



**BUREAU
VERITAS**

MINERAL LABORATORIES
Canada

www.bureauveritas.com/um

Bureau Veritas Commodities Canada Ltd.

9050 Shaughnessy St Vancouver British Columbia V6P 6E5 Canada

PHONE (604) 253-3158

Client:

Kreft, Bernie

1 Locust Place

Whitehorse Yukon Y1A 5G9 Canada

Submitted By: Bernie Kreft

Receiving Lab: Canada-Whitehorse

Received: November 27, 2019

Report Date: December 10, 2019

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CERTIFICATE OF ANALYSIS

WHI19000768.1

CLIENT JOB INFORMATION

Project: None Given

Shipment ID:

P.O. Number

Number of Samples: 8

SAMPLE DISPOSAL

DISP-PLP Dispose of Pulp After 90 days

DISP-RJT Dispose of Reject After 60 days

SAMPLE PREPARATION AND ANALYTICAL PROCEDURES

Procedure Code	Number of Samples	Code Description	Test Wgt (g)	Report Status	Lab
PRP70-250	8	Crush, split and pulverize 250 g rock to 200 mesh			WHI
FA430	8	Lead Collection Fire - Assay Fusion - AAS Finish	30	Completed	VAN
EN002	8	Environmental disposal charge-Fire assay lead waste			VAN
AQ300	8	1:1:1 Aqua Regia digestion ICP-ES analysis	0.5	Completed	VAN
SHP01	8	Per sample shipping charges for branch shipments			VAN
BAT01	1	Batch charge of <20 samples			VAN
FA530	1	Lead collection fire assay 30G fusion - Grav finish	30	Completed	VAN

ADDITIONAL COMMENTS

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: Kreft, Bernie
1 Locust Place
Whitehorse Yukon Y1A 5G9
Canada

CC:


MAY LAI
Data Validation Specialist

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	FA430	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300
		Wgt	Au	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	Th	Sr	Cd	Sb	Bi	V	Ca	P
		kg	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	%
		0.01	0.005	1	1	3	1	0.3	1	1	2	0.01	2	2	1	0.5	3	3	1	0.01	0.001
BGRR19-01	Rock	1.24	0.013	<1	62	<3	60	<0.3	6	29	3277	5.01	<2	<2	61	<0.5	<3	<3	17	9.86	0.056
BGRR19-02	Rock	0.47	0.024	<1	300	<3	75	0.5	4	15	957	4.15	<2	<2	16	<0.5	<3	<3	28	3.81	0.091
BGRR19-03	Rock	1.45	0.462	1	2	<3	17	<0.3	3	6	967	2.68	11	<2	15	<0.5	<3	<3	5	2.44	0.018
BGRR19-04	Rock	1.04	>10	2	13	6	35	2.4	4	13	1321	3.10	93	<2	99	0.7	<3	<3	9	5.80	0.002
IDT4-05	Rock	0.16	2.453	<1	14	6	20	<0.3	3	4	1060	1.33	3	<2	108	<0.5	<3	<3	9	4.37	0.009
IDT4-08	Rock	1.74	0.542	<1	23	43	20	<0.3	2	4	4419	1.88	<2	<2	608	3.8	<3	<3	3	29.04	0.010
IDT4-09	Rock	0.36	0.718	2	7	19	130	<0.3	27	14	5167	8.38	104	<2	176	4.1	<3	<3	12	22.10	0.020
IDT4-09A	Rock	0.55	3.138	2	17	13	142	0.6	63	28	3642	10.23	150	<2	96	2.9	<3	<3	15	18.02	<0.001



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	Method Analyte Unit MDL	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	FA530
		La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	S	Hg	Tl	Ga	Sc	Au
		ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	%	ppm	ppm	ppm	ppm	gm/t
		1	1	0.01	1	0.001	20	0.01	0.01	0.01	2	0.05	1	5	5	5	0.9
BGRR19-01	Rock	1	2	1.08	38	0.001	<20	0.45	0.06	0.17	<2	0.66	<1	<5	<5	<5	
BGRR19-02	Rock	4	1	0.22	54	0.002	<20	0.91	0.07	0.23	<2	0.34	<1	<5	<5	6	
BGRR19-03	Rock	4	2	0.05	67	<0.001	<20	0.25	0.02	0.12	<2	<0.05	<1	<5	<5	5	
BGRR19-04	Rock	1	2	0.19	1736	<0.001	<20	0.20	<0.01	0.10	<2	0.26	<1	<5	11	6	16.4
IDT4-05	Rock	1	2	0.13	68	<0.001	<20	0.38	<0.01	0.15	<2	<0.05	<1	<5	8	<5	
IDT4-08	Rock	<1	<1	0.61	23	<0.001	<20	0.17	<0.01	0.07	<2	<0.05	<1	<5	<5	15	
IDT4-09	Rock	2	<1	0.52	130	<0.001	<20	0.82	0.01	0.17	<2	0.19	<1	<5	11	22	
IDT4-09A	Rock	2	1	0.46	137	<0.001	<20	0.66	0.01	0.24	<2	0.36	<1	<5	<5	15	



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QUALITY CONTROL REPORT

WHI19000768.1

	Method	WGHT	FA430	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300
	Analyte	Wgt	Au	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	Th	Sr	Cd	Sb	Bi	V	Ca	P
	Unit	kg	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	%
	MDL	0.01	0.005	1	1	3	1	0.3	1	1	2	0.01	2	2	1	0.5	3	3	1	0.01	0.001
Pulp Duplicates																					
BGRR19-01	Rock	1.24	0.013	<1	62	<3	60	<0.3	6	29	3277	5.01	<2	<2	61	<0.5	<3	<3	17	9.86	0.056
REP BGRR19-01	QC			<1	64	5	62	<0.3	6	31	3365	5.17	<2	<2	62	<0.5	<3	<3	17	10.17	0.059
Reference Materials																					
STD AGPROOF	Standard																				
STD DS11	Standard			14	152	139	347	1.6	78	13	1023	3.21	45	6	66	2.3	6	12	49	1.04	0.069
STD OREAS262	Standard			<1	119	58	151	0.5	65	27	542	3.39	37	8	35	0.7	<3	<3	21	3.00	0.033
STD OXB130	Standard	0.125																			
STD OXI138	Standard	1.817																			
STD OXN117	Standard	7.734																			
STD OXQ114	Standard																				
STD SP49	Standard																				
STD OXI138 Expected		1.86																			
STD OXB130 Expected		0.125																			
STD OXN117 Expected		7.679																			
STD AGPROOF Expected																					
STD SP49 Expected																					
STD OXQ114 Expected																					
STD DS11 Expected				13.9	156	138	345	1.71	81.9	14.2	1055	3.2082	42.8	7.65	67.3	2.37	7.2	12.2	50	1.063	0.0701
STD OREAS262 Expected					118	56	154	0.45	62	26.9	530	3.284	35.8	9.33	36	0.61	3.39		22.5	2.98	0.04
BLK	Blank	<0.005																			
BLK	Blank	<0.005																			
BLK	Blank																				
BLK	Blank			<1	<1	3	<1	<0.3	<1	<1	<2	<0.01	<2	<2	<1	<0.5	<3	<3	<1	<0.01	<0.001
Prep Wash																					
ROCK-WHI	Prep Blank	<0.005		<1	3	<3	30	<0.3	3	3	510	1.84	<2	<2	22	<0.5	<3	<3	23	0.68	0.035



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	Method Analyte Unit MDL	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	FA530
		La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	S	Hg	Tl	Ga	Sc	Au
		ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	%	ppm	ppm	ppm	ppm	gm/t
		1	1	0.01	1	0.001	20	0.01	0.01	0.01	2	0.05	1	5	5	5	0.9
Pulp Duplicates																	
BGRR19-01	Rock	1	2	1.08	38	0.001	<20	0.45	0.06	0.17	<2	0.66	<1	<5	<5	<5	
REP BGRR19-01	QC	1	1	1.11	39	<0.001	<20	0.46	0.06	0.17	<2	0.71	<1	<5	<5	<5	
Reference Materials																	
STD AGPROOF	Standard																<0.9
STD DS11	Standard	17	59	0.85	396	0.088	<20	1.15	0.07	0.40	<2	0.28	<1	<5	<5	<5	
STD OREAS262	Standard	15	41	1.20	253	0.003	<20	1.26	0.07	0.30	<2	0.27	<1	<5	14	<5	
STD OXB130	Standard																
STD OXI138	Standard																
STD OXN117	Standard																
STD OXQ114	Standard																35.6
STD SP49	Standard																18.3
STD OXI138 Expected																	
STD OXB130 Expected																	
STD OXN117 Expected																	
STD AGPROOF Expected																	0
STD SP49 Expected																	18.34
STD OXQ114 Expected																	35.2
STD DS11 Expected		18.6	61.5	0.85	417	0.0976	6	1.129	0.0694	0.4	2.9	0.2835	0.3	4.9	4.7	3.1	
STD OREAS262 Expected		15.9	41.7	1.17	248	0.003		1.204	0.071	0.312		0.253			3.73	3.24	
BLK	Blank																
BLK	Blank																
BLK	Blank																<0.9
BLK	Blank	<1	<1	<0.01	<1	<0.001	<20	<0.01	<0.01	<0.01	<2	<0.05	<1	<5	<5	<5	
Prep Wash																	
ROCK-WHI	Prep Blank	6	4	0.50	45	0.069	<20	0.82	0.05	0.08	<2	<0.05	<1	<5	<5	<5	