 13-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 VA18171824

Sample Description	Method Analyte Units LOD	WEI-21 Recvd Wt. kg	Au-ICP21 Au ppm	Au-AA13 Au ppm	ME-ICP41 Ag ppm	ME-ICP41 Al %	ME-ICP41 As ppm	ME-ICP41 B ppm	ME-ICP41 Ba ppm	ME-ICP41 Be ppm	ME-ICP41 Bi ppm	ME-ICP41 Ca %	ME-ICP41 Cd ppm	ME-ICP41 Co ppm	ME-ICP41 Cr ppm	ME-ICP41 Cu ppm
		0.02	0.001	0.03	0.2	0.01	2	10	10	0.5	2	0.01	0.5	1	1	1
X843853		2.44	0.003		<0.2	2.06	36	<10	770	0.6	<2	1.33	<0.5	14	93	23
X843854		1.22	<0.001		<0.2	2.01	21	<10	390	<0.5	2	2.32	<0.5	17	111	34
X843855		0.96	0.001		<0.2	1.89	43	<10	240	1.4	2	4.91	<0.5	15	138	17
X843856		1.30	0.004		<0.2	0.76	74	<10	120	1.1	2	4.12	<0.5	12	19	44
X843857		1.14	0.003		<0.2	0.64	64	<10	110	0.6	2	1.13	<0.5	10	7	46
X843858		2.00	0.002		<0.2	0.78	53	<10	90	0.9	<2	3.55	<0.5	12	52	18
X843859		1.98	<0.001		<0.2	1.18	22	<10	2880	0.7	2	4.24	<0.5	13	197	11
X843860		0.10	0.001		<0.2	1.56	<2	<10	130	<0.5	2	0.89	<0.5	8	10	90
X843861		1.84	0.001		<0.2	1.34	39	<10	2090	0.6	2	4.18	<0.5	14	141	9
X843862		1.56	0.030		<0.2	1.23	1275	<10	400	1.1	<2	5.12	<0.5	18	164	20
X843863		2.00	0.002		<0.2	2.09	65	<10	880	0.9	<2	3.91	<0.5	20	193	27
X843864		2.10	0.001		<0.2	1.48	32	<10	2840	0.5	<2	3.72	<0.5	21	114	21
X843865		0.88	<0.001		<0.2	2.31	9	<10	2230	<0.5	2	3.83	<0.5	29	276	10
X843866		2.12	<0.001		<0.2	2.73	5	<10	1510	0.5	<2	3.82	<0.5	32	285	16
X843867		2.12	0.001		<0.2	3.14	21	<10	1340	1.0	<2	7.9	<0.5	35	292	49
X843868		1.80	0.180		0.2	1.23	1015	<10	180	1.2	<2	5.02	<0.5	18	113	26
X843869		2.20	0.018		0.3	0.59	588	<10	650	0.8	<2	4.23	<0.5	10	16	13
X843870		0.10	5.99	5.76	1.0	2.48	516	<10	110	<0.5	2	2.03	<0.5	43	807	96
X843871		2.32	0.011		0.2	0.81	227	<10	190	1.0	<2	7.2	<0.5	11	22	15
X843872		2.26	0.893	0.93	0.2	0.79	1700	<10	140	0.9	<2	2.16	<0.5	11	18	16
X843873		1.94	0.174		<0.2	0.99	527	<10	150	0.9	<2	2.18	<0.5	10	20	13
X843874		1.86	0.926	0.93	0.5	0.68	2790	10	160	1.0	2	0.30	<0.5	11	20	26
X843875		2.12	0.389	0.38	0.2	0.63	2110	<10	150	1.0	<2	0.75	<0.5	11	17	17
X843876		2.04	0.261		0.2	0.71	1045	<10	100	0.9	<2	2.11	<0.5	12	23	36
X843877		1.80	3.22	3.33	0.3	0.64	1230	<10	130	1.1	<2	2.36	<0.5	11	19	11
X843878		2.16	0.140		0.2	0.54	1370	<10	3200	1.1	3	9.3	<0.5	11	23	12
X843879		2.26	0.047		0.2	0.73	270	<10	990	1.1	<2	7.4	<0.5	18	148	29
X843880		0.08	0.001		0.2	1.49	3	<10	120	<0.5	<2	0.92	<0.5	9	10	89
X843881		2.74	0.008		<0.2	1.10	95	<10	350	1.5	2	4.11	<0.5	29	58	35
X843882		2.20	0.021		0.2	1.56	37	<10	490	1.1	4	3.49	<0.5	15	40	30
X843883		1.86	2.26	2.26	0.3	0.79	4080	<10	280	0.9	<2	2.03	<0.5	12	22	31
X843884		2.56	5.90	5.80	0.9	0.64	>10000	10	110	1.3	<2	2.01	<0.5	15	22	21
X843885		2.30	0.325	0.32	0.2	0.83	3160	<10	220	1.7	<2	6.55	<0.5	20	63	39
X843886		2.60	0.022		<0.2	1.16	185	<10	360	1.8	<2	7.1	<0.5	22	33	25
X843887		2.16	1.410	1.41	0.2	0.82	1235	<10	110	1.5	<2	4.31	<0.5	17	18	16
X843888		2.48	0.008		<0.2	1.13	132	<10	190	1.5	3	5.69	<0.5	17	132	23
X843889		2.44	0.004		<0.2	1.94	29	<10	270	1.1	<2	3.00	<0.5	12	40	22
X843890		0.10	0.143		0.3	0.73	77	<10	260	0.5	<2	13.3	0.7	5	17	9
X843891		2.34	0.008		<0.2	2.04	48	<10	380	1.0	<2	3.11	<0.5	13	58	28
X843892		2.46	0.002		<0.2	2.72	18	<10	700	1.1	<2	4.37	<0.5	21	68	28



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CERTIFICATE OF ANALYSIS VA18171824

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
X843853		2.62	10	<1	1.18	30	1.46	437	1	0.05	43	550	9	0.03	<2	9
X843854		2.58	10	<1	1.02	10	1.56	344	1	0.07	53	180	4	0.05	<2	7
X843855		2.29	10	<1	0.89	10	1.00	564	1	0.03	59	280	7	0.01	<2	12
X843856		1.69	<10	<1	0.28	20	0.28	295	1	0.01	21	190	7	0.02	3	5
X843857		1.34	<10	<1	0.24	30	0.24	236	1	0.01	10	190	7	0.04	3	1
X843858		1.55	<10	<1	0.14	10	0.46	333	1	<0.01	33	180	12	0.03	2	12
X843859		1.81	<10	<1	0.80	10	1.14	322	1	0.01	46	130	8	0.10	2	10
X843860		2.66	<10	<1	0.21	10	0.71	357	2	0.17	5	600	4	0.02	<2	2
X843861		1.90	<10	<1	0.90	10	1.30	381	1	0.03	45	250	3	0.09	<2	9
X843862		2.40	<10	1	0.57	10	1.30	489	1	0.02	84	190	4	0.05	4	12
X843863		2.92	10	<1	1.41	10	1.92	539	1	0.03	66	220	3	0.07	<2	11
X843864		2.16	<10	<1	1.19	10	1.67	481	2	0.01	48	110	5	0.10	<2	7
X843865		2.33	<10	<1	2.01	<10	2.86	438	1	0.01	74	30	4	0.09	<2	6
X843866		3.07	<10	<1	2.38	<10	3.74	553	1	0.02	87	50	3	0.08	<2	10
X843867		4.25	10	<1	2.47	10	4.05	864	1	0.02	111	100	15	0.15	<2	25
X843868		2.69	<10	1	0.57	20	0.88	553	1	<0.01	52	220	17	<0.01	3	10
X843869		2.41	<10	1	0.25	30	0.20	516	1	<0.01	21	360	19	0.01	6	2
X843870		7.39	10	<1	0.60	10	2.74	1255	6	0.06	468	450	21	0.93	2	6
X843871		2.38	<10	<1	0.22	30	0.20	467	1	<0.01	24	430	18	<0.01	9	5
X843872		2.67	<10	2	0.30	30	0.13	488	1	<0.01	21	500	17	<0.01	21	4
X843873		2.56	<10	<1	0.38	30	0.23	487	1	<0.01	20	490	13	<0.01	18	4
X843874		3.59	<10	3	0.32	30	0.09	466	2	<0.01	25	370	20	<0.01	56	4
X843875		3.21	<10	3	0.28	30	0.09	535	1	<0.01	23	340	19	<0.01	44	4
X843876		3.04	<10	2	0.21	20	0.09	445	1	<0.01	25	320	21	<0.01	36	5
X843877		2.85	<10	1	0.29	30	0.11	540	1	<0.01	27	300	17	<0.01	23	4
X843878		3.07	<10	1	0.12	10	1.51	535	1	<0.01	28	210	14	0.09	10	5
X843879		3.35	<10	<1	0.05	10	1.50	653	1	<0.01	58	190	14	0.03	9	17
X843880		2.66	<10	<1	0.20	10	0.72	366	2	0.16	5	610	3	0.01	<2	2
X843881		5.44	<10	1	0.06	20	0.47	747	1	<0.01	48	980	21	0.01	6	25
X843882		3.58	<10	<1	0.75	30	0.82	549	1	<0.01	35	500	21	0.01	4	7
X843883		2.50	<10	2	0.27	30	0.13	376	1	<0.01	34	410	19	0.03	15	5
X843884		4.27	<10	5	0.29	20	0.47	665	1	<0.01	35	430	19	0.07	45	7
X843885		4.32	<10	3	0.20	10	1.45	968	1	<0.01	38	200	16	0.02	30	16
X843886		5.40	<10	2	0.25	10	1.40	1345	<1	<0.01	19	320	16	0.03	4	22
X843887		4.24	<10	<1	0.30	30	0.54	1120	1	<0.01	23	250	19	0.01	5	10
X843888		3.43	<10	<1	0.41	20	0.78	619	1	<0.01	73	390	16	<0.01	6	12
X843889		3.06	10	<1	1.10	30	0.87	398	1	<0.01	30	430	11	0.01	<2	7
X843890		1.01	<10	<1	0.38	10	3.47	211	3	0.02	22	260	11	0.03	23	3
X843891		2.71	10	<1	1.21	20	1.38	362	1	0.01	42	380	12	0.01	3	7
X843892		4.21	10	<1	1.66	20	2.08	930	1	0.01	35	380	14	0.01	2	15



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CERTIFICATE OF ANALYSIS VA18171824

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
X843853		51	<20	0.10	<10	<10	56	<10
X843854		87	<20	0.12	<10	<10	73	<10
X843855		81	<20	0.05	<10	<10	48	<10
X843856		47	<20	0.01	<10	<10	26	<10
X843857		28	20	<0.01	<10	<10	6	<10
X843858		60	<20	<0.01	<10	<10	53	<10
X843859		317	<20	0.04	<10	<10	44	<10
X843860		75	<20	0.12	<10	<10	94	<10
X843861		300	<20	0.05	<10	<10	56	<10
X843862		204	<20	0.02	<10	<10	44	<10
X843863		253	<20	0.10	<10	<10	73	<10
X843864		591	<20	0.04	<10	<10	50	<10
X843865		584	<20	0.05	<10	<10	53	<10
X843866		310	<20	0.06	<10	<10	65	<10
X843867		571	<20	0.06	<10	<10	90	<10
X843868		100	<20	0.01	<10	<10	34	<10
X843869		57	<20	<0.01	<10	<10	12	<10
X843870		68	<20	0.09	<10	<10	79	<10
X843871		62	20	<0.01	<10	<10	20	<10
X843872		34	20	0.01	<10	<10	21	<10
X843873		26	20	0.02	<10	<10	22	<10
X843874		38	<20	<0.01	<10	<10	41	<10
X843875		38	<20	<0.01	<10	<10	32	<10
X843876		42	<20	<0.01	<10	<10	29	<10
X843877		61	<20	<0.01	<10	<10	22	<10
X843878		154	<20	<0.01	<10	<10	23	<10
X843879		106	<20	<0.01	<10	<10	83	<10
X843880		70	<20	0.13	<10	<10	94	10
X843881		58	<20	0.01	<10	<10	132	<10
X843882		51	20	0.07	<10	<10	41	<10
X843883		46	20	<0.01	<10	<10	18	<10
X843884		134	<20	<0.01	10	10	19	<10
X843885		125	<20	<0.01	<10	<10	75	<10
X843886		104	<20	0.01	<10	<10	133	<10
X843887		76	<20	<0.01	<10	<10	44	<10
X843888		78	<20	0.03	<10	<10	61	<10
X843889		44	<20	0.12	<10	<10	35	<10
X843890		151	<20	0.02	<10	<10	50	10
X843891		49	20	0.09	<10	<10	32	<10
X843892		70	<20	0.13	<10	<10	90	<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
X843893		1.64	0.006		<0.2	1.49	79	<10	140	0.8	<2	2.63	<0.5	11	46	15
X843894		1.94	0.007		<0.2	1.26	109	<10	100	0.8	<2	0.18	<0.5	5	10	7
X843895		1.96	0.036		0.4	1.18	204	<10	90	0.8	2	0.11	1.0	5	10	17
X843896		1.94	0.002		<0.2	1.04	54	<10	110	0.8	<2	1.26	0.6	6	11	9
X843897		2.18	0.003		<0.2	1.14	41	<10	100	0.8	<2	1.49	<0.5	5	10	5
X843898		2.12	0.005		<0.2	0.76	194	<10	100	0.8	<2	1.90	<0.5	4	9	28
X843899		2.30	0.001		<0.2	0.60	171	<10	80	0.5	<2	0.40	<0.5	1	11	3
X843900		0.10	0.005		0.4	1.55	2	<10	130	<0.5	<2	0.93	<0.5	8	9	90
X843901		1.92	<0.001		<0.2	0.81	122	<10	110	0.5	<2	1.58	<0.5	4	12	5
X843902		1.96	0.001		<0.2	1.39	86	<10	180	1.1	<2	1.80	<0.5	7	13	6
X843903		1.74	<0.001		<0.2	1.02	60	<10	120	0.8	<2	2.78	<0.5	6	14	6
X843904		1.60	<0.001		<0.2	0.68	47	<10	90	0.8	<2	6.51	<0.5	6	10	6
X843905		2.06	<0.001		<0.2	0.88	57	<10	180	0.8	2	3.99	<0.5	7	11	3
X843906		1.68	0.002		<0.2	0.98	29	<10	150	0.8	<2	2.71	<0.5	6	12	4
X843907		2.60	0.001		<0.2	0.61	57	<10	90	0.8	<2	5.04	<0.5	5	9	4
X843908		1.68	<0.001		<0.2	0.55	27	<10	100	0.5	<2	4.59	<0.5	4	11	8
X843909		1.60	<0.001		<0.2	0.73	19	<10	100	0.5	<2	3.63	<0.5	5	11	4
X843910		0.10	0.751	0.68	0.3	2.77	4	<10	100	<0.5	<2	2.09	<0.5	15	102	171
X843911		2.12	<0.001		<0.2	0.79	126	<10	150	0.6	<2	4.15	<0.5	5	11	6
X843912		1.40	<0.001		<0.2	0.57	152	<10	130	0.6	<2	4.72	<0.5	5	10	5
X843913		1.44	<0.001		<0.2	0.58	147	<10	120	0.5	<2	3.21	<0.5	4	10	5
X843914		1.82	0.007		0.2	0.57	36	<10	100	0.7	<2	10.4	<0.5	3	8	5
X843915		1.06	0.001		<0.2	0.49	59	<10	120	0.5	<2	2.62	<0.5	4	10	6
X843916		2.06	0.001		<0.2	0.69	156	<10	160	0.6	<2	1.43	<0.5	5	11	4
X843917		1.88	0.004		<0.2	0.73	53	<10	200	0.6	<2	2.44	<0.5	6	12	6
X843918		2.20	<0.001		<0.2	0.85	8	<10	490	0.6	<2	2.13	<0.5	5	10	12
X843919		1.96	<0.001		<0.2	0.81	28	<10	60	0.7	<2	2.62	<0.5	4	11	10
X843920		0.10	0.001		0.2	1.60	2	<10	130	<0.5	<2	0.97	<0.5	9	10	93
X843921		0.84	<0.001		<0.2	0.76	76	<10	170	0.7	2	3.86	<0.5	5	8	5
X843922		1.50	<0.001		0.2	0.79	13	<10	80	0.6	<2	2.82	<0.5	6	12	6
X843923		1.50	<0.001		<0.2	0.75	17	<10	50	0.7	<2	4.18	<0.5	7	10	5
X843924		1.48	<0.001		<0.2	0.89	21	<10	1010	0.6	<2	2.36	<0.5	6	8	6
X843925		1.04	0.003		<0.2	1.34	6	<10	410	0.9	<2	2.84	<0.5	7	12	7
X843926		1.06	<0.001		<0.2	0.78	10	<10	190	0.8	<2	2.52	<0.5	5	13	8
X843927		1.30	0.002		0.2	0.96	157	<10	330	0.8	<2	3.49	<0.5	7	10	9
X843928		1.50	<0.001		<0.2	1.22	12	<10	170	0.9	<2	2.76	<0.5	6	12	15
X843929		1.40	<0.001		<0.2	0.96	18	<10	120	0.8	<2	2.40	<0.5	5	9	6
X843930		0.10	5.73	NSS	1.5	2.49	525	<10	110	<0.5	2	2.06	<0.5	44	793	100
X843931		1.78	<0.001		<0.2	1.16	11	<10	240	1.0	<2	3.04	<0.5	6	14	9
X843932		2.04	<0.001		0.2	1.50	6	<10	140	1.2	<2	2.87	<0.5	6	13	8



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CERTIFICATE OF ANALYSIS VA18171824

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
X843893		3.19	<10	1	0.87	40	0.95	1135	1	0.01	19	390	10	<0.01	5	7
X843894		3.68	<10	<1	0.62	60	0.33	839	1	0.01	5	320	27	<0.01	6	4
X843895		4.25	<10	<1	0.63	80	0.39	627	2	0.01	5	240	361	<0.01	5	4
X843896		3.24	<10	<1	0.51	60	0.25	798	2	0.01	5	360	24	<0.01	<2	4
X843897		2.54	<10	<1	0.50	50	0.30	649	1	<0.01	5	290	10	<0.01	4	5
X843898		2.89	<10	<1	0.31	40	0.17	550	1	<0.01	4	350	8	0.01	7	4
X843899		1.39	<10	<1	0.24	30	0.06	298	1	<0.01	3	70	6	<0.01	5	1
X843900		2.72	<10	<1	0.20	10	0.74	373	2	0.16	5	620	2	0.02	<2	2
X843901		1.23	<10	<1	0.27	30	0.10	323	1	<0.01	6	360	13	0.01	4	2
X843902		2.11	<10	<1	0.60	30	0.61	615	1	0.01	9	420	21	<0.01	5	5
X843903		1.75	<10	1	0.40	30	0.32	446	1	<0.01	8	420	13	0.01	<2	5
X843904		1.87	<10	1	0.19	20	0.96	499	1	<0.01	8	300	15	<0.01	<2	4
X843905		1.67	<10	<1	0.33	20	0.38	382	1	<0.01	8	380	11	0.01	2	5
X843906		1.61	<10	<1	0.43	30	0.34	356	1	0.01	7	380	10	0.01	<2	3
X843907		1.43	<10	1	0.21	20	0.76	468	1	<0.01	7	260	10	<0.01	<2	3
X843908		1.54	<10	<1	0.21	30	0.56	425	2	<0.01	6	240	8	0.01	<2	3
X843909		1.75	<10	<1	0.24	40	0.21	442	1	<0.01	6	350	8	0.01	<2	3
X843910		2.66	10	<1	0.19	10	1.48	449	3	0.30	149	390	11	0.07	<2	3
X843911		1.83	<10	<1	0.24	30	0.17	583	1	<0.01	7	280	11	0.01	3	3
X843912		1.79	<10	1	0.20	30	0.13	578	1	<0.01	7	230	12	0.01	4	2
X843913		1.47	<10	1	0.23	30	0.11	424	1	<0.01	5	270	7	<0.01	4	3
X843914		1.90	<10	<1	0.19	20	0.36	553	1	<0.01	5	140	8	<0.01	2	2
X843915		1.67	<10	<1	0.18	30	0.07	459	2	<0.01	5	330	7	0.01	2	4
X843916		1.52	<10	<1	0.26	30	0.06	581	2	<0.01	5	290	10	<0.01	5	3
X843917		1.71	<10	<1	0.30	30	0.31	491	2	<0.01	8	330	14	0.02	<2	2
X843918		2.04	<10	1	0.28	30	0.58	382	2	<0.01	5	400	12	0.08	<2	4
X843919		1.63	<10	<1	0.23	30	0.38	320	2	<0.01	6	350	10	0.03	<2	3
X843920		2.81	<10	1	0.21	10	0.76	379	2	0.17	5	630	2	0.01	<2	2
X843921		1.61	<10	<1	0.23	30	0.11	489	1	<0.01	4	260	15	0.01	5	3
X843922		1.78	<10	<1	0.24	40	0.60	378	1	<0.01	5	450	15	0.05	<2	3
X843923		2.46	<10	1	0.24	40	1.15	738	1	0.01	6	570	11	0.19	<2	4
X843924		1.56	<10	<1	0.25	30	0.63	438	1	<0.01	5	380	17	0.16	<2	3
X843925		2.32	<10	1	0.63	30	1.07	394	1	<0.01	8	390	17	0.14	2	6
X843926		1.77	<10	<1	0.21	30	0.73	321	1	<0.01	6	280	13	0.03	2	4
X843927		1.84	<10	<1	0.33	20	0.26	663	1	<0.01	6	310	11	0.02	3	3
X843928		1.63	<10	<1	0.62	20	0.44	415	2	<0.01	7	290	12	0.04	<2	3
X843929		1.33	<10	<1	0.44	20	0.45	426	1	<0.01	5	240	11	0.05	<2	3
X843930		7.51	10	<1	0.61	10	2.75	1240	5	0.06	478	460	21	0.95	2	6
X843931		1.71	<10	<1	0.73	20	0.81	528	2	0.01	8	300	13	0.09	<2	3
X843932		1.62	<10	<1	0.80	20	0.70	420	1	0.02	8	280	11	0.08	<2	3



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CERTIFICATE OF ANALYSIS VA18171824

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
X843893		29	20	0.06	<10	<10	37	<10
X843894		11	20	0.04	<10	<10	10	<10
X843895		12	20	0.04	<10	<10	9	<10
X843896		23	20	0.03	<10	<10	10	<10
X843897		20	20	0.03	<10	<10	9	<10
X843898		23	20	0.01	<10	<10	18	<10
X843899		9	30	<0.01	<10	<10	6	<10
X843900		72	<20	0.13	<10	<10	96	10
X843901		20	20	0.01	<10	<10	9	<10
X843902		25	20	0.04	<10	<10	14	<10
X843903		26	<20	0.02	<10	<10	14	<10
X843904		97	<20	<0.01	<10	<10	11	<10
X843905		39	<20	0.02	<10	<10	13	<10
X843906		29	<20	0.03	<10	<10	12	<10
X843907		62	<20	<0.01	<10	<10	9	<10
X843908		80	20	<0.01	<10	<10	10	<10
X843909		41	20	<0.01	<10	<10	11	<10
X843910		80	<20	0.10	<10	<10	67	<10
X843911		40	20	<0.01	<10	<10	11	<10
X843912		39	20	<0.01	<10	<10	9	<10
X843913		31	20	<0.01	<10	<10	7	<10
X843914		86	<20	<0.01	<10	<10	7	<10
X843915		27	20	<0.01	<10	<10	10	<10
X843916		22	20	<0.01	<10	<10	8	<10
X843917		40	20	<0.01	<10	<10	7	<10
X843918		40	20	0.01	<10	<10	12	<10
X843919		33	20	0.01	<10	<10	11	<10
X843920		75	<20	0.13	<10	<10	99	<10
X843921		36	20	<0.01	<10	<10	8	<10
X843922		43	20	<0.01	<10	<10	16	<10
X843923		78	20	<0.01	<10	<10	23	<10
X843924		56	20	0.01	<10	<10	11	<10
X843925		65	20	0.05	<10	<10	25	<10
X843926		55	20	0.01	<10	<10	22	<10
X843927		43	<20	0.02	<10	<10	12	<10
X843928		46	<20	0.05	<10	<10	10	<10
X843929		43	<20	0.02	<10	<10	8	<10
X843930		69	<20	0.09	<10	<10	79	<10
X843931		59	<20	0.05	<10	<10	11	<10
X843932		57	<20	0.05	<10	<10	11	<10



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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	ME-ICP41
		Recvd Wt.	Au	Au	Ag	Al	As	B	Ba	Be	Bi	Ca	Cd	Co	Cr	Cu
		kg	ppm	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	1
X843933		1.66	0.003		0.2	1.22	35	<10	140	1.1	2	3.32	<0.5	6	15	28
X843934		0.44	<0.001		<0.2	1.32	11	<10	350	0.8	<2	2.37	<0.5	7	14	10
X843935		0.66	<0.001		<0.2	1.16	5	<10	460	1.0	<2	3.10	<0.5	6	11	5
X843936		1.08	<0.001		<0.2	0.97	12	<10	290	0.7	<2	4.69	<0.5	5	11	4
X843937		0.56	<0.001		<0.2	0.98	4	<10	420	0.6	<2	2.03	<0.5	4	13	3
X843938		0.78	0.004		<0.2	1.05	63	<10	100	1.0	2	2.31	<0.5	4	10	6
X843939		0.68	<0.001		<0.2	0.94	117	<10	70	0.9	<2	3.28	<0.5	7	10	6
X843940		0.08	0.002		<0.2	1.63	<2	<10	130	<0.5	<2	0.97	<0.5	9	10	98
X843941		0.54	<0.001		<0.2	0.83	44	<10	70	0.8	<2	5.31	<0.5	5	6	9
X843942		0.76	<0.001		<0.2	0.93	21	<10	110	0.8	<2	2.84	<0.5	6	10	5
X843943		1.54	0.879	0.88	0.4	0.62	2790	<10	150	1.1	2	0.29	<0.5	10	19	26
X843944		0.82	<0.001		<0.2	1.23	14	<10	120	1.1	<2	2.76	<0.5	6	14	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	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
X843933		1.92	<10	1	0.68	20	0.52	579	2	0.01	7	320	11	0.10	<2
X843934		1.87	<10	1	0.81	20	0.60	452	1	0.05	7	340	11	0.09	<2
X843935		1.61	<10	<1	0.65	20	0.59	462	1	0.02	5	310	13	0.13	<2
X843936		1.41	<10	1	0.55	40	0.41	473	1	0.01	5	330	18	0.05	<2
X843937		1.44	<10	<1	0.57	20	0.50	343	1	0.04	5	270	6	0.06	<2
X843938		1.29	<10	<1	0.34	20	0.21	229	1	<0.01	4	330	7	<0.01	2
X843939		1.85	<10	1	0.24	20	0.43	295	1	<0.01	6	350	10	<0.01	2
X843940		2.85	10	<1	0.21	10	0.77	388	2	0.17	5	660	4	<0.01	<2
X843941		2.13	<10	<1	0.28	20	1.86	555	9	0.01	7	300	16	<0.01	<2
X843942		1.61	<10	<1	0.38	30	0.53	341	6	<0.01	5	320	12	<0.01	<2
X843943		3.65	<10	3	0.29	30	0.10	481	2	<0.01	25	370	20	<0.01	42
X843944		1.64	<10	<1	0.70	20	0.69	425	2	0.02	7	290	11	0.07	<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	ppm	%	ppm	ppm	ppm	ppm
		1	20	0.01	10	10	1	10
X843933		65	20	0.05	<10	<10	13	<10
X843934		120	20	0.07	<10	<10	17	<10
X843935		77	20	0.04	<10	<10	12	<10
X843936		810	20	0.04	<10	<10	15	<10
X843937		63	20	0.04	<10	<10	11	<10
X843938		41	<20	0.02	<10	<10	10	<10
X843939		50	20	0.01	<10	<10	12	<10
X843940		76	<20	0.13	<10	<10	101	<10
X843941		102	<20	<0.01	<10	<10	7	<10
X843942		65	<20	0.02	<10	<10	12	<10
X843943		32	<20	<0.01	<10	<10	41	<10
X843944		54	<20	0.05	<10	<10	11	<10



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CERTIFICATE OF ANALYSIS VA18171824

CERTIFICATE COMMENTS

ANALYTICAL COMMENTS

Applies to Method: NSS is non-sufficient sample.
ALL METHODS

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