



BUREAU VERITAS MINERAL LABORATORIES
Canada

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Bureau Veritas Commodities Canada Ltd.
9050 Shaughnessy St Vancouver British Columbia V6P 6E5 Canada
PHONE (604) 253-3158

Client: **Metallic Minerals Corp.**
#904 - 409 Granville Street
Vancouver British Columbia V6C 1T2 Canada

Submitted By: Scott Petsel
Receiving Lab: Canada-Whitehorse
Received: October 19, 2017
Report Date: November 27, 2017
Page: 1 of 2

CERTIFICATE OF ANALYSIS

WHI17001084.1

CLIENT JOB INFORMATION

Project: Keno Silver
Shipment ID: Keno
P.O. Number
Number of Samples: 11

SAMPLE DISPOSAL

STOR-PLP Store After 90 days Invoice for Storage
DISP-RJT Dispose of Reject After 60 days

Bureau Veritas does not accept responsibility for samples left at the laboratory after 90 days without prior written instructions for sample storage or return.

Invoice To: Metallic Minerals Corp.
#904 - 409 Granville Street
Vancouver British Columbia V6C 1T2
Canada

CC: Debbie James
Stuart Morris

SAMPLE PREPARATION AND ANALYTICAL PROCEDURES

Procedure Code	Number of Samples	Code Description	Test Wgt (g)	Report Status	Lab
PRP70-250	11	Crush, split and pulverize 250 g rock to 200 mesh			WHI
AQ202	11	1:1:1 Aqua Regia digestion ICP-MS analysis	30	Completed	VAN
SHP01	11	Per sample shipping charges for branch shipments			VAN
MA404	8	4 Acid Digest AAS Finish Vancouver	0.5	Completed	VAN
FA530	9	Lead collection fire assay 30G fusion - Grav finish	30	Completed	VAN
GC817	5	Lead Assay by Classical Titration	0.5	Completed	VAN

ADDITIONAL COMMENTS



This report supersedes all previous preliminary and final reports with this file number dated prior to the date on this certificate. Signature indicates final approval; preliminary reports are unsigned and should be used for reference only. All results are considered the confidential property of the client. Bureau Veritas assumes the liabilities for actual cost of analysis only. Results apply to samples as submitted.
*** asterisk indicates that an analytical result could not be provided due to unusually high levels of interference from other elements.



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CERTIFICATE OF ANALYSIS

WHI17001084.1

Method	WGHT	AQ202	AQ202	AQ202	AQ202	AQ202	AQ202	AQ202	AQ202	AQ202	AQ202	AQ202	AQ202	AQ202	AQ202	AQ202	AQ202	AQ202	AQ202	AQ202	AQ202
Analyte	Wgt	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P	
Unit	kg	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%	
MDL	0.01	0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.5	0.1	1	0.1	0.1	0.1	2	0.01	0.001	
113382	Rock	0.97	0.5	>10000	>10000	>10000	>100	11.7	47.6	6869	8.61	7907.8	1594.4	0.1	48	1343.0	>2000	2.0	13	3.98	0.063
113383	Rock	0.92	0.9	928.9	2942.9	5635	>100	4.5	17.9	3940	5.46	480.7	34.9	0.8	73	84.3	313.1	0.3	9	5.54	0.252
113384	Rock	2.46	0.4	360.8	995.9	1324	48.8	11.4	25.6	2578	8.27	6346.6	338.5	<0.1	140	14.2	108.2	1.1	20	7.75	0.104
113385	Rock	1.40	1.0	1000.2	1173.7	2834	>100	12.1	28.6	2601	6.58	2992.3	2697.7	0.3	106	33.6	302.1	0.2	24	7.27	0.248
113386	Rock	3.01	<0.1	6850.5	>10000	5592	>100	0.7	0.3	22	0.13	291.6	44.4	<0.1	30	139.2	>2000	0.7	<2	0.01	0.001
113387	Rock	2.21	0.3	1949.1	>10000	>10000	>100	8.4	6.4	496	1.21	847.5	2638.2	<0.1	13	1382.5	>2000	1.7	4	0.08	0.009
113388	Rock	1.84	0.2	2091.3	>10000	>10000	>100	7.3	2.8	122	1.19	2767.3	315.9	<0.1	64	>2000	522.1	0.9	4	0.11	0.007
113389	Rock	1.21	0.5	2925.7	>10000	>10000	>100	10.9	6.4	211	1.71	6712.9	280.7	<0.1	177	>2000	956.5	0.1	3	0.14	0.001
113390	Rock	2.75	<0.1	488.6	>10000	>10000	>100	0.5	0.1	49	0.10	41.6	3.2	<0.1	4	159.7	1323.1	0.2	<2	<0.01	<0.001
113391	Rock	1.86	0.1	5468.6	>10000	>10000	>100	1.9	0.7	18	0.59	2547.5	293.8	<0.1	120	373.0	1987.5	0.3	<2	0.01	0.002
113392	Rock	2.09	0.5	>10000	>10000	>10000	>100	2.2	1.0	74	0.27	512.8	147.4	<0.1	80	725.1	>2000	3.0	<2	0.02	0.001



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CERTIFICATE OF ANALYSIS

WHI17001084.1

Method	Analyte	AQ202	AQ202	AQ202	AQ202	AQ202	AQ202	AQ202	AQ202	AQ202	AQ202	AQ202	AQ202	AQ202	AQ202	AQ202	AQ202	AQ202	MA404	MA404	MA404
		La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se	Te	Cu	Pb	Zn
Unit		ppm	ppm	%	ppm	%	ppm	%	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	%	%	%
MDL		1	1	0.01	1	0.001	1	0.01	0.001	0.01	0.1	0.01	0.1	0.05	1	0.5	0.2	0.01	0.01	0.01	
113382	Rock	2	1	0.98	27	0.001	6	0.21	0.003	0.09	<0.1	4.36	21.6	0.9	3.93	3	16.1	<0.2	3.28	3.14	9.55
113383	Rock	10	1	1.02	43	0.002	7	0.45	0.005	0.20	<0.1	0.27	14.6	0.4	0.79	2	4.7	<0.2			
113384	Rock	2	2	2.04	26	<0.001	5	0.29	0.006	0.10	<0.1	0.05	24.9	0.2	3.97	<1	2.2	<0.2			
113385	Rock	5	<1	1.02	18	<0.001	6	0.53	0.003	0.14	0.1	0.10	20.9	0.4	1.03	1	1.7	<0.2			
113386	Rock	<1	<1	<0.01	22	<0.001	<1	0.01	<0.001	<0.01	<0.1	7.80	0.1	1.1	>10	<1	2.1	<0.2	0.69	>20	0.48
113387	Rock	<1	6	0.03	37	<0.001	2	0.05	0.003	0.02	<0.1	36.12	0.4	0.3	3.11	2	7.7	<0.2	0.19	12.38	13.03
113388	Rock	<1	6	0.05	10	<0.001	3	0.01	<0.001	<0.01	<0.1	>50	0.6	0.4	1.45	22	15.6	<0.2	0.18	18.90	18.87
113389	Rock	<1	7	0.05	21	<0.001	4	0.01	0.002	<0.01	<0.1	>50	0.6	0.3	1.62	5	11.0	<0.2	0.25	>20	25.45
113390	Rock	<1	<1	<0.01	2	<0.001	1	<0.01	<0.001	<0.01	<0.1	6.25	<0.1	1.2	>10	<1	1.4	<0.2	0.05	>20	1.03
113391	Rock	<1	<1	<0.01	12	<0.001	<1	0.02	<0.001	<0.01	<0.1	30.22	<0.1	0.8	6.41	4	4.2	<0.2	0.53	>20	3.37
113392	Rock	<1	1	<0.01	14	<0.001	1	0.01	<0.001	<0.01	<0.1	>50	0.4	1.0	7.60	<1	7.6	0.2	1.06	>20	4.01



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CERTIFICATE OF ANALYSIS

WHI17001084.1

	Method	FA530	GC817
		Ag	Pb
Analyte	Unit	gm/t	%
MDL		20	2
113382	Rock	7668	
113383	Rock	114	
113384	Rock		
113385	Rock	96	
113386	Rock	491	78.73
113387	Rock		
113388	Rock	111	
113389	Rock	212	28.44
113390	Rock	919	82.55
113391	Rock	356	67.93
113392	Rock	500	65.05



QUALITY CONTROL REPORT

WHI17001084.1

Method	WGHT	AQ202	AQ202	AQ202	AQ202	AQ202	AQ202	AQ202	AQ202	AQ202	AQ202	AQ202	AQ202	AQ202	AQ202	AQ202	AQ202	AQ202	AQ202	AQ202	AQ202
Analyte	Wgt	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P	
Unit	kg	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%	
MDL	0.01	0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.5	0.1	1	0.1	0.1	0.1	2	0.01	0.001	
Pulp Duplicates																					
113389	Rock	1.21	0.5	2925.7	>10000	>10000	>100	10.9	6.4	211	1.71	6712.9	280.7	<0.1	177	>2000	956.5	0.1	3	0.14	0.001
REP 113389	QC																				
113390	Rock	2.75	<0.1	488.6	>10000	>10000	>100	0.5	0.1	49	0.10	41.6	3.2	<0.1	4	159.7	1323.1	0.2	<2	<0.01	<0.001
REP 113390	QC		<0.1	494.0	>10000	>10000	>100	0.5	0.1	46	0.10	41.1	1.9	<0.1	3	159.0	1302.2	0.2	<2	<0.01	<0.001
113391	Rock	1.86	0.1	5468.6	>10000	>10000	>100	1.9	0.7	18	0.59	2547.5	293.8	<0.1	120	373.0	1987.5	0.3	<2	0.01	0.002
REP 113391	QC																				
113392	Rock	2.09	0.5	>10000	>10000	>10000	>100	2.2	1.0	74	0.27	512.8	147.4	<0.1	80	725.1	>2000	3.0	<2	0.02	0.001
REP 113392	QC		0.4	>10000	>10000	>10000	>100	2.1	0.9	73	0.27	520.5	138.5	<0.1	78	722.9	>2000	3.0	<2	0.02	0.001
Reference Materials																					
STD AGPROOF	Standard																				
STD CPB-2	Standard																				
STD DS11	Standard		14.6	151.9	134.1	348	1.7	78.4	13.1	1047	3.13	45.0	68.9	7.5	69	2.7	8.3	11.4	48	1.08	0.073
STD DS11	Standard		13.2	151.5	137.0	354	1.7	78.9	13.7	1037	3.06	44.9	76.1	7.6	70	2.4	9.4	13.0	48	1.06	0.073
STD OREAS132A	Standard																				
STD OREAS134B	Standard																				
STD OREAS132A	Standard																				
STD OREAS134B	Standard																				
STD OXC129	Standard		1.2	27.5	9.1	49	<0.1	79.7	20.3	423	3.08	0.9	195.2	1.7	197	0.1	3.3	<0.1	50	0.72	0.099
STD OXC129	Standard		1.1	26.4	11.3	48	<0.1	74.0	19.4	412	2.93	0.7	193.7	1.7	182	<0.1	<0.1	<0.1	51	0.65	0.099
STD SP49	Standard																				
STD SQ70	Standard																				
STD AGPROOF Expected																					
STD SP49 Expected																					
STD SQ70 Expected																					
STD OXC129 Expected			1.3	28	6.2	42.9		79.5	20.3	421	3.065	0.6	195	1.9					51	0.684	0.102
STD DS11 Expected			14.6	156	138	345	1.71	81.9	14.2	1055	3.2082	42.8	79	7.65	67.3	2.37	8.74	12.2	50	1.063	0.0701
STD CPB-2 Expected																					



QUALITY CONTROL REPORT

WHI17001084.1

Method Analyte Unit MDL	AQ202	AQ202	AQ202	AQ202	AQ202	AQ202	AQ202	AQ202	AQ202	AQ202	AQ202	AQ202	AQ202	AQ202	AQ202	AQ202	AQ202	AQ202	AQ202	Cu %	Pb %	MA404 Zn %
	La ppm	Cr ppm	Mg %	Ba ppm	Ti %	B ppm	Al %	Na %	K %	W ppm	Hg ppm	Sc ppm	Ti ppm	S %	Ga ppm	Se ppm	Te ppm					
Pulp Duplicates																						
113389 Rock	<1	7	0.05	21	<0.001	4	0.01	0.002	<0.01	<0.1	>50	0.6	0.3	1.62	5	11.0	<0.2	0.25	>20	25.45		
REP 113389 QC																		0.25	>20	25.45		
113390 Rock	<1	<1	<0.01	2	<0.001	1	<0.01	<0.001	<0.01	<0.1	6.25	<0.1	1.2	>10	<1	1.4	<0.2	0.05	>20	1.03		
REP 113390 QC	<1	<1	<0.01	2	<0.001	<1	<0.01	<0.001	<0.01	<0.1	6.35	<0.1	1.2	>10	<1	1.4	<0.2					
113391 Rock	<1	<1	<0.01	12	<0.001	<1	0.02	<0.001	<0.01	<0.1	30.22	<0.1	0.8	6.41	4	4.2	<0.2	0.53	>20	3.37		
REP 113391 QC																						
113392 Rock	<1	1	<0.01	14	<0.001	1	0.01	<0.001	<0.01	<0.1	>50	0.4	1.0	7.60	<1	7.6	0.2	1.06	>20	4.01		
REP 113392 QC	<1	1	<0.01	13	<0.001	<1	0.01	<0.001	<0.01	<0.1	>50	0.3	1.0	7.59	1	8.6	<0.2	1.05	>20	4.03		
Reference Materials																						
STD AGPROOF Standard																						
STD CPB-2 Standard																						
STD DS11 Standard	19	58	0.84	383	0.098	7	1.18	0.073	0.40	3.0	0.27	3.6	4.7	0.27	5	2.3	4.5					
STD DS11 Standard	18	59	0.86	375	0.093	8	1.12	0.070	0.40	3.1	0.33	3.3	4.9	0.28	5	2.0	4.6					
STD OREAS132A Standard																		0.05	3.60	4.95		
STD OREAS134B Standard																		0.13	12.94	17.54		
STD OREAS132A Standard																		0.04	3.66	4.94		
STD OREAS134B Standard																		0.13	13.42	17.43		
STD OXC129 Standard	12	53	1.54	51	0.402	1	1.58	0.591	0.36	<0.1	0.02	0.7	<0.1	<0.05	6	<0.5	<0.2					
STD OXC129 Standard	12	49	1.50	50	0.372	1	1.51	0.582	0.35	<0.1	0.02	1.2	<0.1	<0.05	5	<0.5	<0.2					
STD SP49 Standard																						
STD SQ70 Standard																						
STD AGPROOF Expected																						
STD SP49 Expected																						
STD SQ70 Expected																						
STD OXC129 Expected	12.5	52	1.545	50	0.4	1	1.58	0.59	0.3655			1.1				5.5						
STD DS11 Expected	18.6	61.5	0.85	385	0.0976		1.1795	0.0762	0.4	2.9	0.3	3.4	4.9	0.2835	5.1	1.9	4.56					
STD CPB-2 Expected																						



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QUALITY CONTROL REPORT

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Method	FA530	GC817
Analyte	Ag	Pb
Unit	gm/t	%
MDL	20	2
Pulp Duplicates		
113389	Rock	212 28.44
REP 113389	QC	
113390	Rock	919 82.55
REP 113390	QC	
113391	Rock	356 67.93
REP 113391	QC	68.03
113392	Rock	500 65.05
REP 113392	QC	
Reference Materials		
STD AGPROOF	Standard	92
STD CPB-2	Standard	63.24
STD CPB-2	Standard	63.35
STD DS11	Standard	
STD DS11	Standard	
STD OREAS132A	Standard	
STD OREAS134B	Standard	
STD OREAS132A	Standard	
STD OREAS134B	Standard	
STD OXC129	Standard	
STD OXC129	Standard	
STD SP49	Standard	54
STD SQ70	Standard	155
STD AGPROOF Expected		94
STD SP49 Expected		60.2
STD SQ70 Expected		159.5
STD OXC129 Expected		
STD DS11 Expected		
STD CPB-2 Expected		63.52



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		WGHT	AQ202	AQ202	AQ202	AQ202	AQ202	AQ202	AQ202	AQ202	AQ202	AQ202	AQ202	AQ202	AQ202	AQ202	AQ202	AQ202	AQ202	AQ202	AQ202
		Wgt	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P
		kg	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%
		0.01	0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.5	0.1	1	0.1	0.1	0.1	2	0.01	0.001
STD OREAS132A Expected																					
STD OREAS134B Expected																					
BLK	Blank		<0.1	0.1	0.3	<1	<0.1	<0.1	<0.1	<1	<0.01	<0.5	<0.5	<0.1	<1	<0.1	<0.1	<0.1	<2	<0.01	<0.001
BLK	Blank																				
BLK	Blank																				
BLK	Blank		<0.1	0.3	0.3	3	<0.1	<0.1	<0.1	<1	<0.01	<0.5	<0.5	<0.1	<1	<0.1	0.3	<0.1	<2	<0.01	<0.001
BLK	Blank																				
Prep Wash																					
ROCK-WHI	Prep Blank		0.7	8.1	2.6	39	<0.1	2.9	5.2	637	2.07	1.1	<0.5	1.7	36	<0.1	<0.1	<0.1	30	0.96	0.041
ROCK-WHI	Prep Blank		0.6	5.1	2.1	32	<0.1	1.2	4.2	578	1.80	1.1	<0.5	1.6	25	<0.1	<0.1	<0.1	24	0.84	0.040



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		AQ202	AQ202	AQ202	AQ202	AQ202	AQ202	AQ202	AQ202	AQ202	AQ202	AQ202	AQ202	AQ202	AQ202	AQ202	AQ202	AQ202	MA404
La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se	Te	Cu	Pb	Zn
ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	%	%	%
1	1	0.01	1	0.001	1	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5	0.2	0.01	0.01	0.01
STD OREAS132A Expected																	0.0458	3.66	4.96
STD OREAS134B Expected																	0.1348	13.36	18.03
BLK	Blank	<1	<1	<0.01	<1	<0.001	<1	<0.01	<0.001	<0.01	<0.1	<0.01	<0.1	<0.1	<0.05	<1	<0.5	<0.2	
BLK	Blank																		
BLK	Blank																<0.01	<0.01	<0.01
BLK	Blank	<1	<1	<0.01	<1	<0.001	<1	<0.01	<0.001	<0.01	<0.1	<0.01	<0.1	<0.1	<0.05	<1	<0.5	<0.2	
BLK	Blank																<0.01	<0.01	<0.01
Prep Wash																			
ROCK-WHI	Prep Blank	6	7	0.66	59	0.085	3	1.32	0.117	0.11	<0.1	<0.01	3.4	<0.1	<0.05	4	<0.5	<0.2	
ROCK-WHI	Prep Blank	5	5	0.58	48	0.070	3	1.11	0.092	0.09	<0.1	<0.01	2.8	<0.1	<0.05	4	<0.5	<0.2	



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Client: **Metallic Minerals Corp.**
#904 - 409 Granville Street
Vancouver British Columbia V6C 1T2 Canada

Project: Keno Silver
Report Date: November 27, 2017

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QUALITY CONTROL REPORT

WHI17001084.1

		FA530	GC817
		Ag	Pb
		gm/t	%
		20	2
STD OREAS132A Expected			
STD OREAS134B Expected			
BLK	Blank		
BLK	Blank	<20	
BLK	Blank		
BLK	Blank		
BLK	Blank		
Prep Wash			
ROCK-WHI	Prep Blank		
ROCK-WHI	Prep Blank		