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Report on
Analysis of Prospecting Samples
McElroy and Hearst Twps., Ontario
April 11, 2023

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Summary

Samples collected from a grass roots prospecting program carried out in McElroy and Hearst Townships, Ontario during a three day period I June, 2020. Samples were then sent to Swastika Laboratories for sample preparation. Sample pulps after return were packaged and sent to Bureau Veritas Laboratory in Vancouver B.C. at various times for analysis by a variety of methods for various elements as described below.

Work Program

Samples collected in a grass roots prospecting program were sent to Swastika Laboratories in Swastika, Ontario where they were crushed and a portion pulverized to 90% minus 200 mesh. Pulps were shipped by bus to Skead Holdings Ltd. In Sault Ste. Marie, Ontario. Samples were initially stored in a local container. Samples were later retrieved at various times to be sent for analysis. The sample pulps retrieved from storage were placed in coin envelopes marked with a number one to three digits to indicate the type of analysis This was recorded along with information as to sample number property and location. The samples were then plced in shipping boxes and sent to Bureau Veritas Laboratories in Vancouver B.C.

Quantity of sample placed in a #3 envelope was 20 to 30 grams or in a #6 envelope 50to 60 grams dependant on the type of analysis and minimum sample requirements. A description of markings for types of analysis is given under Analysis.

All 55 samples were analysed for 45 elements by ICP-MS/ES as well as other elements by other methods at Bureau Veritas Labs. In Vancouver B.C.

Analysis

Sample pulps which had been stored after receipt from Swastika Labs were placed in coin envelopes as indicated under Work Program and sent to Bureau Veritas Commodities Canada Laboratory in Vancouver B.C.

For analysed samples the letters preceding the number indicates the method of analysis. IMA is for an ICP-MS/ES analysis of a 0.25 gram split of sample for 45 elements after a 4-acid dissolution. EPG, APG and API designates an ICP-ES analysis of a 15 gram split for Au, Pt and Pd after a fire assay fusion. A is for an ICP/MS analysis of a 15 gram sample split after aqua regia digestion. IAX is for an ICP-MS analysis of a 15 gram sample split for 36 elements plus Au after an aqua regia dissolution. MA is for an ICP-ES analysis of a 0.50 sample split after a 4-acid dissolution for samples containing over 10000 ppm of elements for which this is the upper limit for most elements by other methods. F designates analysis for a 0.20 gram split of sample for fluorine by specific ion electrode method.

Results

Analytical results of samples are given in Appendix II. Results for Au are low with nothing above trace levels. Results for Pt and Pd are at best in the low teens ppb.

There is one sample over 5% combined Pb-Zn which warrants some further work.

April 11, 2023

Robert MacGregor

For Skead Holdings Ltd.

Costs

Sample Prep		55 samples@ 10.00	550.00	275.00
Analysis	IMA	55 samples@ 23.25	1278.75	639.38
	APG	1 sample@ 23.81	23.81	11.91
	MA	1 sample@ 30.75	30.75	15.38
	A	11 samples@ 18.90	207.90	103.95
	APG, API	7 samples@ 26.65	186.55	93.28
	IAX	2 samples@ 27.34		54.68
	F	2 samples@ 25.80		51.60
	A	13 samples@ 24.10		313.30
	EPG	19 samples@ 31.68		601.92
Shipping		Bus, Postage		68.86
		Aug. 14/20 to Jan. 10/21 10hrs @ 50.00	500.00	250.00
		Feb. 10/23 to March 27/23 5 hrs @ 50.00		250.00
Report		April 11, 2023		300.00
			Total	3030

Sample Location by Claim Number

Claim No.	Number of Samples	Assessment Credit
337313	2	110
235898	1	55
343481	1	55
223034	13	717
308387	4	220
308386	6	330
223701	1	55
144063	8	442
294923	4	220
117938	2	110
321610	3	165
285062	10	551
Total	55	3030

Appendix I

Sampling

LL – 28 Grabs

Sample No.	IMA	EPG	APG	MA	A	API
128851	5252	64				
128852	5253	72				
128853	5254	73				
128854	5255	65				
128855	5256	66				
128856	5257		104	9		
128857	5258				1181	
128858	5259				1182	
128859	5260				1183	
128860	5261				1184	
128861	5262				1185	
128862	5263				1186	
128863	5264	74				
128864	5265				1187	
128865	5266	75				
128866	5267					96
128867	5268	76				
128868	5269				1190	
128869	5270	77				
128870	5271	78				
128871	5272				1191	
128872	5251				1188	
128873	5244					98
128874	5245		133			

LL - 28 Grabs

Sample No.	IMA	EPG	APG	IAX	A	F	API
128875	5246						
128876	5247						
128877	5248		131				
128878	5249						
128879	5250		130				
128901	5234	59					
128902	5235	68		1605			
128903	5236		132				
128904	5237	60					
128905	5238				1087		
128906	5239	69		1606			
128907	5240	61					
128908	5241				1086		
128909	5242	84				181	
128910	5243				1085		
128911	5273				1192		
128912	5274				1193		
128913	5275	79					
128914	5276	80					
128915	5277						97
128916	5278				1077		
128917	5279				1189		
128918	5280	81					

LL – 28 Grabs

Sample No.	IMA	EPG	A	F
128919	5281	82		
128920	5282		1078	
128921	5283		1079	
128922	5284		1080	
128923	5285		1081	188
128924	5286		1082	
128925	5287		1083	
128926	5288		1084	

Appendix II

Certificate of Analysis



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: Skead Holdings Ltd.

Submitted By:
Receiving Lab:
Received:
Analysis Start:
Report Date:
Page:

CERTIFICATE OF ANALYSIS

VAN20001860.1

CLIENT JOB INFORMATION

Project: None Given
Shipment ID:
P.O. Number
Number of Samples: 96

SAMPLE PREPARATION AND ANALYTICAL PROCEDURES

Procedure Code	Number of Samples	Code Description	Test Wgt (g)	Report Status	Lab
SLBHP	96	Sorting, labelling and boxing samples received as pulps			VAN
MA200	96	4 Acid digestion ICP-MS analysis	0.25	Completed	VAN

SAMPLE DISPOSAL

IMM-PLP Return Immediately after analysis

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:

CC:

Jeffrey Cannon
JEFFREY CANNON
Geochemistry Department Supervisor

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.



Bureau Veritas Commodities Canada Ltd.

9050 Shaughnessy St Vancouver British Columbia V6P 6E5 Canada

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Project:

Report Date:

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Part: 1 of 3

CERTIFICATE OF ANALYSIS

VAN20001960 1

	Method Analyte Unit MDL	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	
		Mo	Cu	Pb	Zn	Ag	NI	Co	Mn	Fe	As	U	Th	Sr	Cd	Sb	BI	V	Ca	P	La
		ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	%	ppm
		0.1	0.1	0.1	1	0.1	0.1	0.2	1	0.01	1	0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.001
IMA 5225	Pulp	0.3	66.2	8.4	85	0.1	353.3	71.6	1449	8.21	15	0.6	1.8	128	0.2	1.0	0.1	210	7.45	0.020	6.0
IMA 5226	Pulp	4.6	46.2	2.0	4	<0.1	20.3	16.0	728	22.40	5	5.6	0.4	8	<0.1	2.0	0.4	35	<0.01	0.004	3.6
IMA 5227	Pulp	2.8	29.6	5.9	4	<0.1	16.1	6.1	380	11.89	4	2.7	0.7	10	<0.1	1.4	0.2	37	0.01	0.003	2.2
IMA 5228	Pulp	2.3	45.5	3.4	7	<0.1	16.3	14.6	1017	4.26	3	2.1	7.5	73	<0.1	1.0	<0.1	30	0.04	0.014	31.3
IMA 5229	Pulp	1.2	7.7	10.8	8	<0.1	7.0	1.6	42	0.88	1	1.6	5.1	37	<0.1	<0.1	<0.1	16	0.03	0.007	8.8
IMA 5230	Pulp	0.9	11.1	49.3	34	<0.1	20.2	10.7	178	2.91	2	0.5	1.5	20	<0.1	<0.1	<0.1	96	0.27	0.030	10.6
IMA 5231	Pulp	0.8	33.9	3.6	70	<0.1	25.8	22.8	484	4.87	2	0.4	1.3	110	<0.1	<0.1	<0.1	70	0.93	0.053	11.4
IMA 5232	Pulp	0.9	18.3	4.2	94	<0.1	27.6	18.3	618	4.32	2	0.3	1.2	264	0.1	<0.1	0.1	92	3.07	0.071	10.5
IMA 5233	Pulp	3.7	49.1	86.4	6	0.1	23.6	23.6	53	2.04	9	131.0	182.3	38	<0.1	0.4	3.1	8	0.05	0.024	178.9
IMA 5234	Pulp	<0.1	81.4	2.3	170	0.1	1000.7	93.2	1331	7.52	3	<0.1	0.2	48	0.4	<0.1	<0.1	156	5.13	0.010	0.9
IMA 5235	Pulp	2.3	52.0	2.6	126	<0.1	314.5	57.9	5394	11.24	3	<0.1	0.2	165	0.2	0.3	<0.1	196	8.96	0.016	2.1
IMA 5236	Pulp	3.3	192.8	4.1	130	0.1	410.4	67.3	6276	14.63	3	<0.1	0.2	95	<0.1	0.2	<0.1	193	8.93	0.015	2.0
IMA 5237	Pulp	1.2	126.8	2.0	97	<0.1	110.3	53.3	2124	7.87	4	0.1	0.4	110	<0.1	0.1	<0.1	290	6.30	0.038	4.6
IMA 5238	Pulp	0.5	110.9	1.7	111	<0.1	91.8	42.4	2531	7.75	5	0.1	0.4	113	<0.1	0.1	<0.1	342	5.00	0.048	4.5
IMA 5239	Pulp	0.1	37.5	13.7	73	<0.1	1185.9	92.2	2809	5.87	<1	<0.1	<0.1	92	0.1	0.2	<0.1	122	16.42	0.008	0.6
IMA 5240	Pulp	0.2	58.2	2.1	90	<0.1	623.5	84.4	2981	9.10	2	<0.1	0.2	251	<0.1	0.1	<0.1	259	7.84	0.019	3.9
IMA 5241	Pulp	0.4	118.6	1.4	113	<0.1	87.4	49.9	1247	6.43	2	0.1	0.5	170	<0.1	<0.1	<0.1	369	4.35	0.049	5.6
IMA 5242	Pulp	3.0	103.8	13.3	131	<0.1	776.3	101.0	2338	7.14	2	0.1	0.4	332	0.2	<0.1	<0.1	264	6.99	0.033	5.0
IMA 5243	Pulp	1.7	49.1	7.7	112	<0.1	141.1	30.3	729	4.58	23	1.1	3.0	214	<0.1	<0.1	0.1	163	0.80	0.054	8.7
IMA 5244	Pulp	<0.1	18.1	0.5	67	0.1	1539.9	89.3	1247	6.97	4	<0.1	<0.1	14	<0.1	<0.1	<0.1	97	1.92	0.009	0.4
IMA 5245	Pulp	<0.1	17.3	2.0	69	<0.1	1111.9	78.0	1523	6.56	1	<0.1	<0.1	48	<0.1	<0.1	<0.1	122	10.67	0.009	0.6
IMA 5246	Pulp	0.7	59.4	3.6	108	<0.1	769.3	91.9	2549	8.45	3	<0.1	0.1	309	<0.1	0.3	<0.1	228	9.66	0.023	1.6
IMA 5247	Pulp	0.2	84.5	2.5	78	<0.1	706.0	74.2	1984	7.64	<1	<0.1	0.2	457	0.1	<0.1	<0.1	207	10.02	0.023	4.4
IMA 5248	Pulp	0.5	56.1	3.5	113	<0.1	620.4	100.9	4325	11.42	2	<0.1	0.2	112	0.2	0.2	0.1	227	9.11	0.019	2.0
IMA 5249	Pulp	0.4	52.7	10.5	108	<0.1	106.8	38.6	1267	6.13	2	1.1	4.8	1190	0.1	<0.1	<0.1	199	6.88	0.178	40.6
IMA 5250	Pulp	<0.1	28.6	0.7	101	<0.1	1343.8	100.9	1638	7.68	2	<0.1	0.1	11	0.1	<0.1	<0.1	155	6.29	0.013	1.1
IMA 5251	Pulp	0.9	105.1	2.5	108	<0.1	80.5	48.6	1787	9.32	1	0.1	0.6	186	0.2	0.2	<0.1	350	7.65	0.049	5.8
IMA 5252	Pulp	0.1	77.4	1.3	63	0.2	1391.4	81.4	1188	5.98	<1	<0.1	0.2	24	0.1	<0.1	<0.1	104	5.65	0.021	1.4
IMA 5253	Pulp	<0.1	42.9	0.7	62	0.2	1277.6	82.3	1205	6.46	5	<0.1	<0.1	57	0.1	<0.1	<0.1	119	4.35	0.010	0.7
IMA 5254	Pulp	<0.1	25.6	0.6	82	0.1	756.0	78.0	1723	7.65	<1	<0.1	0.2	33	0.2	<0.1	<0.1	201	7.49	0.015	1.3



Bureau Veritas Commodities Canada Ltd.

9050 Shaughnessy St Vancouver British Columbia V6P 6E5 Canada

PHONE (604) 253-3158

Project:

Report Date:

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Part: 2 of 3

CERTIFICATE OF ANALYSIS

VAN20001860.1

Method	Analyte	Unit	MDL	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200		
				Cr	Mg	Ba	Tl	Al	Na	K	W	Zr	Ce	Sn	Y	Nb	Ta	Be	Sc	Li	S	Rb	Hf
				ppm	%	ppm	%	%	%	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm		
				1	0.01	1	0.001	0.01	0.001	0.01	0.1	0.1	1	0.1	0.1	0.1	0.1	1	1	0.1	0.1		
IMA 5225	Pulp			271	7.48	79	0.421	6.50	1.259	0.39	0.2	46.2	14	0.7	15.7	2.7	0.2	<1	33	17.9	<0.1	14.1	1.3
IMA 5226	Pulp			611	<0.01	17	0.003	0.16	0.012	0.04	2.4	19.7	7	0.1	1.5	0.3	<0.1	<1	<1	0.4	<0.1	1.5	0.5
IMA 5227	Pulp			761	0.01	36	0.006	0.34	0.019	0.13	0.9	30.1	6	0.2	2.2	0.5	<0.1	<1	1	1.0	<0.1	4.0	0.8
IMA 5228	Pulp			501	0.25	3031	0.060	4.72	0.014	0.93	2.6	123.0	67	0.8	11.6	2.4	0.2	1	3	24.3	<0.1	37.9	3.2
IMA 5229	Pulp			9	0.17	700	0.048	5.77	0.121	4.74	0.6	40.5	17	1.0	1.6	1.7	0.2	1	2	13.4	<0.1	201.8	1.3
IMA 5230	Pulp			15	0.59	718	0.410	9.23	0.308	5.79	1.9	19.5	23	1.4	7.3	4.8	0.4	2	10	60.6	<0.1	290.5	0.9
IMA 5231	Pulp			14	1.04	364	0.333	7.49	2.273	2.11	0.6	17.6	25	1.1	9.3	4.0	0.3	2	8	52.2	0.2	136.3	0.8
IMA 5232	Pulp			21	1.45	344	0.488	7.70	2.820	1.06	0.1	15.8	23	1.3	10.4	5.1	0.4	<1	9	45.7	<0.1	42.9	0.7
IMA 5233	Pulp			27	0.10	465	0.092	3.85	0.090	3.34	0.4	76.1	352	1.6	30.6	13.9	2.7	<1	3	14.8	1.2	163.8	2.2
IMA 5234	Pulp			1899	13.57	19	0.242	3.63	0.149	0.02	0.2	10.1	2	0.5	8.4	0.6	<0.1	<1	28	0.6	<0.1	0.9	0.5
IMA 5235	Pulp			1575	3.83	104	0.381	5.87	1.365	0.27	3.9	24.5	5	0.4	15.0	1.0	<0.1	<1	33	4.9	0.1	8.0	0.8
IMA 5236	Pulp			1573	3.58	73	0.384	5.56	0.972	0.30	1.4	22.5	4	0.4	16.6	0.9	<0.1	<1	30	4.8	0.5	3.4	0.6
IMA 5237	Pulp			135	3.58	52	0.749	7.01	3.390	0.13	0.9	41.1	12	0.9	28.2	3.0	0.2	<1	42	17.3	0.5	2.8	1.9
IMA 5238	Pulp			119	3.53	84	0.811	7.27	3.167	0.32	1.0	40.8	12	0.8	29.5	3.1	0.2	<1	46	21.4	0.2	7.2	1.8
IMA 5239	Pulp			1622	6.23	34	0.181	3.10	0.418	0.11	0.2	11.7	1	0.1	7.1	0.4	<0.1	<1	21	4.3	0.2	1.2	0.4
IMA 5240	Pulp			2080	3.92	95	0.457	7.18	2.131	0.26	0.5	21.9	8	0.4	14.5	1.1	<0.1	<1	39	5.6	0.2	5.0	0.6
IMA 5241	Pulp			73	2.48	359	0.787	7.68	2.357	1.05	0.4	37.9	14	0.8	25.1	3.1	0.2	<1	47	20.9	<0.1	23.9	1.3
IMA 5242	Pulp			1951	4.55	447	0.474	6.85	2.530	0.89	0.2	34.0	11	0.4	15.3	1.4	0.1	<1	43	5.7	0.1	25.1	0.9
IMA 5243	Pulp			209	2.26	603	0.442	7.88	2.412	2.28	0.4	110.9	20	1.1	10.9	3.9	0.3	1	21	47.7	0.1	63.6	3.1
IMA 5244	Pulp			1298	17.20	38	0.183	2.67	0.041	0.03	<0.1	2.6	1	<0.1	4.8	0.4	<0.1	<1	19	2.4	<0.1	1.5	0.2
IMA 5245	Pulp			1599	9.74	20	0.192	3.30	0.620	0.11	0.1	13.5	1	0.2	6.6	0.4	<0.1	<1	21	16.4	<0.1	1.6	0.5
IMA 5246	Pulp			3217	4.45	61	0.326	5.74	1.944	0.32	0.4	14.8	3	0.5	15.2	0.7	<0.1	<1	37	7.6	0.4	7.9	0.6
IMA 5247	Pulp			1412	8.49	306	0.329	5.58	0.703	0.54	0.2	18.3	7	0.4	10.4	0.9	<0.1	<1	28	47.1	0.1	11.7	0.6
IMA 5248	Pulp			2016	4.60	84	0.417	6.05	1.071	0.24	0.5	19.6	5	0.3	15.2	1.0	<0.1	<1	37	5.3	<0.1	10.9	0.8
IMA 5249	Pulp			423	5.41	916	0.539	6.51	2.852	0.58	0.3	113.1	88	1.0	17.2	4.0	0.2	<1	26	24.4	0.1	14.7	3.3
IMA 5250	Pulp			1838	12.01	14	0.288	3.99	0.094	0.03	<0.1	14.4	3	0.3	7.6	0.7	<0.1	<1	26	12.8	<0.1	0.9	0.6
IMA 5251	Pulp			140	2.89	176	0.825	7.84	1.200	0.40	0.2	31.0	14	0.6	31.5	3.1	0.2	<1	46	12.8	<0.1	13.6	1.2
IMA 5252	Pulp			1216	14.29	21	0.187	2.86	0.073	0.01	0.1	8.7	4	0.1	6.2	0.8	<0.1	<1	19	0.7	0.2	0.8	0.4
IMA 5253	Pulp			1340	15.31	17	0.169	2.77	0.131	0.04	<0.1	5.9	2	0.2	6.2	0.3	<0.1	<1	20	2.7	<0.1	2.2	0.3
IMA 5254	Pulp			1216	10.41	19	0.326	5.38	0.554	0.07	0.2	18.3	4	0.2	9.9	0.8	<0.1	<1	30	28.8	<0.1	1.1	0.6



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

Client: **Skead Holdings Ltd.**

Project:

Report Date:

Page:

Part: 3 of 3

CERTIFICATE OF ANALYSIS

VAN20001860.1

Method	Analyte	Unit	MA200	MA200	MA200	MA200	MA200
			In	Re	Se	Te	Tl
MDL			ppm	ppm	ppm	ppm	ppm
			0.05	0.005	1	0.5	0.5
IMA 5225	Pulp		0.10	<0.005	<1	2.7	<0.5
IMA 5226	Pulp		0.48	<0.005	<1	<0.5	<0.5
IMA 5227	Pulp		0.36	<0.005	<1	<0.5	<0.5
IMA 5228	Pulp		0.26	<0.005	<1	<0.5	<0.5
IMA 5229	Pulp		<0.05	<0.005	<1	<0.5	1.3
IMA 5230	Pulp		<0.05	<0.005	<1	<0.5	1.8
IMA 5231	Pulp		0.05	<0.005	<1	<0.5	0.9
IMA 5232	Pulp		<0.05	<0.005	<1	<0.5	<0.5
IMA 5233	Pulp		<0.05	<0.005	1	<0.5	1.1
IMA 5234	Pulp		0.07	<0.005	<1	4.9	<0.5
IMA 5235	Pulp		0.05	<0.005	<1	1.6	<0.5
IMA 5236	Pulp		0.06	<0.005	<1	<0.5	<0.5
IMA 5237	Pulp		0.09	<0.005	<1	1.1	<0.5
IMA 5238	Pulp		0.09	<0.005	<1	0.7	<0.5
IMA 5239	Pulp		<0.05	<0.005	<1	4.3	<0.5
IMA 5240	Pulp		<0.05	<0.005	<1	1.2	<0.5
IMA 5241	Pulp		0.09	<0.005	<1	0.6	<0.5
IMA 5242	Pulp		0.06	<0.005	1	1.6	<0.5
IMA 5243	Pulp		0.07	<0.005	<1	<0.5	0.7
IMA 5244	Pulp		<0.05	<0.005	<1	5.2	<0.5
IMA 5245	Pulp		<0.05	<0.005	<1	2.2	<0.5
IMA 5246	Pulp		0.05	<0.005	<1	1.0	<0.5
IMA 5247	Pulp		<0.05	<0.005	<1	1.4	<0.5
IMA 5248	Pulp		0.07	<0.005	<1	2.6	<0.5
IMA 5249	Pulp		0.07	<0.005	<1	3.4	<0.5
IMA 5250	Pulp		<0.05	<0.005	<1	7.3	<0.5
IMA 5251	Pulp		0.07	<0.005	<1	1.2	<0.5
IMA 5252	Pulp		<0.05	<0.005	<1	8.2	<0.5
IMA 5253	Pulp		<0.05	<0.005	<1	1.8	<0.5
IMA 5254	Pulp		<0.05	<0.005	<1	4.1	<0.5



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CERTIFICATE OF ANALYSIS

VAN20001860.1

Method Analyte Unit MDL	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	
	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Th	Sr	Cd	Sb	Bi	V	Ca	P	La	
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	%	ppm	
	0.1	0.1	0.1	1	0.1	0.1	0.2	1	0.01	1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.001	0.1	
IMA 5255	Pulp	<0.1	38.7	1.4	64	0.2	1090.5	79.4	1273	7.41	1	<0.1	<0.1	33	0.3	<0.1	<0.1	129	4.41	0.011	0.5
IMA 5256	Pulp	0.5	90.5	8.6	131	1.3	198.6	80.7	1519	7.92	4	0.4	0.5	108	<0.1	0.3	0.1	353	2.52	0.040	3.6
IMA 5257	Pulp	1.0	128.0	>10000	>10000	6.7	153.9	63.8	1012	5.27	42	0.4	0.4	128	111.8	1.3	0.2	307	3.30	0.036	6.3
IMA 5258	Pulp	0.9	95.1	5.6	95	<0.1	99.9	43.3	1966	7.84	<1	0.1	0.5	240	<0.1	0.2	<0.1	410	7.42	0.054	5.2
IMA 5259	Pulp	4.7	16.2	19.3	136	<0.1	79.2	35.8	1499	8.41	2	0.1	0.4	42	0.2	<0.1	0.2	341	3.11	0.044	3.2
IMA 5260	Pulp	0.6	133.7	262.0	753	0.2	74.4	56.3	1685	8.69	2	0.1	0.5	402	1.8	0.4	<0.1	365	6.22	0.051	5.3
IMA 5261	Pulp	0.7	113.3	17.4	144	<0.1	76.9	29.1	1133	5.47	2	0.8	3.4	1096	0.2	0.3	0.1	181	5.05	0.090	20.5
IMA 5262	Pulp	0.7	51.6	6.1	129	<0.1	219.6	41.9	898	5.74	16	0.4	1.2	295	0.2	0.1	<0.1	194	1.77	0.052	5.7
IMA 5263	Pulp	0.3	76.7	50.2	204	<0.1	103.9	23.6	1272	4.64	<1	1.5	11.3	1363	0.4	<0.1	0.3	171	5.21	0.107	65.0
IMA 5264	Pulp	0.5	84.7	1.3	117	0.2	1188.5	97.5	1511	7.15	2	<0.1	<0.1	45	0.2	<0.1	<0.1	144	7.52	0.009	0.7
IMA 5265	Pulp	8.0	155.5	11.5	141	<0.1	245.1	40.9	1867	6.82	8	0.7	2.6	681	<0.1	0.1	<0.1	242	8.27	0.104	19.3
IMA 5266	Pulp	1.6	38.6	10.1	101	<0.1	691.4	78.3	2880	9.08	2	<0.1	0.2	120	0.2	<0.1	<0.1	232	8.62	0.017	2.2
IMA 5267	Pulp	1.3	437.5	4.0	202	0.1	867.0	146.2	9496	19.65	<1	<0.1	0.2	44	<0.1	<0.1	<0.1	181	9.43	0.013	3.0
IMA 5268	Pulp	2.0	35.6	1.4	87	<0.1	373.4	71.0	2450	7.98	13	<0.1	0.2	157	<0.1	0.1	<0.1	260	7.58	0.018	2.3
IMA 5269	Pulp	0.2	49.6	5.4	115	<0.1	137.3	47.3	1674	7.63	<1	0.5	1.5	423	0.2	<0.1	<0.1	268	7.43	0.055	13.3
IMA 5270	Pulp	0.7	26.7	1.8	98	<0.1	979.9	99.2	2288	7.46	10	<0.1	0.2	136	<0.1	0.1	<0.1	214	10.15	0.016	1.8
IMA 5271	Pulp	0.4	30.8	2.8	117	<0.1	665.5	113.4	5190	12.23	6	<0.1	0.2	102	<0.1	0.1	<0.1	211	9.00	0.020	2.6
IMA 5272	Pulp	0.3	64.8	3.9	113	<0.1	324.3	65.6	2998	8.75	4	<0.1	0.3	173	0.1	0.2	<0.1	283	7.63	0.023	3.1
IMA 5273	Pulp	0.7	28.0	38.0	85	<0.1	138.9	20.9	1158	4.34	2	1.6	7.6	1957	0.2	0.1	0.2	147	6.45	0.075	55.0
IMA 5274	Pulp	0.2	6.0	8.5	132	<0.1	220.1	35.6	2101	5.03	2	1.9	7.1	1275	0.2	<0.1	<0.1	188	10.67	0.081	48.8
IMA 5275	Pulp	<0.1	71.3	0.6	60	0.2	1463.2	93.6	1248	7.86	<1	<0.1	<0.1	33	<0.1	<0.1	<0.1	159	4.40	0.014	0.6
IMA 5276	Pulp	0.5	44.7	2.3	92	<0.1	570.1	81.0	2122	7.99	<1	<0.1	0.2	125	<0.1	<0.1	<0.1	252	7.63	0.019	2.4
IMA 5277	Pulp	7.1	778.4	11.8	4178	0.3	304.2	68.5	7334	16.05	1	0.6	2.1	51	8.1	<0.1	1.1	78	2.76	0.031	14.2
IMA 5278	Pulp	0.3	102.2	2.9	114	<0.1	75.8	39.1	3948	16.44	1	0.1	0.4	268	<0.1	0.1	<0.1	304	7.62	0.053	8.1
IMA 5279	Pulp	0.4	30.2	3.5	105	<0.1	300.6	51.6	2097	6.86	<1	0.1	0.2	229	0.2	<0.1	<0.1	237	10.01	0.019	2.7
IMA 5280	Pulp	0.2	67.5	1.0	82	0.1	1114.3	90.3	1362	6.97	<1	<0.1	<0.1	36	0.6	<0.1	<0.1	145	6.24	0.012	1.1
IMA 5281	Pulp	<0.1	37.4	0.7	78	<0.1	883.0	87.9	1501	9.09	<1	<0.1	<0.1	27	0.1	<0.1	<0.1	194	4.07	0.016	0.7
IMA 5282	Pulp	0.4	81.7	2.2	102	<0.1	198.1	56.7	1447	8.25	1	0.3	1.0	322	<0.1	<0.1	<0.1	194	7.31	0.036	6.0
IMA 5283	Pulp	0.6	53.2	2.3	89	<0.1	387.5	85.9	2747	7.37	3	<0.1	0.2	219	0.1	0.2	<0.1	231	8.29	0.019	2.6
IMA 5284	Pulp	1.2	134.9	4.4	219	<0.1	194.6	61.6	1989	8.11	5	0.3	0.6	195	0.4	0.1	0.2	379	5.90	0.052	5.8



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CERTIFICATE OF ANALYSIS

VAN20001860.1

Method	Analyte	Unit	MDL	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200		
				Cr	Mg	Ba	Tl	Al	Na	K	W	Zr	Ce	Sn	Y	Nb	Ta	Be	Sc	Li	S	Rb	Hf
				ppm	%	ppm	%	%	%	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	
				1	0.01	1	0.001	0.01	0.001	0.01	0.1	0.1	1	0.1	0.1	0.1	0.1	1	1	0.1	0.1	0.1	
IMA 5255	Pulp			1792	15.11	31	0.217	3.34	0.102	0.03	0.1	7.3	1	0.1	6.2	0.4	<0.1	<1	24	2.0	<0.1	1.4	0.3
IMA 5256	Pulp			129	2.33	56	0.736	7.53	4.544	0.14	0.6	51.5	10	1.1	22.5	3.0	0.2	<1	43	10.7	2.5	2.8	1.6
IMA 5257	Pulp			211	2.50	72	0.680	7.03	3.496	0.18	0.6	58.5	15	1.3	23.1	2.8	0.2	<1	42	28.1	2.8	7.9	2.0
IMA 5258	Pulp			145	2.37	71	0.916	8.13	2.662	0.19	0.9	31.1	14	1.0	31.9	3.4	0.2	<1	53	6.1	0.1	4.5	1.3
IMA 5259	Pulp			146	2.35	237	0.732	6.89	3.770	1.25	1.2	34.9	9	0.8	21.9	3.0	0.2	<1	44	7.0	0.1	25.6	1.1
IMA 5260	Pulp			111	2.62	294	0.830	7.56	2.971	0.70	1.6	46.9	14	0.9	29.3	3.4	0.2	<1	48	10.1	0.8	20.5	1.7
IMA 5261	Pulp			254	3.89	2034	0.453	7.41	3.283	2.01	0.3	92.2	44	1.0	13.5	4.1	0.2	2	24	25.6	0.1	49.9	2.5
IMA 5262	Pulp			247	2.67	414	0.554	7.87	1.872	1.77	0.7	95.2	14	1.0	11.3	3.6	0.2	<1	25	52.2	0.1	32.7	2.6
IMA 5263	Pulp			101	1.42	4564	0.484	7.51	3.600	4.07	0.2	187.3	128	1.7	21.7	20.3	0.7	9	5	31.6	0.2	89.6	4.7
IMA 5264	Pulp			1647	13.19	24	0.208	3.45	0.240	0.07	<0.1	10.2	2	0.3	6.8	0.4	<0.1	<1	23	4.6	0.3	1.5	0.4
IMA 5265	Pulp			311	2.69	1369	0.607	7.54	2.529	1.36	1.5	86.1	41	1.4	20.3	5.9	0.3	2	32	11.1	0.4	36.0	2.6
IMA 5266	Pulp			1716	5.55	49	0.426	6.55	1.664	0.13	0.3	21.4	5	0.4	12.7	1.0	<0.1	<1	35	4.5	<0.1	3.4	0.8
IMA 5267	Pulp			1562	2.71	65	0.332	5.08	0.817	0.20	0.4	19.8	6	1.4	20.1	0.9	<0.1	<1	30	2.6	1.1	1.9	0.6
IMA 5268	Pulp			1887	3.52	69	0.483	7.44	1.570	0.37	0.5	12.5	5	0.4	14.9	1.2	<0.1	<1	42	10.2	<0.1	13.7	0.6
IMA 5269	Pulp			551	6.85	166	0.703	5.79	2.500	0.32	0.4	69.5	32	1.2	19.9	3.5	0.2	<1	37	11.5	0.1	5.5	2.2
IMA 5270	Pulp			2017	6.32	72	0.396	6.03	1.280	0.25	0.3	20.5	4	0.4	11.3	0.9	<0.1	<1	33	8.1	<0.1	7.4	0.8
IMA 5271	Pulp			2177	3.33	94	0.430	6.46	0.890	0.27	1.0	21.1	6	0.4	20.4	1.0	<0.1	<1	37	5.0	<0.1	7.3	0.8
IMA 5272	Pulp			1202	3.36	442	0.501	7.78	1.922	1.71	0.2	15.6	7	0.4	16.2	1.3	<0.1	<1	43	5.9	0.1	54.6	0.7
IMA 5273	Pulp			152	2.07	5058	0.397	7.43	2.538	3.38	0.3	167.9	103	1.8	19.4	11.5	0.4	3	8	21.9	<0.1	58.0	4.6
IMA 5274	Pulp			220	2.16	911	0.409	7.22	3.131	0.67	0.4	156.3	95	1.7	19.6	11.4	0.4	5	9	9.9	<0.1	15.0	4.0
IMA 5275	Pulp			1880	15.44	10	0.235	2.90	0.293	0.03	<0.1	14.5	2	0.1	7.6	0.4	<0.1	<1	25	0.9	<0.1	1.1	0.6
IMA 5276	Pulp			1453	5.90	117	0.440	6.84	2.025	0.45	0.3	19.9	5	0.3	14.2	1.1	<0.1	<1	38	26.0	<0.1	16.0	0.8
IMA 5277	Pulp			91	2.55	62	0.274	5.61	0.149	0.63	0.2	84.7	28	4.6	21.5	3.1	0.3	<1	13	21.5	4.0	22.0	2.3
IMA 5278	Pulp			90	2.85	107	0.774	6.60	1.069	0.41	0.4	32.0	19	0.7	53.5	3.1	0.2	<1	44	8.4	0.3	10.5	1.5
IMA 5279	Pulp			875	4.00	120	0.419	6.85	2.210	0.30	0.1	19.1	5	0.4	12.0	1.0	<0.1	<1	35	5.2	<0.1	5.3	0.8
IMA 5280	Pulp			1820	13.04	28	0.265	3.76	0.404	0.05	0.2	12.9	3	0.2	9.6	0.6	<0.1	<1	27	4.7	<0.1	1.4	0.6
IMA 5281	Pulp			2393	13.44	10	0.299	3.98	0.321	0.03	<0.1	11.7	2	0.3	10.7	0.5	<0.1	<1	25	0.5	<0.1	0.5	0.5
IMA 5282	Pulp			642	6.22	216	0.512	6.01	1.335	0.65	<0.1	56.6	14	0.7	15.7	3.5	0.3	<1	28	22.2	0.1	22.5	1.9
IMA 5283	Pulp			1265	3.36	72	0.438	7.04	1.798	0.23	0.5	16.7	5	0.4	14.7	1.0	<0.1	<1	37	4.8	0.2	6.5	0.6
IMA 5284	Pulp			168	3.08	263	0.844	7.99	1.953	0.49	0.5	78.4	14	1.6	30.6	3.5	0.2	<1	49	16.5	0.8	26.7	2.6



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	Method Analyte Unit MDL	MA200	MA200	MA200	MA200	MA200
		in ppm	Re ppm	Se ppm	Te ppm	Tl ppm
		0.05	0.005	1	0.5	0.5
IMA 5255	Pulp	<0.05	<0.005	<1	6.3	<0.5
IMA 5256	Pulp	0.13	<0.005	2	<0.5	<0.5
IMA 5257	Pulp	2.13	<0.005	2	<0.5	<0.5
IMA 5258	Pulp	0.10	<0.005	<1	0.7	<0.5
IMA 5259	Pulp	0.08	<0.005	<1	<0.5	<0.5
IMA 5260	Pulp	0.14	<0.005	<1	0.9	<0.5
IMA 5261	Pulp	0.10	<0.005	<1	0.7	<0.5
IMA 5262	Pulp	0.13	<0.005	<1	<0.5	<0.5
IMA 5263	Pulp	0.06	<0.005	<1	<0.5	1.0
IMA 5264	Pulp	<0.05	<0.005	<1	5.7	<0.5
IMA 5265	Pulp	0.09	0.010	<1	1.3	<0.5
IMA 5266	Pulp	<0.05	<0.005	<1	2.6	<0.5
IMA 5267	Pulp	0.08	<0.005	<1	0.9	<0.5
IMA 5268	Pulp	0.06	<0.005	<1	1.6	<0.5
IMA 5269	Pulp	0.12	<0.005	<1	2.4	<0.5
IMA 5270	Pulp	0.06	<0.005	<1	3.4	<0.5
IMA 5271	Pulp	<0.05	<0.005	<1	0.8	<0.5
IMA 5272	Pulp	<0.05	<0.005	<1	0.7	<0.5
IMA 5273	Pulp	<0.05	<0.005	<1	1.3	<0.5
IMA 5274	Pulp	0.07	<0.005	<1	1.3	<0.5
IMA 5275	Pulp	<0.05	<0.005	<1	2.8	<0.5
IMA 5276	Pulp	0.08	<0.005	<1	1.2	<0.5
IMA 5277	Pulp	0.88	0.007	1	1.8	<0.5
IMA 5278	Pulp	0.07	<0.005	<1	0.6	<0.5
IMA 5279	Pulp	<0.05	<0.005	<1	0.8	<0.5
IMA 5280	Pulp	<0.05	<0.005	<1	2.6	<0.5
IMA 5281	Pulp	<0.05	<0.005	<1	3.3	<0.5
IMA 5282	Pulp	0.05	<0.005	<1	3.5	<0.5
IMA 5283	Pulp	<0.05	<0.005	<1	1.3	<0.5
IMA 5284	Pulp	0.17	<0.005	<1	0.8	<0.5



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CERTIFICATE OF ANALYSIS

VAN20001860.1

Method	Analyte	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200
		Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Th	Sr	Cd	Sb	Bi	V	Ca	P	La
Unit		ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	%	ppm	
MDL		0.1	0.1	0.1	1	0.1	0.1	0.2	1	0.01	1	0.1	0.1	1	0.1	0.1	1	0.01	0.001	0.1	
IMA 5285	Pulp	0.9	88.0	5.4	379	0.2	168.3	46.1	2860	9.88	6	0.2	0.7	307	0.3	0.1	<0.1	332	3.96	0.044	5.4
IMA 5286	Pulp	1.2	151.5	4.7	252	0.1	181.0	48.3	2028	8.26	<1	0.3	0.8	149	0.4	<0.1	0.3	334	6.34	0.058	6.0
IMA 5287	Pulp	4.8	61.6	6.1	124	<0.1	128.3	34.0	1299	6.43	<1	0.4	1.1	289	0.2	<0.1	<0.1	198	3.78	0.064	8.0
IMA 5288	Pulp	0.8	102.0	6.2	200	<0.1	148.3	58.3	2556	9.93	7	0.2	0.5	187	0.1	0.1	<0.1	368	5.67	0.045	6.0
IMA 5292	Pulp	3.1	56.7	23.5	214	0.4	26.2	21.4	5994	4.93	7	2.0	9.0	255	1.2	1.3	0.2	100	2.26	0.143	57.4
IMA 5293	Pulp	1.7	23.3	15.8	213	<0.1	21.1	20.5	1329	5.41	25	2.0	5.8	283	0.2	0.8	0.1	95	3.73	0.243	27.6



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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: Skead Holdings Ltd.

Project:

Report Date:

Page:

Part: 2 of 3

CERTIFICATE OF ANALYSIS

VAN20001860.1

Method	Analyte	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200
		Cr	Mg	Ba	Tl	Al	Na	K	W	Zr	Ce	Sn	Y	Nb	Ta	Be	Sc	Li	S	Rb	Hf
Unit		ppm	%	ppm	%	%	%	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	
MDL		1	0.01	1	0.001	0.01	0.001	0.01	0.1	0.1	1	0.1	0.1	0.1	0.1	1	1	0.1	0.1	0.1	
IMA 5285	Pulp	132	4.15	78	0.748	7.46	0.704	0.44	0.9	81.6	11	1.4	28.1	3.0	0.2	<1	43	37.7	0.9	19.1	2.2
IMA 5286	Pulp	132	2.88	157	0.785	7.71	1.600	0.40	1.1	82.5	14	1.3	28.5	3.6	0.2	<1	44	12.0	0.9	21.5	2.2
IMA 5287	Pulp	381	3.85	390	0.560	7.17	1.815	1.23	0.5	72.3	16	0.9	14.7	3.3	0.2	<1	26	24.5	0.3	33.7	2.1
IMA 5288	Pulp	119	3.34	211	0.808	7.79	2.196	0.36	0.7	59.9	14	2.1	33.6	3.2	0.2	<1	49	20.6	1.2	12.2	1.8
IMA 5292	Pulp	61	1.71	1042	0.512	6.62	1.508	1.91	1.2	145.4	80	2.0	42.3	8.7	0.5	2	16	28.5	<0.1	54.6	4.1
IMA 5293	Pulp	61	2.13	620	0.517	6.15	1.752	1.61	1.1	156.0	52	2.9	27.2	7.1	0.4	2	16	18.5	<0.1	56.8	4.6



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Client: **Skead Holdings Ltd.**

Project:

Report Date:

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Part: 3 of 3

CERTIFICATE OF ANALYSIS

VAN20001860.1

Method	Analyte	MA200	MA200	MA200	MA200	MA200
		In	Re	Se	Te	Tl
Unit		ppm	ppm	ppm	ppm	ppm
MDL		0.05	0.005	1	0.5	0.5
IMA 5285	Pulp	0.14	<0.005	<1	<0.5	<0.5
IMA 5286	Pulp	0.09	<0.005	<1	<0.5	<0.5
IMA 5287	Pulp	0.06	<0.005	<1	1.0	<0.5
IMA 5288	Pulp	0.12	<0.005	<1	0.6	<0.5
IMA 5292	Pulp	0.08	<0.005	2	<0.5	0.9
IMA 5293	Pulp	0.06	<0.005	1	<0.5	0.6



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PHONE (604) 253-3158

Client: **Skead Holdings Ltd.**

Project:
Report Date:

Page:

Part: 1 of 3

QUALITY CONTROL REPORT

VAN20001860.1

Method	Analyte	Unit	MA200																			
			Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Th	Sr	Cd	Sb	Bi	V	Ca	P	La
MDL			ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	%	ppm
			0.1	0.1	0.1	1	0.1	0.1	0.2	1	0.01	1	0.1	0.1	0.1	0.1	0.1	0.1	1	0.01	0.001	0.1
Pulp Duplicates																						
IMA 5195	Pulp		0.6	113.8	3.2	171	0.1	73.1	55.8	1567	10.75	1	0.3	1.2	199	<0.1	<0.1	<0.1	308	4.57	0.045	8.5
REP IMA 5195	QC		0.6	112.8	3.2	172	0.1	73.7	58.3	1587	10.65	1	0.3	1.2	200	<0.1	<0.1	<0.1	305	4.55	0.045	8.5
IMA 5231	Pulp		0.8	33.9	3.6	70	<0.1	25.6	22.8	484	4.87	2	0.4	1.3	110	<0.1	<0.1	<0.1	70	0.93	0.053	11.4
REP IMA 5231	QC		0.9	32.7	3.6	68	<0.1	25.5	22.4	490	4.92	2	0.4	1.3	107	<0.1	<0.1	0.1	70	1.00	0.051	11.4
IMA 5267	Pulp		1.3	437.5	4.0	202	0.1	867.0	146.2	9496	19.65	<1	<0.1	0.2	44	<0.1	<0.1	<0.1	181	9.43	0.013	3.0
REP IMA 5267	QC		1.1	446.4	4.1	223	0.1	900.6	151.4	9766	20.26	<1	<0.1	0.2	47	0.1	<0.1	<0.1	190	9.70	0.015	3.3
Reference Materials																						
STD OREAS25A-4A	Standard		2.5	32.0	24.1	45	<0.1	48.4	8.0	489	6.53	10	2.7	14.5	46	<0.1	0.6	0.3	156	0.28	0.048	20.6
STD OREAS25A-4A	Standard		2.2	32.3	24.6	42	<0.1	43.4	7.6	480	6.44	10	2.9	15.9	45	<0.1	0.6	0.4	150	0.28	0.047	21.9
STD OREAS25A-4A	Standard		2.3	32.2	25.7	42	<0.1	45.0	7.4	475	6.41	9	3.0	16.1	47	<0.1	0.6	0.4	146	0.27	0.049	22.8
STD OREAS45E	Standard		2.5	778.7	18.3	47	0.3	480.2	61.1	594	25.23	17	2.4	12.7	17	<0.1	0.9	0.3	353	0.07	0.033	11.3
STD OREAS45H	Standard		1.3	764.5	12.5	38	0.1	391.0	84.3	402	18.28	16	1.8	7.5	28	<0.1	0.6	0.2	239	0.13	0.022	12.9
STD OREAS45E	Standard		2.4	772.0	19.6	44	0.3	448.0	56.2	581	23.63	16	2.8	14.4	17	<0.1	1.1	0.3	345	0.06	0.035	12.4
STD OREAS45H Expected			1.55	767	12.2	39.7	0.147	451	92	405	20.4	16.9	1.68	7.6	28		0.63	0.17	275	0.135	0.023	13.3
STD OREAS25A-4A Expected			2.41	33.9	25.2	44.4		45.8	7.7	480	6.6	9.94	2.94	15.8	48.5		0.65	0.37	157	0.301	0.048	21.8
STD OREAS45E Expected			2.4	780	18.2	46.7	0.311	454	57	570	24.12	16.3	2.41	12.9	15.9	0.06	1	0.28	322	0.065	0.034	11
BLK	Blank		<0.1	<0.1	<0.1	<1	<0.1	<0.1	<0.2	<1	<0.01	<1	<0.1	<0.1	<1	<0.1	<0.1	<1	<0.01	<0.001	<0.1	
BLK	Blank		<0.1	<0.1	<0.1	<1	<0.1	<0.1	<0.2	<1	<0.01	2	<0.1	<0.1	<1	<0.1	<0.1	<1	<0.01	<0.001	<0.1	
BLK	Blank		<0.1	<0.1	<0.1	<1	<0.1	<0.1	<0.2	2	<0.01	<1	<0.1	<0.1	<1	<0.1	<0.1	<1	<0.01	<0.001	<0.1	



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QUALITY CONTROL REPORT

VAN2000186(1

Method	Analyte	Unit	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	
			Cr	Mg	Ba	Tl	Al	Na	K	W	Zr	Ce	Sn	Y	Nb	Ta	Be	Sc	Li	S	Rb	Hf
MDL			ppm	%	ppm	%	%	%	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	
			1	0.01	1	0.001	0.01	0.001	0.01	0.1	0.1	1	0.1	0.1	0.1	0.1	1	1	0.1	0.1	0.1	
Pulp Duplicates																						
IMA 5195	Pulp		180	3.98	219	0.690	7.29	2.103	0.75	1.1	76.5	18	0.7	20.5	4.4	0.3	<1	38	68.4	<0.1	37.4	2.1
REP IMA 5195	QC		175	3.95	224	0.677	7.25	2.176	0.75	1.1	76.9	18	0.7	20.4	4.4	0.3	<1	38	68.9	<0.1	35.4	2.2
IMA 5231	Pulp		14	1.04	364	0.333	7.49	2.273	2.11	0.6	17.6	25	1.1	9.3	4.0	0.3	2	8	52.2	0.2	136.3	0.8
REP IMA 5231	QC		15	1.05	354	0.324	7.92	2.385	2.13	0.5	17.3	24	1.1	9.1	4.0	0.3	2	8	49.9	0.2	130.9	0.9
IMA 5267	Pulp		1562	2.71	85	0.332	5.08	0.817	0.20	0.4	19.8	6	1.4	20.1	0.9	<0.1	<1	30	2.6	1.1	1.9	0.6
REP IMA 5267	QC		1581	2.78	66	0.339	5.30	0.873	0.21	0.5	23.0	6	1.4	20.9	0.9	<0.1	<1	30	3.5	1.2	2.1	0.7
Reference Materials																						
STD OREAS25A-4A	Standard		119	0.33	138	0.907	9.15	0.142	0.49	1.8	153.3	44	3.4	9.2	18.4	1.3	<1	13	36.3	<0.1	57.9	4.1
STD OREAS25A-4A	Standard		114	0.34	156	0.897	8.80	0.123	0.48	1.8	144.7	46	3.9	9.6	18.0	1.3	<1	11	36.9	<0.1	57.9	4.1
STD OREAS25A-4A	Standard		113	0.34	152	0.922	8.63	0.130	0.46	1.8	147.9	46	4.1	9.7	18.8	1.4	<1	12	37.1	<0.1	57.7	4.1
STD OREAS45E	Standard		1079	0.16	235	0.560	7.23	0.061	0.34	1.0	99.7	23	1.3	7.4	6.1	0.5	<1	92	6.5	<0.1	21.4	2.9
STD OREAS45H	Standard		600	0.24	335	0.888	7.94	0.079	0.19	0.8	112.1	23	1.8	9.4	13.2	0.9	<1	55	13.4	<0.1	21.6	3.4
STD OREAS45E	Standard		961	0.18	262	0.538	6.93	0.059	0.33	1.0	92.7	25	1.4	7.9	5.9	0.5	<1	93	6.6	<0.1	21.9	2.8
STD OREAS45H Expected			660	0.2575	342	0.878	8.2	0.09	0.215	0.9	126	24.3	1.93	10.4	13.8	1	1.09	59	13.9		22.5	3.42
STD OREAS25A-4A Expected			115	0.327	147	0.93	6.87	0.131	0.482	2	155	47.3	4.06	10.5	20.9	1.4	0.93	13.7	36.7	0.047	61	4.14
STD OREAS45E Expected			979	0.156	252	0.559	6.78	0.059	0.324	1.07	97	23.5	1.32	8.28	6.8	0.54		93	6.58	0.046	21.2	3.11
BLK	Blank		<1	<0.01	<1	<0.001	<0.01	0.002	<0.01	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<0.1	<1	<1	<0.1	<0.1	<0.1	<0.1
BLK	Blank		<1	<0.01	<1	<0.001	<0.01	0.001	<0.01	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<0.1	<1	<1	<0.1	<0.1	<0.1	<0.1
BLK	Blank		2	<0.01	<1	<0.001	<0.01	0.002	<0.01	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<0.1	<1	<1	<0.1	<0.1	<0.1	<0.1



Bureau Veritas Commodities Canada Ltd.
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PHONE (604) 253-3158

Client: **Skead Holdings Ltd.**

Project:
Report Date:

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Part: 3 of 3

QUALITY CONTROL REPORT

VAN20001860.1

Method Analyte Unit MDL	MA200	MA200	MA200	MA200	MA200
	In ppm	Re ppm	Se ppm	Te ppm	Tl ppm
	0.05	0.005	1	0.5	0.5
Pulp Duplicates					
IMA 5195 Pulp	0.06	<0.005	<1	<0.5	<0.5
REP IMA 5195 QC	0.06	<0.005	<1	<0.5	<0.5
IMA 5231 Pulp	0.05	<0.005	<1	<0.5	0.9
REP IMA 5231 QC	<0.05	<0.005	<1	<0.5	0.8
IMA 5267 Pulp	0.08	<0.005	<1	0.9	<0.5
REP IMA 5267 QC	0.08	<0.005	1	1.0	<0.5
Reference Materials					
STD OREAS25A-4A Standard	0.08	<0.005	3	<0.5	<0.5
STD OREAS25A-4A Standard	<0.05	<0.005	2	<0.5	<0.5
STD OREAS25A-4A Standard	0.12	<0.005	2	<0.5	<0.5
STD OREAS45E Standard	0.10	<0.005	3	<0.5	<0.5
STD OREAS45H Standard	0.08	<0.005	2	<0.5	<0.5
STD OREAS45E Standard	0.11	<0.005	3	<0.5	<0.5
STD OREAS45H Expected	0.1		2.02		
STD OREAS25A-4A Expected	0.09		2.4		0.35
STD OREAS45E Expected	0.099		2.97	0.1	0.15
BLK Blank	<0.05	<0.005	<1	<0.5	<0.5
BLK Blank	<0.05	<0.005	<1	<0.5	<0.5
BLK Blank	<0.05	<0.005	<1	<0.5	<0.5



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

Client: **MacGregor, R.A.**

Submitted By:
Receiving Lab:
Received: October 19, 2020
Analysis Start: October 28, 2020
Report Date: October 30, 2020
Page: 1 of 2

CERTIFICATE OF ANALYSIS

VAN20002348.1

CLIENT JOB INFORMATION

Project: None Given
Shipment ID:
P.O. Number
Number of Samples: 26

SAMPLE PREPARATION AND ANALYTICAL PROCEDURES

Procedure Code	Number of Samples	Code Description	Test Wgt (g)	Report Status	Lab
BAT01	1	Batch charge of <50 samples			VAN
SLBHP	26	Sorting, labelling and boxing samples received as pulps			VAN
FA330	26	Fire assay fusion Au Pt Pd by ICP-ES	30	Completed	VAN

SAMPLE DISPOSAL

IMM-PLP Return Immediately after analysis

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:

CC:


SCOTT INGLIS
Fire Assay Manager

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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PHONE (604) 253-3158

Client: **MacGregor, R.A.**

Project: None Given

Report Date: October 30, 2020

Page: 2 of 2

Part: 1 of 1

CERTIFICATE OF ANALYSIS

VAN20002348.1

Method	Analyte	FA330	FA330	FA330
		Au	Pt	Pd
Unit		ppb	ppb	ppb
MDL		2	3	2
APG 100	Pulp	6	4	3
APG 101	Pulp	225	<3	<2
APG 102	Pulp	465	<3	<2
APG 103	Pulp	347	<3	<2
APG 104	Pulp	6	<3	<2
APG 105	Pulp	7	<3	<2
APG 106	Pulp	43	<3	<2
APG 107	Pulp	53	<3	<2
APG 108	Pulp	37	4	<2
APG 109	Pulp	20	<3	<2
APG 110	Pulp	34	<3	<2
APG 111	Pulp	9	3	<2
APG 112	Pulp	59	<3	<2
APG 113	Pulp	7	<3	<2
APG 114	Pulp	6	<3	<2
APG 115	Pulp	62	<3	<2
APG 116	Pulp	110	<3	<2
API 90	Pulp	<2	<3	<2
API 91	Pulp	2	14	13
API 92	Pulp	21	<3	<2
API 93	Pulp	4	<3	3
API 94	Pulp	35	31	40
API 95	Pulp	33	14	20
API 96	Pulp	12	9	9
API 97	Pulp	42	3	3
API 98	Pulp	<2	7	6



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PHONE (604) 253-3158

Client: **MacGregor, R.A.**

Project:

Report Date:

Page:

Part: 1 of 1

QUALITY CONTROL REPORT

VAN20002348.1

Method	FA330	FA330	FA330
Analyte	Au	Pt	Pd
Unit	ppb	ppb	ppb
MDL	2	3	2
Pulp Duplicates			
APG 101	Pulp	225	<3 <2
REP APG 101	QC	216	<3 <2
Reference Materials			
STD KO74421	Standard	509	459 471
STD PD05	Standard	489	420 575
STD PD05 <i>Expected</i>		519	430 596
STD KO74421 <i>Expected</i>		518	459 466
BLK	Blank	2	<3 <2



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

Client: MacGregor, R.A.

Submitted By:
Receiving Lab:
Received:
Analysis Start:
Report Date:
Page:

CERTIFICATE OF ANALYSIS

VAN21000149.1

CLIENT JOB INFORMATION

Project: None Given
Shipment ID:
P.O. Number
Number of Samples: 11

SAMPLE PREPARATION AND ANALYTICAL PROCEDURES

Procedure Code	Number of Samples	Code Description	Test Wgt (g)	Report Status	Lab
BAT01	1	Batch charge of <50 samples			VAN
SLBHP	11	Sorting, labeling and boxing samples received as pulps			VAN
MA370	11	4-Acid Digestion ICP-ES Finish	0.5	Completed	VAN

SAMPLE DISPOSAL

IMM-PLP Return immediately after analysis

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:

CC:



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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Client: **MacGregor, R.A.**

Project:

Report Date:

Bureau Veritas Commodities Canada Ltd.

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Page:

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CERTIFICATE OF ANALYSIS

VAN21000149.1

Method	MA370	MA370	MA370	MA370	MA370	MA370	MA370	MA370	MA370	MA370	MA370	MA370	MA370	MA370	MA370	MA370	MA370	MA370	MA370	MA370	
Analyte	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	Sr	Cd	Sb	Bi	Ca	P	Cr	Mg	Al	Na	
Unit	%	%	%	%	ppm	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	
MDL	0.001	0.001	0.02	0.01	2	0.001	0.001	0.01	0.01	0.02	0.01	0.001	0.01	0.01	0.01	0.01	0.001	0.01	0.01	0.01	
MA1	Rock Pulp	<0.001	1.006	<0.02	0.02	5	0.005	0.003	0.02	3.08	<0.02	<0.01	<0.001	<0.01	<0.01	0.54	0.02	0.019	0.69	4.75	0.33
MA2	Rock Pulp	<0.001	1.016	<0.02	<0.01	4	0.004	0.002	0.02	3.95	<0.02	<0.01	<0.001	<0.01	<0.01	0.48	0.04	0.025	1.03	5.04	0.35
MA3	Rock Pulp	<0.001	5.832	<0.02	0.02	48	0.012	0.001	0.05	4.83	<0.02	<0.01	<0.001	<0.01	<0.01	0.12	0.03	0.022	0.88	2.28	0.03
MA4	Rock Pulp	<0.001	0.594	<0.02	<0.01	3	0.002	<0.001	<0.01	3.30	<0.02	<0.01	<0.001	<0.01	<0.01	0.09	0.02	0.023	0.84	3.80	0.27
MA5	Rock Pulp	1.095	0.003	<0.02	0.01	<2	<0.001	<0.001	0.09	6.00	<0.02	0.03	<0.001	<0.01	<0.01	2.45	0.62	0.040	2.30	6.38	1.30
MA6	Rock Pulp	0.001	2.502	<0.02	0.04	10	0.003	0.002	0.02	4.78	<0.02	<0.01	<0.001	<0.01	<0.01	0.26	0.04	0.005	0.77	3.33	0.22
MA7	Rock Pulp	<0.001	2.263	0.03	0.04	10	0.002	0.002	<0.01	3.42	<0.02	<0.01	<0.001	<0.01	<0.01	0.10	<0.01	0.002	0.08	0.54	0.14
MA8	Rock Pulp	<0.001	2.078	<0.02	0.03	9	0.003	0.002	<0.01	3.41	<0.02	<0.01	<0.001	<0.01	<0.01	0.08	<0.01	0.001	0.08	0.67	0.18
MA9	Rock Pulp	<0.001	0.014	1.20	4.41	7	0.016	0.006	0.10	5.59	<0.02	0.01	0.010	<0.01	<0.01	3.36	0.04	0.021	2.56	7.11	3.55
MA10	Rock Pulp	<0.001	0.029	0.04	0.01	<2	<0.001	<0.001	0.02	1.81	<0.02	<0.01	<0.001	<0.01	<0.01	0.37	0.06	0.002	0.55	5.04	0.13
MA11	Rock Pulp	<0.001	0.047	<0.02	<0.01	<2	<0.001	<0.001	0.05	3.55	<0.02	<0.01	<0.001	<0.01	<0.01	1.36	0.02	0.015	1.07	2.42	0.26



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PHONE (604) 253-3158

Client: **MacGregor, R.A.**

Project:

Report Date:

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Part: 2 of 2

CERTIFICATE OF ANALYSIS

VAN21000149.1

Method	Analyte	MA370	MA370	MA370
		K	W	S
Unit		%	%	%
MDL		0.01	0.01	0.05
MA1	Rock Pulp	2.87	<0.01	1.24
MA2	Rock Pulp	2.91	<0.01	0.99
MA3	Rock Pulp	0.45	<0.01	1.13
MA4	Rock Pulp	2.30	<0.01	0.60
MA5	Rock Pulp	2.45	<0.01	0.84
MA6	Rock Pulp	2.10	<0.01	2.20
MA7	Rock Pulp	0.26	<0.01	2.61
MA8	Rock Pulp	0.32	<0.01	2.70
MA9	Rock Pulp	0.19	<0.01	3.22
MA10	Rock Pulp	2.95	<0.01	0.13
MA11	Rock Pulp	0.50	0.16	0.17



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Client: **MacGregor, R.A.**

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QUALITY CONTROL REPORT VAN21000149.1

Method	MA370	MA370	MA370	MA370	MA370	MA370	MA370	MA370	MA370	MA370	MA370	MA370	MA370	MA370	MA370	MA370	MA370	MA370	MA370	MA370	MA370
Analyte	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	Sr	Cd	Sb	Bi	Ca	P	Cr	Mg	Al	Na	
Unit	%	%	%	%	ppm	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	
MDL	0.001	0.001	0.02	0.01	2	0.001	0.001	0.01	0.01	0.02	0.01	0.001	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	
Pulp Duplicates																					
MA3	Rock Pulp	<0.001	5.832	<0.02	0.02	48	0.012	0.001	0.05	4.83	<0.02	<0.01	<0.001	<0.01	<0.01	0.12	0.03	0.022	0.88	2.28	0.03
REP MA3	QC	<0.001	5.833	<0.02	0.02	48	0.012	0.001	0.05	4.82	<0.02	<0.01	<0.001	<0.01	<0.01	0.12	0.03	0.022	0.91	2.28	0.03
Reference Materials																					
STD CDN-ME-14	Standard	0.002	1.187	0.49	3.03	43	0.002	0.017	0.08	17.15	<0.02	<0.01	0.009	<0.01	0.01	0.72	0.02	0.003	1.27	4.25	0.49
STD CDN-ME-9	Standard	<0.001	0.665	<0.02	0.01	3	0.920	0.017	0.12	14.19	<0.02	0.03	<0.001	<0.01	<0.01	4.25	0.07	0.033	4.07	6.77	1.86
STD CDN-ME-14 Expected			1.221	0.495	3.17	43.5	0.002	0.0172	0.0883	18.04	0.0088		0.0088		0.0094	0.747	0.0147	0.0014	1.28	4.47	0.53
STD CDN-ME-9 Expected			0.654		0.012		0.93	0.0169	0.121	13.84						4.21	0.06	0.0284	4.05	6.74	1.86
BLK	Blank	<0.001	<0.001	<0.02	<0.01	<2	<0.001	<0.001	<0.01	<0.01	<0.02	<0.01	<0.001	<0.01	<0.01	<0.01	<0.01	<0.001	<0.01	<0.01	<0.01

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Client: **MacGregor, R.A.**

Project:
Report Date:

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QUALITY CONTROL REPORT

VAN21000149.1

Method		MA370	MA370	MA370
Analyte		K	W	S
Unit		%	%	%
MDL		0.01	0.01	0.05
Pulp Duplicates				
MA3	Rock Pulp	0.45	<0.01	1.13
REP MA3	QC	0.45	<0.01	1.10
Reference Materials				
STD CDN-ME-14	Standard	1.65	<0.01	15.52
STD CDN-ME-9	Standard	0.65	<0.01	2.55
STD CDN-ME-14 Expected		1.7		16.14
STD CDN-ME-9 Expected		0.616		2.58
BLK	Blank	<0.01	<0.01	<0.05



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PHONE (604) 253-3158

Client: MacGregor, R.A.

Submitted By:
Receiving Lab:
Received: January 26, 2021
Analysis Start: February 03, 2021
Report Date: February 16, 2021
Page: 1 of 4

CERTIFICATE OF ANALYSIS

VAN21000118.1

CLIENT JOB INFORMATION

Project: None Given
Shipment ID:
P.O. Number
Number of Samples: 82

SAMPLE PREPARATION AND ANALYTICAL PROCEDURES

Procedure Code	Number of Samples	Code Description	Test Wgt (g)	Report Status	Lab
SLBHP	82	Sorting, labeling and boxing samples received as pulps			VAN
AQ115-IGN	82	Ignite samples, acid digest, Au by ICP-MS	15	Completed	VAN

SAMPLE DISPOSAL

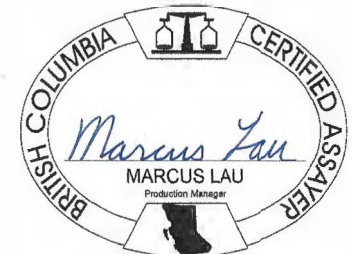
IMM-PLP Return immediately after analysis

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:

CC:



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Client: **MacGregor, R.A.**

Project:

Report Date:

Page:

Part: 1 of 1

CERTIFICATE OF ANALYSIS

VAN21000118.1

Method	AQ115
Analyte	Au
Unit	ppb
MDL	0.5
A1072	Rock Pulp 2.1
A1073	Rock Pulp 1.9
A1074	Rock Pulp 1.8
A1075	Rock Pulp 2.1
A1076	Rock Pulp 4.8
A1077	Rock Pulp 1.9
A1078	Rock Pulp 0.6
A1079	Rock Pulp 0.7
A1080	Rock Pulp 0.7
A1081	Rock Pulp 1.0
A1082	Rock Pulp 1.0
A1083	Rock Pulp <0.5
A1084	Rock Pulp 1.0
A1085	Rock Pulp 0.5
A1086	Rock Pulp 3.1
A1087	Rock Pulp 2.4
A1088	Rock Pulp 27.3
A1089	Rock Pulp 4.2
A1090	Rock Pulp 33.5
A1091	Rock Pulp 36.9
A1092	Rock Pulp 61.6
A1093	Rock Pulp 19.5



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Part: 1 of 1

QUALITY CONTROL REPORT

VAN21000118.1

Method	AQ115	
Analyte	Au	
Unit	ppb	
MDL	0.5	
Pulp Duplicates		
A487	Rock Pulp	0.8
REP A487	QC	0.8
A1074	Rock Pulp	1.8
REP A1074	QC	3.1
A1091	Rock Pulp	36.9
REP A1091	QC	38.9
Reference Materials		
STD OREAS901	Standard	389.8
STD OREAS901	Standard	360.2
STD OREAS901	Standard	375.4
STD OREAS901 Expected		363
BLK	Blank	<0.5
BLK	Blank	<0.5
BLK	Blank	<0.5



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Client: **MacGregor, R.A.**

Submitted By:
Receiving Lab:
Received:
Analysis Start:
Report Date:
Page:

CERTIFICATE OF ANALYSIS

VAN21000680.1

CLIENT JOB INFORMATION

Project: None Given
Shipment ID:
P.O. Number
Number of Samples: 52

SAMPLE PREPARATION AND ANALYTICAL PROCEDURES

Procedure Code	Number of Samples	Code Description	Test Wgt (g)	Report Status	Lab
SLBHP	52	Sorting, labeling and boxing samples received as pulps			VAN
FA130	52	Fire assay fusion Au Pt Pd by ICP-MS	30	Completed	VAN

SAMPLE DISPOSAL

IMM-PLP Return immediately after analysis

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:

CC:


SCOTT INGLIS
Fire Assay Manager

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Client: **MacGregor, R.A.**

Project:

Report Date:

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CERTIFICATE OF ANALYSIS

VAN21000680 1

Method	Analyte	FA130	FA130	FA130
		Au	Pt	Pd
Unit		ppb	ppb	ppb
MDL		1	0.1	0.5
APG117	Rock Pulp	164	0.5	1.0
APG118	Rock Pulp	70	0.6	1.0
APG119	Rock Pulp	8	3.5	4.8
APG120	Rock Pulp	45	0.9	1.6
APG121	Rock Pulp	6	0.4	0.8
APG122	Rock Pulp	21	2.6	5.7
APG123	Rock Pulp	9	0.2	0.7
APG124	Rock Pulp	13	0.6	1.0
APG125	Rock Pulp	6	0.7	0.9
APG126	Rock Pulp	6	0.4	0.9
APG127	Rock Pulp	13	0.3	0.6
APG128	Rock Pulp	11	1.8	1.7
APG129	Rock Pulp	7	5.5	6.2
APG130	Rock Pulp	3	7.3	6.1
APG131	Rock Pulp	3	10.0	9.2
APG132	Rock Pulp	5	11.0	9.9
APG133	Rock Pulp	3	8.1	7.1
APG134	Rock Pulp	6	0.3	0.7
APG135	Rock Pulp	7	0.4	0.7
APG136	Rock Pulp	>1000	0.9	1.4
APG137	Rock Pulp	2	7.2	7.6
APG138	Rock Pulp	7	0.7	1.1
APG139	Rock Pulp	158	4.0	3.6
APG140	Rock Pulp	19	0.8	0.9
APG141	Rock Pulp	52	1.1	1.8
APG142	Rock Pulp	9	3.4	4.3
APG143	Rock Pulp	11	0.4	0.9
APG144	Rock Pulp	6	0.7	1.2
APG145	Rock Pulp	123	0.4	1.4
APG146	Rock Pulp	254	0.5	0.8



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Client: **MacGregor, R.A.**

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CERTIFICATE OF ANALYSIS

VAN21000680.1

Method	Analyte	FA130	FA130	FA130
		Au	Pt	Pd
Unit		ppb	ppb	ppb
MDL		1	0.1	0.5
APG147	Rock Pulp	385	0.4	0.7
APG148	Rock Pulp	155	3.0	3.4
APG149	Rock Pulp	85	0.4	0.8
APG150	Rock Pulp	92	0.4	0.8
APG151	Rock Pulp	55	11.5	12.3
APG152	Rock Pulp	43	9.1	11.1
APG153	Rock Pulp	21	15.5	29.4
APG154	Rock Pulp	53	0.3	0.6
APG155	Rock Pulp	14	0.7	0.8
APG156	Rock Pulp	10	1.9	1.7
APG157	Rock Pulp	6	5.3	5.9
APG158	Rock Pulp	8	15.9	13.6
APG159	Rock Pulp	8	0.4	1.3
APG160	Rock Pulp	7	0.3	0.7
APG161	Rock Pulp	13	3.4	3.9
APG162	Rock Pulp	12	8.2	8.8
APG163	Rock Pulp	4	3.5	4.5
APG164	Rock Pulp	5	7.2	7.8
APG165	Rock Pulp	26	1.1	2.1
APG166	Rock Pulp	743	1.2	1.7
API99	Rock Pulp	8	0.6	1.1
API100	Rock Pulp	9	0.3	0.7



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QUALITY CONTROL REPORT

VAN21000680.1

Method		FA130	FA130	FA130
Analyte		Au	Pt	Pd
Unit		ppb	ppb	ppb
MDL		1	0.1	0.5
Pulp Duplicates				
APG142	Rock Pulp	9	3.4	4.3
REP APG142	QC	9	3.3	3.8
APG162	Rock Pulp	12	8.2	8.8
REP APG162	QC	9	8.5	8.7
Reference Materials				
STD KO74421	Standard	524	468.7	494.1
STD OREAS47	Standard	45	28.3	43.1
STD OREAS47	Standard	47	28.7	46.0
STD PD05	Standard	505	431.2	595.0
STD KO74421 Expected		518	459	466
STD PD05 Expected		519	430	596
STD OREAS47 Expected		44.7	30	44.2
BLK	Blank	4	0.4	0.9
BLK	Blank	4	0.4	0.8
BLK	Blank	4	0.3	1.0



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Client: **MacGregor, R.A.**

Submitted By:
Receiving Lab:
Received:
Analysis Start:
Report Date:
Page:

CERTIFICATE OF ANALYSIS

VAN21001006.1

CLIENT JOB INFORMATION

Project: None Given
Shipment ID:
P.O. Number
Number of Samples: 37

SAMPLE PREPARATION AND ANALYTICAL PROCEDURES

Procedure Code	Number of Samples	Code Description	Test Wgt (g)	Report Status	Lab
BAT01	1	Batch charge of <50 samples			VAN
SLBHP	37	Sorting, labeling and boxing samples received as pulps			VAN
AQ201	37	1:1:1 Aqua Regia digestion ICP-MS analysis	15	Completed	VAN

SAMPLE DISPOSAL

IMM-PLP Return immediately after analysis

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.

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Client: **MacGregor, R.A.**

Project:

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CERTIFICATE OF ANALYSIS

VAN21001006 1

Method	Analyte	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	
		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	ppm	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%		
MDL		0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.1	0.5	0.1	1	0.1	0.1	1	0.01	0.001			
IAX1590	Rock Pulp	2.0	>10000	59.0	748	3.3	28.4	452.7	401	7.80	391.3	4.3	142.0	3.3	2	6.7	<0.1	5.6	83	0.24	0.088		
IAX1591	Rock Pulp	0.8	>10000	72.2	25	9.1	5.1	25.0	24	2.88	132.7	1.1	352.7	4.4	2	0.4	<0.1	8.6	4	0.02	0.012		
IAX1592	Rock Pulp	0.8	>10000	42.7	60	12.7	5.0	45.8	44	4.42	39.6	3.1	256.8	13.1	2	1.0	<0.1	8.7	2	0.05	0.030		
IAX1593	Rock Pulp	4.4	>10000	34.2	23	7.8	2.6	8.6	14	2.71	14.7	0.6	151.8	2.9	2	0.2	<0.1	1.3	<1	0.02	0.007		
IAX1594	Rock Pulp	0.6	177.9	15.2	1	0.4	3.7	10.7	20	0.75	364.2	0.4	39.5	3.7	1	<0.1	<0.1	2.8	3	<0.01	0.007		
IAX1595	Rock Pulp	3.3	41.1	11.1	12	<0.1	3.9	1.9	18	0.25	<0.5	2.1	1.8	9.1	3	<0.1	<0.1	<0.1	<1	0.03	0.003		
IAX1596	Rock Pulp	0.5	3884.0	4.9	66	1.0	21.5	67.0	17	0.65	101.2	<0.1	52.5	0.2	<1	0.6	<0.1	0.7	<1	<0.01	0.003		
IAX1597	Rock Pulp	0.5	12.2	2.9	8	<0.1	7.5	4.5	46	0.84	1.4	3.7	3.0	29.8	1	<0.1	<0.1	0.3	2	<0.01	0.007		
IAX1598	Rock Pulp	0.2	4.0	3.0	3	<0.1	5.0	3.7	30	0.71	<0.5	2.0	5.0	25.5	<1	<0.1	<0.1	0.1	2	<0.01	0.008		
IAX1599	Rock Pulp	1.2	2393.2	15.7	3	3.7	33.0	46.3	18	2.36	18.2	0.9	57.0	6.9	2	<0.1	<0.1	1.5	3	<0.01	0.006		
IAX1600	Rock Pulp	0.5	528.1	5.4	2	1.4	3.8	1.3	23	0.67	6.3	<0.1	61.9	0.3	1	<0.1	<0.1	0.5	2	0.02	0.004		
IAX1601	Rock Pulp	0.5	637.4	5.3	9	0.5	9.4	31.4	55	1.33	72.3	0.4	15.7	0.7	2	<0.1	<0.1	0.3	16	0.05	0.020		
IAX1602	Rock Pulp	2.9	763.4	113.9	233	0.3	3.1	10.6	158	0.94	54.6	24.4	5.4	139.3	8	1.2	0.2	0.4	<1	0.29	0.011		
IAX1603	Rock Pulp	0.9	151.9	3.2	47	<0.1	51.3	25.1	570	3.93	0.9	2.1	1.7	8.9	21	<0.1	<0.1	<0.1	78	1.26	0.058		
IAX1604	Rock Pulp	0.9	5.0	2.8	2	<0.1	2.6	1.0	20	0.29	<0.5	4.7	<0.5	24.2	2	<0.1	<0.1	<0.1	2	0.01	0.008		
IAX1605	Rock Pulp	2.2	55.9	0.9	24	<0.1	109.3	23.1	1093	2.77	1.2	<0.1	0.7	<0.1	23	<0.1	<0.1	<0.1	50	1.43	0.013		
IAX1606	Rock Pulp	<0.1	38.5	11.0	9	<0.1	270.1	35.2	696	0.88	<0.5	<0.1	0.8	<0.1	32	<0.1	<0.1	<0.1	18	7.46	0.007		
IAX1607	Rock Pulp	1.2	19.9	3.5	31	<0.1	10.4	9.4	145	2.18	0.8	0.9	0.6	3.7	10	<0.1	<0.1	<0.1	44	0.31	0.058		
IAX1608	Rock Pulp	0.8	19.4	5.1	33	<0.1	11.5	4.8	128	2.20	<0.5	0.8	<0.5	1.7	9	<0.1	<0.1	<0.1	37	0.37	0.054		
IAX1609	Rock Pulp	1.0	9.2	6.2	35	<0.1	5.6	6.7	646	1.60	<0.5	1.2	0.6	0.7	7	0.1	<0.1	<0.1	31	0.18	0.060		
IAX1610	Rock Pulp	0.9	18.3	7.3	108	0.1	18.9	13.7	355	3.47	1.6	0.5	0.7	3.3	7	0.1	0.1	0.1	77	0.22	0.062		
IAX1611	Rock Pulp	1.0	6.1	7.0	68	<0.1	9.5	6.5	151	2.71	1.4	0.4	<0.5	2.7	6	<0.1	0.1	0.1	54	0.17	0.037		
IAX1612	Rock Pulp	0.6	12.1	5.9	56	<0.1	13.6	8.5	176	2.46	1.3	0.4	<0.5	2.6	8	0.1	0.1	<0.1	46	0.26	0.048		
IAX1613	Rock Pulp	0.5	3.0	21.2	154	0.3	1.4	0.6	484	0.40	7.1	0.8	14.0	0.3	270	0.5	3.8	0.4	2	16.84	0.030		
IAX1614	Rock Pulp	1.5	3.6	49.6	87	0.1	3.2	1.6	921	1.28	4.6	1.1	1.5	0.8	736	0.3	0.8	0.4	6	15.15	0.074		
IAX1615	Rock Pulp	1.2	3.6	13.0	483	<0.1	4.2	2.1	298	0.53	2.9	0.4	<0.5	0.9	214	1.3	0.6	0.2	4	16.79	0.045		
IAX1616	Rock Pulp	<0.1	0.4	4.7	30	<0.1	<0.1	<0.1	649	0.08	2.7	0.3	3.9	1.2	1133	0.4	<0.1	<0.1	3	31.39	0.007		
IAX1617	Rock Pulp	0.2	95.9	1.6	24	<0.1	2.8	1.7	379	1.98	10.0	0.3	153.5	0.6	475	0.2	11.5	1.1	18	18.29	0.015		
IAX1618	Rock Pulp	0.7	2.9	3.3	13	<0.1	11.2	6.7	204	4.20	18.2	1.6	50.6	4.2	142	0.3	5.9	0.2	45	15.24	0.026		
IAX1619	Rock Pulp	0.8	47.5	24.3	148	0.6	4.7	0.3	386	0.16	10.9	0.2	4.2	0.7	1143	0.7	9.4	0.3	2	21.10	0.012		

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.



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PHONE (604) 253-3158

Project:
Report Date:

Page: 2 of 3

Part: 2 of 2

CERTIFICATE OF ANALYSIS

VAN21001006.1

Method	Analyte	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201
		La	Cr	Mg	Ba	Tl	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se	Te
Unit		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	
IAX1590	Rock Pulp	13	85	1.73	66	0.118	<1	2.97	0.004	0.68	<0.1	0.05	10.4	0.2	1.67	17	12.4	0.4
IAX1591	Rock Pulp	15	189	0.03	21	0.004	<1	0.23	0.007	0.18	0.1	0.03	0.9	0.2	2.02	2	39.9	1.4
IAX1592	Rock Pulp	26	109	0.17	32	0.017	<1	0.60	0.004	0.30	0.2	0.02	0.5	0.3	3.43	2	40.3	1.6
IAX1593	Rock Pulp	13	113	0.02	41	0.001	<1	0.25	0.004	0.20	0.1	<0.01	0.1	<0.1	1.44	<1	23.5	0.3
IAX1594	Rock Pulp	9	151	0.03	24	0.002	<1	0.21	0.003	0.16	<0.1	0.01	0.2	<0.1	0.06	<1	3.0	<0.2
IAX1595	Rock Pulp	18	140	0.03	35	0.001	1	0.24	0.016	0.17	<0.1	<0.01	<0.1	<0.1	<0.05	<1	<0.5	<0.2
IAX1596	Rock Pulp	<1	173	<0.01	3	<0.001	<1	0.05	0.002	0.02	<0.1	<0.01	<0.1	<0.1	0.46	<1	7.8	<0.2
IAX1597	Rock Pulp	33	140	0.18	29	0.036	<1	0.58	0.004	0.41	<0.1	<0.01	0.2	0.6	<0.05	1	<0.5	<0.2
IAX1598	Rock Pulp	41	103	0.22	16	0.033	<1	0.62	0.005	0.43	<0.1	<0.01	0.2	0.4	<0.05	1	<0.5	<0.2
IAX1599	Rock Pulp	17	114	0.04	15	0.006	<1	0.31	0.006	0.19	0.1	<0.01	0.2	0.3	1.33	1	9.4	<0.2
IAX1600	Rock Pulp	2	163	0.02	6	0.005	<1	0.08	0.004	0.03	<0.1	<0.01	<0.1	<0.1	0.07	<1	3.3	<0.2
IAX1601	Rock Pulp	4	166	0.46	15	0.004	<1	0.58	0.003	0.01	<0.1	<0.01	1.6	<0.1	0.07	5	0.9	<0.2
IAX1602	Rock Pulp	78	5	0.16	18	0.002	1	0.21	0.007	0.13	<0.1	<0.01	0.2	0.1	0.23	<1	<0.5	<0.2
IAX1603	Rock Pulp	26	152	1.65	53	0.137	2	2.36	0.101	0.20	0.2	<0.01	8.1	<0.1	<0.05	8	<0.5	<0.2
IAX1604	Rock Pulp	21	96	0.03	41	0.003	<1	0.38	0.005	0.30	<0.1	<0.01	0.2	<0.1	<0.05	<1	<0.5	<0.2
IAX1605	Rock Pulp	<1	387	0.73	23	0.106	<1	1.00	0.123	0.06	1.5	<0.01	6.1	<0.1	0.20	3	<0.5	<0.2
IAX1606	Rock Pulp	<1	177	0.41	14	0.056	<1	0.48	0.033	0.01	<0.1	<0.01	1.6	<0.1	0.23	1	<0.5	<0.2
IAX1607	Rock Pulp	13	17	0.34	38	0.113	2	1.64	0.024	0.05	<0.1	0.06	2.9	<0.1	<0.05	4	<0.5	<0.2
IAX1608	Rock Pulp	14	18	0.30	39	0.093	2	1.41	0.021	0.06	<0.1	0.05	2.7	0.1	<0.05	6	<0.5	<0.2
IAX1609	Rock Pulp	19	13	0.14	41	0.055	2	1.19	0.009	0.04	<0.1	0.07	1.5	0.1	<0.05	5	<0.5	<0.2
IAX1610	Rock Pulp	11	29	0.67	90	0.156	3	2.42	0.010	0.06	0.2	0.05	3.6	0.1	<0.05	8	<0.5	<0.2
IAX1611	Rock Pulp	8	22	0.29	62	0.118	2	1.88	0.010	0.04	0.2	0.04	2.1	<0.1	<0.05	8	<0.5	<0.2
IAX1612	Rock Pulp	10	25	0.60	55	0.122	3	2.00	0.013	0.06	0.1	0.04	2.7	0.1	<0.05	6	<0.5	<0.2
IAX1613	Rock Pulp	2	1	6.84	32	0.002	4	0.04	0.010	<0.01	0.2	0.03	0.2	<0.1	0.31	<1	<0.5	<0.2
IAX1614	Rock Pulp	29	8	7.56	147	0.010	7	0.19	0.029	0.05	0.3	0.01	1.0	0.1	1.13	<1	<0.5	<0.2
IAX1615	Rock Pulp	4	5	9.47	77	0.011	1	0.11	0.027	0.05	0.4	0.08	1.0	<0.1	0.42	<1	<0.5	<0.2
IAX1616	Rock Pulp	67	6	1.32	223	0.016	6	0.12	0.017	0.12	<0.1	<0.01	13.7	0.1	<0.05	<1	<0.5	<0.2
IAX1617	Rock Pulp	7	14	8.36	56	0.012	15	0.32	0.049	0.10	1.0	0.28	2.1	0.1	1.84	1	<0.5	<0.2
IAX1618	Rock Pulp	18	47	2.92	103	0.018	35	1.32	0.066	0.22	6.4	0.31	8.9	<0.1	2.00	4	<0.5	<0.2
IAX1619	Rock Pulp	4	2	6.23	1609	0.001	4	0.04	0.015	<0.01	0.3	0.20	1.0	<0.1	0.14	<1	<0.5	<0.2

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Client: **MacGregor, R.A.**

Project:
Report Date:

Page:

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QUALITY CONTROL REPORT

VAN21001006.1

Method	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201
Analyte	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	ppm	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%	
MDL	0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.1	0.5	0.1	1	0.1	0.1	0.1	1	0.01	0.001	
Pulp Duplicates																					
IAX1591	Rock Pulp	0.8	>10000	72.2	25	9.1	5.1	25.0	24	2.88	132.7	1.1	352.7	4.4	2	0.4	<0.1	8.6	4	0.02	0.012
REP IAX1591	QC	0.8	>10000	72.1	25	9.1	5.1	24.7	24	2.82	131.6	1.1	348.2	4.4	2	0.5	<0.1	8.6	4	0.02	0.012
IAX1618	Rock Pulp	0.7	2.9	3.3	13	<0.1	11.2	6.7	204	4.20	18.2	1.6	50.6	4.2	142	0.3	5.9	0.2	45	15.24	0.026
REP IAX1618	QC	0.6	3.1	3.4	13	<0.1	11.0	6.6	208	4.24	19.6	1.8	50.9	4.7	143	0.3	6.7	0.2	45	15.36	0.026
Reference Materials																					
STD BVGEO01	Standard	11.1	4417.6	206.2	1710	2.7	161.2	24.4	758	3.71	122.3	4.1	219.5	16.8	62	7.2	3.9	28.2	77	1.37	0.082
STD DS11	Standard	14.2	147.2	129.2	329	1.7	76.6	13.1	1013	3.01	40.4	2.3	82.6	7.0	66	2.2	8.1	10.4	49	1.05	0.068
STD OREAS262	Standard	0.7	110.5	61.3	146	0.5	65.8	29.0	554	3.22	37.7	1.4	63.3	10.9	37	0.8	5.9	1.1	24	3.07	0.037
STD OREAS262	Standard	0.7	113.6	55.1	149	0.4	61.5	27.1	539	3.12	33.4	1.1	65.3	8.5	35	0.6	5.5	0.9	22	2.95	0.040
STD BVGEO01 Expected		11.2	4415	187	1741	2.53	163	25	733	3.7	121	3.77	219	14.4	55	6.5	3.39	25.6	73	1.3219	0.0727
STD DS11 Expected		14.6	149	138	345	1.71	77.7	14.2	1055	3.1	42.8	2.59	79	7.65	67.3	2.37	8.74	12.2	50	1.063	0.0701
STD OREAS262 Expected		0.68	118	56	154	0.45	62	26.9	530	3.284	35.8	1.22	65	9.33	36	0.61	5.06	1.03	22.5	2.98	0.04
BLK	Blank	<0.1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	<0.01	<0.5	<0.1	<0.5	<0.1	<1	0.1	<0.1	<0.1	<1	<0.01	<0.001
BLK	Blank	<0.1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	<0.01	<0.5	<0.1	<0.5	<0.1	<1	<0.1	<0.1	<0.1	<1	<0.01	<0.001



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Client: **MacGregor, R.A.**

Project:
Report Date:

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QUALITY CONTROL REPORT

VAN21001006-1

Method	Analyte	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201
		La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se	Te
Unit		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	
Pulp Duplicates																		
IAX1591	Rock Pulp	15	189	0.03	21	0.004	<1	0.23	0.007	0.18	0.1	0.03	0.9	0.2	2.02	2	39.9	1.4
REP IAX1591	QC	14	179	0.03	21	0.004	<1	0.22	0.007	0.17	0.1	0.02	0.9	0.2	1.99	1	39.2	1.3
IAX1618	Rock Pulp	18	47	2.92	103	0.018	35	1.32	0.066	0.22	6.4	0.31	8.9	<0.1	2.00	4	<0.5	<0.2
REP IAX1618	QC	20	47	2.93	113	0.018	36	1.33	0.068	0.23	6.5	0.32	8.9	<0.1	2.07	4	<0.5	<0.2
Reference Materials																		
STD BVGEO01	Standard	29	205	1.33	268	0.225	3	2.50	0.218	0.89	5.2	0.10	6.7	0.6	0.66	7	4.9	1.1
STD DS11	Standard	17	58	0.83	343	0.091	6	1.17	0.074	0.40	2.9	0.25	3.1	4.8	0.27	5	2.3	4.4
STD OREAS262	Standard	20	45	1.19	272	0.003	3	1.55	0.069	0.36	0.2	0.16	3.9	0.5	0.27	4	<0.5	0.2
STD OREAS262	Standard	16	43	1.16	236	0.002	3	1.39	0.065	0.31	0.2	0.17	3.0	0.5	0.25	4	<0.5	0.2
STD BVGEO01 Expected		25.9	187	1.2963	260	0.233	3.8	2.347	0.1924	0.89	5.3	0.1	5.97	0.62	0.6655	7.37	4.84	1.02
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 OREAS262 Expected		15.9	41.7	1.17	248	0.0027	4	1.3	0.071	0.312	0.2	0.17	3.24	0.47	0.253	4.1	0.4	0.23
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



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Client: **MacGregor, R.A.**

Submitted By:
Receiving Lab:
Received: October 24, 2022
Analysis Start: October 26, 2022
Report Date: November 14, 2022
Page: 1 of 5

CERTIFICATE OF ANALYSIS

VAN22003185.1

CLIENT JOB INFORMATION

Project: None Given
Shipment ID:
P.O. Number
Number of Samples: 100

SAMPLE PREPARATION AND ANALYTICAL PROCEDURES

Procedure Code	Number of Samples	Code Description	Test Wgt (g)	Report Status	Lab
SLBHP	100	Sorting, labeling and boxing samples received as pulps			VAN
GC840	100	Trace level F by specific ion electrode	0.2	Completed	VAN

SAMPLE DISPOSAL

IMM-PLP Return immediately after analysis

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:

CC:


ERIC LAU
Wet Assay Supervisor

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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Project:
Report Date:

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CERTIFICATE OF ANALYSIS

VAN22003185.1

Method	GC840
Analyte	F
Unit	ppm
MDL	10
F153	Rock Pulp 198
F154	Rock Pulp 38
F155	Rock Pulp 131
F156	Rock Pulp 23
F157	Rock Pulp 14
F158	Rock Pulp 32
F159	Rock Pulp 1568
F160	Rock Pulp 1313
F161	Rock Pulp 4710
F162	Rock Pulp 1224
F163	Rock Pulp 4693
F164	Rock Pulp 1430
F165	Rock Pulp 2070
F166	Rock Pulp >10000
F167	Rock Pulp 1264
F168	Rock Pulp 1768
F169	Rock Pulp 279
F170	Rock Pulp 1230
F171	Rock Pulp 175
F172	Rock Pulp 66
F173	Rock Pulp 555
F174	Rock Pulp 450
F175	Rock Pulp 670
F176	Rock Pulp 270
F177	Rock Pulp 828
F178	Rock Pulp 502
F179	Rock Pulp 3307
F180	Rock Pulp 77
F181	Rock Pulp 364
F182	Rock Pulp 58



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Project:
Report Date:

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CERTIFICATE OF ANALYSIS

VAN22003185.1

	Method	GC840
	Analyte	F
	Unit	ppm
	MDL	10
F183	Rock Pulp	121
F184	Rock Pulp	5628
F185	Rock Pulp	258
F186	Rock Pulp	218
F187	Rock Pulp	131
F188	Rock Pulp	361
F189	Rock Pulp	7889
F190	Rock Pulp	1323
F191	Rock Pulp	2820
F192	Rock Pulp	187
F193	Rock Pulp	696
F194	Rock Pulp	83
F195	Rock Pulp	166
F196	Rock Pulp	370
F197	Rock Pulp	463
F198	Rock Pulp	364
F199	Rock Pulp	333
F200	Rock Pulp	508
F201	Rock Pulp	576
F202	Rock Pulp	633
F203	Rock Pulp	891
F204	Rock Pulp	2394
F205	Rock Pulp	1981
F206	Rock Pulp	327
F207	Rock Pulp	1571
F208	Rock Pulp	2225
F209	Rock Pulp	1479
F210	Rock Pulp	969
F211	Rock Pulp	883
F212	Rock Pulp	808



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Bureau Veritas Commodities Canada Ltd.

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PHONE (604) 253-3158

Client: **MacGregor, R.A.**

Project

Report Date:

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Part: 1 of 1

CERTIFICATE OF ANALYSIS

VAN22003185.1

	Method	GC840
	Analyte	F
	Unit	ppm
	MDL	10
F213	Rock Pulp	316
F214	Rock Pulp	335
F215	Rock Pulp	289
F216	Rock Pulp	1046
F217	Rock Pulp	341
F218	Rock Pulp	369
F219	Rock Pulp	411
F220	Rock Pulp	367
F221	Rock Pulp	264
F222	Rock Pulp	186



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Part: 1 of 1

QUALITY CONTROL REPORT

VAN22003185.1

	Method	GC840
	Analyte	F
	Unit	ppm
	MDL	10
Pulp Duplicates		
F132	Rock Pulp	192
REP F132	QC	190
F140	Rock Pulp	90
REP F140	QC	86
F187	Rock Pulp	131
REP F187	QC	127
F218	Rock Pulp	369
REP F218	QC	375
Reference Materials		
STD OREAS993	Standard	503
STD OREAS993	Standard	525
STD OREAS993	Standard	498
STD OREAS993	Standard	494
STD STSD-1	Standard	1015
STD STSD-1	Standard	984
STD STSD-1	Standard	1039
STD STSD-1	Standard	1015
STD STSD-1 Expected		950
STD OREAS993 Expected		511
BLK	Blank	12
BLK	Blank	50
BLK	Blank	<10
BLK	Blank	<10



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PHONE (604) 253-3158

Client: MacGregor, R.A.

Submitted By:
Receiving Lab:
Received: February 21, 2023
Analysis Start: February 22, 2023
Report Date: February 28, 2023
Page: 1 of 3

CERTIFICATE OF ANALYSIS

VAN23000315.1

CLIENT JOB INFORMATION

Project: None Given
Shipment ID:
P.O. Number
Number of Samples: 55

SAMPLE PREPARATION AND ANALYTICAL PROCEDURES

Procedure Code	Number of Samples	Code Description	Test Wgt (g)	Report Status	Lab
SLBHP	55	Sorting, labeling and boxing samples received as pulps			VAN
AQ115-IGN	55	Ignite samples, acid digest, Au by ICP-MS	15	Completed	VAN

SAMPLE DISPOSAL

IMM-PLP Return immediately after analysis

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:

CC:

JEFFREY CANNON
Geochemistry Department Supervisor

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*** asterisk indicates that an analytical result could not be provided due to unusually high levels of interference from other elements.



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Project:
Report Date:

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CERTIFICATE OF ANALYSIS

VAN23000315.1

Method	AQ115
Analyte	Au
Unit	ppb
MDL	0.5
A1152	3.1
A1153	14.9
A1154	25.5
A1155	13.1
A1156	1.5
A1157	1.1
A1158	1.4
A1159	1.3
A1160	19.2
A1161	11.8
A1162	0.6
A1163	11.4
A1164	1.5
A1165	7.7
A1166	2.7
A1167	3.3
A1168	6.5
A1169	5.5
A1170	6.7
A1171	0.6
A1172	6.7
A1173	<0.5
A1174	7.0
A1175	5.0
A1176	3.0
A1177	4.0
A1178	0.5
A1179	3.1
A1180	3.9
A1181	0.7



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Project:
Report Date:

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CERTIFICATE OF ANALYSIS

VAN23000315.1

Method	AQ115
Analyte	Au
Unit	ppb
MDL	0.5
A1182	Rock Pulp 1.3
A1183	Rock Pulp 1.8
A1184	Rock Pulp <0.5
A1185	Rock Pulp 2.7
A1186	Rock Pulp 0.8
A1187	Rock Pulp 0.6
A1188	Rock Pulp 1.4
A1189	Rock Pulp <0.5
A1190	Rock Pulp <0.5
A1191	Rock Pulp 0.6
A1192	Rock Pulp <0.5
A1193	Rock Pulp <0.5
A1194	Rock Pulp <0.5
A1195	Rock Pulp 6.7
A1196	Rock Pulp 1.7
A1197	Rock Pulp 4.0
A1198	Rock Pulp 10.7
A1199	Rock Pulp 9.7
A1200	Rock Pulp 1.3
A1201	Rock Pulp 2.3
A1202	Rock Pulp 2.2
A1203	Rock Pulp 12.2
A1204	Rock Pulp 1.0
A1205	Rock Pulp 15.2
A1206	Rock Pulp <0.5



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Client: **MacGregor, R.A.**

Project:

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QUALITY CONTROL REPORT

VAN23000315.1

Method	AQ115
Analyte	Au
Unit	ppb
MDL	0.5
Pulp Duplicates	
A1162 Rock Pulp	0.6
REP A1162 QC	0.8
A1193 Rock Pulp	<0.5
REP A1193 QC	<0.5
Reference Materials	
STD OREAS606 Standard	312.5
STD OREAS606 Standard	304.2
STD OREAS905 Standard	374.7
STD OREAS905 Standard	366.0
STD OREAS905 Expected	395
STD OREAS606 Expected	315
BLK Blank	<0.5
BLK Blank	<0.5



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Client:

Submitted By:
Receiving Lab:
Received:
Analysis Start:
Report Date:
Page:

CERTIFICATE OF ANALYSIS

VAN23000534.1

CLIENT JOB INFORMATION

Project: None Given
Shipment ID:
P.O. Number
Number of Samples: 56

SAMPLE PREPARATION AND ANALYTICAL PROCEDURES

Procedure Code	Number of Samples	Code Description	Test Wgt (g)	Report Status	Lab
SLBHP	56	Sorting, labeling and boxing samples received as pulps			VAN
FA330	56	Fire assay fusion Au Pt Pd by ICP-ES	30	Completed	VAN

SAMPLE DISPOSAL

IMM-PLP Return immediately after analysis

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:

CC:


SCOTT INGLIS
Fire Assay Manager

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Report Date:

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CERTIFICATE OF ANALYSIS

VAN23000534.1

Method	Analyte	FA330	FA330	FA330
		Au	Pt	Pd
Unit		ppb	ppb	ppb
MDL		2	3	2
EPG 52	Rock Pulp	4	7	4
EPG 53	Rock Pulp	5	4	10
EPG 54	Rock Pulp	8	<3	<2
EPG 55	Rock Pulp	9	<3	<2
EPG 56	Rock Pulp	6	<3	<2
EPG 57	Rock Pulp	308	<3	6
EPG 58	Rock Pulp	10	6	21
EPG 59	Rock Pulp	4	5	12
EPG 60	Rock Pulp	6	<3	<2
EPG 61	Rock Pulp	5	9	10
EPG 62	Rock Pulp	12	<3	60
EPG 63	Rock Pulp	101	<3	7
EPG 64	Rock Pulp	4	<3	9
EPG 65	Rock Pulp	3	5	8
EPG 66	Rock Pulp	4	<3	<2
EPG 67	Rock Pulp	11	<3	<2
EPG 68	Rock Pulp	2	10	9
EPG 69	Rock Pulp	4	4	8
EPG 70	Rock Pulp	15	<3	<2
EPG 71	Rock Pulp	3	3	9
EPG 72	Rock Pulp	2	4	2
EPG 73	Rock Pulp	5	4	8
EPG 74	Rock Pulp	9	10	<2
EPG 75	Rock Pulp	<2	7	13
EPG 76	Rock Pulp	7	10	12
EPG 77	Rock Pulp	9	9	10
EPG 78	Rock Pulp	4	8	12
EPG 79	Rock Pulp	2	9	10
EPG 80	Rock Pulp	13	11	13
EPG 81	Rock Pulp	3	8	9



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CERTIFICATE OF ANALYSIS

VAN23000534.1

Method	Analyte	FA330	FA330	FA330
		Au	Pt	Pd
Unit		ppb	ppb	ppb
MDL		2	3	2
EPG 82	Rock Pulp	4	12	11
EPG 83	Rock Pulp	5	6	10
EPG 84	Rock Pulp	4	11	14
EPG 85	Rock Pulp	14	<3	2
EPG 86	Rock Pulp	30	<3	<2
EPG 87	Rock Pulp	18	<3	2
EPG 88	Rock Pulp	36	<3	2
EPG 89	Rock Pulp	27	<3	<2
EPG 90	Rock Pulp	59	<3	3
EPG 91	Rock Pulp	20	<3	<2
EPG 92	Rock Pulp	12	<3	<2
EPG 93	Rock Pulp	12	4	5
EPG 94	Rock Pulp	7	<3	<2
EPG 95	Rock Pulp	50	<3	11
EPG 96	Rock Pulp	11	<3	<2
EPG 97	Rock Pulp	16	<3	<2
EPG 98	Rock Pulp	9	<3	3
EPG 99	Rock Pulp	7	<3	<2
EPG 100	Rock Pulp	6	<3	<2
APG 167	Rock Pulp	7	8	14
APG 168	Rock Pulp	359	<3	<2
APG 169	Rock Pulp	6	<3	<2
APG 170	Rock Pulp	28	<3	<2
APG 171	Rock Pulp	7	<3	<2
APG 172	Rock Pulp	8	<3	<2
APG 173	Rock Pulp	7	<3	4



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QUALITY CONTROL REPORT

VAN23000534.1

Method	FA330	FA330	FA330
Analyte	Au	Pt	Pd
Unit	ppb	ppb	ppb
MDL	2	3	2
Pulp Duplicates			
EPG 59	Rock Pulp	4	5 12
REP EPG 59	QC	5	6 11
EPG 91	Rock Pulp	20	<3 <2
REP EPG 91	QC	27	<3 5
Reference Materials			
STD KO74421	Standard	511	443 474
STD PD05	Standard	518	421 599
STD PD05	Standard	515	408 585
STD PG04	Standard	1030	907 1213
STD KO74421 Expected		518	459 480
STD PG04 Expected		996	910 1210
STD PD05 Expected		519	430 596
BLK	Blank	6	<3 <2
BLK	Blank	7	<3 3

Appendix III

Cost Receipts

Appendix IV

Daily Log of Work Hours

Daily Log

Date	Activity	Hours
Aug 14/20	Pick up samples from bus station & store	1
Aug 28/20	Pick up from storage, package & ship 55 samples	7
Jan 20/21	Pick up from storage, package & ship 11 samples	$\frac{2}{10 \text{ hrs}}$
Feb 10/23	Pick up from storage, package & ship 13 samples	2
March 22/23	Pick up from storage package & ship 19 samples	$\frac{3}{5 \text{ hrs}}$