



Ministere des Ressources naturelles et de la Faune
400 boul Lamaque bureau 1.02
Val-d'Or PQ 261
Canada

Report No.: A23-13749-ReAssay
Report Date: 24-Jan-24
Date Submitted: 26-Sep-23
Your Reference: GOCHIGAMI NO:6

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

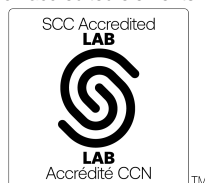
REPORT A23-13749-ReAssay

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.

Report: A23-13749

Analyte Symbol	Mo	Zn	Au	Ag	Al	As	B	Ba	Bi	Ca	Cd	Co	Cr	Cs	Cu	Er	Eu	Dy	Fe	Ga	K	La	Lu
Unit Symbol	ppm	ppm	ppb	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	%	ppm	ppm
Lower Limit	0.01	0.1	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
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
144643	31.3	91.7																					
144644	3.50	50.4																					
144645	2.52	27.5																					
144646	4.35	39.0																					
144647	4.36	57.3																					
144648	1.39	20.3																					
144649	1.95	23.7																					
144650	0.62	2.1																					
144798	0.84	12.0	0.6	0.061	0.35	0.9	1	27.0	0.05	0.17	0.16	1.0	8	0.27	3.3	0.4	0.2	0.8	0.28	1.64	0.02	9.1	< 0.1
144799	1.40	54.6	0.7	0.162	0.40	1.7	5	39.6	0.18	0.26	0.48	0.6	4	0.31	57.8	0.2	0.1	0.4	0.25	1.57	0.04	6.0	< 0.1

Results

Activation Laboratories Ltd.

Report: A23-13749

Analyte Symbol	Mg	Mn	Na	Ni	P	Pb	S	Sb	Sc	Se	Sr	Te	Th	Ti	Tl	Tm	U	W	V	Be	Ce	Ge	Hf
Unit Symbol	%	ppm	%	ppm	%	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Lower Limit	0.01	1	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	0.01	0.1	0.1
Method Code	AR-MS	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
144643																							
144644																							
144645																							
144646																							
144647																							
144648																							
144649																							
144650																							
144798	0.07	42	0.020	3.4	0.040	5.7	0.069	0.04	0.5	1.1	12.6	< 0.02	0.2	0.050	0.03	< 0.1	1.4	0.2	9	< 0.1	18.9	< 0.1	< 0.1
144799	0.03	24	0.053	6.0	0.039	24.8	0.234	0.25	0.4	0.7	17.1	< 0.02	0.1	0.016	0.04	< 0.1	0.7	0.4	6	0.1	10.6	< 0.1	< 0.1

Results

Activation Laboratories Ltd.

Report: A23-13749

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
144643																		
144644																		
144645																		
144646																		
144647																		
144648																		
144649																		
144650																		
144798	< 0.02	2.0	0.83	8.34	1.7	1.2	0.31	1.4	< 0.05	0.1	3.49	0.4	5.0	< 2	2.4	< 10	50	0.1
144799	0.02	1.1	0.37	4.21	2.3	0.7	1.75	0.7	< 0.05	< 0.1	2.14	0.2	0.9	< 2	1.3	< 10	80	< 0.1

Analyte Symbol	Mo	Zn	Au	Ag	Al	As	B	Ba	Bi	Ca	Cd	Co	Cr	Cs	Cu	Er	Eu	Dy	Fe	Ga	K	La	Lu
Unit Symbol	ppm	ppm	ppb	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	%	ppm	ppm
Lower Limit	0.01	0.1	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
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
CLV-1 Meas							11																
CLV-1 Cert							11																
CLV-2 Meas							39																
CLV-2 Cert							43																
CDV-1 Meas			1.7				17																
CDV-1 Cert			2.3				12																
OREAS 922 (AQUA REGIA) Meas	0.80	241		0.987	2.81	7.1		80.1	11.4	0.37	0.26	18.6	42	2.12	2230				5.11	7.49	0.39	31.9	
OREAS 922 (AQUA REGIA) Cert	0.69	256		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	
OREAS 922 (AQUA REGIA) Meas	0.72	237		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	
OREAS 922 (AQUA REGIA) Cert	0.69	256		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	
OREAS 922 (AQUA REGIA) Meas	0.75	250																					
OREAS 922 (AQUA REGIA) Cert	0.69	256																					
OREAS 907 (Aqua Regia) Meas	5.39	144																					
OREAS 907 (Aqua Regia) Cert	5.64	139																					
OREAS 263 (Aqua Regia) Meas	0.46	121	70.2	0.292	1.85	28.3		187	0.56	0.97	0.29	30.7	52		84.9	1.3	0.9	2.7	3.64	5.21	0.33		
OREAS 263 (Aqua Regia) Cert	0.570	127	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		
OREAS 263 (Aqua Regia) Meas	0.62	119	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		
OREAS 263 (Aqua Regia) Cert	0.570	127	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		
OREAS 130 (Aqua Regia) Meas	8.56	> 5000																					
OREAS 130 (Aqua Regia) Cert	8.25	16900																					
Oreas 620 (Aqua Regia) Meas																							
Oreas 620 (Aqua Regia) Cert																							
144646 Orig	4.42	39.7																					
144646 Dup	4.29	38.4																					
144798 Orig	0.85	12.5	0.6	0.066	0.36	0.8	1	29.2	0.05	0.18	0.17	1.0	8	0.28	3.4	0.4	0.2	0.8	0.29	1.74	0.02	9.5	< 0.1
144798 Dup	0.83	11.4	0.6	0.057	0.33	1.0	1	24.7	0.05	0.17	0.15	0.9	7	0.26	3.2	0.4	0.2	0.8	0.27	1.55	0.02	8.8	< 0.1
Method Blank	0.09	< 0.1																					
Method Blank	0.07	< 0.1	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
Method Blank			< 0.2				< 1																
Method Blank			< 0.2				< 1																
Method Blank			< 0.2				< 1																

Analyte Symbol	Mg	Mn	Na	Ni	P	Pb	S	Sb	Sc	Se	Sr	Te	Th	Ti	Tl	Tm	U	W	V	Be	Ce	Ge	Hf
Unit Symbol	%	ppm	%	ppm	%	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Lower Limit	0.01	1	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	0.01	0.1	0.1
Method Code	AR-MS	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
CLV-1 Meas																							
CLV-1 Cert																							
CLV-2 Meas																							
CLV-2 Cert																							
CDV-1 Meas																							
CDV-1 Cert																							
OREAS 922 (AQUA REGIA) Meas	1.25	749	0.023	33.5	0.063	60.1	0.370	0.54	3.3	6.0	15.6		15.0		0.16		2.1	1.1	30	0.7	67.2	0.2	< 0.1
OREAS 922 (AQUA REGIA) Cert	1.33	730	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	0.65	63	0.10	0.61
OREAS 922 (AQUA REGIA) Meas	1.23	737	0.023	33.4		60.9		0.61	3.3	5.9	14.9		14.6		0.15		2.1	1.2	29	0.7	73.2	0.2	0.6
OREAS 922 (AQUA REGIA) Cert	1.33	730	0.021	34.3		60		0.57	3.15	3.44	15.0		14.5		0.14		1.98	1.12	29.4	0.65	63	0.10	0.61
OREAS 922 (AQUA REGIA) Meas																							
OREAS 922 (AQUA REGIA) Cert																							
OREAS 907 (Aqua Regia) Meas																							
OREAS 907 (Aqua Regia) Cert																							
OREAS 263 (Aqua Regia) Meas	0.57	487	0.075	69.8	0.044	34.2	0.125	1.39	3.8		17.6	0.45	11.1		0.50		1.3		25	1.2			
OREAS 263 (Aqua Regia) Cert	0.593	490	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	1.22			
OREAS 263 (Aqua Regia) Meas	0.57	491	0.074	71.5		35.6		7.93	3.5		17.6	0.12	11.0		0.50		1.3		24	1.2			
OREAS 263 (Aqua Regia) Cert	0.593	490	0.0790	72.0		34.0		7.37	3.52		16.9	0.210	10.6		0.530		1.28		22.8	1.22			
OREAS 130 (Aqua Regia) Meas																							
OREAS 130 (Aqua Regia) Cert																							
Oreas 620 (Aqua Regia) Meas					0.033		2.623																
Oreas 620 (Aqua Regia) Cert					0.031		2.470																
144646 Orig																							
144646 Dup																							
144798 Orig	0.07	43	0.021	3.5	0.041	5.8	0.071	0.04	0.5	0.8	13.0	< 0.02	0.2	0.052	0.03	< 0.1	1.4	0.2	9	0.1	19.7	< 0.1	0.1
144798 Dup	0.07	41	0.019	3.3	0.039	5.5	0.068	0.04	0.6	1.4	12.1	< 0.02	0.2	0.049	0.03	< 0.1	1.3	0.2	8	< 0.1	18.1	< 0.1	< 0.1
Method Blank																							
Method Blank	< 0.01	< 1	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	< 0.01	< 0.1	< 0.1
Method Blank																							
Method Blank																							
Method Blank																							

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
CLV-1 Meas																		
CLV-1 Cert																		
CLV-2 Meas						22.8												
CLV-2 Cert						23.0												
CDV-1 Meas																	40	
CDV-1 Cert																	41	
OREAS 922 (AQUA REGIA) Meas	0.26	20.2	0.35	28.5	22.7		4.44	5.3		0.6	18.2		4.9		8.4			
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 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 922 (AQUA REGIA) Meas																		
OREAS 922 (AQUA REGIA) Cert																		
OREAS 907 (Aqua Regia) Meas																		
OREAS 907 (Aqua Regia) Cert																		
OREAS 263 (Aqua Regia) Meas	0.03	17.7						4.9		0.5	11.6	1.0					190	0.5
OREAS 263 (Aqua Regia) Cert	0.0290	20.1						4.41		0.500	12.0	0.990					170	0.430
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 130 (Aqua Regia) Meas																		
OREAS 130 (Aqua Regia) Cert																		
Oreas 620 (Aqua Regia) Meas																		
Oreas 620 (Aqua Regia) Cert																		
144646 Orig																		
144646 Dup																		
144798 Orig	< 0.02	2.0	0.86	8.61	1.6	1.9	0.32	1.5	< 0.05	0.2	3.64	0.4	7.0	< 2	2.5	< 10	50	0.2
144798 Dup	< 0.02	1.9	0.80	8.07	1.7	0.5	0.30	1.3	< 0.05	0.1	3.35	0.4	3.0	< 2	2.3	< 10	50	0.1
Method Blank																		
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
Method Blank						< 0.2								< 2		< 10	< 10	
Method Blank						< 0.2								< 2		< 10	< 10	
Method Blank						< 0.2								< 2		< 10	< 10	