



ALS Canada Ltd.

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www.alsglobal.com/geochemistry

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

Page: 1
Total # Pages: 4 (A - C)
Plus Appendix Pages
Finalized Date: 25-OCT-2018
Account: KAMGOL

CERTIFICATE VA18245503

Project: Coffee

P.O. No.: KGC-18-1597

This report is for 100 Drill Core samples submitted to our lab in Whitehorse, YT, Canada on 1-OCT-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 VA18245503

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
Y420466		2.10	<0.001		<0.2	1.04	9	<10	240	<0.5	<2	0.19	<0.5	5	10	14
Y420467		1.82	<0.001		<0.2	0.89	2	<10	90	<0.5	<2	0.19	<0.5	3	7	2
Y420468		1.86	<0.001		<0.2	0.99	2	<10	110	<0.5	2	0.17	<0.5	5	10	13
Y420469		1.48	<0.001		<0.2	1.09	16	<10	170	0.6	<2	0.19	<0.5	6	21	7
Y420470		0.08	3.53	3.36	0.9	1.51	260	10	60	<0.5	<2	0.93	<0.5	7	34	67
Y420471		1.18	<0.001		<0.2	1.83	25	<10	290	<0.5	<2	0.37	<0.5	15	34	18
Y420472		1.36	<0.001		<0.2	2.56	7	<10	270	<0.5	<2	0.42	<0.5	18	94	39
Y420473		2.14	<0.001		<0.2	0.68	7	<10	110	1.1	<2	0.20	<0.5	4	13	7
Y420474		2.12	<0.001		<0.2	1.07	2	<10	120	<0.5	<2	0.24	<0.5	5	12	11
Y420475		1.20	<0.001		<0.2	2.44	2	<10	240	<0.5	<2	0.56	<0.5	14	96	8
Y420476		1.62	<0.001		<0.2	2.95	3	<10	380	0.6	<2	1.58	<0.5	19	155	13
Y420477		1.48	<0.001		<0.2	0.92	3	<10	70	<0.5	<2	0.35	<0.5	3	9	6
Y420478		2.02	<0.001		<0.2	3.14	3	<10	460	<0.5	<2	2.78	<0.5	20	152	27
Y420479		1.82	<0.001		<0.2	2.15	4	<10	190	<0.5	<2	2.12	<0.5	14	78	17
Y420480		0.08	<0.001		<0.2	1.69	<2	<10	140	<0.5	<2	0.97	<0.5	10	23	95
Y420481		1.94	<0.001		<0.2	0.80	4	<10	110	<0.5	<2	0.65	<0.5	3	9	6
Y420482		1.72	<0.001		<0.2	0.83	9	<10	360	0.6	<2	1.84	<0.5	7	27	20
Y420483		1.82	<0.001		<0.2	0.68	7	<10	200	0.5	<2	1.07	<0.5	7	17	11
Y420484		1.72	<0.001		<0.2	1.00	8	<10	110	0.8	<2	1.39	<0.5	8	23	11
Y420485		0.96	<0.001		<0.2	0.85	24	<10	1350	0.9	<2	3.16	<0.5	15	59	14
Y420486		1.24	<0.001		<0.2	1.28	10	<10	130	1.6	<2	4.93	<0.5	19	66	20
Y420487		1.70	<0.001		<0.2	0.75	6	<10	60	0.6	2	0.62	<0.5	7	11	8
Y420488		2.30	<0.001		<0.2	0.66	5	<10	80	<0.5	<2	1.00	<0.5	5	12	5
Y420489		1.86	<0.001		<0.2	0.77	6	<10	80	<0.5	2	0.83	<0.5	6	15	4
Y420490		0.08	0.715	0.63	0.2	2.68	5	<10	90	<0.5	<2	1.97	<0.5	15	100	165
Y420491		1.74	<0.001		<0.2	0.83	7	<10	70	<0.5	<2	0.41	<0.5	4	9	6
Y420492		1.50	<0.001		<0.2	1.07	3	<10	90	<0.5	<2	0.43	<0.5	5	13	7
Y420493		1.58	<0.001		<0.2	0.84	4	<10	60	<0.5	<2	0.82	<0.5	4	10	2
Y420494		2.18	<0.001		<0.2	0.40	4	<10	40	<0.5	<2	1.32	<0.5	5	7	2
Y420495		2.06	<0.001		<0.2	0.52	5	<10	120	0.5	<2	0.43	<0.5	4	11	4
Y420496		1.98	<0.001		<0.2	0.37	5	<10	40	<0.5	2	1.34	<0.5	4	8	5
Y420497		2.08	<0.001		<0.2	0.59	6	<10	50	<0.5	<2	0.88	<0.5	4	7	5
Y420498		2.16	<0.001		<0.2	0.63	5	<10	60	0.5	2	1.40	<0.5	5	10	5
Y420499		2.28	<0.001		<0.2	0.81	4	<10	60	<0.5	<2	0.75	<0.5	4	9	2
Y420500		0.08	<0.001		<0.2	1.70	2	<10	140	<0.5	<2	0.97	<0.5	9	24	94
Y420501		2.30	<0.001		<0.2	0.63	5	<10	50	<0.5	<2	1.15	<0.5	4	8	3
Y420502		2.32	<0.001		<0.2	0.73	4	<10	70	<0.5	<2	0.93	<0.5	4	12	3
Y420503		2.04	<0.001		<0.2	0.74	6	<10	90	0.5	<2	0.59	<0.5	4	11	2
Y420504		2.56	<0.001		<0.2	0.56	24	<10	260	0.6	3	1.28	<0.5	5	7	7
Y420505		2.18	<0.001		<0.2	0.80	27	<10	100	0.7	<2	1.51	<0.5	4	9	3



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CERTIFICATE OF ANALYSIS VA18245503

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
Y420466		1.98	<10	<1	0.66	50	0.46	258	<1	0.04	5	430	7	0.01	2	2
Y420467		1.68	<10	<1	0.52	60	0.42	248	<1	0.06	3	380	5	<0.01	<2	2
Y420468		2.07	<10	<1	0.49	50	0.47	289	1	0.06	3	380	4	<0.01	<2	2
Y420469		2.10	<10	1	0.60	60	0.56	318	1	0.04	13	480	3	<0.01	<2	5
Y420470		9.35	<10	<1	0.31	10	0.77	295	5	0.06	21	610	10	0.70	<2	2
Y420471		3.03	10	1	0.55	40	1.14	554	1	0.03	25	710	4	<0.01	<2	6
Y420472		3.44	10	<1	0.78	30	2.25	612	1	0.07	72	650	4	<0.01	<2	11
Y420473		2.38	<10	1	0.43	40	0.41	433	<1	0.02	7	500	4	<0.01	<2	5
Y420474		2.00	10	1	0.60	50	0.58	339	<1	0.03	7	360	5	0.01	<2	2
Y420475		3.30	10	<1	0.90	40	1.92	512	<1	0.08	47	840	2	<0.01	<2	6
Y420476		3.67	10	1	1.46	30	2.64	670	<1	0.04	73	1130	2	0.01	<2	7
Y420477		1.76	<10	<1	0.30	50	0.48	424	<1	0.03	6	360	2	<0.01	<2	1
Y420478		3.69	10	<1	0.81	20	2.59	652	<1	0.14	85	810	3	0.04	<2	6
Y420479		2.98	10	<1	0.82	40	1.79	554	<1	0.05	50	730	2	0.01	<2	9
Y420480		3.28	<10	<1	0.22	10	0.76	445	5	0.19	12	550	3	0.01	<2	3
Y420481		1.91	10	1	0.55	60	0.39	301	1	0.03	5	330	3	<0.01	<2	2
Y420482		2.24	<10	<1	0.45	50	0.61	418	1	0.03	20	380	4	0.03	<2	4
Y420483		1.82	<10	<1	0.41	60	0.40	288	1	0.03	17	380	3	0.04	<2	3
Y420484		2.21	<10	<1	0.53	40	0.70	363	<1	0.03	21	460	5	0.04	<2	5
Y420485		3.13	<10	1	0.21	20	0.94	713	2	<0.01	55	540	7	0.12	<2	8
Y420486		4.04	<10	1	0.55	20	2.08	988	<1	0.01	63	890	7	0.02	<2	10
Y420487		2.09	<10	<1	0.48	60	0.42	273	1	0.03	10	370	4	0.08	<2	3
Y420488		1.87	<10	<1	0.38	60	0.38	311	1	0.05	7	370	4	0.18	<2	3
Y420489		1.94	<10	1	0.46	60	0.42	338	1	0.03	8	430	2	0.13	<2	3
Y420490		2.55	10	<1	0.18	10	1.40	445	3	0.29	146	380	11	0.07	<2	2
Y420491		1.73	<10	<1	0.45	50	0.34	253	<1	0.04	6	360	5	<0.01	<2	2
Y420492		1.91	<10	<1	0.74	50	0.57	317	1	0.04	8	380	3	<0.01	<2	2
Y420493		1.82	<10	1	0.47	60	0.44	332	1	0.04	6	350	4	0.06	<2	2
Y420494		2.09	<10	<1	0.22	60	0.33	440	1	0.04	5	340	6	0.13	<2	3
Y420495		1.94	<10	<1	0.34	60	0.16	303	1	0.04	4	330	4	0.01	<2	3
Y420496		1.77	<10	1	0.20	60	0.26	300	1	0.03	5	340	4	0.04	<2	2
Y420497		1.72	<10	<1	0.34	60	0.28	284	1	0.04	5	320	5	0.10	<2	2
Y420498		1.93	<10	<1	0.36	60	0.26	435	1	0.03	5	320	5	<0.01	<2	2
Y420499		1.85	<10	<1	0.51	60	0.41	318	1	0.03	5	330	4	0.04	<2	2
Y420500		3.30	10	<1	0.23	10	0.76	442	5	0.19	12	550	2	0.01	<2	3
Y420501		1.76	<10	<1	0.27	60	0.34	341	1	0.03	5	310	3	0.10	<2	2
Y420502		1.97	<10	<1	0.41	60	0.37	358	1	0.04	6	330	3	0.09	<2	2
Y420503		1.98	<10	1	0.55	60	0.43	311	1	0.04	5	330	4	0.04	<2	3
Y420504		1.98	<10	<1	0.35	60	0.42	363	2	0.02	5	310	4	0.11	<2	2
Y420505		1.88	<10	<1	0.45	50	0.59	307	1	0.02	7	310	4	0.05	<2	2



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CERTIFICATE OF ANALYSIS VA18245503

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
Y420466		14	20	0.09	<10	<10	13	<10
Y420467		18	30	0.08	<10	<10	11	<10
Y420468		21	20	0.06	<10	<10	12	<10
Y420469		22	30	0.06	<10	<10	28	<10
Y420470		37	<20	0.06	<10	<10	44	20
Y420471		24	20	0.05	<10	<10	55	<10
Y420472		48	20	0.09	<10	<10	82	<10
Y420473		32	20	0.06	<10	<10	33	<10
Y420474		19	20	0.08	<10	<10	14	<10
Y420475		52	20	0.14	<10	<10	75	<10
Y420476		51	20	0.19	<10	<10	99	<10
Y420477		13	30	0.05	<10	<10	10	<10
Y420478		103	<20	0.17	<10	<10	92	<10
Y420479		49	20	0.06	<10	<10	64	<10
Y420480		79	<20	0.15	<10	<10	94	<10
Y420481		34	30	0.06	<10	<10	14	<10
Y420482		106	20	0.04	<10	<10	28	<10
Y420483		52	30	0.04	<10	<10	19	<10
Y420484		42	20	0.05	<10	<10	33	<10
Y420485		92	<20	0.01	<10	<10	87	<10
Y420486		133	<20	0.04	<10	<10	99	<10
Y420487		20	30	0.05	<10	<10	18	<10
Y420488		32	30	0.04	<10	<10	12	<10
Y420489		26	30	0.05	<10	<10	12	<10
Y420490		76	<20	0.09	<10	<10	67	<10
Y420491		30	30	0.05	<10	<10	11	<10
Y420492		22	30	0.08	<10	<10	15	<10
Y420493		29	30	0.05	<10	<10	11	<10
Y420494		53	30	0.02	<10	<10	13	<10
Y420495		25	30	0.04	<10	<10	16	<10
Y420496		33	30	0.02	<10	<10	12	<10
Y420497		35	30	0.03	<10	<10	11	<10
Y420498		43	30	0.04	<10	<10	11	<10
Y420499		25	30	0.06	<10	<10	11	<10
Y420500		80	<20	0.15	<10	<10	95	<10
Y420501		51	30	0.02	<10	<10	9	<10
Y420502		41	30	0.04	<10	<10	13	<10
Y420503		28	30	0.06	<10	<10	21	<10
Y420504		40	30	0.03	<10	<10	10	<10
Y420505		49	20	0.03	<10	<10	9	<10



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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
Y420506		1.34	<0.001		<0.2	0.76	20	<10	90	1.1	<2	2.70	<0.5	8	11	4
Y420507		1.70	<0.001		<0.2	0.75	5	<10	80	0.5	<2	0.32	<0.5	4	7	4
Y420508		1.52	<0.001		<0.2	0.83	3	<10	100	0.5	<2	0.79	<0.5	3	9	4
Y420509		1.12	<0.001		<0.2	0.93	4	<10	80	0.5	<2	0.20	<0.5	3	9	2
Y420510		0.10	0.947	0.91	2.9	2.79	8	10	100	<0.5	<2	2.04	0.7	16	108	230
Y420511		0.78	<0.001		<0.2	0.89	4	<10	70	0.6	<2	0.70	<0.5	4	7	3
Y420512		1.70	<0.001		<0.2	1.29	7	<10	80	1.3	<2	5.55	<0.5	12	56	20
Y420513		2.44	<0.001		<0.2	0.90	6	<10	110	0.8	<2	3.56	<0.5	7	8	9
Y420514		1.02	<0.001		<0.2	1.41	7	<10	140	0.7	<2	2.39	<0.5	9	12	11
Y420515		0.92	<0.001		<0.2	1.61	8	<10	150	0.7	<2	1.71	<0.5	11	23	13
Y420516		1.98	0.001		<0.2	2.05	8	<10	160	1.0	<2	1.47	<0.5	14	36	17
Y420517		1.92	<0.001		<0.2	1.80	5	<10	170	0.7	<2	1.54	<0.5	16	84	21
Y420518		1.70	<0.001		<0.2	1.34	10	<10	250	0.6	<2	1.06	<0.5	10	30	17
Y420519		2.08	<0.001		<0.2	0.82	9	<10	100	<0.5	<2	0.88	<0.5	4	10	3
Y420520		0.12	<0.001		<0.2	1.83	<2	<10	140	<0.5	<2	1.05	<0.5	8	24	97
Y420521		1.66	<0.001		<0.2	0.76	11	<10	90	<0.5	<2	0.79	<0.5	4	8	3
Y420522		2.20	<0.001		<0.2	0.76	10	<10	80	<0.5	<2	1.15	<0.5	4	10	1
Y420523		1.70	<0.001		<0.2	0.78	8	<10	80	<0.5	<2	0.98	<0.5	4	9	1
Y420524		2.06	<0.001		<0.2	0.93	9	<10	100	<0.5	<2	0.74	<0.5	6	9	1
Y420525		1.58	<0.001		<0.2	0.80	11	<10	110	<0.5	<2	0.16	<0.5	4	10	2
Y420526		2.10	<0.001		<0.2	0.83	11	<10	90	<0.5	<2	0.27	<0.5	5	9	1
Y420527		2.22	<0.001		<0.2	0.85	7	<10	170	<0.5	<2	0.27	<0.5	4	8	2
Y420528		1.90	0.001		<0.2	0.90	6	<10	460	<0.5	<2	0.39	<0.5	5	12	2
Y420529		2.12	<0.001		<0.2	0.83	6	<10	110	<0.5	<2	0.48	<0.5	3	11	3
Y420530		0.08	0.142		<0.2	0.73	78	<10	270	0.5	<2	13.0	0.9	4	17	10
Y420531		1.88	<0.001		<0.2	1.44	7	<10	120	0.5	<2	1.64	<0.5	8	29	11
Y420532		1.52	<0.001		<0.2	0.94	9	<10	90	<0.5	<2	0.31	<0.5	4	11	3
Y420533		2.20	<0.001		<0.2	0.67	22	<10	70	<0.5	2	0.21	<0.5	3	10	3
Y420534		2.08	0.001		<0.2	0.75	9	<10	80	<0.5	<2	0.25	<0.5	3	8	3
Y420535		2.06	<0.001		<0.2	0.82	7	<10	180	0.6	<2	0.54	<0.5	4	10	3
Y420536		1.88	0.004		<0.2	0.69	37	<10	110	0.5	<2	0.87	<0.5	4	9	2
Y420537		2.08	<0.001		<0.2	0.66	9	<10	70	0.5	<2	0.97	<0.5	2	7	1
Y420538		2.26	<0.001		<0.2	0.88	27	<10	120	0.6	<2	0.84	<0.5	5	8	3
Y420539		1.20	0.001		<0.2	0.63	37	<10	100	0.5	2	1.15	<0.5	3	8	2
Y420540		0.10	<0.001		<0.2	1.80	<2	<10	140	<0.5	<2	1.02	<0.5	8	24	98
Y420541		1.36	0.003		<0.2	0.58	50	<10	80	0.5	<2	0.60	<0.5	3	7	2
Y420542		1.68	0.002		<0.2	0.64	70	<10	200	0.8	<2	1.57	<0.5	4	9	2
Y420543		2.18	<0.001		<0.2	0.73	11	<10	290	0.5	<2	1.18	<0.5	2	8	2
Y420544		2.04	0.007		<0.2	0.44	725	<10	670	0.5	<2	2.01	<0.5	3	4	2
Y420545		1.66	0.010		<0.2	0.54	419	<10	390	0.8	<2	1.01	<0.5	5	8	2



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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
Y420506		2.31	<10	<1	0.40	50	0.49	517	1	0.02	12	350	5	0.01	<2	2
Y420507		1.92	<10	<1	0.49	60	0.27	220	<1	0.03	5	340	5	<0.01	<2	2
Y420508		1.75	<10	<1	0.55	60	0.28	287	1	0.03	3	310	6	<0.01	<2	2
Y420509		1.83	<10	<1	0.62	60	0.35	282	<1	0.03	5	310	6	<0.01	<2	2
Y420510		3.15	10	<1	0.18	10	1.63	560	5	0.30	149	360	201	0.10	<2	3
Y420511		1.90	<10	<1	0.55	50	0.45	285	1	0.02	6	310	6	<0.01	<2	3
Y420512		2.95	<10	<1	0.56	30	1.56	641	1	0.01	30	550	7	0.08	<2	10
Y420513		2.25	<10	1	0.44	50	0.47	514	1	0.02	7	500	7	<0.01	<2	4
Y420514		2.31	<10	<1	1.00	50	0.94	567	1	0.02	6	710	10	<0.01	<2	3
Y420515		2.59	10	1	1.21	50	1.18	597	<1	0.03	8	740	6	<0.01	<2	3
Y420516		3.57	10	<1	1.50	30	1.82	662	1	0.03	13	930	4	<0.01	<2	5
Y420517		2.70	10	<1	0.98	20	1.67	482	<1	0.04	25	750	3	<0.01	<2	3
Y420518		2.52	10	<1	0.81	30	1.04	413	<1	0.04	13	760	4	<0.01	<2	4
Y420519		1.70	<10	<1	0.44	50	0.44	384	<1	0.04	5	370	5	<0.01	<2	2
Y420520		3.41	<10	1	0.23	10	0.79	453	5	0.21	11	550	4	0.01	<2	3
Y420521		1.61	<10	1	0.50	50	0.35	329	<1	0.04	5	370	5	<0.01	<2	2
Y420522		1.61	<10	<1	0.49	50	0.35	316	<1	0.04	4	350	5	<0.01	<2	2
Y420523		1.54	<10	1	0.53	50	0.35	367	1	0.03	4	370	6	<0.01	<2	2
Y420524		1.72	<10	<1	0.63	50	0.44	369	<1	0.04	5	410	4	<0.01	<2	2
Y420525		1.66	<10	<1	0.49	50	0.40	345	<1	0.04	5	360	3	<0.01	<2	2
Y420526		1.76	<10	2	0.51	50	0.45	354	<1	0.04	5	360	3	<0.01	<2	2
Y420527		1.75	<10	1	0.61	50	0.47	305	<1	0.04	5	380	3	<0.01	<2	2
Y420528		1.78	<10	1	0.65	50	0.48	308	<1	0.05	6	350	3	0.01	<2	1
Y420529		1.74	<10	1	0.59	50	0.44	305	<1	0.04	5	360	3	<0.01	<2	2
Y420530		1.01	<10	1	0.38	10	3.46	219	4	0.02	19	270	8	0.03	16	3
Y420531		2.38	<10	<1	0.57	40	1.11	477	<1	0.03	19	720	7	<0.01	<2	3
Y420532		1.92	<10	<1	0.58	40	0.58	322	<1	0.04	4	380	4	<0.01	<2	2
Y420533		1.78	<10	<1	0.32	50	0.39	249	<1	0.04	4	370	8	<0.01	<2	2
Y420534		1.79	<10	<1	0.37	60	0.44	291	<1	0.03	3	350	5	<0.01	<2	2
Y420535		1.97	<10	<1	0.55	60	0.41	292	<1	0.03	5	350	5	0.01	<2	3
Y420536		2.18	<10	<1	0.49	60	0.32	376	1	0.03	5	360	9	0.01	<2	2
Y420537		1.61	<10	1	0.45	60	0.32	248	4	0.04	4	330	5	0.09	<2	2
Y420538		1.75	<10	<1	0.59	50	0.33	360	1	0.02	4	340	6	0.03	<2	2
Y420539		1.25	<10	<1	0.41	50	0.19	291	1	0.02	5	380	15	<0.01	<2	1
Y420540		3.41	10	<1	0.23	10	0.79	448	5	0.21	11	550	4	0.01	<2	3
Y420541		1.48	<10	<1	0.37	50	0.18	278	<1	0.02	4	340	8	<0.01	2	1
Y420542		1.74	<10	<1	0.36	50	0.20	347	1	0.02	5	300	14	0.02	<2	2
Y420543		1.31	<10	<1	0.41	50	0.23	228	1	0.01	4	260	8	0.01	<2	2
Y420544		1.13	<10	<1	0.20	30	0.05	327	1	<0.01	3	110	20	0.01	3	<1
Y420545		1.57	<10	1	0.24	40	0.13	351	1	<0.01	6	240	14	0.02	2	1



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CERTIFICATE OF ANALYSIS VA18245503

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
Y420506		45	20	0.03	<10	<10	14	<10
Y420507		12	30	0.06	<10	<10	11	<10
Y420508		14	30	0.06	<10	<10	9	<10
Y420509		10	30	0.07	<10	<10	10	<10
Y420510		82	<20	0.11	<10	<10	68	<10
Y420511		27	30	0.06	<10	<10	14	<10
Y420512		178	<20	0.03	<10	<10	59	<10
Y420513		54	20	0.02	<10	<10	25	<10
Y420514		48	20	0.10	<10	<10	37	<10
Y420515		37	20	0.13	<10	<10	44	<10
Y420516		62	<20	0.18	<10	<10	77	<10
Y420517		85	<20	0.21	<10	<10	57	<10
Y420518		84	20	0.13	<10	<10	50	<10
Y420519		42	30	0.05	<10	<10	13	<10
Y420520		88	<20	0.16	<10	<10	97	<10
Y420521		19	30	0.05	<10	<10	10	<10
Y420522		28	30	0.05	<10	<10	9	<10
Y420523		16	30	0.05	<10	<10	8	<10
Y420524		22	20	0.07	<10	<10	9	<10
Y420525		12	30	0.05	<10	<10	9	<10
Y420526		13	30	0.06	<10	<10	10	<10
Y420527		22	30	0.07	<10	<10	12	<10
Y420528		25	20	0.08	<10	<10	10	<10
Y420529		19	20	0.07	<10	<10	10	<10
Y420530		152	<20	0.02	<10	<10	52	20
Y420531		67	20	0.05	<10	<10	27	<10
Y420532		14	20	0.06	<10	<10	13	<10
Y420533		14	30	0.04	<10	<10	12	<10
Y420534		19	30	0.04	<10	<10	12	<10
Y420535		33	30	0.06	<10	<10	14	<10
Y420536		28	30	0.05	<10	<10	13	<10
Y420537		32	20	0.04	<10	<10	10	<10
Y420538		24	30	0.04	<10	<10	8	<10
Y420539		29	30	0.03	<10	<10	6	<10
Y420540		85	<20	0.15	<10	<10	96	<10
Y420541		15	30	0.03	<10	<10	7	<10
Y420542		23	30	0.02	<10	<10	8	<10
Y420543		21	30	0.03	<10	<10	6	<10
Y420544		43	30	<0.01	<10	10	2	<10
Y420545		40	20	<0.01	<10	<10	6	<10



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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
Y420546		1.88	0.001		<0.2	0.89	19	<10	130	0.6	<2	2.14	<0.5	6	10	3
Y420547		2.20	<0.001		<0.2	0.65	11	<10	90	0.5	<2	1.49	<0.5	5	6	3
Y420548		1.30	<0.001		<0.2	0.77	13	<10	80	0.7	<2	2.58	<0.5	6	12	6
Y420549		1.32	0.001		<0.2	0.87	40	<10	90	1.0	<2	3.31	<0.5	9	25	16
Y420550		0.10	3.81	3.37	0.5	1.47	261	10	50	<0.5	2	0.92	<0.5	7	33	68
Y420551		1.50	0.001		<0.2	0.60	30	<10	70	<0.5	<2	1.42	<0.5	5	6	4
Y420552		2.40	<0.001		<0.2	0.47	2	<10	140	<0.5	<2	1.61	<0.5	2	7	3
Y420553		2.20	<0.001		<0.2	0.83	5	<10	130	<0.5	<2	2.04	<0.5	5	8	6
Y420554		2.38	<0.001		<0.2	0.86	6	<10	140	<0.5	<2	2.06	<0.5	6	8	9
Y420555		2.20	0.002		<0.2	1.58	6	<10	170	<0.5	<2	2.84	<0.5	10	12	22
Y420556		2.46	<0.001		<0.2	1.08	4	<10	150	<0.5	<2	1.74	<0.5	7	11	8
Y420557		1.94	<0.001		<0.2	2.56	5	<10	500	<0.5	<2	2.78	<0.5	15	43	18
Y420558		2.38	0.006		<0.2	0.86	7	<10	100	<0.5	<2	1.09	<0.5	5	9	7
Y420559		2.30	<0.001		<0.2	0.50	3	<10	110	<0.5	<2	1.67	<0.5	2	6	2
Y420560		0.10	<0.001		<0.2	1.60	<2	<10	130	<0.5	<2	0.91	<0.5	9	23	91
Y420561		2.24	<0.001		<0.2	1.09	5	<10	110	<0.5	<2	1.44	<0.5	7	22	6
Y420562		2.10	<0.001		<0.2	1.08	4	<10	130	<0.5	<2	1.81	<0.5	6	10	9
Y420563		1.98	0.001		<0.2	1.77	7	<10	130	1.0	<2	1.62	<0.5	12	99	15
Y420564		2.52	<0.001		<0.2	1.71	3	<10	230	0.5	<2	1.17	<0.5	12	55	14
Y420565		2.44	<0.001		<0.2	2.58	<2	<10	620	<0.5	<2	2.38	<0.5	17	80	27



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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
Y420546		1.63	<10	<1	0.57	50	0.59	440	<1	0.02	8	460	14	0.07	2	2
Y420547		1.44	<10	<1	0.47	60	0.54	315	1	0.03	6	330	9	0.18	<2	1
Y420548		1.80	<10	<1	0.50	50	0.84	423	1	0.02	15	360	7	0.13	<2	2
Y420549		2.18	<10	<1	0.52	40	0.91	465	1	0.02	27	500	9	0.15	<2	4
Y420550		9.18	10	<1	0.30	10	0.75	295	5	0.05	23	620	10	0.70	<2	2
Y420551		1.35	<10	<1	0.41	60	0.29	329	1	0.02	5	360	7	0.02	<2	1
Y420552		0.83	<10	<1	0.30	50	0.12	350	1	0.03	1	220	15	0.04	<2	1
Y420553		1.39	<10	<1	0.58	50	0.39	420	1	0.02	3	480	6	0.09	<2	2
Y420554		1.48	<10	<1	0.58	60	0.45	469	1	0.02	4	480	10	0.03	<2	2
Y420555		2.60	<10	<1	0.78	40	1.06	566	<1	0.02	10	900	11	0.07	<2	3
Y420556		1.77	<10	<1	0.69	50	0.62	438	1	0.02	6	570	7	0.02	<2	2
Y420557		3.12	10	<1	1.09	20	1.97	628	<1	0.06	44	950	10	0.02	<2	6
Y420558		1.56	<10	<1	0.59	50	0.45	374	<1	0.03	5	360	6	0.01	<2	1
Y420559		0.95	<10	<1	0.34	50	0.20	374	<1	0.03	2	230	10	0.02	<2	1
Y420560		3.21	<10	<1	0.22	<10	0.74	423	5	0.18	12	520	4	0.01	<2	3
Y420561		1.96	<10	<1	0.85	40	0.75	426	<1	0.03	7	480	5	0.02	<2	2
Y420562		1.69	<10	<1	0.58	40	0.60	464	<1	0.04	4	520	8	0.03	<2	2
Y420563		2.61	10	<1	1.39	40	1.64	522	1	0.03	23	580	4	<0.01	<2	4
Y420564		2.49	10	<1	1.12	30	1.54	419	<1	0.04	29	560	4	0.02	<2	2
Y420565		3.22	10	<1	1.07	10	2.36	583	<1	0.06	44	650	<2	0.04	<2	7

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



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CERTIFICATE OF ANALYSIS VA18245503

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