



**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: August 14, 2017

Report Date: January 09, 2018

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## CERTIFICATE OF ANALYSIS

WHI17000588.2

### CLIENT JOB INFORMATION

Project: Keno Silver  
Shipment ID: Keno 6  
P.O. Number  
Number of Samples: 46

### 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.

### SAMPLE PREPARATION AND ANALYTICAL PROCEDURES

Procedure Code	Number of Samples	Code Description	Test Wgt (g)	Report Status	Lab
PRP70-250	44	Crush, split and pulverize 250 g rock to 200 mesh			WHI
SLBHP	2	Sort, label and box pulps			WHI
AQ202	46	1:1:1 Aqua Regia digestion ICP-MS analysis	30	Completed	VAN
SHP01	46	Per sample shipping charges for branch shipments			VAN
AR402	7	Aqua Regia Digestion 0.5g / 100 mL (SCH)	0.5	Completed	VAN
FA430	1	Lead collection fire assay fusion - AAS finish	30	Completed	VAN
GC817	2	Lead Assay by Classical Titration	0.5	Completed	VAN
FA530-Ag	2	Lead collection fire assay fusion - Grav finish	30	Completed	VAN
EN002	2	Environmental disposal charge-Fire assay lead waste			VAN
SPG04	5	Specific Gravity by Picnometry		Completed	VAN

### ADDITIONAL COMMENTS

Version 2 : SPG04 included.

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

CC: Debbie James  
Stuart Morris



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

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	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
114176	Rock	2.08	<0.1	2.3	1.7	14	<0.1	1.7	0.6	250	0.48	0.8	2.1	<0.1	43	<0.1	<0.1	<0.1	6	19.56	0.014
114177	Rock	1.08	2.4	44.7	11.9	48	0.4	25.6	20.8	3111	0.77	10.0	1.3	1.0	6	1.0	0.6	0.2	2	0.04	0.011
114178	Rock	1.30	2.4	37.0	13.4	175	0.6	27.9	21.5	1607	1.38	15.6	2.0	3.4	5	1.4	2.6	0.1	6	0.14	0.024
114179	Rock	1.00	2.3	60.6	34.4	150	0.7	15.7	8.8	2554	1.04	11.2	0.9	0.5	7	2.6	1.8	0.4	<2	0.01	0.012
114180	Rock	0.63	0.5	31.6	17.0	386	2.6	21.6	8.3	2592	0.98	40.4	2.5	0.8	8	9.1	1.8	<0.1	2	0.02	0.012
114181	Rock	1.46	0.5	4.1	3.5	18	0.1	4.9	1.2	51	0.65	3.9	2.3	2.1	5	0.1	0.7	<0.1	4	0.04	0.019
114182	Rock	1.37	0.5	7.3	9.8	31	0.2	9.8	3.4	136	0.97	2.9	2.2	2.7	8	0.2	0.5	0.2	7	0.11	0.041
114183	Rock	2.09	0.4	2.8	4.6	42	0.2	4.7	1.2	159	0.46	9.4	8.0	0.8	3	0.8	0.9	<0.1	2	0.05	0.020
114202	Rock	4.91	0.5	5.0	7.1	32	0.4	4.8	1.1	87	0.58	10.5	2.3	1.1	2	0.1	1.5	0.1	<2	0.01	0.005
114203	Rock	1.08	0.4	3.7	1.2	15	<0.1	5.7	2.2	41	0.40	0.9	<0.5	0.9	2	<0.1	0.1	<0.1	<2	0.05	0.022
1891251	Rock	2.62	0.5	13.3	177.5	185	1.4	4.7	1.3	168	1.25	19.1	<0.5	1.6	9	0.7	4.1	<0.1	<2	0.09	0.021
1891252	Rock	4.23	0.4	3.1	57.0	27	0.8	1.5	0.4	69	0.34	3.5	<0.5	1.1	6	0.4	1.6	<0.1	<2	0.02	0.003
1891253	Rock	1.20	1.2	7.2	532.5	208	8.9	4.0	0.8	311	1.33	62.7	0.9	5.4	30	2.8	9.9	0.2	7	0.04	0.037
1891254	Rock	3.57	0.5	10.1	145.8	116	5.8	2.5	0.8	131	0.83	27.6	1.0	1.4	6	1.1	5.8	<0.1	<2	0.07	0.009
1891255	Rock	3.40	0.3	4.5	90.9	63	2.4	1.4	0.4	92	0.46	20.4	0.7	1.0	5	0.7	3.5	<0.1	<2	0.02	0.005
1891256	Rock Pulp	0.08	8.3	1883.8	>10000	>10000	64.2	17.1	19.9	1503	4.06	59.3	38.4	2.8	97	123.3	170.1	5.8	77	1.93	0.052
1891257	Rock	2.78	0.4	8.6	198.7	346	1.7	2.2	0.8	1345	1.20	29.6	1.0	1.2	6	3.9	2.7	<0.1	<2	0.05	0.017
1891258	Rock	1.47	0.5	26.4	850.0	479	8.7	2.3	0.8	870	1.47	108.2	2.9	2.4	14	5.4	14.3	<0.1	<2	0.07	0.030
1891259	Rock	2.33	1.0	774.2	>10000	>10000	>100	36.1	6.5	>10000	25.24	797.4	758.5	9.4	13	394.2	>2000	0.8	<2	0.12	0.100
1891260	Rock	1.41	<0.1	1.3	57.4	35	1.4	0.4	<0.1	199	0.08	1.9	1.1	<0.1	72	0.5	1.5	<0.1	<2	31.02	0.007
1891261	Rock	4.49	0.8	314.8	9770.0	>10000	>100	12.7	2.8	>10000	18.03	1610.2	717.6	1.3	8	1227.0	300.0	<0.1	3	0.14	0.031
1891262	Rock	5.46	0.7	193.4	9331.4	>10000	>100	13.4	3.1	>10000	16.94	>10000	970.7	1.2	10	791.9	251.5	<0.1	3	0.10	0.017
1891263	Rock	2.41	<0.1	1.6	23.5	86	0.4	0.7	<0.1	212	0.09	23.6	1.5	<0.1	77	1.2	0.6	<0.1	<2	30.99	0.006
1891264	Rock	3.15	0.9	13.8	564.2	928	16.7	3.1	0.9	1346	1.54	695.4	6.0	3.8	11	20.1	22.1	0.1	6	0.06	0.011
1891265	Rock	3.31	0.6	44.1	69.8	918	1.0	44.1	11.5	1438	4.41	88.7	0.9	6.5	40	23.1	2.8	0.2	17	0.56	0.030
1891266	Rock	1.68	0.8	25.7	286.8	7555	4.3	24.9	5.9	2208	3.05	752.0	19.4	3.1	9	96.3	9.4	0.1	5	0.07	0.014
1891267	Rock	4.00	0.4	3.6	26.3	182	0.3	4.9	1.1	104	0.73	12.4	<0.5	1.3	4	1.7	2.2	<0.1	<2	0.01	0.030
1891268	Rock	2.12	1.1	10.3	27.0	414	0.9	10.1	2.4	167	1.71	25.5	<0.5	5.1	13	3.6	2.9	0.1	5	<0.01	0.036
1891269	Rock	3.19	1.0	3.4	41.4	306	0.8	1.9	0.5	147	1.33	15.8	<0.5	4.5	27	2.9	2.2	<0.1	6	0.01	0.041
1891270	Rock	3.73	0.7	2.8	211.9	443	2.3	2.1	0.6	210	0.74	16.3	1.4	1.8	11	3.4	2.8	<0.1	4	<0.01	0.023



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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	AR402	AR402	AR402
		La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Ti	S	Ga	Se	Te	Ag	Cu	Pb
		ppm	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	2	0.001	0.01
114176	Rock	<1	1	12.37	18	0.001	1	0.06	0.002	0.05	<0.1	<0.01	0.3	<0.1	<0.05	<1	<0.5	<0.2			
114177	Rock	3	3	0.09	127	0.001	<1	0.20	0.004	0.02	<0.1	<0.01	0.6	<0.1	<0.05	<1	<0.5	<0.2			
114178	Rock	12	7	0.18	97	0.003	1	0.44	0.006	0.07	<0.1	0.03	1.4	<0.1	<0.05	1	<0.5	<0.2			
114179	Rock	2	3	0.02	196	<0.001	2	0.12	0.003	0.03	<0.1	<0.01	0.5	<0.1	<0.05	<1	<0.5	<0.2			
114180	Rock	4	3	0.02	104	<0.001	3	0.13	0.004	0.04	<0.1	<0.01	1.2	<0.1	<0.05	<1	<0.5	<0.2			
114181	Rock	6	7	0.04	23	0.003	1	0.17	0.003	0.02	<0.1	0.01	0.5	<0.1	<0.05	<1	<0.5	<0.2			
114182	Rock	7	10	0.08	50	0.003	2	0.39	0.005	0.05	<0.1	0.01	0.7	<0.1	<0.05	<1	<0.5	<0.2			
114183	Rock	2	4	0.01	33	0.003	1	0.08	0.002	0.02	<0.1	0.02	0.4	0.1	<0.05	<1	<0.5	<0.2			
114202	Rock	4	4	<0.01	15	<0.001	2	0.04	0.002	0.02	<0.1	<0.01	0.3	<0.1	<0.05	<1	<0.5	<0.2			
114203	Rock	3	6	0.02	12	<0.001	<1	0.07	<0.001	<0.01	<0.1	0.01	0.3	<0.1	<0.05	<1	<0.5	<0.2			
1891251	Rock	5	4	<0.01	20	<0.001	<1	0.09	0.003	0.04	<0.1	0.02	0.4	<0.1	0.15	<1	<0.5	<0.2			
1891252	Rock	5	4	<0.01	26	<0.001	1	0.07	0.003	0.05	<0.1	<0.01	0.2	<0.1	0.07	<1	<0.5	<0.2			
1891253	Rock	19	7	0.02	61	<0.001	2	0.20	0.011	0.12	<0.1	0.05	0.4	0.1	0.24	<1	0.5	<0.2			
1891254	Rock	5	5	<0.01	25	<0.001	3	0.08	0.003	0.04	<0.1	0.04	0.3	<0.1	0.13	<1	<0.5	<0.2			
1891255	Rock	5	4	<0.01	19	<0.001	2	0.06	0.002	0.04	<0.1	0.02	0.2	<0.1	0.06	<1	<0.5	<0.2			
1891256	Rock Pulp	8	25	1.30	95	0.134	1	1.61	0.197	0.20	1.1	0.52	3.4	1.0	1.64	5	3.2	0.2	60	0.189	1.35
1891257	Rock	4	4	0.01	16	<0.001	2	0.07	0.002	0.03	<0.1	0.02	0.2	<0.1	0.17	<1	<0.5	<0.2			
1891258	Rock	9	5	0.01	32	<0.001	3	0.11	0.004	0.05	<0.1	0.11	0.4	<0.1	0.25	<1	<0.5	<0.2			
1891259	Rock	2	4	0.10	6	<0.001	2	0.42	0.001	<0.01	<0.1	2.05	1.7	0.9	4.49	1	1.3	<0.2	>1000	0.071	>10
1891260	Rock	1	<1	0.55	15	0.001	2	0.03	0.003	<0.01	<0.1	<0.01	0.2	<0.1	<0.05	<1	<0.5	<0.2			
1891261	Rock	1	4	0.24	5	<0.001	2	0.38	0.002	<0.01	0.1	6.10	1.9	0.3	5.54	3	<0.5	<0.2	194	0.031	0.94
1891262	Rock	2	3	0.19	17	<0.001	3	0.18	0.004	0.03	0.1	2.55	1.2	0.3	5.80	3	<0.5	<0.2	132	0.017	0.89
1891263	Rock	1	<1	0.92	14	0.001	2	0.03	0.003	<0.01	<0.1	<0.01	0.2	<0.1	<0.05	<1	<0.5	<0.2			
1891264	Rock	13	6	0.02	107	<0.001	4	0.25	0.009	0.16	<0.1	0.07	0.6	0.2	0.37	<1	0.7	<0.2			
1891265	Rock	11	15	0.68	77	<0.001	2	0.98	0.009	0.14	<0.1	<0.01	2.5	0.1	0.52	2	0.5	<0.2			
1891266	Rock	7	6	0.07	38	<0.001	5	0.21	0.007	0.13	<0.1	0.22	0.8	0.1	3.07	<1	<0.5	<0.2			
1891267	Rock	4	4	<0.01	14	<0.001	1	0.06	0.003	0.03	<0.1	<0.01	0.2	<0.1	0.06	<1	<0.5	<0.2			
1891268	Rock	13	8	<0.01	63	<0.001	4	0.20	0.013	0.12	<0.1	0.02	0.5	<0.1	0.12	<1	3.8	<0.2			
1891269	Rock	9	8	<0.01	118	<0.001	3	0.17	0.015	0.25	<0.1	0.03	0.4	0.2	0.43	<1	0.9	<0.2			
1891270	Rock	6	6	<0.01	63	<0.001	2	0.09	0.005	0.08	<0.1	0.04	0.4	<0.1	0.15	<1	<0.5	<0.2			



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Method	AR402	FA430	GC817	FA530	SPG04
Analyte	Zn	Au	Pb	Ag	Density
Unit	%	ppm	%	gm/t	g/cm3
MDL	0.01	0.005	2	20	0.01
114176	Rock				
114177	Rock				
114178	Rock				
114179	Rock				
114180	Rock				
114181	Rock				
114182	Rock				
114183	Rock				
114202	Rock				
114203	Rock				
1891251	Rock				
1891252	Rock				
1891253	Rock				
1891254	Rock				
1891255	Rock				
1891256	Rock Pulp	1.58			
1891257	Rock				
1891258	Rock				
1891259	Rock	1.70	15.47	1607	3.84
1891260	Rock				
1891261	Rock	9.95			3.33
1891262	Rock	4.89			3.29
1891263	Rock				
1891264	Rock				
1891265	Rock				
1891266	Rock				
1891267	Rock				
1891268	Rock				
1891269	Rock				
1891270	Rock				



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		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
1891271	Rock	2.58	0.5	13.7	275.4	753	4.3	1.7	0.7	381	2.35	39.9	1.3	3.1	10	7.9	5.0	<0.1	4	<0.01	0.057
1891272	Rock	2.25	0.5	15.6	1735.9	1166	14.6	1.4	0.4	483	2.19	159.5	3.8	3.8	9	19.3	18.1	0.1	5	0.08	0.058
1891273	Rock	1.71	<0.1	1.4	4.9	7	<0.1	<0.1	0.3	112	0.09	1.4	<0.5	<0.1	74	<0.1	<0.1	<0.1	<2	34.59	0.006
1891274	Rock	3.86	0.3	933.6	>10000	>10000	>100	3.3	0.8	7203	3.48	1239.7	108.4	4.4	11	856.2	>2000	0.2	2	0.02	0.025
1891275	Rock	2.53	<0.1	5.3	539.6	99	5.4	<0.1	0.4	108	0.07	3.0	3.2	<0.1	73	0.7	5.5	<0.1	<2	34.08	0.007
1891276	Rock Pulp	0.08	6.0	>10000	1757.0	9225	>100	116.9	16.7	131	2.84	1852.2	5811.1	1.8	38	62.4	171.6	165.3	10	0.24	0.017
1891277	Rock	1.87	<0.1	3.6	29.7	13	0.2	<0.1	0.3	119	0.07	1.5	1.2	<0.1	71	<0.1	0.3	<0.1	<2	34.56	0.006
1891278	Rock	2.46	0.3	553.1	>10000	>10000	>100	4.1	0.5	>10000	19.69	1535.3	456.1	1.4	7	328.0	593.3	<0.1	4	0.06	0.041
1891279	Rock	0.99	0.4	39.4	3852.1	4591	28.6	1.5	0.4	803	2.54	277.3	58.4	1.0	3	42.6	34.8	<0.1	<2	0.02	0.017
1891280	Rock	3.72	0.6	19.6	336.3	558	3.8	1.8	0.5	241	1.72	97.6	<0.5	2.3	4	5.8	6.3	<0.1	3	<0.01	0.022
1891281	Rock	3.89	0.5	16.1	123.7	379	2.1	1.6	0.6	181	1.07	61.6	<0.5	2.3	10	4.1	3.9	<0.1	2	0.02	0.024
1891282	Rock	2.04	1.4	39.1	103.1	1219	1.5	6.9	1.0	529	2.73	143.9	1.7	8.9	39	12.3	5.7	0.1	5	0.04	0.090
1891283	Rock	4.30	0.5	18.8	31.9	632	0.5	8.0	1.1	380	0.91	20.3	0.5	2.5	11	13.7	2.2	<0.1	2	0.06	0.030
1891284	Rock	2.03	<0.1	1.6	3.0	5	<0.1	<0.1	0.4	95	0.09	0.6	1.1	<0.1	73	<0.1	<0.1	<0.1	<2	34.46	0.006
1891285	Rock	1.46	1.1	32.7	35.1	215	1.5	21.9	6.1	650	2.23	119.5	<0.5	3.6	49	4.1	6.5	0.1	7	0.92	0.043
1891286	Rock	2.18	0.8	29.2	35.0	220	1.9	20.3	5.1	769	2.13	106.5	0.8	4.1	51	5.6	6.4	<0.1	7	0.83	0.040



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**Project:** Keno Silver  
**Report Date:** January 09, 2018

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# CERTIFICATE OF ANALYSIS

WHI17000588.2

	Method Analyte Unit MDL	AQ202	AQ202	AQ202	AQ202	AQ202	AQ202	AQ202	AQ202	AQ202	AQ202	AQ202	AQ202	AQ202	AQ202	AQ202	AQ202	AQ202	AR402	AR402	AR402
		La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Ti	S	Ga	Se	Te	Ag	Cu	Pb
		ppm	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	2	0.001	0.01
1891271	Rock	8	7	<0.01	55	<0.001	2	0.16	0.006	0.09	<0.1	0.21	0.5	<0.1	0.18	<1	0.5	<0.2			
1891272	Rock	9	8	0.01	61	<0.001	4	0.15	0.007	0.10	<0.1	0.28	0.5	0.1	0.28	<1	0.9	<0.2			
1891273	Rock	1	<1	0.64	18	0.001	2	0.02	0.002	<0.01	<0.1	<0.01	0.2	<0.1	<0.05	<1	<0.5	<0.2			
1891274	Rock	1	8	0.03	19	<0.001	2	0.41	0.002	0.03	<0.1	3.65	2.8	1.3	9.47	1	4.7	<0.2	>1000	0.091	>10
1891275	Rock	1	<1	0.57	17	0.001	2	0.02	0.002	<0.01	<0.1	0.01	0.2	<0.1	<0.05	<1	<0.5	<0.2			
1891276	Rock Pulp	5	32	0.05	19	0.006	<1	0.63	0.024	0.09	3.2	1.69	1.2	4.2	3.43	6	63.0	64.1	290	1.024	0.18
1891277	Rock	1	<1	0.75	17	0.002	<1	0.02	0.003	<0.01	<0.1	0.01	0.3	<0.1	<0.05	<1	<0.5	<0.2			
1891278	Rock	1	5	0.04	8	<0.001	<1	0.74	0.003	<0.01	0.2	2.69	2.5	0.5	2.11	2	0.9	<0.2	402	0.051	4.65
1891279	Rock	3	4	<0.01	12	<0.001	<1	0.08	0.004	0.02	0.2	0.33	0.2	<0.1	0.35	<1	<0.5	<0.2			
1891280	Rock	8	7	<0.01	45	<0.001	1	0.16	0.005	0.07	0.1	0.06	0.3	<0.1	0.10	<1	<0.5	<0.2			
1891281	Rock	9	6	<0.01	32	<0.001	<1	0.14	0.007	0.06	<0.1	0.05	0.4	<0.1	0.06	<1	<0.5	<0.2			
1891282	Rock	17	9	0.01	71	<0.001	1	0.32	0.019	0.13	<0.1	0.04	0.9	0.2	0.17	<1	1.4	<0.2			
1891283	Rock	7	6	0.01	30	<0.001	<1	0.16	0.007	0.06	<0.1	0.01	0.6	<0.1	0.07	<1	<0.5	<0.2			
1891284	Rock	1	<1	0.52	16	0.001	<1	0.02	0.003	<0.01	<0.1	<0.01	0.2	<0.1	<0.05	<1	<0.5	<0.2			
1891285	Rock	5	8	0.19	50	<0.001	<1	0.34	0.004	0.09	<0.1	<0.01	1.1	<0.1	0.84	<1	1.1	<0.2			
1891286	Rock	7	9	0.22	60	<0.001	1	0.38	0.007	0.10	<0.1	<0.01	1.1	0.1	0.62	<1	0.9	<0.2			



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## CERTIFICATE OF ANALYSIS

WHI17000588.2

Method	AR402	FA430	GC817	FA530	SPG04
Analyte	Zn	Au	Pb	Ag	Density
Unit	%	ppm	%	gm/t	g/cm3
MDL	0.01	0.005	2	20	0.01
1891271	Rock				
1891272	Rock				
1891273	Rock				
1891274	Rock	4.69	47.30	2408	4.63
1891275	Rock				
1891276	Rock Pulp	0.89	5.231		
1891277	Rock				
1891278	Rock	2.74			3.09
1891279	Rock				
1891280	Rock				
1891281	Rock				
1891282	Rock				
1891283	Rock				
1891284	Rock				
1891285	Rock				
1891286	Rock				



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## QUALITY CONTROL REPORT

WHI17000588.2

	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
Pulp Duplicates																					
1891259	Rock	2.33	1.0	774.2	>10000	>10000	>100	36.1	6.5	>10000	25.24	797.4	758.5	9.4	13	394.2	>2000	0.8	<2	0.12	0.100
REP 1891259	QC		0.7	776.1	>10000	>10000	>100	36.3	6.4	>10000	25.21	812.7	728.8	9.8	13	402.5	>2000	0.9	<2	0.12	0.100
1891262	Rock	5.46	0.7	193.4	9331.4	>10000	>100	13.4	3.1	>10000	16.94	>10000	970.7	1.2	10	791.9	251.5	<0.1	3	0.10	0.017
REP 1891262	QC																				
1891274	Rock	3.86	0.3	933.6	>10000	>10000	>100	3.3	0.8	7203	3.48	1239.7	108.4	4.4	11	856.2	>2000	0.2	2	0.02	0.025
REP 1891274	QC																				
1891278	Rock	2.46	0.3	553.1	>10000	>10000	>100	4.1	0.5	>10000	19.69	1535.3	456.1	1.4	7	328.0	593.3	<0.1	4	0.06	0.041
REP 1891278	QC																				
1891281	Rock	3.89	0.5	16.1	123.7	379	2.1	1.6	0.6	181	1.07	61.6	<0.5	2.3	10	4.1	3.9	<0.1	2	0.02	0.024
REP 1891281	QC		0.5	16.3	120.8	371	2.0	1.6	0.6	180	1.06	61.7	<0.5	2.2	10	4.0	4.0	<0.1	2	0.02	0.024
Core Reject Duplicates																					
1891252	Rock	4.23	0.4	3.1	57.0	27	0.8	1.5	0.4	69	0.34	3.5	<0.5	1.1	6	0.4	1.6	<0.1	<2	0.02	0.003
DUP 1891252	QC		0.4	2.4	62.0	28	0.9	1.3	0.5	68	0.34	3.8	<0.5	1.1	6	0.4	1.6	<0.1	<2	0.02	0.004
1891286	Rock	2.18	0.8	29.2	35.0	220	1.9	20.3	5.1	769	2.13	106.5	0.8	4.1	51	5.6	6.4	<0.1	7	0.83	0.040
DUP 1891286	QC		0.7	28.7	33.9	213	1.8	19.7	4.8	762	2.10	103.2	2.1	3.9	49	5.4	6.2	<0.1	7	0.83	0.041
Reference Materials																					
STD AGPROOF	Standard																				
STD AMIS0330	Standard																				
STD AMIS0349	Standard																				
STD CPB-2	Standard																				
STD CPB-2	Standard																				
STD DS11	Standard		14.0	153.3	130.7	333	1.7	77.4	14.1	1032	3.18	43.8	75.4	7.6	64	2.4	7.9	11.3	49	1.03	0.071
STD DS11	Standard		14.1	156.6	144.9	337	1.8	81.6	14.2	1053	3.12	41.0	111.8	8.4	75	2.5	8.4	13.0	50	1.06	0.067
STD OREAS132A	Standard																				
STD OREAS134B	Standard																				
STD OREAS132A	Standard																				
STD OREAS134B	Standard																				
STD OXC129	Standard		1.3	28.4	6.7	41	<0.1	79.7	20.5	417	3.05	0.6	203.0	1.9	195	<0.1	<0.1	<0.1	52	0.64	0.098





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## QUALITY CONTROL REPORT

WHI17000588.2

Method Analyte Unit MDL		AQ202	AQ202	AQ202	AQ202	AQ202	AQ202	AQ202	AQ202	AQ202	AQ202	AQ202	AQ202	AQ202	AQ202	AQ202	AQ202	AQ202	AR402		
		La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Ti	S	Ga	Se	Te	Pb	Zn	Ag
		ppm	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	2
Pulp Duplicates																					
1891259	Rock	2	4	0.10	6	<0.001	2	0.42	0.001	<0.01	<0.1	2.05	1.7	0.9	4.49	1	1.3	<0.2	>10	1.70	>1000
REP 1891259	QC	2	4	0.10	6	<0.001	1	0.43	0.001	<0.01	<0.1	2.00	1.6	1.0	4.41	2	2.3	<0.2			
1891262	Rock	2	3	0.19	17	<0.001	3	0.18	0.004	0.03	0.1	2.55	1.2	0.3	5.80	3	<0.5	<0.2	0.89	4.89	132
REP 1891262	QC																		0.88	4.87	131
1891274	Rock	1	8	0.03	19	<0.001	2	0.41	0.002	0.03	<0.1	3.65	2.8	1.3	9.47	1	4.7	<0.2	>10	4.69	>1000
REP 1891274	QC																				
1891278	Rock	1	5	0.04	8	<0.001	<1	0.74	0.003	<0.01	0.2	2.69	2.5	0.5	2.11	2	0.9	<0.2	4.65	2.74	402
REP 1891278	QC																		4.60	2.76	394
1891281	Rock	9	6	<0.01	32	<0.001	<1	0.14	0.007	0.06	<0.1	0.05	0.4	<0.1	0.06	<1	<0.5	<0.2			
REP 1891281	QC	8	6	<0.01	32	<0.001	<1	0.13	0.007	0.06	<0.1	0.04	0.3	<0.1	0.06	<1	<0.5	<0.2			
Core Reject Duplicates																					
1891252	Rock	5	4	<0.01	26	<0.001	1	0.07	0.003	0.05	<0.1	<0.01	0.2	<0.1	0.07	<1	<0.5	<0.2			
DUP 1891252	QC	6	4	<0.01	28	<0.001	3	0.08	0.004	0.06	<0.1	<0.01	0.2	<0.1	0.07	<1	<0.5	<0.2			
1891286	Rock	7	9	0.22	60	<0.001	1	0.38	0.007	0.10	<0.1	<0.01	1.1	0.1	0.62	<1	0.9	<0.2			
DUP 1891286	QC	7	8	0.22	58	<0.001	1	0.38	0.006	0.10	<0.1	<0.01	1.1	<0.1	0.62	<1	0.6	<0.2			
Reference Materials																					
STD AGPROOF	Standard																				
STD AMIS0330	Standard																				
STD AMIS0349	Standard																				
STD CPB-2	Standard																				
STD CPB-2	Standard																				
STD DS11	Standard	18	59	0.84	357	0.085	7	1.14	0.071	0.39	3.0	0.25	3.3	4.5	0.27	5	2.4	4.5			
STD DS11	Standard	20	59	0.84	355	0.096	7	1.16	0.071	0.40	2.9	0.27	3.2	4.8	0.28	5	2.8	5.1			
STD OREAS132A	Standard																		3.65	4.95	55
STD OREAS134B	Standard																		>10	>10	198
STD OREAS132A	Standard																		3.70	5.03	56
STD OREAS134B	Standard																		>10	>10	200
STD OXC129	Standard	13	51	1.52	52	0.376	<1	1.52	0.579	0.36	<0.1	<0.01	0.9	<0.1	<0.05	5	<0.5	<0.2			



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## QUALITY CONTROL REPORT

WHI17000588.2

Method	AR402	FA430	GC817	FA530	SPG04
Analyte	Cu	Au	Pb	Ag	Density
Unit	%	ppm	%	gm/t	g/cm3
MDL	0.001	0.005	2	20	0.01
Pulp Duplicates					
1891259	Rock	0.071	15.47	1607	3.84
REP 1891259	QC				3.90
1891262	Rock	0.017			3.29
REP 1891262	QC	0.017			
1891274	Rock	0.091	47.30	2408	4.63
REP 1891274	QC		46.71		
1891278	Rock	0.051			3.09
REP 1891278	QC	0.051			
1891281	Rock				
REP 1891281	QC				
Core Reject Duplicates					
1891252	Rock				
DUP 1891252	QC				
1891286	Rock				
DUP 1891286	QC				
Reference Materials					
STD AGPROOF	Standard			94	
STD AMIS0330	Standard				3.22
STD AMIS0349	Standard				2.81
STD CPB-2	Standard		63.22		
STD CPB-2	Standard		63.30		
STD DS11	Standard				
STD DS11	Standard				
STD OREAS132A	Standard	0.044			
STD OREAS134B	Standard	0.133			
STD OREAS132A	Standard	0.044			
STD OREAS134B	Standard	0.131			
STD OXC129	Standard				



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## QUALITY CONTROL REPORT

WHI17000588.2

		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 OXC129	Standard		1.3	28.2	7.0	39	<0.1	82.3	21.5	437	3.08	<0.5	201.9	2.2	211	<0.1	<0.1	<0.1	53	0.68	0.101
STD OXC145	Standard																				
STD OXH122	Standard																				
STD OXN117	Standard																				
STD SP49	Standard																				
STD SQ70	Standard																				
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	149	138	345	1.71	77.7	14.2	1055	3.1	42.8	79	7.65	67.3	2.37	8.74	12.2	50	1.063	0.0701
STD OXN117 Expected																					
STD OXC145 Expected																					
STD OXH122 Expected																					
STD OREAS132A Expected																					
STD OREAS134B Expected																					
STD AGPROOF Expected																					
STD SP49 Expected																					
STD SQ70 Expected																					
STD CPB-2 Expected																					
STD AMIS0330 Expected																					
STD AMIS0349 Expected																					
BLK	Blank		<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	<0.1	<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																				
BLK	Blank																				
BLK	Blank																				
BLK	Blank																				
BLK	Blank																				
Prep Wash																					
ROCK-WHI	Prep Blank		0.7	4.3	2.9	34	<0.1	0.9	3.5	534	1.77	2.7	2.2	2.4	25	<0.1	<0.1	<0.1	22	0.58	0.038
ROCK-WHI	Prep Blank		0.6	4.8	1.9	33	<0.1	1.1	4.2	524	1.77	1.3	3.1	2.3	27	<0.1	<0.1	<0.1	25	0.62	0.039



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		AQ202	AQ202	AQ202	AQ202	AQ202	AQ202	AQ202	AQ202	AQ202	AQ202	AQ202	AQ202	AQ202	AQ202	AQ202	AQ202	AQ202	AR402	AR402	
		La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se	Te	Pb	Zn	Ag
		ppm	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	2
STD OXC129	Standard	14	53	1.56	53	0.417	2	1.58	0.605	0.38	<0.1	<0.01	0.8	<0.1	<0.05	5	<0.5	<0.2			
STD OXC145	Standard																				
STD OXH122	Standard																				
STD OXN117	Standard																				
STD SP49	Standard																				
STD SQ70	Standard																				
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	0.26	3.4	4.9	0.2835	5.1	2.2	4.56			
STD OXN117 Expected																					
STD OXC145 Expected																					
STD OXH122 Expected																					
STD OREAS132A Expected																			3.66	4.96	58
STD OREAS134B Expected																			13.31	17.7	204
STD AGPROOF Expected																					
STD SP49 Expected																					
STD SQ70 Expected																					
STD CPB-2 Expected																					
STD AMIS0330 Expected																					
STD AMIS0349 Expected																					
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	<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																				
BLK	Blank																		<0.01	<0.01	<2
BLK	Blank																		<0.01	<0.01	<2
BLK	Blank																				
Prep Wash																					
ROCK-WHI	Prep Blank	6	2	0.47	59	0.080	1	0.90	0.095	0.10	0.1	<0.01	2.8	<0.1	<0.05	4	<0.5	<0.2			
ROCK-WHI	Prep Blank	6	2	0.49	54	0.078	3	1.02	0.107	0.10	0.1	<0.01	2.6	<0.1	<0.05	4	<0.5	<0.2			



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**Project:** Keno Silver  
**Report Date:** January 09, 2018

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**Part:** 3 of 3

## QUALITY CONTROL REPORT

WHI17000588.2

		AR402 Cu %	FA430 Au ppm	GC817 Pb %	FA530 Ag gm/t	SPG04 Density g/cm3
		0.001	0.005	2	20	0.01
STD OXC129	Standard					
STD OXC145	Standard		0.219			
STD OXH122	Standard		1.250			
STD OXN117	Standard		7.452			
STD SP49	Standard				56	
STD SQ70	Standard				153	
STD OXC129 Expected						
STD DS11 Expected						
STD OXN117 Expected			7.679			
STD OXC145 Expected			0.212			
STD OXH122 Expected			1.247			
STD OREAS132A Expected		0.0458				
STD OREAS134B Expected		0.1363				
STD AGPROOF Expected					94	
STD SP49 Expected					60.2	
STD SQ70 Expected					159.5	
STD CPB-2 Expected				63.52		
STD AMIS0330 Expected						3.21
STD AMIS0349 Expected						2.77
BLK	Blank					
BLK	Blank					
BLK	Blank		0.006			
BLK	Blank		<0.005			
BLK	Blank	<0.001				
BLK	Blank	<0.001				
BLK	Blank				<20	
Prep Wash						
ROCK-WHI	Prep Blank					
ROCK-WHI	Prep Blank					