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

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Plus Appendix Pages  
Finalized Date: 1-NOV-2018  
Account: KAMGOL

**CERTIFICATE WH18241945**

Project: Coffee

P.O. No.: KGC-18-1602

This report is for 100 Drill Core samples submitted to our lab in Whitehorse, YT, Canada on 27-SEP-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 WH18241945**

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
Y420661		1.47	0.026		<0.2	0.47	793	<10	360	1.0	<2	0.08	<0.5	9	5	10
Y420662		1.56	0.013		<0.2	0.68	928	<10	180	1.3	2	0.09	<0.5	11	5	13
Y420663		2.03	0.005		<0.2	0.84	413	<10	80	1.0	3	0.10	<0.5	9	4	21
Y420664		2.31	0.001		<0.2	0.75	106	<10	70	0.5	3	0.09	<0.5	5	4	26
Y420665		2.10	0.004		<0.2	0.81	157	<10	60	0.6	<2	0.07	<0.5	4	4	9
Y420666		1.98	0.005		<0.2	0.78	211	<10	70	0.7	<2	0.09	<0.5	6	5	6
Y420667		1.89	<0.001		<0.2	0.98	125	<10	70	0.7	<2	0.13	<0.5	7	9	6
Y420668		1.77	<0.001		<0.2	0.56	98	<10	50	0.5	2	0.06	<0.5	3	3	2
Y420669		1.98	<0.001		<0.2	0.82	134	<10	70	0.7	2	0.13	<0.5	7	3	7
Y420670		0.06	0.156		<0.2	0.71	78	10	270	0.5	<2	13.0	0.9	4	17	10
Y420671		2.39	0.004		<0.2	0.59	27	<10	70	<0.5	<2	0.14	<0.5	4	8	3
Y420672		2.01	<0.001		<0.2	2.57	74	<10	420	1.1	<2	0.82	<0.5	27	66	33
Y420673		2.22	<0.001		0.4	2.21	60	<10	420	1.2	2	0.56	<0.5	18	54	20
Y420674		2.24	<0.001		<0.2	2.17	72	<10	380	0.7	<2	0.64	<0.5	15	2	11
Y420675		2.43	<0.001		<0.2	1.89	56	<10	350	0.5	<2	0.66	<0.5	12	2	14
Y420676		2.37	<0.001		<0.2	1.94	36	<10	380	0.5	2	0.85	<0.5	13	2	4
Y420677		2.35	<0.001		<0.2	1.98	50	<10	420	0.6	2	0.77	<0.5	18	4	13
Y420678		2.54	<0.001		<0.2	2.08	27	<10	510	0.5	2	0.70	<0.5	14	5	20
Y420679		2.52	<0.001		<0.2	2.32	25	<10	580	0.6	2	0.69	<0.5	18	7	26
Y420680		0.06	<0.001		<0.2	1.77	<2	<10	140	<0.5	<2	0.97	<0.5	10	26	100
Y420681		2.06	<0.001		<0.2	2.30	28	<10	550	0.6	<2	0.90	<0.5	21	118	12
Y420682		2.56	<0.001		<0.2	2.06	5	<10	960	0.8	4	3.31	<0.5	20	109	6
Y420683		2.52	<0.001		<0.2	2.03	5	<10	1720	0.5	<2	3.00	<0.5	15	200	8
Y420684		1.89	<0.001		<0.2	2.15	3	<10	510	0.7	2	5.19	<0.5	19	205	6
Y420685		1.65	<0.001		<0.2	0.32	33	<10	90	<0.5	2	0.80	<0.5	3	5	3
Y420686		1.18	<0.001		<0.2	0.69	83	<10	80	0.7	<2	0.10	<0.5	3	3	2
Y420687		2.26	<0.001		<0.2	0.50	52	<10	80	0.6	<2	0.12	<0.5	5	10	6
Y420688		2.12	0.001		<0.2	1.52	427	<10	160	2.1	<2	0.25	<0.5	14	50	40
Y420689		1.43	<0.001		<0.2	0.93	91	<10	60	1.3	<2	0.18	<0.5	19	74	21
Y420690		0.06	9.25	NSS	5.3	1.83	40	<10	170	<0.5	<2	1.05	3.2	14	31	1760
Y420691		1.79	<0.001		<0.2	0.69	94	<10	60	1.0	<2	0.08	<0.5	6	3	6
Y420692		1.01	0.003		<0.2	0.71	595	<10	200	2.3	2	0.12	<0.5	25	28	19
Y420693		1.73	0.017		<0.2	0.89	851	<10	190	3.9	<2	0.23	<0.5	53	310	32
Y420694		1.12	0.004		0.2	1.29	410	<10	270	2.2	2	0.18	<0.5	29	107	91
Y420695		1.08	0.006		0.2	1.05	430	<10	240	2.0	3	0.15	<0.5	21	73	103
Y420696		2.12	<0.001		0.2	0.52	687	<10	280	1.1	<2	0.07	<0.5	11	4	30
Y420697		2.28	0.006		<0.2	0.45	807	<10	120	1.2	<2	0.06	<0.5	4	7	10
Y420698		1.86	0.062		<0.2	0.92	471	<10	70	1.5	<2	0.11	<0.5	20	86	15
Y420699		1.94	0.321	0.33	0.5	0.54	3570	<10	140	2.8	2	0.20	0.6	12	30	15
Y420700		0.06	0.001		<0.2	1.76	<2	<10	140	<0.5	<2	1.02	<0.5	9	25	94



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**CERTIFICATE OF ANALYSIS WH18241945**

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
Y420661		1.73	<10	1	0.16	100	0.03	441	2	0.02	6	270	10	0.01	5	1
Y420662		2.96	<10	<1	0.13	80	0.04	400	3	0.01	9	440	8	<0.01	5	1
Y420663		2.03	<10	<1	0.22	70	0.11	178	2	0.03	6	370	9	<0.01	3	1
Y420664		1.25	<10	<1	0.31	20	0.18	136	2	0.03	2	280	22	<0.01	3	1
Y420665		1.21	<10	<1	0.32	30	0.17	104	4	0.01	3	180	5	<0.01	4	1
Y420666		1.50	<10	<1	0.29	20	0.17	168	3	0.01	3	290	3	<0.01	5	1
Y420667		1.41	<10	<1	0.40	30	0.32	156	1	0.03	4	290	2	<0.01	3	1
Y420668		1.00	<10	<1	0.23	20	0.16	86	1	0.04	2	200	3	<0.01	3	1
Y420669		1.17	<10	<1	0.32	30	0.25	165	1	0.03	5	270	5	<0.01	2	1
Y420670		1.05	<10	<1	0.36	10	3.42	213	3	0.02	18	260	9	0.03	20	3
Y420671		0.93	<10	<1	0.29	20	0.23	163	1	0.04	4	280	<2	<0.01	3	1
Y420672		3.02	<10	<1	1.29	30	2.31	579	<1	0.03	56	840	<2	<0.01	<2	4
Y420673		3.20	<10	<1	1.19	40	1.61	559	1	0.04	30	860	2	<0.01	2	5
Y420674		4.09	10	1	1.48	30	1.19	501	2	0.04	3	1610	2	<0.01	<2	3
Y420675		3.59	10	<1	1.27	40	1.04	390	1	0.04	2	1630	2	<0.01	<2	2
Y420676		3.46	10	<1	1.20	30	1.20	425	1	0.05	1	2020	3	<0.01	<2	2
Y420677		3.90	10	<1	1.30	30	1.22	521	1	0.04	2	1880	<2	<0.01	<2	2
Y420678		4.23	10	<1	1.48	20	1.22	547	2	0.03	1	1760	2	0.01	<2	2
Y420679		4.49	10	<1	1.51	30	1.56	660	3	0.04	6	1800	3	0.01	<2	3
Y420680		3.40	<10	<1	0.23	10	0.78	446	5	0.19	12	570	3	0.01	<2	3
Y420681		3.51	10	<1	1.15	20	2.01	640	1	0.05	60	1170	2	0.01	<2	5
Y420682		3.02	10	<1	1.09	10	1.81	716	1	0.06	61	710	3	0.02	<2	5
Y420683		2.58	10	<1	1.33	10	2.12	541	1	0.05	72	510	4	0.06	<2	4
Y420684		2.99	10	1	1.34	10	2.29	928	1	0.04	67	400	4	0.01	<2	5
Y420685		0.94	<10	<1	0.17	40	0.07	160	1	0.03	3	190	5	0.01	2	<1
Y420686		1.43	<10	<1	0.35	30	0.25	276	1	0.01	4	190	4	<0.01	5	1
Y420687		1.06	<10	<1	0.20	30	0.17	207	1	0.03	10	230	5	<0.01	5	1
Y420688		3.48	<10	<1	0.54	50	0.69	241	1	<0.01	37	600	16	<0.01	24	8
Y420689		1.97	<10	<1	0.08	30	0.11	252	<1	<0.01	44	400	15	<0.01	10	9
Y420690		3.68	<10	<1	0.23	10	0.89	578	24	0.20	159	550	315	0.43	4	3
Y420691		1.26	<10	<1	0.10	30	0.03	260	<1	<0.01	25	260	8	<0.01	5	1
Y420692		3.29	<10	1	0.14	20	0.06	1010	1	<0.01	50	410	33	<0.01	9	4
Y420693		4.99	<10	<1	0.10	30	0.15	1460	1	<0.01	106	870	18	<0.01	12	32
Y420694		3.14	<10	1	0.48	20	0.54	1265	<1	<0.01	50	460	35	<0.01	9	9
Y420695		2.68	<10	1	0.35	20	0.35	1090	1	<0.01	36	400	42	<0.01	15	7
Y420696		2.26	<10	<1	0.17	10	0.04	1125	1	<0.01	11	170	35	<0.01	14	<1
Y420697		1.79	<10	1	0.17	10	0.03	115	2	<0.01	7	120	10	0.01	14	1
Y420698		1.83	<10	1	0.11	20	0.06	245	<1	<0.01	26	120	38	<0.01	32	11
Y420699		5.61	<10	3	0.20	20	0.06	297	4	<0.01	32	380	236	0.01	63	1
Y420700		3.42	10	<1	0.23	10	0.79	445	5	0.20	12	570	2	0.01	<2	3



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**CERTIFICATE OF ANALYSIS WH18241945**

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
Y420661		14	30	<0.01	<10	<10	3	<10
Y420662		8	30	<0.01	<10	10	4	<10
Y420663		9	30	0.01	<10	10	4	<10
Y420664		6	30	0.02	<10	<10	5	<10
Y420665		6	30	0.02	<10	<10	6	<10
Y420666		6	30	0.02	<10	10	6	<10
Y420667		8	30	0.04	<10	<10	9	<10
Y420668		6	30	0.02	<10	<10	3	<10
Y420669		8	30	0.03	<10	<10	5	<10
Y420670		151	<20	0.02	<10	<10	50	10
Y420671		9	30	0.03	<10	<10	5	<10
Y420672		52	<20	0.22	<10	<10	62	<10
Y420673		31	20	0.19	<10	<10	51	<10
Y420674		40	<20	0.23	<10	<10	33	<10
Y420675		37	<20	0.24	<10	<10	36	<10
Y420676		44	<20	0.21	<10	<10	37	<10
Y420677		42	<20	0.22	<10	<10	34	<10
Y420678		42	<20	0.26	<10	<10	33	<10
Y420679		40	<20	0.22	<10	<10	51	<10
Y420680		80	<20	0.15	<10	<10	97	<10
Y420681		32	<20	0.14	<10	<10	55	<10
Y420682		61	<20	0.14	<10	<10	50	<10
Y420683		82	<20	0.19	<10	<10	50	<10
Y420684		71	<20	0.17	<10	<10	49	<10
Y420685		16	30	0.01	<10	<10	2	<10
Y420686		8	30	0.01	<10	<10	6	<10
Y420687		7	30	0.01	<10	<10	7	<10
Y420688		14	20	0.05	<10	<10	48	<10
Y420689		11	20	<0.01	<10	<10	34	<10
Y420690		79	<20	0.13	<10	<10	93	<10
Y420691		8	40	<0.01	<10	<10	10	<10
Y420692		16	20	<0.01	<10	10	37	<10
Y420693		16	<20	0.01	<10	20	123	<10
Y420694		18	20	0.04	<10	<10	39	<10
Y420695		18	30	0.02	<10	10	29	<10
Y420696		15	30	<0.01	<10	30	4	<10
Y420697		19	30	<0.01	<10	50	7	<10
Y420698		14	<20	<0.01	<10	10	40	<10
Y420699		26	<20	<0.01	<10	40	16	<10
Y420700		84	<20	0.15	<10	<10	96	<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
Y420701		1.59	6.94	6.30	1.5	0.42	9030	<10	200	3.4	6	0.34	0.6	19	109	44
Y420702		2.12	6.11	5.61	1.1	0.35	6940	<10	250	1.1	2	0.27	<0.5	7	47	21
Y420703		1.71	1.405	1.34	1.0	0.41	6690	<10	240	0.7	<2	0.26	0.5	4	39	6
Y420704		1.64	0.266		0.5	0.68	8710	<10	300	1.6	2	0.31	<0.5	7	216	9
Y420705		1.75	0.012		0.2	0.86	815	<10	80	1.2	<2	0.10	<0.5	5	47	7
Y420706		1.22	0.007		<0.2	0.57	778	<10	30	1.2	3	0.05	<0.5	12	8	7
Y420707		1.56	0.004		<0.2	0.79	2370	<10	70	3.8	<2	0.14	<0.5	21	23	14
Y420708		1.36	0.001		0.2	1.37	490	<10	120	0.9	2	0.15	<0.5	13	72	27
Y420709		2.06	0.002		<0.2	1.66	606	<10	240	0.6	2	0.15	<0.5	11	82	19
Y420710		0.06	3.89	3.33	0.5	1.56	267	10	60	<0.5	2	0.97	<0.5	8	35	69
Y420711		2.24	0.004		0.7	1.19	2520	<10	80	1.9	3	0.30	<0.5	5	65	7
Y420712		1.48	0.013		<0.2	1.69	180	<10	120	0.9	4	0.93	<0.5	13	127	2
Y420713		1.73	0.032		<0.2	0.99	1155	<10	70	1.3	3	0.07	<0.5	14	47	10
Y420714		1.29	<0.001		<0.2	2.03	196	<10	140	2.4	3	0.40	<0.5	14	51	6
Y420715		2.14	0.008		<0.2	3.64	152	<10	410	2.6	2	0.66	<0.5	34	220	7
Y420716		2.22	0.008		0.2	2.67	710	<10	990	2.6	<2	0.43	<0.5	29	233	7
Y420717		2.43	0.004		<0.2	0.80	498	<10	490	0.9	<2	0.07	<0.5	8	15	4
Y420718		2.31	0.001		<0.2	0.68	398	<10	470	0.9	<2	0.06	<0.5	4	5	4
Y420719		2.01	0.052		0.2	0.66	807	<10	330	1.2	<2	0.12	<0.5	5	7	10
Y420720		0.06	<0.001		<0.2	1.91	2	<10	150	<0.5	2	1.12	<0.5	9	25	100
Y420721		2.12	0.095		<0.2	0.49	687	<10	240	1.0	2	0.10	<0.5	4	7	3
Y420722		2.00	0.415	0.39	0.2	0.40	1875	<10	1200	1.9	<2	0.12	<0.5	12	21	9
Y420723		1.80	0.182		0.2	0.31	566	<10	90	1.0	2	0.05	<0.5	3	11	2
Y420724		0.93	0.553	0.58	0.2	0.35	720	<10	70	1.2	<2	0.07	<0.5	3	7	5
Y420725		1.14	0.471	0.49	0.2	0.34	745	<10	70	1.2	<2	0.07	<0.5	3	7	3
Y420726		1.98	0.307	0.33	0.2	0.42	846	<10	40	1.1	<2	0.07	<0.5	1	6	2
Y420727		2.26	0.008		<0.2	0.39	533	<10	60	0.8	<2	0.04	<0.5	2	9	2
Y420728		1.77	0.015		<0.2	0.49	616	<10	80	0.9	<2	0.05	<0.5	2	9	1
Y420729		1.92	0.094		<0.2	0.90	1595	<10	150	1.6	2	0.18	<0.5	19	73	7
Y420730		0.06	0.742	0.66	<0.2	2.79	5	<10	100	<0.5	<2	2.08	<0.5	15	103	160
Y420731		1.59	0.159		<0.2	1.14	2280	<10	180	2.5	<2	0.36	<0.5	41	119	9
Y420732		2.00	0.060		0.7	0.57	4400	<10	220	2.0	2	0.19	0.7	13	53	10
Y420733		1.02	0.026		0.2	0.31	1385	<10	130	1.0	<2	0.08	<0.5	3	19	3
Y420734		1.39	0.121		0.2	0.35	2000	<10	120	1.3	<2	0.11	<0.5	4	27	3
Y420735		1.43	0.050		<0.2	2.61	1180	<10	640	2.1	<2	0.64	<0.5	29	177	48
Y420736		2.16	0.001		<0.2	3.48	50	<10	360	2.1	<2	0.65	<0.5	31	229	45
Y420737		2.33	<0.001		<0.2	1.78	28	<10	380	1.2	<2	0.53	<0.5	13	78	23
Y420738		2.64	<0.001		<0.2	2.39	30	<10	1060	1.7	<2	5.21	<0.5	24	175	42
Y420739		2.40	<0.001		<0.2	2.61	93	<10	180	1.7	<2	4.02	<0.5	27	236	23
Y420740		0.06	<0.001		<0.2	1.74	<2	<10	140	<0.5	<2	1.01	<0.5	9	24	99



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**CERTIFICATE OF ANALYSIS WH18241945**

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
Y420701		18.20	<10	5	0.13	10	0.11	76	8	0.01	45	760	135	0.08	480	1
Y420702		12.75	<10	6	0.16	10	0.07	37	9	0.01	40	760	94	0.18	300	1
Y420703		10.55	<10	6	0.19	<10	0.03	21	13	0.01	27	850	110	0.20	355	1
Y420704		12.75	<10	2	0.24	10	0.07	30	10	0.01	52	790	61	0.20	229	12
Y420705		2.62	<10	<1	0.08	10	0.05	25	1	<0.01	39	210	10	0.05	51	10
Y420706		3.69	<10	<1	0.07	<10	0.03	116	1	<0.01	14	80	6	<0.01	60	6
Y420707		5.18	<10	<1	0.16	20	0.13	202	7	<0.01	20	360	31	<0.01	105	13
Y420708		1.65	10	<1	0.45	10	0.53	119	1	0.01	14	200	42	0.03	21	17
Y420709		2.16	10	<1	0.66	10	0.77	177	2	0.01	16	270	16	0.12	27	9
Y420710		9.74	<10	<1	0.32	10	0.80	302	5	0.06	22	660	10	0.74	2	3
Y420711		5.92	<10	1	0.16	20	0.27	182	3	0.01	24	280	15	<0.01	491	4
Y420712		2.33	10	<1	0.53	10	1.17	285	1	0.05	59	600	6	<0.01	7	5
Y420713		2.65	<10	<1	0.18	10	0.11	106	3	<0.01	12	190	11	0.04	245	4
Y420714		3.22	10	<1	0.92	20	1.31	332	1	0.03	52	610	3	<0.01	10	8
Y420715		5.97	10	1	2.14	30	2.91	1065	1	0.03	94	1160	7	<0.01	3	14
Y420716		5.76	10	<1	1.37	20	1.63	3310	1	0.01	96	1000	27	<0.01	40	15
Y420717		1.52	<10	1	0.12	30	0.06	1620	2	<0.01	13	230	6	<0.01	43	2
Y420718		1.20	<10	<1	0.12	30	0.03	1560	1	<0.01	8	230	13	<0.01	24	1
Y420719		2.01	<10	<1	0.21	30	0.05	1080	1	<0.01	14	440	17	<0.01	29	2
Y420720		3.64	10	<1	0.25	10	0.84	486	5	0.22	11	610	2	0.01	<2	3
Y420721		1.41	<10	1	0.24	40	0.04	743	1	0.01	10	230	16	<0.01	27	1
Y420722		3.52	<10	2	0.18	30	0.05	4220	3	<0.01	39	260	37	<0.01	93	1
Y420723		1.52	<10	1	0.16	20	0.03	255	1	<0.01	8	110	36	<0.01	23	<1
Y420724		1.54	<10	1	0.18	20	0.03	163	2	<0.01	9	120	76	<0.01	39	<1
Y420725		1.65	<10	1	0.17	20	0.03	175	2	<0.01	8	120	66	<0.01	39	<1
Y420726		1.20	<10	<1	0.19	10	0.03	43	1	<0.01	6	100	22	<0.01	26	1
Y420727		1.07	<10	1	0.15	20	0.02	71	<1	<0.01	6	100	19	<0.01	21	<1
Y420728		1.26	<10	<1	0.12	10	0.02	90	1	<0.01	9	140	81	<0.01	29	1
Y420729		3.46	<10	1	0.09	10	0.06	594	1	<0.01	41	630	97	<0.01	60	11
Y420730		2.63	10	1	0.19	10	1.46	456	3	0.31	144	400	10	0.07	<2	3
Y420731		4.88	<10	1	0.13	10	0.11	687	1	<0.01	64	1280	115	<0.01	85	19
Y420732		6.87	<10	2	0.12	10	0.03	54	5	<0.01	48	480	650	0.01	243	2
Y420733		2.33	<10	1	0.17	20	0.02	80	2	<0.01	12	140	280	0.01	74	1
Y420734		3.40	<10	2	0.17	20	0.03	42	3	<0.01	24	200	183	<0.01	120	<1
Y420735		5.10	10	1	0.69	10	1.55	2070	1	0.01	103	1430	20	<0.01	34	17
Y420736		4.45	10	<1	0.97	10	2.81	845	<1	<0.01	179	1260	4	<0.01	8	18
Y420737		3.04	10	<1	0.64	30	1.10	374	1	0.03	50	700	6	<0.01	4	8
Y420738		3.98	10	<1	1.06	20	1.91	723	<1	0.02	88	1190	8	0.02	5	18
Y420739		4.45	10	<1	0.42	10	2.30	622	<1	0.01	137	930	5	<0.01	8	18
Y420740		3.41	<10	<1	0.23	10	0.79	459	5	0.20	11	560	2	0.01	<2	3



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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
Y420701		44	<20	<0.01	<10	80	73	<10
Y420702		53	<20	<0.01	<10	70	49	<10
Y420703		61	<20	<0.01	<10	50	40	<10
Y420704		39	<20	<0.01	<10	40	90	<10
Y420705		33	<20	<0.01	<10	10	53	<10
Y420706		8	<20	<0.01	<10	10	19	<10
Y420707		13	<20	0.01	<10	20	63	<10
Y420708		33	<20	0.04	<10	10	105	<10
Y420709		68	20	0.06	<10	10	59	<10
Y420710		39	<20	0.06	<10	<10	44	30
Y420711		52	20	0.02	<10	40	24	<10
Y420712		61	<20	0.17	<10	<10	51	<10
Y420713		23	20	0.01	<10	20	32	<10
Y420714		23	<20	0.09	<10	<10	47	<10
Y420715		39	<20	0.21	<10	<10	92	<10
Y420716		29	<20	0.12	20	10	104	<10
Y420717		20	30	<0.01	<10	10	13	<10
Y420718		18	30	<0.01	<10	10	6	<10
Y420719		29	30	<0.01	<10	20	11	<10
Y420720		91	<20	0.17	<10	<10	102	<10
Y420721		23	30	<0.01	<10	10	7	<10
Y420722		36	20	<0.01	20	60	28	<10
Y420723		24	20	<0.01	<10	20	11	<10
Y420724		45	20	<0.01	<10	30	10	<10
Y420725		38	20	<0.01	<10	20	10	<10
Y420726		44	30	<0.01	<10	30	9	<10
Y420727		36	30	<0.01	<10	20	6	<10
Y420728		41	30	<0.01	<10	20	13	<10
Y420729		22	20	<0.01	10	40	52	<10
Y420730		81	<20	0.09	<10	<10	68	<10
Y420731		38	<20	0.01	10	40	105	<10
Y420732		38	20	<0.01	<10	130	42	<10
Y420733		20	20	<0.01	<10	40	14	<10
Y420734		28	20	<0.01	<10	60	17	<10
Y420735		38	<20	0.04	20	20	111	<10
Y420736		34	<20	0.05	<10	<10	127	<10
Y420737		23	20	0.05	<10	<10	59	<10
Y420738		58	<20	0.07	<10	<10	116	<10
Y420739		58	<20	0.04	<10	<10	105	<10
Y420740		81	<20	0.15	<10	<10	96	<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
Y420741		2.31	<0.001		<0.2	0.94	149	<10	190	1.2	<2	7.5	<0.5	13	49	12
Y420742		2.41	0.001		<0.2	1.66	29	<10	130	1.8	<2	6.00	<0.5	19	134	56
Y420743		2.40	<0.001		<0.2	3.14	10	<10	300	2.2	<2	4.64	<0.5	30	213	62
Y420744		1.93	0.001		<0.2	2.17	18	<10	280	2.3	<2	4.87	<0.5	19	142	129
Y420745		1.54	<0.001		<0.2	1.77	10	<10	170	1.0	<2	2.17	<0.5	13	56	11
Y420746		1.49	<0.001		<0.2	1.50	5	<10	180	0.6	<2	1.69	<0.5	12	47	9
Y420747		2.35	<0.001		<0.2	1.70	5	<10	430	<0.5	<2	2.17	<0.5	12	109	15
Y420748		2.55	<0.001		<0.2	2.91	6	<10	850	<0.5	2	3.57	<0.5	21	190	8
Y420749		2.57	<0.001		<0.2	2.71	3	<10	730	<0.5	<2	3.42	<0.5	20	96	20
Y420750		0.06	0.979	NSS	3.1	2.77	8	<10	100	<0.5	<2	2.04	0.7	16	107	231
Y420751		2.64	<0.001		<0.2	2.60	3	<10	170	0.7	<2	4.58	<0.5	25	103	27
Y420752		3.17	<0.001		<0.2	1.92	4	<10	230	1.0	<2	3.67	<0.5	23	70	37
Y420753		2.54	<0.001		<0.2	2.54	6	<10	540	0.8	<2	4.62	<0.5	22	73	34
Y420754		2.48	<0.001		<0.2	1.46	9	<10	2680	0.6	<2	4.63	<0.5	14	47	21
Y420755		2.25	<0.001		<0.2	2.32	4	<10	1540	0.6	<2	2.93	<0.5	17	76	13
Y420756		2.47	<0.001		<0.2	2.68	7	<10	750	0.8	<2	1.96	<0.5	21	77	15
Y420757		2.41	0.001		<0.2	1.85	9	<10	430	0.6	<2	0.89	<0.5	13	3	10
Y420758		2.49	0.004		<0.2	1.89	17	<10	230	<0.5	<2	0.76	<0.5	15	3	15
Y420759		2.26	<0.001		<0.2	1.74	29	<10	280	0.6	<2	0.89	<0.5	15	3	9
Y420760		0.06	<0.001		<0.2	1.82	2	<10	140	<0.5	<2	1.05	<0.5	10	24	100





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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
Y420741		2.62	<10	<1	0.23	20	0.40	572	<1	<0.01	46	470	7	<0.01	8	9
Y420742		3.61	<10	<1	0.79	20	1.31	657	<1	<0.01	64	1090	7	<0.01	7	18
Y420743		4.10	10	<1	0.72	20	2.48	852	<1	0.01	109	1570	5	<0.01	5	14
Y420744		3.40	10	<1	0.86	20	1.50	631	1	<0.01	63	1350	7	0.03	7	15
Y420745		2.61	10	<1	0.75	30	1.46	448	<1	0.03	38	480	3	<0.01	2	7
Y420746		2.31	10	<1	0.63	20	1.27	416	1	0.04	30	370	<2	<0.01	<2	5
Y420747		2.43	<10	<1	0.35	20	1.54	453	1	0.08	59	580	2	0.01	<2	5
Y420748		3.69	10	<1	0.59	10	3.03	745	<1	0.09	86	960	2	0.03	<2	8
Y420749		3.64	10	<1	0.72	10	2.54	751	<1	0.10	55	1070	3	0.07	<2	8
Y420750		3.21	10	<1	0.18	10	1.64	575	5	0.30	150	360	196	0.10	2	3
Y420751		3.62	10	<1	0.71	10	2.54	848	<1	0.04	54	1040	2	0.12	<2	10
Y420752		3.16	10	<1	0.56	10	1.85	614	1	0.04	28	1160	2	0.20	<2	8
Y420753		3.87	10	<1	0.82	20	2.24	833	2	0.03	46	940	4	0.10	<2	10
Y420754		3.28	10	<1	0.67	20	1.29	748	4	0.03	16	430	5	0.06	2	4
Y420755		3.47	10	<1	0.82	20	2.07	666	1	0.03	38	980	3	0.04	<2	7
Y420756		3.94	10	<1	1.22	20	2.51	708	<1	0.05	39	1180	3	0.01	<2	7
Y420757		3.36	10	<1	0.90	30	1.18	432	1	0.05	2	1730	3	0.01	<2	3
Y420758		3.76	10	<1	0.65	30	1.25	538	<1	0.05	3	1620	4	0.01	<2	3
Y420759		3.49	10	<1	0.80	30	0.98	493	<1	0.05	1	1590	2	<0.01	<2	3
Y420760		3.51	10	<1	0.24	10	0.80	470	5	0.21	12	560	4	0.01	<2	3

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



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**CERTIFICATE OF ANALYSIS WH18241945**

**CERTIFICATE COMMENTS**

**ANALYTICAL COMMENTS**

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

**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