



BUREAU MINERAL LABORATORIES
VERITAS 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: August 24, 2017
Report Date: September 22, 2017
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CERTIFICATE OF ANALYSIS

WHI17000682.1

CLIENT JOB INFORMATION

Project: Keno Silver
Shipment ID: Keno 7
P.O. Number
Number of Samples: 10

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	10	Crush, split and pulverize 250 g rock to 200 mesh			WHI
AQ202	10	1:1:1 Aqua Regia digestion ICP-MS analysis	30	Completed	VAN
SHP01	10	Per sample shipping charges for branch shipments			VAN
MA404	2	4 Acid Digest AAS Finish Vancouver	0.5	Completed	VAN
FA530	2	Lead collection fire assay 30G fusion - Grav finish	30	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

WHI17000682.1

	Method Analyte Unit MDL	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
113355	Rock	1.43	1.2	1.4	31.7	132	0.2	13.6	4.7	5611	5.83	137.9	10.0	0.7	133	2.1	2.9	<0.1	7	7.10	0.010
113356	Rock	1.58	0.8	192.2	341.9	2182	58.0	43.0	15.9	>10000	6.10	413.1	33.8	<0.1	90	30.4	84.2	<0.1	22	4.75	0.016
113357	Rock	2.14	3.8	1.2	10.0	392	0.2	9.6	2.3	>10000	8.56	24.0	1.2	0.5	163	1.8	11.7	<0.1	22	14.95	0.005
113358	Rock	1.06	8.4	2.6	12.2	530	0.2	13.5	2.9	>10000	39.13	29.5	0.8	1.1	219	3.8	16.1	<0.1	<2	0.16	0.006
113359	Rock	4.96	2.6	2.5	21.0	154	0.6	29.4	12.0	>10000	37.06	14.4	1.8	<0.1	242	1.2	2.8	<0.1	29	0.63	0.004
113360	Rock	1.58	2.6	1.1	10.5	134	0.2	17.6	8.0	>10000	35.76	11.5	<0.5	<0.1	264	0.8	1.5	<0.1	28	1.97	0.002
113361	Rock	2.45	2.9	140.5	22.3	83	>100	9.1	4.1	>10000	33.89	2.7	13.4	<0.1	140	1.6	96.2	<0.1	3	0.25	<0.001
113362	Rock	2.24	1.2	285.2	2194.7	>10000	56.8	4.4	5.5	>10000	31.43	2315.6	26.2	0.2	<1	1103.9	65.1	43.9	11	0.09	0.001
113363	Rock	1.45	1.2	331.9	688.2	>10000	26.0	29.2	47.9	>10000	35.40	>10000	313.5	0.6	4	310.8	48.0	66.3	13	0.48	0.005
113364	Rock	0.40	2.2	1364.8	3990.9	987	>100	18.7	353.7	242	29.51	>10000	4510.7	2.2	1	34.2	440.1	663.4	4	<0.01	0.028



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	Method Analyte Unit MDL	AQ202	AQ202	AQ202	AQ202	AQ202	AQ202	AQ202	AQ202	AQ202	AQ202	AQ202	AQ202	AQ202	AQ202	AQ202	AQ202	AQ202	MA404	FA530
		La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se	Te	Zn	Ag
		ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	%	gm/t
		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	20
113355	Rock	2	6	1.74	8	<0.001	<1	0.08	0.002	0.02	<0.1	<0.01	10.7	0.1	0.21	<1	0.8	<0.2		
113356	Rock	2	14	0.85	137	0.002	5	0.43	0.015	0.21	<0.1	0.08	10.8	0.3	0.61	1	1.5	<0.2		
113357	Rock	4	4	1.25	59	<0.001	<1	0.16	0.001	0.02	<0.1	<0.01	3.7	<0.1	<0.05	<1	1.1	<0.2		
113358	Rock	<1	1	0.12	27	<0.001	5	0.03	0.003	0.04	<0.1	0.03	2.7	0.3	1.68	5	<0.5	<0.2		
113359	Rock	4	8	0.16	38	<0.001	2	0.14	0.002	0.12	<0.1	<0.01	5.6	0.5	<0.05	4	21.3	<0.2		
113360	Rock	3	7	0.50	28	<0.001	2	0.08	0.002	0.08	<0.1	<0.01	5.1	0.2	<0.05	5	5.0	<0.2		
113361	Rock	<1	<1	0.31	6	<0.001	<1	0.02	0.001	0.03	<0.1	0.01	8.4	<0.1	0.06	5	6.3	<0.2		130
113362	Rock	<1	1	0.40	2	<0.001	<1	0.02	<0.001	<0.01	<0.1	1.17	3.1	<0.1	2.82	4	8.2	<0.2	10.54	
113363	Rock	<1	3	0.35	4	<0.001	2	0.06	<0.001	0.01	0.3	0.33	3.8	<0.1	1.86	3	2.9	0.3	2.80	
113364	Rock	<1	2	<0.01	2	<0.001	<1	0.01	<0.001	<0.01	<0.1	0.11	1.7	<0.1	7.62	2	21.2	3.1		198



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QUALITY CONTROL REPORT

WHI17000682.1

	Method Analyte Unit MDL	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	0.1	1	0.01	0.5	0.5	0.1	1	0.1	0.1	0.1	2	0.01
Pulp Duplicates																					
113362	Rock	2.24	1.2	285.2	2194.7	>10000	56.8	4.4	5.5	>10000	31.43	2315.6	26.2	0.2	<1	1103.9	65.1	43.9	11	0.09	0.001
REP 113362	QC																				
113364	Rock	0.40	2.2	1364.8	3990.9	987	>100	18.7	353.7	242	29.51	>10000	4510.7	2.2	1	34.2	440.1	663.4	4	<0.01	0.028
REP 113364	QC																				
Core Reject Duplicates																					
113358	Rock	1.06	8.4	2.6	12.2	530	0.2	13.5	2.9	>10000	39.13	29.5	0.8	1.1	219	3.8	16.1	<0.1	<2	0.16	0.006
DUP 113358	QC		7.7	2.6	11.8	519	0.2	13.1	2.7	>10000	37.96	25.8	0.8	1.1	221	3.8	15.2	<0.1	<2	0.17	0.006
Reference Materials																					
STD AGPROOF	Standard																				
STD AGPROOF	Standard																				
STD DS11	Standard		13.9	156.9	131.8	323	1.7	81.0	14.3	1117	3.15	42.1	66.6	7.8	70	2.4	8.6	11.6	52	1.10	0.069
STD DS11	Standard		13.7	149.6	141.2	341	1.7	77.9	13.4	1030	3.25	43.4	93.9	7.5	72	2.4	9.5	13.3	50	1.06	0.077
STD OREAS132A	Standard																				
STD OREAS134B	Standard																				
STD OXC129	Standard		1.2	24.1	5.6	36	<0.1	74.4	18.9	385	2.94	0.6	179.4	1.7	156	<0.1	<0.1	<0.1	53	0.68	0.089
STD OXC129	Standard		1.3	24.6	6.0	37	<0.1	72.9	19.4	390	3.05	1.1	201.7	1.6	176	<0.1	<0.1	<0.1	50	0.62	0.095
STD SP49	Standard																				
STD SP49	Standard																				
STD SQ70	Standard																				
STD SQ70	Standard																				
STD OXC129 Expected			1.3	28	6.3	42.9		79.5	20.3	421	3.065	0.6	195	1.9					51	0.665	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 AGPROOF Expected																					
STD SP49 Expected																					
STD SQ70 Expected																					
STD OREAS132A Expected																					
STD OREAS134B Expected																					
BLK	Blank																				



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QUALITY CONTROL REPORT

WHI17000682.1

Method	AQ202	AQ202	AQ202	AQ202	AQ202	AQ202	AQ202	AQ202	AQ202	AQ202	AQ202	AQ202	AQ202	AQ202	AQ202	AQ202	AQ202	MA404	FA530
Analyte	La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Ti	S	Ga	Se	Te	Zn	Ag
Unit	ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	%	gm/t
MDL	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	20
Pulp Duplicates																			
113362	Rock	<1	1	0.40	2	<0.001	<1	0.02	<0.001	<0.01	<0.1	1.17	3.1	<0.1	2.82	4	8.2	<0.2	10.54
REP 113362	QC																	10.62	
113364	Rock	<1	2	<0.01	2	<0.001	<1	0.01	<0.001	<0.01	<0.1	0.11	1.7	<0.1	7.62	2	21.2	3.1	198
REP 113364	QC																		195
Core Reject Duplicates																			
113358	Rock	<1	1	0.12	27	<0.001	5	0.03	0.003	0.04	<0.1	0.03	2.7	0.3	1.68	5	<0.5	<0.2	
DUP 113358	QC	<1	1	0.11	29	<0.001	2	0.03	<0.001	0.04	<0.1	0.02	2.4	0.3	1.49	5	<0.5	<0.2	
Reference Materials																			
STD AGPROOF	Standard																		94
STD AGPROOF	Standard																		94
STD DS11	Standard	20	60	0.87	335	0.100	5	1.23	0.079	0.42	2.9	0.24	3.4	4.6	0.29	6	1.9	4.1	
STD DS11	Standard	19	62	0.85	379	0.098	7	1.16	0.072	0.40	3.0	0.27	3.4	4.9	0.27	5	1.6	5.0	
STD OREAS132A	Standard																	4.98	
STD OREAS134B	Standard																	17.61	
STD OXC129	Standard	12	48	1.56	43	0.351	1	1.61	0.597	0.38	<0.1	<0.01	1.6	<0.1	<0.05	5	<0.5	<0.2	
STD OXC129	Standard	12	49	1.51	47	0.363	1	1.51	0.584	0.36	<0.1	<0.01	1.1	<0.1	<0.05	6	<0.5	<0.2	
STD SP49	Standard																		56
STD SP49	Standard																		57
STD SQ70	Standard																		153
STD SQ70	Standard																		160
STD OXC129 Expected		13	52	1.545	50	0.4	1	1.58	0.6	0.37			1.1			5.6			
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 AGPROOF Expected																			94
STD SP49 Expected																			60.2
STD SQ70 Expected																			159.5
STD OREAS132A Expected																		4.96	
STD OREAS134B Expected																		18.03	
BLK	Blank																		<20



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QUALITY CONTROL REPORT

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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
BLK	Blank		<0.1	0.2	<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
BLK	Blank																				
BLK	Blank																				
Prep Wash																					
ROCK-WHI	Prep Blank		0.7	3.0	4.7	35	<0.1	1.5	3.7	543	1.76	1.3	<0.5	2.2	25	<0.1	<0.1	<0.1	24	0.58	0.038



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		AQ202	AQ202	AQ202	AQ202	AQ202	AQ202	AQ202	AQ202	AQ202	AQ202	AQ202	AQ202	AQ202	AQ202	AQ202	AQ202	AQ202	MA404	FA530
		La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se	Te	Zn	Ag
		ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	%	gm/t
		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	20
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																			<20
BLK	Blank																		<0.01	
Prep Wash																				
ROCK-WHI	Prep Blank	7	7	0.48	61	0.094	<1	1.03	0.141	0.12	<0.1	<0.01	3.4	<0.1	0.07	4	<0.5	<0.2		