



BUREAU VERITAS MINERAL LABORATORIES
Canada

www.bureauveritas.com/um

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

Client: **Richards, Gordon**
6410 Holly Park Drive
Delta BC V4K 4W6 CANADA

Submitted By: Gordon Richards
Receiving Lab: Canada-Whitehorse
Received: July 04, 2016
Report Date: July 14, 2016
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CERTIFICATE OF ANALYSIS

WHI16000068.1

CLIENT JOB INFORMATION

Project: CROOKED
Shipment ID:
P.O. Number
Number of Samples: 6

SAMPLE DISPOSAL

DISP-PLP Dispose of Pulp After 90 days
DISP-RJT-SOIL Immediate Disposal of Soil Reject

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: Richards, Gordon
6410 Holly Park Drive
Delta BC V4K 4W6
CANADA

CC:

SAMPLE PREPARATION AND ANALYTICAL PROCEDURES

Procedure Code	Number of Samples	Code Description	Test Wgt (g)	Report Status	Lab
Dry at 60C	6	Dry at 60C			WHI
SS80	6	Dry at 60C sieve 100g to -80 mesh			WHI
AQ251	6	1:1:1 Aqua Regia digestion Ultratrace ICP-MS analysis	15	Completed	VAN
SHP01	6	Per sample shipping charges for branch shipments			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

WHI16000068.1

Method	Analyte	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251
		Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P
		ppm	ppm	ppm	ppm	ppb	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%
		MDL	0.01	0.01	0.01	0.1	2	0.1	0.1	1	0.01	0.1	0.1	0.2	0.1	0.5	0.01	0.02	0.02	2	0.01
T156	Silt	0.39	9.96	4.72	40.5	60	12.1	5.1	315	1.57	4.8	0.7	3.4	3.4	29.5	0.13	0.46	0.07	29	0.39	0.073
T162	Silt	0.34	7.74	3.57	37.7	46	11.1	4.1	142	1.25	4.3	0.7	<0.2	3.2	27.8	0.11	0.40	0.07	23	0.36	0.082
T248	Silt	0.49	5.87	3.35	32.7	38	8.4	5.3	242	1.14	3.3	0.7	14.6	2.8	27.2	0.08	0.31	0.06	22	0.37	0.077
T271	Silt	0.19	4.33	3.12	29.3	27	7.4	3.4	152	0.84	4.0	0.5	0.8	2.3	20.6	0.10	0.63	0.05	17	0.28	0.068
T274	Silt	0.58	10.81	5.94	53.7	80	14.7	9.6	1372	1.89	12.0	0.8	6.1	3.2	33.8	0.23	0.98	0.09	25	0.50	0.075
S5	Silt	0.60	5.40	3.24	29.7	36	8.3	5.8	283	1.12	3.1	0.6	13.6	2.2	26.7	0.07	0.25	0.08	20	0.35	0.066



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CERTIFICATE OF ANALYSIS

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Method	Analyte	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	
		La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Sc	Tl	S	Hg	Se	Te	Ga
Unit		ppm	ppm	%	ppm	%	ppm	%	%	ppm	ppm	ppm	%	ppb	ppm	ppm	ppm	
MDL		0.5	0.5	0.01	0.5	0.001	1	0.01	0.001	0.01	0.1	0.1	0.02	5	0.1	0.02	0.1	
T156	Silt	11.5	15.3	0.24	232.3	0.025	<1	0.57	0.007	0.04	0.3	1.9	0.05	<0.02	15	0.3	<0.02	2.0
T162	Silt	10.8	13.6	0.24	175.1	0.026	1	0.49	0.007	0.04	0.2	1.5	0.03	<0.02	20	0.2	<0.02	1.7
T248	Silt	10.8	12.7	0.23	171.3	0.027	1	0.62	0.006	0.03	0.2	1.6	0.05	<0.02	22	0.2	0.02	2.0
T271	Silt	8.6	9.5	0.19	126.5	0.020	<1	0.48	0.005	0.03	<0.1	1.3	0.03	<0.02	20	<0.1	0.02	1.5
T274	Silt	13.2	14.5	0.28	341.6	0.022	<1	0.72	0.007	0.04	0.3	2.1	0.05	<0.02	50	0.4	0.02	2.4
S5	Silt	9.3	11.6	0.25	189.7	0.026	1	0.65	0.006	0.03	0.2	1.5	0.04	<0.02	30	<0.1	<0.02	2.0



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QUALITY CONTROL REPORT

WHI16000068.1

Method	Analyte	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251
		Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P
Unit		ppm	ppm	ppm	ppm	ppb	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%
MDL		0.01	0.01	0.01	0.1	2	0.1	0.1	1	0.01	0.1	0.1	0.1	0.1	0.5	0.01	0.02	0.02	2	0.01	0.001
Pulp Duplicates																					
S5	Silt	0.60	5.40	3.24	29.7	36	8.3	5.8	283	1.12	3.1	0.6	13.6	2.2	26.7	0.07	0.25	0.08	20	0.35	0.066
REP S5	QC	0.59	5.38	3.14	30.0	32	8.1	5.6	286	1.12	3.1	0.6	1.3	2.3	26.1	0.09	0.25	0.04	20	0.35	0.065
Reference Materials																					
STD DS10	Standard	15.05	157.67	148.00	382.4	1907	73.7	13.0	882	2.77	46.3	2.7	87.4	7.8	68.0	2.80	9.85	12.19	44	1.11	0.079
STD OXC129	Standard	1.28	26.38	6.18	39.9	29	77.1	20.1	420	2.93	0.4	0.7	200.3	1.8	178.9	0.02	<0.02	<0.02	50	0.62	0.096
STD DS10 Expected		15.1	154.61	150.55	370	2020	74.6	12.9	875	2.7188	46.2	2.59	91.9	7.5	67.1	2.62	9	11.65	43	1.0625	0.0765
STD OXC129 Expected		1.3	28	6.3	42.9	28	79.5	20.3	421	3.065	0.6	0.72	195	1.9		0.03	0.04		51	0.665	0.102
BLK	Blank	<0.01	0.01	<0.01	<0.1	5	<0.1	<0.1	<1	<0.01	<0.1	<0.1	<0.2	<0.1	<0.5	<0.01	<0.02	<0.02	<2	<0.01	<0.001



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Method	Analyte	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251
		La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Sc	Tl	S	Hg	Se	Te	Ga
Unit		ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	%	ppb	ppm	ppm	ppm
MDL		0.5	0.5	0.01	0.5	0.001	1	0.01	0.001	0.01	0.1	0.1	0.02	0.02	5	0.1	0.02	0.1
Pulp Duplicates																		
S5	Silt	9.3	11.6	0.25	189.7	0.026	1	0.65	0.006	0.03	0.2	1.5	0.04	<0.02	30	<0.1	<0.02	2.0
REP S5	QC	9.9	11.4	0.24	195.3	0.027	1	0.66	0.006	0.03	0.2	1.5	0.04	<0.02	20	0.3	<0.02	2.0
Reference Materials																		
STD DS10	Standard	17.9	57.4	0.81	369.7	0.085	7	1.06	0.074	0.35	3.3	2.8	5.16	0.28	295	2.5	5.05	4.8
STD OXC129	Standard	12.4	50.6	1.49	48.7	0.378	<1	1.49	0.588	0.37	<0.1	0.8	0.03	<0.02	7	0.1	<0.02	5.5
STD DS10 Expected		17.5	54.6	0.775	359	0.0817		1.0755	0.067	0.338	3.32	3	5.1	0.29	300	2.3	5.01	4.5
STD OXC129 Expected		13	52	1.545	50	0.4	1	1.58	0.6	0.37	0.08	1.1	0.03					5.6
BLK	Blank	<0.5	<0.5	<0.01	<0.5	<0.001	<1	<0.01	<0.001	<0.01	<0.1	<0.1	<0.02	<0.02	<5	<0.1	<0.02	<0.1