



Ministere des Ressources naturelles et de la Faune
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Val-d'Or PQ 261
Canada

Report No.: A23-13750-ReAssay
Report Date: 24-Jan-24
Date Submitted: 26-Sep-23
Your Reference: GOCHIGAMI NO:7

ATTN: Olivier Lamarche

CERTIFICATE OF ANALYSIS

196 Lake Sediments samples were submitted for analysis.

The following analytical package(s) were requested:		Testing Date:
UT-2-MRNF Quebec	QOP AquaGeo/QOP Ultratrace-1 (Aqua Regia ICPOES/ICPMS)	2024-01-04 10:29:41

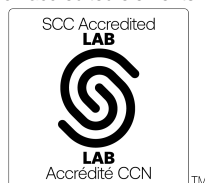
REPORT A23-13750-ReAssay

This report may be reproduced without our consent. If only selected portions of the report are reproduced, permission must be obtained. If no instructions were given at time of sample submittal regarding excess material, it will be discarded within 90 days of this report. Our liability is limited solely to the analytical cost of these analyses. Test results are representative only of material submitted for analysis.

Notes:

Assays are recommended for values above the upper limit. The Au from AR-MS is for information purposes, for accurate Au fire assay 1A2 should be requested.

Refer to the Scope of Accreditation for information on accredited elements.



LabID: 266

ACTIVATION LABORATORIES LTD.
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CERTIFIED BY:

A handwritten signature in black ink, reading "Mark Vandergeest".

Mark Vandergeest
Quality Control Coordinator

Results

Activation Laboratories Ltd.

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Analyte Symbol	Au	Ag	Al	As	B	Ba	Bi	Ca	Cd	Co	Cr	Cs	Cu	Er	Eu	Dy	Fe	Ga	K	La	Lu	Mg	Mn
Unit Symbol	ppb	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	%	ppm	ppm	%	ppm
Lower Limit	0.2	0.002	0.01	0.1	1	0.5	0.02	0.01	0.01	0.1	1	0.02	0.2	0.1	0.1	0.1	0.01	0.02	0.01	0.5	0.1	0.01	1
Method Code	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS
144800	0.3	< 0.002	0.03	0.6	< 1	7.6	< 0.02	< 0.01	< 0.01	0.3	4	0.02	4.1	< 0.1	< 0.1	< 0.1	0.32	0.07	< 0.01	0.7	< 0.1	< 0.01	27
144801	0.7	0.139	0.37	0.9	3	44.1	0.03	0.27	0.26	0.8	4	0.26	6.4	0.3	0.2	0.5	0.20	1.28	0.02	7.8	< 0.1	0.03	17

Results

Activation Laboratories Ltd.

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Analyte Symbol	Mo	Na	Ni	P	Pb	S	Sb	Sc	Se	Sr	Te	Th	Ti	Tl	Tm	U	W	V	Zn	Be	Ce	Ge	Hf
Unit Symbol	ppm	%	ppm	%	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Lower Limit	0.01	0.001	0.1	0.001	0.1	0.001	0.02	0.1	0.1	0.5	0.02	0.1	0.001	0.02	0.1	0.1	0.1	1	0.1	0.1	0.01	0.1	0.1
Method Code	AR-MS	AR-MS	AR-MS	AR-ICP	AR-MS	AR-ICP	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-ICP	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS
144800	0.62	0.010	2.2	< 0.001	0.4	0.001	0.04	< 0.1	0.4	< 0.5	< 0.02	0.5	0.015	< 0.02	< 0.1	< 0.1	< 0.1	2	< 0.1	< 0.1	1.84	< 0.1	< 0.1
144801	1.45	0.022	6.2	0.038	4.9	0.235	0.06	0.3	1.3	18.1	< 0.02	< 0.1	0.019	< 0.02	< 0.1	0.9	0.5	6	14.4	0.1	13.9	< 0.1	< 0.1

Results

Activation Laboratories Ltd.

Report: A23-13750

Analyte Symbol	In	Li	Nb	Nd	Rb	Re	Sn	Sm	Ta	Tb	Y	Yb	Zr	Pt	Pr	Pd	Hg	Ho
Unit Symbol	ppm	ppm	ppm	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppb	ppm	ppb	ppb	ppm
Lower Limit	0.02	0.1	0.02	0.02	0.1	0.2	0.05	0.1	0.05	0.1	0.01	0.1	0.1	2	0.1	10	10	0.1
Method Code	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS
144800	< 0.02	0.2	0.23	0.67	0.1	< 0.2	0.49	0.1	< 0.05	< 0.1	0.30	< 0.1	0.4	< 2	0.2	< 10	< 10	< 0.1
144801	< 0.02	0.7	0.42	5.60	1.5	0.6	0.19	0.9	< 0.05	0.1	2.59	0.2	0.5	< 2	1.7	< 10	60	< 0.1

Analyte Symbol	Au	Ag	Al	As	B	Ba	Bi	Ca	Cd	Co	Cr	Cs	Cu	Er	Eu	Dy	Fe	Ga	K	La	Lu	Mg	Mn
Unit Symbol	ppb	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	%	ppm	ppm	%	ppm
Lower Limit	0.2	0.002	0.01	0.1	1	0.5	0.02	0.01	0.01	0.1	1	0.02	0.2	0.1	0.1	0.1	0.01	0.02	0.01	0.5	0.1	0.01	1
Method Code	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS
OREAS 922 (Aqua Regia) Meas		0.887	2.69	7.2		82.0	10.9	0.35	0.27	18.3	39	1.99	2140				5.01	7.94	0.38	33.2		1.23	737
OREAS 922 (Aqua Regia) Cert		0.851	2.72	6.12		70	10.3	0.324	0.28	19.4	40.7	1.76	2176				5.05	7.62	0.376	32.5		1.33	730
OREAS 45f (4-Acid) Meas																							
OREAS 45f (4-Acid) Cert																							
OREAS 263 (Aqua Regia) Meas	109	0.292	1.78	29.8		188	0.57	0.92	0.26	30.3	50		84.2	1.3	0.9	2.8	3.67	5.25	0.33			0.57	491
OREAS 263 (Aqua Regia) Cert	166	0.285	1.29	30.8		175	0.570	1.03	0.270	31.0	48.0		87.0	1.29	0.850	2.64	3.68	4.92	0.288			0.593	490
Oreas 620 (Aqua Regia) Meas																							
Oreas 620 (Aqua Regia) Cert																							
144801 Orig	0.7	0.145	0.37	0.8	3	45.1	0.03	0.27	0.27	0.8	4	0.26	6.4	0.3	0.2	0.5	0.20	1.22	0.02	7.9	< 0.1	0.03	18
144801 Dup	0.7	0.133	0.36	1.0	3	43.1	0.03	0.26	0.24	0.8	4	0.26	6.3	0.3	0.2	0.5	0.20	1.35	0.02	7.7	< 0.1	0.03	17
Method Blank	0.5	< 0.002	< 0.01	< 0.1	< 1	6.3	< 0.02	< 0.01	< 0.01	< 0.1	< 1	< 0.02	< 0.2	< 0.1	< 0.1	< 0.1	< 0.01	< 0.02	< 0.01	< 0.5	< 0.1	< 0.01	< 1

Analyte Symbol	Mo	Na	Ni	P	Pb	S	Sb	Sc	Se	Sr	Te	Th	Ti	Tl	Tm	U	W	V	Zn	Be	Ce	Ge	Hf
Unit Symbol	ppm	%	ppm	%	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Lower Limit	0.01	0.001	0.1	0.001	0.1	0.001	0.02	0.1	0.1	0.5	0.02	0.1	0.001	0.02	0.1	0.1	0.1	1	0.1	0.1	0.01	0.1	0.1
Method Code	AR-MS	AR-MS	AR-MS	AR-ICP	AR-MS	AR-ICP	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-ICP	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS
OREAS 922 (Aqua Regia) Meas	0.72	0.023	33.4	0.063	60.9	0.370	0.61	3.3	5.9	14.9		14.6		0.15		2.1	1.2	29	237	0.7	73.2	0.2	0.6
OREAS 922 (Aqua Regia) Cert	0.69	0.021	34.3	0.063	60	0.386	0.57	3.15	3.44	15.0		14.5		0.14		1.98	1.12	29.4	256	0.65	63	0.10	0.61
OREAS 45f (4-Acid) Meas				0.021		0.023							0.145										
OREAS 45f (4-Acid) Cert				0.0300		0.0290							1.08										
OREAS 263 (Aqua Regia) Meas	0.62	0.074	71.5	0.044	35.6	0.125	7.93	3.5		17.6	0.12	11.0		0.50		1.3		24	119	1.2			
OREAS 263 (Aqua Regia) Cert	0.570	0.0790	72.0	0.0410	34.0	0.126	7.37	3.52		16.9	0.210	10.6		0.530		1.28		22.8	127	1.22			
Oreas 620 (Aqua Regia) Meas				0.033		2.623																	
Oreas 620 (Aqua Regia) Cert				0.031		2.470																	
144801 Orig	1.45	0.023	6.2	0.038	5.1	0.236	0.06	0.3	1.6	18.3	< 0.02	< 0.1	0.019	0.03	< 0.1	0.9	0.5	6	14.7	0.1	14.0	< 0.1	< 0.1
144801 Dup	1.45	0.022	6.2	0.037	4.7	0.233	0.06	0.3	0.9	18.0	< 0.02	< 0.1	0.019	< 0.02	< 0.1	0.9	0.5	6	14.1	0.1	13.8	< 0.1	< 0.1
Method Blank	0.07	0.009	< 0.1	< 0.001	< 0.1	< 0.001	< 0.02	< 0.1	0.2	< 0.5	< 0.02	< 0.1	< 0.001	< 0.02	< 0.1	< 0.1	< 0.1	< 1	< 0.1	< 0.1	< 0.01	< 0.1	< 0.1

Analyte Symbol	In	Li	Nb	Nd	Rb	Re	Sn	Sm	Ta	Tb	Y	Yb	Zr	Pt	Pr	Pd	Hg	Ho
Unit Symbol	ppm	ppm	ppm	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppb	ppm	ppb	ppb	ppm
Lower Limit	0.02	0.1	0.02	0.02	0.1	0.2	0.05	0.1	0.05	0.1	0.01	0.1	0.1	2	0.1	10	10	0.1
Method Code	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS
OREAS 922 (AQUA REGIA) Meas	0.23	20.6	0.40	28.2	23.5		4.93	5.1		0.7	18.1		23.4		8.1			
OREAS 922 (AQUA REGIA) Cert	0.24	22.8	0.35	27.5	22.7		3.83	4.98		0.62	16.0		22.3		7.33			
OREAS 45f (4-Acid) Meas																		
OREAS 45f (4-Acid) Cert																		
OREAS 263 (Aqua Regia) Meas	0.03	18.5						4.8		0.5	11.7	1.1					180	0.5
OREAS 263 (Aqua Regia) Cert	0.0290	20.1						4.41		0.500	12.0	0.990					170	0.430
Oreas 620 (Aqua Regia) Meas																		
Oreas 620 (Aqua Regia) Cert																		
144801 Orig	< 0.02	0.8	0.44	5.64	1.5	0.4	0.18	0.9	< 0.05	0.1	2.70	0.2	0.8	< 2	1.7	< 10	70	0.1
144801 Dup	< 0.02	0.7	0.40	5.56	1.5	0.7	0.20	0.9	< 0.05	0.1	2.48	0.2	0.3	< 2	1.6	< 10	50	< 0.1
Method Blank	< 0.02	< 0.1	< 0.02	< 0.02	< 0.1	< 0.2	< 0.05	< 0.1	< 0.05	< 0.1	< 0.01	< 0.1	< 0.1	2	< 0.1	< 10	10	< 0.1