

# Follow Up Report: #21-251

## June 3, 2021 – MEL-SR14 Surface Water Runoff



The following information refers to an incident reported by Agnico Eagle Mines Ltd. on June 3, 2021, and is being provided in accordance with:

- the Nunavut Water Board License 2AM-MEL1631 Water License, Part H, item 8c
- the Government of Nunavut's, Environmental Protection Act subsection 5.1(a)

### Description of Incident:

While conducting a routine inspection on June 3<sup>rd</sup>, 2021, surface runoff water was observed at sampling station MEL-SR14 located on the southwest side of the Bypass Road. Samples were collected for laboratory analysis to assess the Total Suspended Solids (TSS) concentration and other water quality parameters. Laboratory results were received on June 17<sup>th</sup> and a concentration of 120 mg/L TSS was measured. This exceeded the criteria of 100 mg/L TSS, as per the obligations under the Nunavut Water Board License 2AM-MEL1631, Part D, item 18.

The sampling location is referred to as MEL-SR14 (62° 48' 11" N, 92° 6' 24" W) and is shown in Figure 1. Given the low flow of the runoff and the closest water body being 125 m away, the runoff did not reach any water body.



**Figure 1:** Sample location MEL-SR14, southwest of the Bypass Road

### Exceedance probable root cause

Sampling station MEL-SR14 is located at the downstream exit of a culvert on the Bypass Road which allows the runoff coming from the north-east side of the road to flow to the south-west side.

The Environment Technician who carried out the sampling on June 3, 2021 made the following observations:

- The water flowing at MEL-SR14 did not appear turbid, it was very clear;
- Very little TSS was observed in the water (sand or clay particles);
- The flow at the MEL-SR14 sampling station was minimal at the time of sampling, so the sample had to be collected with the sampling bottles very close to the ground (tundra), downstream of the culvert.

Hence, it is possible the sampling method caused TSS entrainment in the sample, by collecting particles from the ground in the sampling bottles.

MEL-SR14 is being closely monitored during routine inspections to make sure to minimize TSS reaching Melvin Bay. It was sampled again on June 8 and June 17, 2021. Results showed TSS concentrations of 78 mg/L and 2 mg/L, respectively. Certificate of analysis for the June 3, June 8 and June 17 sampling events are attached in appendix.

### Corrective Measures

As previously mentioned, MEL-SR14 and other MEL-SR stations are being closely monitored for TSS and mitigations measures are put in place as needed (such as straw logs installations).

The sampling procedure for MEL-SR stations and related Management Plans were also reviewed by the Environment Team to make sure sampling collection procedures were well understood and are carried out adequately. The Environment Team is currently evaluating how the sampling procedure could be adapted to sample low flow runoff to prevent TSS entrainment from the tundra in the sampling bottles.



**Sean Arruda** | Environment Coordinator

sean.arruda@agnicoeagle.com | Direct 819.759.3555 x4603996 |

Agnico Eagle Mines Limited - Meliadine Mine, Suite 879 - Rankin Inlet, Nunavut,  
Canada X0C 0G0

[agnicoeagle.com](http://agnicoeagle.com)



Sent from Meliadine

## Appendix A – Certificates of Analysis



Your P.O. #: OL-1006009  
Site Location: MELIADINE  
Your C.O.C. #: n/a

**Attention: Reporting**

Agnico-Eagle  
Meliadine  
Meliadine Mine  
Rankin Inlet, NU  
CANADA X0C 0G0

**Report Date: 2021/06/17**  
Report #: R6680101  
Version: 1 - Final

**CERTIFICATE OF ANALYSIS**

**BV LABS JOB #: C1F9128**

**Received: 2021/06/09, 09:30**

Sample Matrix: Water  
# Samples Received: 1

<b>Analyses</b>	<b>Quantity</b>	<b>Date Extracted</b>	<b>Date Analyzed</b>	<b>Laboratory Method</b>	<b>Analytical Method</b>
Alkalinity	1	N/A	2021/06/14	CAM SOP-00448	SM 23 2320 B m
Chloride by Automated Colourimetry	1	N/A	2021/06/14	CAM SOP-00463	SM 23 4500-Cl E m
Total Cyanide	1	2021/06/11	2021/06/11	CAM SOP-00457	OMOE E3015 5 m
Fluoride	1	2021/06/12	2021/06/14	CAM SOP-00449	SM 23 4500-F C m
Mercury (low level)	1	2021/06/11	2021/06/11	CAM SOP-00453	EPA 7470 m
Hardness Total (calculated as CaCO <sub>3</sub> ) (1, 2)	1	N/A	2021/06/16	BBY WI-00033	Auto Calc
Na, K, Ca, Mg, S by CRC ICPMS (total) (1)	1	2021/06/10	2021/06/16	BBY7SOP-00002	EPA 6020B R2 m
Elements by CRC ICPMS (total) (1)	1	2021/06/15	2021/06/16	BBY7SOP-00003/ BBY7SOPEPA 6020B R2m -00002	
Total Ammonia-N	1	N/A	2021/06/14	CAM SOP-00441	USGS I-2522-90 m
Nitrate (NO <sub>3</sub> ) and Nitrite (NO <sub>2</sub> ) in Water (3)	1	N/A	2021/06/14	CAM SOP-00440	SM 23 4500-NO3I/NO2B
Total Oil and Grease	1	2021/06/13	2021/06/13	CAM SOP-00326	EPA1664B m,SM5520B m
pH	1	2021/06/12	2021/06/14	CAM SOP-00413	SM 4500H+ B m
Orthophosphate	1	N/A	2021/06/14	CAM SOP-00461	EPA 365.1 m
Sulphate by Automated Colourimetry	1	N/A	2021/06/14	CAM SOP-00464	EPA 375.4 m
Total Dissolved Solids	1	2021/06/12	2021/06/14	CAM SOP-00428	SM 23 2540C m
Total Phosphorus (Colourimetric)	1	2021/06/11	2021/06/11	CAM SOP-00407	SM 23 4500 P B H m
Low Level Total Suspended Solids	1	2021/06/12	2021/06/14	CAM SOP-00428	SM 23 2540D m
Turbidity	1	N/A	2021/06/11	CAM SOP-00417	SM 23 2130 B m

**Remarks:**

Bureau Veritas is accredited to ISO/IEC 17025 for specific parameters on scopes of accreditation. Unless otherwise noted, procedures used by Bureau Veritas are based upon recognized Provincial, Federal or US method compendia such as CCME, MELCC, EPA, APHA.

All work recorded herein has been done in accordance with procedures and practices ordinarily exercised by professionals in Bureau Veritas' profession using accepted testing methodologies, quality assurance and quality control procedures (except where otherwise agreed by the client and Bureau Veritas in writing). All data is in statistical control and has met quality control and method performance criteria unless otherwise noted. All method blanks are reported; unless indicated otherwise, associated sample data are not blank corrected. Where applicable, unless otherwise noted, Measurement Uncertainty has not been accounted for when stating conformity to the referenced standard.

Bureau Veritas liability is limited to the actual cost of the requested analyses, unless otherwise agreed in writing. There is no other warranty expressed or



Your P.O. #: OL-1006009  
Site Location: MELIADINE  
Your C.O.C. #: n/a

**Attention: Reporting**

Agnico-Eagle  
Meliadine  
Meliadine Mine  
Rankin Inlet, NU  
CANADA X0C 0G0

**Report Date: 2021/06/17**  
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**BV LABS JOB #: C1F9128**

**Received: 2021/06/09, 09:30**

implied. Bureau Veritas has been retained to provide analysis of samples provided by the Client using the testing methodology referenced in this report. Interpretation and use of test results are the sole responsibility of the Client and are not within the scope of services provided by Bureau Veritas, unless otherwise agreed in writing. Bureau Veritas is not responsible for the accuracy or any data impacts, that result from the information provided by the customer or their agent.

Solid sample results, except biota, are based on dry weight unless otherwise indicated. Organic analyses are not recovery corrected except for isotope dilution methods.

Results relate to samples tested. When sampling is not conducted by Bureau Veritas, results relate to the supplied samples tested.

This Certificate shall not be reproduced except in full, without the written approval of the laboratory.

Reference Method suffix "m" indicates test methods incorporate validated modifications from specific reference methods to improve performance.

\* RPDs calculated using raw data. The rounding of final results may result in the apparent difference.

(1) This test was performed by Bureau Veritas Burnaby via Mississauga

(2) "Total Hardness" was calculated from Total Ca and Mg concentrations and may be biased high (Hardness, or Dissolved Hardness, calculated from Dissolved Ca and Mg, should be used for compliance if available).

(3) Values for calculated parameters may not appear to add up due to rounding of raw data and significant figures.

Encryption Key

Katherine Szozda  
Project Manager  
17 Jun 2021 11:03:09

Please direct all questions regarding this Certificate of Analysis to your Project Manager.

Katherine Szozda, Project Manager

Email: Katherine.Szozda@bureauveritas.com

Phone# (613)274-0573 Ext:7063633

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BV Labs has procedures in place to guard against improper use of the electronic signature and have the required "signatories", as per ISO/IEC 17025, signing the reports. For Service Group specific validation please refer to the Validation Signature Page.



BUREAU  
VERITAS

BV Labs Job #: C1F9128  
Report Date: 2021/06/17

Agnico-Eagle  
Site Location: MELIADINE  
Your P.O. #: OL-1006009  
Sampler Initials: MG

<b>BV Labs ID</b>		PUM673		
<b>Sampling Date</b>		2021/06/03 16:00		
<b>COC Number</b>		n/a		
	<b>UNITS</b>	<b>MEL-SR-14</b>	<b>RDL</b>	<b>QC Batch</b>
<b>Metals</b>				
Total Aluminum (Al)	mg/L	2.37	0.0030	7412363
Total Antimony (Sb)	mg/L	<0.00050	0.00050	7412363
Total Arsenic (As)	mg/L	0.00202	0.00010	7412363
Total Barium (Ba)	mg/L	0.0409	0.0010	7412363
Total Beryllium (Be)	mg/L	<0.00010	0.00010	7412363
Total Bismuth (Bi)	mg/L	<0.0010	0.0010	7412363
Total Boron (B)	mg/L	<0.050	0.050	7412363
Total Cadmium (Cd)	mg/L	0.000018	0.000010	7412363
Total Chromium (Cr)	mg/L	0.0098	0.0010	7412363
Total Cobalt (Co)	mg/L	0.00192	0.00020	7412363
Total Copper (Cu)	mg/L	0.00889	0.00050	7412363
Total Iron (Fe)	mg/L	3.55	0.010	7412363
Total Lead (Pb)	mg/L	0.00111	0.00020	7412363
Total Lithium (Li)	mg/L	0.0055	0.0020	7412363
Total Manganese (Mn)	mg/L	0.0536	0.0010	7412363
Total Molybdenum (Mo)	mg/L	<0.0010	0.0010	7412363
Total Nickel (Ni)	mg/L	0.0061	0.0010	7412363
Total Selenium (Se)	mg/L	<0.00010	0.00010	7412363
Total Silicon (Si)	mg/L	4.07	0.10	7412363
Total Silver (Ag)	mg/L	<0.000020	0.000020	7412363
Total Strontium (Sr)	mg/L	0.0335	0.0010	7412363
Total Thallium (Tl)	mg/L	0.000047	0.000010	7412363
Total Tin (Sn)	mg/L	<0.0050	0.0050	7412363
Total Titanium (Ti)	mg/L	0.180	0.0050	7412363
Total Uranium (U)	mg/L	0.00020	0.00010	7412363
Total Vanadium (V)	mg/L	0.0073	0.0050	7412363
Total Zinc (Zn)	mg/L	0.0860	0.0050	7412363
Total Zirconium (Zr)	mg/L	0.00042	0.00010	7412363
Total Calcium (Ca)	mg/L	7.01	0.050	7412362
Total Magnesium (Mg)	mg/L	3.15	0.050	7412362
Total Potassium (K)	mg/L	2.66	0.050	7412362
RDL = Reportable Detection Limit				
QC Batch = Quality Control Batch				



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BV Labs Job #: C1F9128  
Report Date: 2021/06/17

Agnico-Eagle  
Site Location: MELIADINE  
Your P.O. #: OL-1006009  
Sampler Initials: MG

**TOTAL ICPMS METALS FOR CCME CEQG FOR SW (WATER)**

<b>BV Labs ID</b>		PUM673		
<b>Sampling Date</b>		2021/06/03 16:00		
<b>COC Number</b>		n/a		
	<b>UNITS</b>	<b>MEL-SR-14</b>	<b>RDL</b>	<b>QC Batch</b>
Total Sodium (Na)	mg/L	8.60	0.050	7412362
Total Sulphur (S)	mg/L	<3.0	3.0	7412362
<b>Calculated Parameters</b>				
Total Hardness (CaCO <sub>3</sub> )	mg/L	30.5	0.50	7412361
RDL = Reportable Detection Limit				
QC Batch = Quality Control Batch				



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BV Labs Job #: C1F9128  
Report Date: 2021/06/17

Agnico-Eagle  
Site Location: MELIADINE  
Your P.O. #: OL-1006009  
Sampler Initials: MG

### RESULTS OF ANALYSES OF WATER

BV Labs ID		PUM673			PUM673		
Sampling Date		2021/06/03 16:00			2021/06/03 16:00		
COC Number		n/a			n/a		
	UNITS	MEL-SR-14	RDL	QC Batch	MEL-SR-14 Lab-Dup	RDL	QC Batch
<b>Inorganics</b>							
Total Ammonia-N	mg/L	<0.050	0.050	7402713			
Total Dissolved Solids	mg/L	90	10	7404818			
Fluoride (F-)	mg/L	<0.10	0.10	7404770	<0.10	0.10	7404770
Orthophosphate (P)	mg/L	<0.010	0.010	7404785			
pH	pH	7.25		7404774	7.30		7404774
Total Phosphorus	mg/L	0.15	0.020	7402660			
Total Suspended Solids	mg/L	120	1	7404824			
Dissolved Sulphate (SO <sub>4</sub> )	mg/L	<1.0	1.0	7404789			
Total Cyanide (CN)	mg/L	<0.0050	0.0050	7403175			
Turbidity	NTU	14	0.1	7403352			
Alkalinity (Total as CaCO <sub>3</sub> )	mg/L	28	1.0	7404771	28	1.0	7404771
Dissolved Chloride (Cl <sup>-</sup> )	mg/L	9.8	1.0	7404787			
Nitrite (N)	mg/L	<0.010	0.010	7402978			
Nitrate (N)	mg/L	<0.10	0.10	7402978			
Nitrate + Nitrite (N)	mg/L	<0.10	0.10	7402978			
<b>Petroleum Hydrocarbons</b>							
Total Oil & Grease	mg/L	<0.50	0.50	7405244			
RDL = Reportable Detection Limit QC Batch = Quality Control Batch Lab-Dup = Laboratory Initiated Duplicate							



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BV Labs Job #: C1F9128  
Report Date: 2021/06/17

Agnico-Eagle  
Site Location: MELIADINE  
Your P.O. #: OL-1006009  
Sampler Initials: MG

### ELEMENTS BY ATOMIC SPECTROSCOPY (WATER)

<b>BV Labs ID</b>		PUM673		
<b>Sampling Date</b>		2021/06/03 16:00		
<b>COC Number</b>		n/a		
	<b>UNITS</b>	<b>MEL-SR-14</b>	<b>RDL</b>	<b>QC Batch</b>
<b>Metals</b>				
Mercury (Hg)	mg/L	<0.00001	0.00001	7403210
RDL = Reportable Detection Limit				
QC Batch = Quality Control Batch				



BV Labs Job #: C1F9128  
Report Date: 2021/06/17

Agnico-Eagle  
Site Location: MELIADINE  
Your P.O. #: OL-1006009  
Sampler Initials: MG

## TEST SUMMARY

**BV Labs ID:** PUM673  
**Sample ID:** MEL-SR-14  
**Matrix:** Water

**Collected:** 2021/06/03  
**Shipped:**  
**Received:** 2021/06/09

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
Alkalinity	AT	7404771	N/A	2021/06/14	Surinder Rai
Chloride by Automated Colourimetry	KONE	7404787	N/A	2021/06/14	Avneet Kour Sudan
Total Cyanide	SKAL/CN	7403175	2021/06/11	2021/06/11	Aditiben Patel
Fluoride	ISE	7404770	2021/06/12	2021/06/14	Surinder Rai
Mercury (low level)	CV/AA	7403210	2021/06/11	2021/06/11	Gagandeep Rai
Hardness Total (calculated as CaCO <sub>3</sub> )	CALC	7412361	N/A	2021/06/16	Automated Statchk
Na, K, Ca, Mg, S by CRC ICPMS (total)	ICP	7412362	2021/06/16	2021/06/16	Automated Statchk
Elements by CRC ICPMS (total)	ICP/MS	7412363	2021/06/15	2021/06/16	Jeffrey Laporte
Total Ammonia-N	LACH/NH <sub>4</sub>	7402713	N/A	2021/06/14	Amanpreet Sappal
Nitrate (NO <sub>3</sub> ) and Nitrite (NO <sub>2</sub> ) in Water	LACH	7402978	N/A	2021/06/14	Chandra Nandlal
Total Oil and Grease	BAL	7405244	2021/06/13	2021/06/13	Karamjeet Randhawa
pH	AT	7404774	2021/06/12	2021/06/14	Surinder Rai
Orthophosphate	KONE	7404785	N/A	2021/06/14	Avneet Kour Sudan
Sulphate by Automated Colourimetry	KONE	7404789	N/A	2021/06/14	Avneet Kour Sudan
Total Dissolved Solids	BAL	7404818	2021/06/12	2021/06/14	Shivani Desai
Total Phosphorus (Colourimetric)	LACH/P	7402660	2021/06/11	2021/06/11	Shivani Shivani
Low Level Total Suspended Solids	BAL	7404824	2021/06/12	2021/06/14	Sandeep Kaur
Turbidity	AT	7403352	N/A	2021/06/11	Khushbu Vijay kumar Patel

**BV Labs ID:** PUM673 Dup  
**Sample ID:** MEL-SR-14  
**Matrix:** Water

**Collected:** 2021/06/03  
**Shipped:**  
**Received:** 2021/06/09

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
Alkalinity	AT	7404771	N/A	2021/06/14	Surinder Rai
Fluoride	ISE	7404770	2021/06/12	2021/06/14	Surinder Rai
pH	AT	7404774	2021/06/12	2021/06/14	Surinder Rai



### GENERAL COMMENTS

Each temperature is the average of up to three cooler temperatures taken at receipt

Package 1	20.0°C
Package 2	19.0°C
Package 3	17.0°C
Package 4	18.3°C
Package 5	19.3°C
Package 6	18.0°C
Package 7	19.0°C
Package 8	19.7°C
Package 9	19.0°C

**Results relate only to the items tested.**



BUREAU  
VERITAS

BV Labs Job #: C1F9128  
Report Date: 2021/06/17

## QUALITY ASSURANCE REPORT

Agnico-Eagle  
Site Location: MELIADINE  
Your P.O. #: OL-1006009  
Sampler Initials: MG

QC Batch	Parameter	Date	Matrix Spike		SPIKED BLANK		Method Blank		RPD		QC Standard	
			% Recovery	QC Limits	% Recovery	QC Limits	Value	UNITS	Value (%)	QC Limits	% Recovery	QC Limits
7402660	Total Phosphorus	2021/06/11	95	80 - 120	97	80 - 120	<0.020	mg/L	7.0	20	96	80 - 120
7402713	Total Ammonia-N	2021/06/14	98	75 - 125	101	80 - 120	<0.050	mg/L	NC	20		
7402978	Nitrate (N)	2021/06/14	98	80 - 120	100	80 - 120	<0.10	mg/L	NC	20		
7402978	Nitrite (N)	2021/06/14	106	80 - 120	107	80 - 120	<0.010	mg/L	NC	20		
7403175	Total Cyanide (CN)	2021/06/11	98	80 - 120	99	80 - 120	<0.0050	mg/L	NC	20		
7403210	Mercury (Hg)	2021/06/11	98	75 - 125	98	80 - 120	<0.00001	mg/L	NC	20		
7403352	Turbidity	2021/06/11			97	85 - 115	<0.1	NTU	NC	20		
7404770	Fluoride (F-)	2021/06/14	98	80 - 120	94	80 - 120	<0.10	mg/L	NC	20		
7404771	Alkalinity (Total as CaCO3)	2021/06/14			93	85 - 115	<1.0	mg/L	0.39	20		
7404774	pH	2021/06/14			101	98 - 103			0.65	N/A		
7404785	Orthophosphate (P)	2021/06/14	107	75 - 125	102	80 - 120	<0.010	mg/L	NC	25		
7404787	Dissolved Chloride (Cl-)	2021/06/14	NC	80 - 120	104	80 - 120	<1.0	mg/L	1.7	20		
7404789	Dissolved Sulphate (SO4)	2021/06/14	NC	75 - 125	100	80 - 120	<1.0	mg/L	0.22	20		
7404818	Total Dissolved Solids	2021/06/14					<10	mg/L	6.6	25	100	90 - 110
7404824	Total Suspended Solids	2021/06/14					<1	mg/L	6.1	25	96	85 - 115
7405244	Total Oil & Grease	2021/06/13			98	85 - 115	<0.50	mg/L	1.8	25		
7412363	Total Aluminum (Al)	2021/06/16	110	80 - 120	105	80 - 120	<0.0030	mg/L				
7412363	Total Antimony (Sb)	2021/06/16	111	80 - 120	105	80 - 120	<0.00050	mg/L				
7412363	Total Arsenic (As)	2021/06/16	104	80 - 120	101	80 - 120	<0.00010	mg/L	1.9	20		
7412363	Total Barium (Ba)	2021/06/16	108	80 - 120	103	80 - 120	<0.0010	mg/L				
7412363	Total Beryllium (Be)	2021/06/16	108	80 - 120	104	80 - 120	<0.00010	mg/L				
7412363	Total Bismuth (Bi)	2021/06/16	101	80 - 120	102	80 - 120	<0.0010	mg/L				
7412363	Total Boron (B)	2021/06/16	103	80 - 120	102	80 - 120	<0.050	mg/L				
7412363	Total Cadmium (Cd)	2021/06/16	107	80 - 120	105	80 - 120	<0.000010	mg/L				
7412363	Total Chromium (Cr)	2021/06/16	106	80 - 120	103	80 - 120	<0.0010	mg/L				
7412363	Total Cobalt (Co)	2021/06/16	102	80 - 120	102	80 - 120	<0.00020	mg/L				
7412363	Total Copper (Cu)	2021/06/16	100	80 - 120	101	80 - 120	<0.00050	mg/L	0.75	20		
7412363	Total Iron (Fe)	2021/06/16	NC	80 - 120	103	80 - 120	<0.010	mg/L				
7412363	Total Lead (Pb)	2021/06/16	106	80 - 120	103	80 - 120	<0.00020	mg/L	1.8	20		
7412363	Total Lithium (Li)	2021/06/16	104	80 - 120	104	80 - 120	<0.0020	mg/L				
7412363	Total Manganese (Mn)	2021/06/16	NC	80 - 120	102	80 - 120	<0.0010	mg/L				

BUREAU  
VERITAS

BV Labs Job #: C1F9128

Report Date: 2021/06/17

## QUALITY ASSURANCE REPORT(CONT'D)

Agnico-Eagle

Site Location: MELIADINE

Your P.O. #: OL-1006009

Sampler Initials: MG

QC Batch	Parameter	Date	Matrix Spike		SPIKED BLANK		Method Blank		RPD		QC Standard	
			% Recovery	QC Limits	% Recovery	QC Limits	Value	UNITS	Value (%)	QC Limits	% Recovery	QC Limits
7412363	Total Molybdenum (Mo)	2021/06/16	113	80 - 120	108	80 - 120	<0.0010	mg/L				
7412363	Total Nickel (Ni)	2021/06/16	101	80 - 120	102	80 - 120	<0.0010	mg/L	0.67	20		
7412363	Total Selenium (Se)	2021/06/16	103	80 - 120	100	80 - 120	<0.00010	mg/L				
7412363	Total Silicon (Si)	2021/06/16	100	80 - 120	103	80 - 120	<0.10	mg/L				
7412363	Total Silver (Ag)	2021/06/16	104	80 - 120	102	80 - 120	<0.000020	mg/L				
7412363	Total Strontium (Sr)	2021/06/16	NC	80 - 120	105	80 - 120	<0.0010	mg/L				
7412363	Total Thallium (Tl)	2021/06/16	104	80 - 120	103	80 - 120	<0.000010	mg/L				
7412363	Total Tin (Sn)	2021/06/16	103	80 - 120	104	80 - 120	<0.0050	mg/L				
7412363	Total Titanium (Ti)	2021/06/16	106	80 - 120	103	80 - 120	<0.0050	mg/L				
7412363	Total Uranium (U)	2021/06/16	107	80 - 120	105	80 - 120	<0.00010	mg/L				
7412363	Total Vanadium (V)	2021/06/16	104	80 - 120	100	80 - 120	<0.0050	mg/L				
7412363	Total Zinc (Zn)	2021/06/16	104	80 - 120	102	80 - 120	<0.0050	mg/L	1.4	20		
7412363	Total Zirconium (Zr)	2021/06/16	111	80 - 120	109	80 - 120	<0.00010	mg/L				

N/A = Not Applicable

Duplicate: Paired analysis of a separate portion of the same sample. Used to evaluate the variance in the measurement.

Matrix Spike: A sample to which a known amount of the analyte of interest has been added. Used to evaluate sample matrix interference.

QC Standard: A sample of known concentration prepared by an external agency under stringent conditions. Used as an independent check of method accuracy.

Spiked Blank: A blank matrix sample to which a known amount of the analyte, usually from a second source, has been added. Used to evaluate method accuracy.

Method Blank: A blank matrix containing all reagents used in the analytical procedure. Used to identify laboratory contamination.

NC (Matrix Spike): The recovery in the matrix spike was not calculated. The relative difference between the concentration in the parent sample and the spike amount was too small to permit a reliable recovery calculation (matrix spike concentration was less than the native sample concentration)

NC (Duplicate RPD): The duplicate RPD was not calculated. The concentration in the sample and/or duplicate was too low to permit a reliable RPD calculation (absolute difference  $\leq 2 \times$  RDL).



BUREAU  
VERITAS

BV Labs Job #: C1F9128

Report Date: 2021/06/17

Agnico-Eagle

Site Location: MELIADINE

Your P.O. #: OL-1006009

Sampler Initials: MG

### VALIDATION SIGNATURE PAGE

The analytical data and all QC contained in this report were reviewed and validated by:

Anastassia Hamanov, Scientific Specialist

David Huang, BBY Scientific Specialist

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BUREAU  
VERITAS

BV Labs Job #: C1F9128  
Report Date: 2021/06/17

Agnico-Eagle  
Site Location: MELIADINE  
Your P.O. #: OL-1006009  
Sampler Initials: MG

**Exceedance Summary Table – Metal Mining Effluent Reg**  
**Result Exceedances**

Sample ID	BV Labs ID	Parameter	Criteria	Result	DL	UNITS
No Exceedances						
The exceedance summary table is for information purposes only and should not be considered a comprehensive listing or statement of conformance to applicable regulatory guidelines.						



Your P.O. #: OL-1006009  
Your C.O.C. #: n/a

**Attention: Reporting**

Agnico-Eagle  
Meliadine  
Meliadine Mine  
Rankin Inlet, NU  
CANADA X0C 0G0

**Report Date: 2021/06/21**

Report #: R6685602

Version: 3 - Revision

**CERTIFICATE OF ANALYSIS – REVISED REPORT**

**BV LABS JOB #: C1G1346**

**Received: 2021/06/11, 09:20**

Sample Matrix: Water  
# Samples Received: 4

Analyses	Quantity	Date Extracted	Date Analyzed	Laboratory Method	Analytical Method
Alkalinity	4	N/A	2021/06/16	CAM SOP-00448	SM 23 2320 B m
Chloride by Automated Colourimetry	4	N/A	2021/06/16	CAM SOP-00463	SM 23 4500-Cl E m
Total Cyanide	4	2021/06/16	2021/06/16	CAM SOP-00457	OMOE E3015 5 m
Fluoride	4	2021/06/16	2021/06/16	CAM SOP-00449	SM 23 4500-F C m
Mercury (low level)	4	2021/06/17	2021/06/17	CAM SOP-00453	EPA 7470 m
Hardness Total (calculated as CaCO <sub>3</sub> ) (1, 2)	4	N/A	2021/06/18	BBY WI-00033	Auto Calc
Na, K, Ca, Mg, S by CRC ICPMS (total) (1)	4	2021/06/15	2021/06/18	BBY7SOP-00002	EPA 6020B R2 m
Elements by CRC ICPMS (total) (1)	4	2021/06/17	2021/06/18	BBY7SOP-00003/ BBY7SOEPA 6020B R2 m -00002	
Total Ammonia-N	1	N/A	2021/06/17	CAM SOP-00441	USGS I-2522-90 m
Total Ammonia-N	3	N/A	2021/06/18	CAM SOP-00441	USGS I-2522-90 m
Nitrate (NO <sub>3</sub> ) and Nitrite (NO <sub>2</sub> ) in Water (3)	3	N/A	2021/06/16	CAM SOP-00440	SM 23 4500-NO3I/NO2B
Nitrate (NO <sub>3</sub> ) and Nitrite (NO <sub>2</sub> ) in Water (3)	1	N/A	2021/06/17	CAM SOP-00440	SM 23 4500-NO3I/NO2B
Total Oil and Grease	4	2021/06/16	2021/06/17	CAM SOP-00326	EPA1664B m, SM5520B m
pH	4	2021/06/16	2021/06/16	CAM SOP-00413	SM 4500H+ B m
Orthophosphate	4	N/A	2021/06/16	CAM SOP-00461	EPA 365.1 m
Sulphate by Automated Colourimetry	4	N/A	2021/06/16	CAM SOP-00464	EPA 375.4 m
Total Dissolved Solids	4	2021/06/15	2021/06/16	CAM SOP-00428	SM 23 2540C m
Total Phosphorus (Colourimetric)	4	2021/06/16	2021/06/17	CAM SOP-00407	SM 23 4500 P B H m
Low Level Total Suspended Solids	4	2021/06/15	2021/06/16	CAM SOP-00428	SM 23 2540D m
Turbidity	4	N/A	2021/06/15	CAM SOP-00417	SM 23 2130 B m

**Remarks:**

Bureau Veritas is accredited to ISO/IEC 17025 for specific parameters on scopes of accreditation. Unless otherwise noted, procedures used by Bureau Veritas are based upon recognized Provincial, Federal or US method compendia such as CCME, MELCC, EPA, APHA.

All work recorded herein has been done in accordance with procedures and practices ordinarily exercised by professionals in Bureau Veritas' profession using accepted testing methodologies, quality assurance and quality control procedures (except where otherwise agreed by the client and Bureau Veritas in writing). All data is in statistical control and has met quality control and method performance criteria unless otherwise noted. All method blanks are reported; unless indicated otherwise, associated sample data are not blank corrected. Where applicable, unless otherwise noted, Measurement Uncertainty has not been accounted for when stating conformity to the referenced standard.



Your P.O. #: OL-1006009  
Your C.O.C. #: n/a

**Attention: Reporting**

Agnico-Eagle  
Meliadine  
Meliadine Mine  
Rankin Inlet, NU  
CANADA X0C 0G0

**Report Date: 2021/06/21**  
Report #: R6685602  
Version: 3 - Revision

**CERTIFICATE OF ANALYSIS – REVISED REPORT**

**BV LABS JOB #: C1G1346**

**Received: 2021/06/11, 09:20**

Bureau Veritas liability is limited to the actual cost of the requested analyses, unless otherwise agreed in writing. There is no other warranty expressed or implied. Bureau Veritas has been retained to provide analysis of samples provided by the Client using the testing methodology referenced in this report. Interpretation and use of test results are the sole responsibility of the Client and are not within the scope of services provided by Bureau Veritas, unless otherwise agreed in writing. Bureau Veritas is not responsible for the accuracy or any data impacts, that result from the information provided by the customer or their agent.

Solid sample results, except biota, are based on dry weight unless otherwise indicated. Organic analyses are not recovery corrected except for isotope dilution methods.

Results relate to samples tested. When sampling is not conducted by Bureau Veritas, results relate to the supplied samples tested.

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Reference Method suffix "m" indicates test methods incorporate validated modifications from specific reference methods to improve performance.

\* RPDs calculated using raw data. The rounding of final results may result in the apparent difference.

(1) This test was performed by Bureau Veritas Burnaby via Mississauga

(2) "Total Hardness" was calculated from Total Ca and Mg concentrations and may be biased high (Hardness, or Dissolved Hardness, calculated from Dissolved Ca and Mg, should be used for compliance if available).

(3) Values for calculated parameters may not appear to add up due to rounding of raw data and significant figures.

Encryption Key

Katherine Szozda  
Project Manager  
21 Jun 2021 14:39:00

Please direct all questions regarding this Certificate of Analysis to your Project Manager.

Katherine Szozda, Project Manager

Email: Katherine.Szozda@bureauveritas.com

Phone# (613)274-0573 Ext:7063633

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BV Labs has procedures in place to guard against improper use of the electronic signature and have the required "signatories", as per ISO/IEC 17025, signing the reports. For Service Group specific validation please refer to the Validation Signature Page.



BV Labs Job #: C1G1346  
Report Date: 2021/06/21

Agnico-Eagle  
Your P.O. #: OL-1006009  
Sampler Initials: JR

## RESULTS OF ANALYSES OF WATER

BV Labs ID		PUY116		PUY117	PUY118			PUY118		
Sampling Date		2021/06/08		2021/06/08 15:50	2021/06/08 16:00			2021/06/08 16:00		
COC Number		n/a		n/a	n/a			n/a		
	UNITS	MEL-SR-7-1	QC Batch	MEL-SR-13	MEL-SR-14	RDL	QC Batch	MEL-SR-14 Lab-Dup	RDL	QC Batch
<b>Inorganics</b>										
Total Ammonia-N	mg/L	<0.050	7411075	<0.050	<0.050	0.050	7411075			
Total Dissolved Solids	mg/L	175	7409749	130	195	10	7409749			
Fluoride (F-)	mg/L	<0.10	7411082	<0.10	0.15	0.10	7411082	0.13	0.10	7411082
Orthophosphate (P)	mg/L	<0.010	7410796	<0.010	<0.010	0.010	7410796			
pH	pH	7.74	7411094	7.65	7.65		7411094	7.71		7411094
Total Phosphorus	mg/L	0.034	7411003	<0.020	0.054	0.020	7411003			
Total Suspended Solids	mg/L	16	7409522	10	78	1	7409522			
Dissolved Sulphate (SO4)	mg/L	33	7410797	20	7.6	1.0	7410797			
Total Cyanide (CN)	mg/L	<0.0050	7411642	<0.0050	<0.0050	0.0050	7411642			
Turbidity	NTU	11	7409405	2.6	39	0.1	7409405			
Alkalinity (Total as CaCO3)	mg/L	61	7411093	45	52	1.0	7411093	52	1.0	7411093
Dissolved Chloride (Cl-)	mg/L	30	7410794	27	21	1.0	7410794			
Nitrite (N)	mg/L	<0.010	7411621	<0.010	<0.010	0.010	7409949			
Nitrate (N)	mg/L	<0.10	7411621	<0.10	<0.10	0.10	7409949			
Nitrate + Nitrite (N)	mg/L	<0.10	7411621	<0.10	<0.10	0.10	7409949			
<b>Metals</b>										
Total Aluminum (Al)	mg/L	0.521	7417426	0.138	1.64	0.0030	7417426			
Total Antimony (Sb)	mg/L	<0.00050	7417426	<0.00050	<0.00050	0.00050	7417426			
Total Arsenic (As)	mg/L	0.00364	7417426	0.00061	0.00205	0.00010	7417426			
Total Barium (Ba)	mg/L	0.0192	7417426	0.0082	0.0241	0.0010	7417426			
Total Beryllium (Be)	mg/L	<0.00010	7417426	<0.00010	<0.00010	0.00010	7417426			
Total Bismuth (Bi)	mg/L	<0.0010	7417426	<0.0010	<0.0010	0.0010	7417426			
Total Boron (B)	mg/L	<0.050	7417426	<0.050	0.085	0.050	7417426			
Total Cadmium (Cd)	mg/L	0.000018	7417426	<0.000010	0.000022	0.000010	7417426			
Total Chromium (Cr)	mg/L	0.0033	7417426	0.0011	0.0104	0.0010	7417426			
Total Cobalt (Co)	mg/L	0.00104	7417426	0.00024	0.00211	0.00020	7417426			
Total Copper (Cu)	mg/L	0.00543	7417426	0.00310	0.0163	0.00050	7417426			
Total Iron (Fe)	mg/L	0.850	7417426	0.263	2.64	0.010	7417426			
Total Lead (Pb)	mg/L	0.00056	7417426	<0.00020	0.00099	0.00020	7417426			
Total Lithium (Li)	mg/L	0.0045	7417426	<0.0020	0.0056	0.0020	7417426			
Total Manganese (Mn)	mg/L	0.0204	7417426	0.0069	0.0415	0.0010	7417426			
RDL = Reportable Detection Limit QC Batch = Quality Control Batch Lab-Dup = Laboratory Initiated Duplicate										



BV Labs Job #: C1G1346  
Report Date: 2021/06/21

Agnico-Eagle  
Your P.O. #: OL-1006009  
Sampler Initials: JR

## RESULTS OF ANALYSES OF WATER

BV Labs ID		PUY116		PUY117	PUY118			PUY118		
Sampling Date		2021/06/08		2021/06/08 15:50	2021/06/08 16:00			2021/06/08 16:00		
COC Number		n/a		n/a	n/a			n/a		
	UNITS	MEL-SR-7-1	QC Batch	MEL-SR-13	MEL-SR-14	RDL	QC Batch	MEL-SR-14 Lab-Dup	RDL	QC Batch
Total Molybdenum (Mo)	mg/L	<0.0010	7417426	<0.0010	0.0014	0.0010	7417426			
Total Nickel (Ni)	mg/L	0.0044	7417426	0.0021	0.0083	0.0010	7417426			
Total Selenium (Se)	mg/L	<0.00010	7417426	<0.00010	<0.00010	0.00010	7417426			
Total Silicon (Si)	mg/L	1.17	7417426	0.62	3.27	0.10	7417426			
Total Silver (Ag)	mg/L	<0.000020	7417426	<0.000020	<0.000020	0.000020	7417426			
Total Strontium (Sr)	mg/L	0.131	7417426	0.0627	0.0489	0.0010	7417426			
Total Thallium (Tl)	mg/L	0.000014	7417426	<0.000010	0.000029	0.000010	7417426			
Total Tin (Sn)	mg/L	<0.0050	7417426	<0.0050	<0.0050	0.0050	7417426			
Total Titanium (Ti)	mg/L	0.0246	7417426	0.0065	0.0881	0.0050	7417426			
Total Uranium (U)	mg/L	0.00041	7417426	0.00021	0.00022	0.00010	7417426			
Total Vanadium (V)	mg/L	<0.0050	7417426	<0.0050	<0.0050	0.0050	7417426			
Total Zinc (Zn)	mg/L	0.0104	7417426	0.0665	0.0712	0.0050	7417426			
Total Zirconium (Zr)	mg/L	0.00023	7417426	<0.00010	0.00040	0.00010	7417426			
Total Calcium (Ca)	mg/L	25.5	7415030	16.0	10.5	0.050	7415030			
Total Magnesium (Mg)	mg/L	4.90	7415030	4.09	3.89	0.050	7415030			
Total Potassium (K)	mg/L	3.39	7415030	2.38	3.19	0.050	7415030			
Total Sodium (Na)	mg/L	17.6	7415030	17.8	27.7	0.050	7415030			
Total Sulphur (S)	mg/L	10.3	7415030	6.5	5.8	3.0	7415030			
<b>Petroleum Hydrocarbons</b>										
Total Oil & Grease	mg/L	0.60	7412879	<0.50	<0.50	0.50	7412879			
RDL = Reportable Detection Limit QC Batch = Quality Control Batch Lab-Dup = Laboratory Initiated Duplicate										



BV Labs Job #: C1G1346  
Report Date: 2021/06/21

Agnico-Eagle  
Your P.O. #: OL-1006009  
Sampler Initials: JR

### RESULTS OF ANALYSES OF WATER

<b>BV Labs ID</b>		PUY119		
<b>Sampling Date</b>		2021/06/08		
<b>COC Number</b>		n/a		
	<b>UNITS</b>	<b>MEL-SR-7-2</b>	<b>RDL</b>	<b>QC Batch</b>
<b>Inorganics</b>				
Total Ammonia-N	mg/L	<0.050	0.050	7410769
Total Dissolved Solids	mg/L	245	10	7409749
Fluoride (F-)	mg/L	<0.10	0.10	7411082
Orthophosphate (P)	mg/L	<0.010	0.010	7410796
pH	pH	7.85		7411094
Total Phosphorus	mg/L	<0.020	0.020	7411003
Total Suspended Solids	mg/L	12	1	7409522
Dissolved Sulphate (SO <sub>4</sub> )	mg/L	37	1.0	7410797
Total Cyanide (CN)	mg/L	<0.0050	0.0050	7411642
Turbidity	NTU	9.6	0.1	7409405
Alkalinity (Total as CaCO <sub>3</sub> )	mg/L	86	1.0	7411093
Dissolved Chloride (Cl-)	mg/L	41	1.0	7410794
Nitrite (N)	mg/L	<0.010	0.010	7409949
Nitrate (N)	mg/L	<0.10	0.10	7409949
Nitrate + Nitrite (N)	mg/L	<0.10	0.10	7409949
<b>Metals</b>				
Total Aluminum (Al)	mg/L	0.401	0.0030	7417426
Total Antimony (Sb)	mg/L	<0.00050	0.00050	7417426
Total Arsenic (As)	mg/L	0.00260	0.00010	7417426
Total Barium (Ba)	mg/L	0.0249	0.0010	7417426
Total Beryllium (Be)	mg/L	<0.00010	0.00010	7417426
Total Bismuth (Bi)	mg/L	<0.0010	0.0010	7417426
Total Boron (B)	mg/L	<0.050	0.050	7417426
Total Cadmium (Cd)	mg/L	0.000012	0.000010	7417426
Total Chromium (Cr)	mg/L	0.0028	0.0010	7417426
Total Cobalt (Co)	mg/L	0.00097	0.00020	7417426
Total Copper (Cu)	mg/L	0.00465	0.00050	7417426
Total Iron (Fe)	mg/L	0.670	0.010	7417426
Total Lead (Pb)	mg/L	0.00042	0.00020	7417426
Total Lithium (Li)	mg/L	0.0100	0.0020	7417426
Total Manganese (Mn)	mg/L	0.0502	0.0010	7417426
RDL = Reportable Detection Limit QC Batch = Quality Control Batch				



### RESULTS OF ANALYSES OF WATER

<b>BV Labs ID</b>		PUY119		
<b>Sampling Date</b>		2021/06/08		
<b>COC Number</b>		n/a		
	<b>UNITS</b>	<b>MEL-SR-7-2</b>	<b>RDL</b>	<b>QC Batch</b>
Total Molybdenum (Mo)	mg/L	0.0011	0.0010	7417426
Total Nickel (Ni)	mg/L	0.0059	0.0010	7417426
Total Selenium (Se)	mg/L	<0.00010	0.00010	7417426
Total Silicon (Si)	mg/L	1.24	0.10	7417426
Total Silver (Ag)	mg/L	<0.000020	0.000020	7417426
Total Strontium (Sr)	mg/L	0.266	0.0010	7417426
Total Thallium (Tl)	mg/L	0.000016	0.000010	7417426
Total Tin (Sn)	mg/L	<0.0050	0.0050	7417426
Total Titanium (Ti)	mg/L	0.0173	0.0050	7417426
Total Uranium (U)	mg/L	0.00110	0.00010	7417426
Total Vanadium (V)	mg/L	<0.0050	0.0050	7417426
Total Zinc (Zn)	mg/L	0.0143	0.0050	7417426
Total Zirconium (Zr)	mg/L	0.00014	0.00010	7417426
Total Calcium (Ca)	mg/L	41.0	0.050	7415030
Total Magnesium (Mg)	mg/L	6.70	0.050	7415030
Total Potassium (K)	mg/L	4.43	0.050	7415030
Total Sodium (Na)	mg/L	19.6	0.050	7415030
Total Sulphur (S)	mg/L	12.9	3.0	7415030
<b>Petroleum Hydrocarbons</b>				
Total Oil & Grease	mg/L	<0.50	0.50	7412879
RDL = Reportable Detection Limit				
QC Batch = Quality Control Batch				



BUREAU  
VERITAS

BV Labs Job #: C1G1346  
Report Date: 2021/06/21

Agnico-Eagle  
Your P.O. #: OL-1006009  
Sampler Initials: JR

### ELEMENTS BY ATOMIC SPECTROSCOPY (WATER)

<b>BV Labs ID</b>		PUY116	PUY117	PUY118		PUY119		
<b>Sampling Date</b>		2021/06/08	2021/06/08 15:50	2021/06/08 16:00		2021/06/08		
<b>COC Number</b>		n/a	n/a	n/a		n/a		
	<b>UNITS</b>	<b>MEL-SR-7-1</b>	<b>MEL-SR-13</b>	<b>MEL-SR-14</b>	<b>QC Batch</b>	<b>MEL-SR-7-2</b>	<b>RDL</b>	<b>QC Batch</b>
<b>Calculated Parameters</b>								
Total Hardness (CaCO <sub>3</sub> )	mg/L	83.9	56.8	42.2	7417274	130	0.50	7417274
<b>Metals</b>								
Mercury (Hg)	mg/L	<0.00001	<0.00001	<0.00001	7413669	<0.00001	0.00001	7413276
RDL = Reportable Detection Limit								
QC Batch = Quality Control Batch								



BV Labs Job #: C1G1346  
Report Date: 2021/06/21

Agnico-Eagle  
Your P.O. #: OL-1006009  
Sampler Initials: JR

## TEST SUMMARY

**BV Labs ID:** PUY116  
**Sample ID:** MEL-SR-7-1  
**Matrix:** Water

**Collected:** 2021/06/08  
**Shipped:**  
**Received:** 2021/06/11

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
Alkalinity	AT	7411093	N/A	2021/06/16	Surinder Rai
Chloride by Automated Colourimetry	KONE	7410794	N/A	2021/06/16	Avneet Kour Sudan
Total Cyanide	SKAL/CN	7411642	2021/06/16	2021/06/16	Aditiben Patel
Fluoride	ISE	7411082	2021/06/16	2021/06/16	Surinder Rai
Mercury (low level)	CV/AA	7413669	2021/06/17	2021/06/17	Medhat Nasr
Hardness Total (calculated as CaCO <sub>3</sub> )	CALC	7417274	N/A	2021/06/18	Automated Statchk
Na, K, Ca, Mg, S by CRC ICPMS (total)	ICP	7415030	2021/06/18	2021/06/18	Automated Statchk
Elements by CRC ICPMS (total)	ICP/MS	7417426	2021/06/17	2021/06/18	Jeffrey Laporte
Total Ammonia-N	LACH/NH <sub>4</sub>	7411075	N/A	2021/06/18	Amanpreet Sappal
Nitrate (NO <sub>3</sub> ) and Nitrite (NO <sub>2</sub> ) in Water	LACH	7411621	N/A	2021/06/17	Chandra Nandlal
Total Oil and Grease	BAL	7412879	2021/06/16	2021/06/17	Karamjeet Randhawa
pH	AT	7411094	2021/06/16	2021/06/16	Surinder Rai
Orthophosphate	KONE	7410796	N/A	2021/06/16	Avneet Kour Sudan
Sulphate by Automated Colourimetry	KONE	7410797	N/A	2021/06/16	Avneet Kour Sudan
Total Dissolved Solids	BAL	7409749	2021/06/15	2021/06/16	Shivani Desai
Total Phosphorus (Colourimetric)	LACH/P	7411003	2021/06/16	2021/06/17	Shivani Shivani
Low Level Total Suspended Solids	BAL	7409522	2021/06/15	2021/06/16	Shivani Desai
Turbidity	AT	7409405	N/A	2021/06/15	Neil Dassanayake

**BV Labs ID:** PUY117  
**Sample ID:** MEL-SR-13  
**Matrix:** Water

**Collected:** 2021/06/08  
**Shipped:**  
**Received:** 2021/06/11

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
Alkalinity	AT	7411093	N/A	2021/06/16	Surinder Rai
Chloride by Automated Colourimetry	KONE	7410794	N/A	2021/06/16	Avneet Kour Sudan
Total Cyanide	SKAL/CN	7411642	2021/06/16	2021/06/16	Aditiben Patel
Fluoride	ISE	7411082	2021/06/16	2021/06/16	Surinder Rai
Mercury (low level)	CV/AA	7413669	2021/06/17	2021/06/17	Medhat Nasr
Hardness Total (calculated as CaCO <sub>3</sub> )	CALC	7417274	N/A	2021/06/18	Automated Statchk
Na, K, Ca, Mg, S by CRC ICPMS (total)	ICP	7415030	2021/06/18	2021/06/18	Automated Statchk
Elements by CRC ICPMS (total)	ICP/MS	7417426	2021/06/17	2021/06/18	Jeffrey Laporte
Total Ammonia-N	LACH/NH <sub>4</sub>	7411075	N/A	2021/06/18	Amanpreet Sappal
Nitrate (NO <sub>3</sub> ) and Nitrite (NO <sub>2</sub> ) in Water	LACH	7409949	N/A	2021/06/16	Chandra Nandlal
Total Oil and Grease	BAL	7412879	2021/06/16	2021/06/17	Karamjeet Randhawa
pH	AT	7411094	2021/06/16	2021/06/16	Surinder Rai
Orthophosphate	KONE	7410796	N/A	2021/06/16	Avneet Kour Sudan
Sulphate by Automated Colourimetry	KONE	7410797	N/A	2021/06/16	Avneet Kour Sudan
Total Dissolved Solids	BAL	7409749	2021/06/15	2021/06/16	Shivani Desai
Total Phosphorus (Colourimetric)	LACH/P	7411003	2021/06/16	2021/06/17	Shivani Shivani
Low Level Total Suspended Solids	BAL	7409522	2021/06/15	2021/06/16	Shivani Desai
Turbidity	AT	7409405	N/A	2021/06/15	Neil Dassanayake



BV Labs Job #: C1G1346  
Report Date: 2021/06/21

Agnico-Eagle  
Your P.O. #: OL-1006009  
Sampler Initials: JR

## TEST SUMMARY

**BV Labs ID:** PUY118  
**Sample ID:** MEL-SR-14  
**Matrix:** Water

**Collected:** 2021/06/08  
**Shipped:**  
**Received:** 2021/06/11

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
Alkalinity	AT	7411093	N/A	2021/06/16	Surinder Rai
Chloride by Automated Colourimetry	KONE	7410794	N/A	2021/06/16	Avneet Kour Sudan
Total Cyanide	SKAL/CN	7411642	2021/06/16	2021/06/16	Aditiben Patel
Fluoride	ISE	7411082	2021/06/16	2021/06/16	Surinder Rai
Mercury (low level)	CV/AA	7413669	2021/06/17	2021/06/17	Medhat Nasr
Hardness Total (calculated as CaCO <sub>3</sub> )	CALC	7417274	N/A	2021/06/18	Automated Statchk
Na, K, Ca, Mg, S by CRC ICPMS (total)	ICP	7415030	2021/06/18	2021/06/18	Automated Statchk
Elements by CRC ICPMS (total)	ICP/MS	7417426	2021/06/17	2021/06/18	Jeffrey Laporte
Total Ammonia-N	LACH/NH <sub>4</sub>	7411075	N/A	2021/06/18	Amanpreet Sappal
Nitrate (NO <sub>3</sub> ) and Nitrite (NO <sub>2</sub> ) in Water	LACH	7409949	N/A	2021/06/16	Chandra Nandlal
Total Oil and Grease	BAL	7412879	2021/06/16	2021/06/17	Karamjeet Randhawa
pH	AT	7411094	2021/06/16	2021/06/16	Surinder Rai
Orthophosphate	KONE	7410796	N/A	2021/06/16	Avneet Kour Sudan
Sulphate by Automated Colourimetry	KONE	7410797	N/A	2021/06/16	Avneet Kour Sudan
Total Dissolved Solids	BAL	7409749	2021/06/15	2021/06/16	Shivani Desai
Total Phosphorus (Colourimetric)	LACH/P	7411003	2021/06/16	2021/06/17	Shivani Shivani
Low Level Total Suspended Solids	BAL	7409522	2021/06/15	2021/06/16	Shivani Desai
Turbidity	AT	7409405	N/A	2021/06/15	Neil Dassanayake

**BV Labs ID:** PUY118 Dup  
**Sample ID:** MEL-SR-14  
**Matrix:** Water

**Collected:** 2021/06/08  
**Shipped:**  
**Received:** 2021/06/11

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
Alkalinity	AT	7411093	N/A	2021/06/16	Surinder Rai
Fluoride	ISE	7411082	2021/06/16	2021/06/16	Surinder Rai
pH	AT	7411094	2021/06/16	2021/06/16	Surinder Rai

**BV Labs ID:** PUY119  
**Sample ID:** MEL-SR-7-2  
**Matrix:** Water

**Collected:** 2021/06/08  
**Shipped:**  
**Received:** 2021/06/11

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
Alkalinity	AT	7411093	N/A	2021/06/16	Surinder Rai
Chloride by Automated Colourimetry	KONE	7410794	N/A	2021/06/16	Avneet Kour Sudan
Total Cyanide	SKAL/CN	7411642	2021/06/16	2021/06/16	Aditiben Patel
Fluoride	ISE	7411082	2021/06/16	2021/06/16	Surinder Rai
Mercury (low level)	CV/AA	7413276	2021/06/17	2021/06/17	Medhat Nasr
Hardness Total (calculated as CaCO <sub>3</sub> )	CALC	7417274	N/A	2021/06/18	Automated Statchk
Na, K, Ca, Mg, S by CRC ICPMS (total)	ICP	7415030	2021/06/18	2021/06/18	Automated Statchk
Elements by CRC ICPMS (total)	ICP/MS	7417426	2021/06/17	2021/06/18	Jeffrey Laporte
Total Ammonia-N	LACH/NH <sub>4</sub>	7410769	N/A	2021/06/17	Amanpreet Sappal
Nitrate (NO <sub>3</sub> ) and Nitrite (NO <sub>2</sub> ) in Water	LACH	7409949	N/A	2021/06/16	Chandra Nandlal
Total Oil and Grease	BAL	7412879	2021/06/16	2021/06/17	Karamjeet Randhawa
pH	AT	7411094	2021/06/16	2021/06/16	Surinder Rai



BUREAU  
VERITAS

BV Labs Job #: C1G1346

Report Date: 2021/06/21

Agnico-Eagle

Your P.O. #: OL-1006009

Sampler Initials: JR

## TEST SUMMARY

**BV Labs ID:** PUY119

**Sample ID:** MEL-SR-7-2

**Matrix:** Water

**Collected:** 2021/06/08

**Shipped:**

**Received:** 2021/06/11

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
Orthophosphate	KONE	7410796	N/A	2021/06/16	Avneet Kour Sudan
Sulphate by Automated Colourimetry	KONE	7410797	N/A	2021/06/16	Avneet Kour Sudan
Total Dissolved Solids	BAL	7409749	2021/06/15	2021/06/16	Shivani Desai
Total Phosphorus (Colourimetric)	LACH/P	7411003	2021/06/16	2021/06/17	Shivani Shivani
Low Level Total Suspended Solids	BAL	7409522	2021/06/15	2021/06/16	Shivani Desai
Turbidity	AT	7409405	N/A	2021/06/15	Neil Dassanayake



## GENERAL COMMENTS

Each temperature is the average of up to three cooler temperatures taken at receipt

Package 1	18.3°C
Package 2	18.7°C
Package 3	16.0°C
Package 4	16.3°C
Package 5	15.7°C
Package 6	19.0°C

Revised Report (2021/06/21): Split report

**Results relate only to the items tested.**



BUREAU  
VERITAS

BV Labs Job #: C1G1346  
Report Date: 2021/06/21

## QUALITY ASSURANCE REPORT

Agnico-Eagle  
Your P.O. #: OL-1006009  
Sampler Initials: JR

QC Batch	Parameter	Date	Matrix Spike		SPIKED BLANK		Method Blank		RPD		QC Standard	
			% Recovery	QC Limits	% Recovery	QC Limits	Value	UNITS	Value (%)	QC Limits	% Recovery	QC Limits
7409405	Turbidity	2021/06/15			92	85 - 115	<0.1	NTU	3.0	20		
7409522	Total Suspended Solids	2021/06/16					<1	mg/L	15	25	98	85 - 115
7409749	Total Dissolved Solids	2021/06/16					<10	mg/L	NC	25	100	90 - 110
7409949	Nitrate (N)	2021/06/16	98	80 - 120	99	80 - 120	<0.10	mg/L	NC	20		
7409949	Nitrite (N)	2021/06/16	105	80 - 120	105	80 - 120	<0.010	mg/L	NC	20		
7410769	Total Ammonia-N	2021/06/17	96	75 - 125	100	80 - 120	<0.050	mg/L	11	20		
7410794	Dissolved Chloride (Cl-)	2021/06/16	NC	80 - 120	101	80 - 120	<1.0	mg/L	1.2	20		
7410796	Orthophosphate (P)	2021/06/16	109	75 - 125	102	80 - 120	<0.010	mg/L	NC	25		
7410797	Dissolved Sulphate (SO4)	2021/06/16	NC	75 - 125	105	80 - 120	<1.0	mg/L	0.54	20		
7411003	Total Phosphorus	2021/06/17	100	80 - 120	100	80 - 120	<0.020	mg/L	0.26	20	99	80 - 120
7411075	Total Ammonia-N	2021/06/18	95	75 - 125	99	80 - 120	<0.050	mg/L	NC	20		
7411082	Fluoride (F-)	2021/06/16	97	80 - 120	94	80 - 120	<0.10	mg/L	16	20		
7411093	Alkalinity (Total as CaCO3)	2021/06/16			97	85 - 115	<1.0	mg/L	0.078	20		
7411094	pH	2021/06/16			102	98 - 103			0.73	N/A		
7411621	Nitrate (N)	2021/06/17	104	80 - 120	105	80 - 120	<0.10	mg/L	NC	20		
7411621	Nitrite (N)	2021/06/17	108	80 - 120	109	80 - 120	<0.010	mg/L	NC	20		
7411642	Total Cyanide (CN)	2021/06/16	100	80 - 120	100	80 - 120	<0.0050	mg/L	NC	20		
7412879	Total Oil & Grease	2021/06/17			98	85 - 115	<0.50	mg/L	1.0	25		
7413276	Mercury (Hg)	2021/06/17	98	75 - 125	97	80 - 120	<0.00001	mg/L	NC	20		
7413669	Mercury (Hg)	2021/06/17	91	75 - 125	95	80 - 120	<0.00001	mg/L	NC	20		
7417426	Total Aluminum (Al)	2021/06/18	118	80 - 120	103	80 - 120	<0.0030	mg/L				
7417426	Total Antimony (Sb)	2021/06/18	107	80 - 120	103	80 - 120	<0.00050	mg/L				
7417426	Total Arsenic (As)	2021/06/18	NC	80 - 120	102	80 - 120	<0.00010	mg/L				
7417426	Total Barium (Ba)	2021/06/18	104	80 - 120	101	80 - 120	<0.0010	mg/L				
7417426	Total Beryllium (Be)	2021/06/18	101	80 - 120	101	80 - 120	<0.00010	mg/L				
7417426	Total Bismuth (Bi)	2021/06/18	99	80 - 120	101	80 - 120	<0.0010	mg/L				
7417426	Total Boron (B)	2021/06/18	NC	80 - 120	100	80 - 120	<0.050	mg/L				
7417426	Total Cadmium (Cd)	2021/06/18	102	80 - 120	103	80 - 120	<0.000010	mg/L				
7417426	Total Chromium (Cr)	2021/06/18	100	80 - 120	102	80 - 120	<0.0010	mg/L				
7417426	Total Cobalt (Co)	2021/06/18	97	80 - 120	101	80 - 120	<0.00020	mg/L				
7417426	Total Copper (Cu)	2021/06/18	91	80 - 120	98	80 - 120	<0.00050	mg/L				

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VERITASBV Labs Job #: C1G1346  
Report Date: 2021/06/21

## QUALITY ASSURANCE REPORT(CONT'D)

Agnico-Eagle  
Your P.O. #: OL-1006009  
Sampler Initials: JR

QC Batch	Parameter	Date	Matrix Spike		SPIKED BLANK		Method Blank		RPD		QC Standard	
			% Recovery	QC Limits	% Recovery	QC Limits	Value	UNITS	Value (%)	QC Limits	% Recovery	QC Limits
7417426	Total Iron (Fe)	2021/06/18	NC	80 - 120	104	80 - 120	<0.010	mg/L				
7417426	Total Lead (Pb)	2021/06/18	103	80 - 120	103	80 - 120	<0.00020	mg/L				
7417426	Total Lithium (Li)	2021/06/18	NC	80 - 120	97	80 - 120	<0.0020	mg/L				
7417426	Total Manganese (Mn)	2021/06/18	NC	80 - 120	101	80 - 120	<0.0010	mg/L				
7417426	Total Molybdenum (Mo)	2021/06/18	115	80 - 120	104	80 - 120	<0.0010	mg/L				
7417426	Total Nickel (Ni)	2021/06/18	95	80 - 120	100	80 - 120	<0.0010	mg/L				
7417426	Total Selenium (Se)	2021/06/18	66 (1)	80 - 120	102	80 - 120	<0.00010	mg/L				
7417426	Total Silicon (Si)	2021/06/18	NC	80 - 120	105	80 - 120	<0.10	mg/L				
7417426	Total Silver (Ag)	2021/06/18	97	80 - 120	103	80 - 120	<0.000020	mg/L				
7417426	Total Strontium (Sr)	2021/06/18	NC	80 - 120	104	80 - 120	<0.0010	mg/L				
7417426	Total Thallium (Tl)	2021/06/18	102	80 - 120	101	80 - 120	<0.000010	mg/L				
7417426	Total Tin (Sn)	2021/06/18	104	80 - 120	102	80 - 120	<0.0050	mg/L				
7417426	Total Titanium (Ti)	2021/06/18	111	80 - 120	104	80 - 120	<0.0050	mg/L				
7417426	Total Uranium (U)	2021/06/18	112	80 - 120	105	80 - 120	<0.00010	mg/L				
7417426	Total Vanadium (V)	2021/06/18	104	80 - 120	102	80 - 120	<0.0050	mg/L				
7417426	Total Zinc (Zn)	2021/06/18	95	80 - 120	102	80 - 120	<0.0050	mg/L				
7417426	Total Zirconium (Zr)	2021/06/18	109	80 - 120	98	80 - 120	<0.00010	mg/L				

N/A = Not Applicable

Duplicate: Paired analysis of a separate portion of the same sample. Used to evaluate the variance in the measurement.

Matrix Spike: A sample to which a known amount of the analyte of interest has been added. Used to evaluate sample matrix interference.

QC Standard: A sample of known concentration prepared by an external agency under stringent conditions. Used as an independent check of method accuracy.

Spiked Blank: A blank matrix sample to which a known amount of the analyte, usually from a second source, has been added. Used to evaluate method accuracy.

Method Blank: A blank matrix containing all reagents used in the analytical procedure. Used to identify laboratory contamination.

NC (Matrix Spike): The recovery in the matrix spike was not calculated. The relative difference between the concentration in the parent sample and the spike amount was too small to permit a reliable recovery calculation (matrix spike concentration was less than the native sample concentration)

NC (Duplicate RPD): The duplicate RPD was not calculated. The concentration in the sample and/or duplicate was too low to permit a reliable RPD calculation (absolute difference  $\leq 2 \times$  RDL).

(1) Recovery or RPD for this parameter is outside control limits. The overall quality control for this analysis meets acceptability criteria.



BUREAU  
VERITAS

BV Labs Job #: C1G1346

Report Date: 2021/06/21

Agnico-Eagle

Your P.O. #: OL-1006009

Sampler Initials: JR

### VALIDATION SIGNATURE PAGE

The analytical data and all QC contained in this report were reviewed and validated by:

Anastassia Hamanov, Scientific Specialist

David Huang, BBY Scientific Specialist

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BUREAU  
VERITAS

BV Labs Job #: C1G1346

Report Date: 2021/06/21

Agnico-Eagle

Your P.O. #: OL-1006009

Sampler Initials: JR

**Exceedance Summary Table – Metal Mining Effluent Reg**  
**Result Exceedances**

Sample ID	BV Labs ID	Parameter	Criteria	Result	DL	UNITS
No Exceedances						
The exceedance summary table is for information purposes only and should not be considered a comprehensive listing or statement of conformance to applicable regulatory guidelines.						



Your P.O. #: OL-1006009  
 Site Location: MELIADINE  
 Your C.O.C. #: n/a

**Attention: Reporting**

Agnico-Eagle  
 Meliadine  
 Meliadine Mine  
 Rankin Inlet, NU  
 CANADA X0C 0G0

**Report Date: 2021/07/05**  
 Report #: R6705104  
 Version: 1 - Final

**CERTIFICATE OF ANALYSIS**

**BV LABS JOB #: C1H4395**

**Received: 2021/06/23, 10:00**

Sample Matrix: Water  
 # Samples Received: 4

<b>Analyses</b>	<b>Quantity</b>	<b>Date Extracted</b>	<b>Date Analyzed</b>	<b>Laboratory Method</b>	<b>Analytical Method</b>
Alkalinity (1)	4	N/A	2021/06/28	CAM SOP-00448	SM 23 2320 B m
Chloride by Automated Colourimetry (1)	4	N/A	2021/06/28	CAM SOP-00463	SM 23 4500-Cl E m
Total Cyanide (1)	4	2021/06/29	2021/06/29	CAM SOP-00457	OMOE E3015 5 m
Fluoride (1)	4	2021/06/26	2021/06/28	CAM SOP-00449	SM 23 4500-F C m
Mercury (low level) (1)	3	2021/06/28	2021/06/28	CAM SOP-00453	EPA 7470 m
Mercury (low level) (1)	1	2021/06/29	2021/06/29	CAM SOP-00453	EPA 7470 m
Hardness Total (calculated as CaCO <sub>3</sub> ) (2, 3)	4	N/A	2021/07/01	BBY WI-00033	Auto Calc
Na, K, Ca, Mg, S by CRC ICPMS (total) (2)	4	2021/06/25	2021/07/01	BBY7SOP-00002	EPA 6020B R2 m
Elements by CRC ICPMS (total) (2)	4	2021/06/29	2021/07/01	BBY7SOP-00003/ BBY7SOPEPA 6020B R2m -00002	
Total Ammonia-N (1)	4	N/A	2021/06/30	CAM SOP-00441	USGS I-2522-90 m
Nitrate (NO <sub>3</sub> ) and Nitrite (NO <sub>2</sub> ) in Water (1, 4)	4	N/A	2021/06/29	CAM SOP-00440	SM 23 4500-NO <sub>3</sub> /NO <sub>2</sub> B
Total Oil and Grease (1)	4	2021/06/27	2021/06/27	CAM SOP-00326	EPA1664B m,SM5520B m
pH (1)	4	2021/06/26	2021/06/28	CAM SOP-00413	SM 4500H+ B m
Orthophosphate (1)	4	N/A	2021/06/30	CAM SOP-00461	EPA 365.1 m
Sulphate by Automated Colourimetry (1)	4	N/A	2021/06/28	CAM SOP-00464	EPA 375.4 m
Total Dissolved Solids (1)	2	2021/06/26	2021/06/28	CAM SOP-00428	SM 23 2540C m
Total Dissolved Solids (1)	2	2021/06/28	2021/06/29	CAM SOP-00428	SM 23 2540C m
Total Phosphorus (Colourimetric) (1)	4	2021/06/29	2021/06/29	CAM SOP-00407	SM 23 4500 P B H m
Low Level Total Suspended Solids (1)	4	2021/06/26	2021/06/28	CAM SOP-00428	SM 23 2540D m
Turbidity (1)	4	N/A	2021/06/28	CAM SOP-00417	SM 23 2130 B m

**Remarks:**

Bureau Veritas is accredited to ISO/IEC 17025 for specific parameters on scopes of accreditation. Unless otherwise noted, procedures used by Bureau Veritas are based upon recognized Provincial, Federal or US method compendia such as CCME, MELCC, EPA, APHA.

All work recorded herein has been done in accordance with procedures and practices ordinarily exercised by professionals in Bureau Veritas' profession using accepted testing methodologies, quality assurance and quality control procedures (except where otherwise agreed by the client and Bureau Veritas in writing). All data is in statistical control and has met quality control and method performance criteria unless otherwise noted. All method blanks are reported; unless indicated otherwise, associated sample data are not blank corrected. Where applicable, unless otherwise noted, Measurement Uncertainty has not been accounted for when stating conformity to the referenced standard.



Your P.O. #: OL-1006009  
Site Location: MELIADINE  
Your C.O.C. #: n/a

**Attention: Reporting**

Agnico-Eagle  
Meliadine  
Meliadine Mine  
Rankin Inlet, NU  
CANADA X0C 0G0

**Report Date: 2021/07/05**  
Report #: R6705104  
Version: 1 - Final

**CERTIFICATE OF ANALYSIS**

**BV LABS JOB #: C1H4395**

**Received: 2021/06/23, 10:00**

Bureau Veritas liability is limited to the actual cost of the requested analyses, unless otherwise agreed in writing. There is no other warranty expressed or implied. Bureau Veritas has been retained to provide analysis of samples provided by the Client using the testing methodology referenced in this report. Interpretation and use of test results are the sole responsibility of the Client and are not within the scope of services provided by Bureau Veritas, unless otherwise agreed in writing. Bureau Veritas is not responsible for the accuracy or any data impacts, that result from the information provided by the customer or their agent.

Solid sample results, except biota, are based on dry weight unless otherwise indicated. Organic analyses are not recovery corrected except for isotope dilution methods.

Results relate to samples tested. When sampling is not conducted by Bureau Veritas, results relate to the supplied samples tested.

This Certificate shall not be reproduced except in full, without the written approval of the laboratory.

Reference Method suffix "m" indicates test methods incorporate validated modifications from specific reference methods to improve performance.

\* RPDs calculated using raw data. The rounding of final results may result in the apparent difference.

(1) This test was performed by Bureau Veritas Mississauga

(2) This test was performed by Bureau Veritas Burnaby via Mississauga

(3) "Total Hardness" was calculated from Total Ca and Mg concentrations and may be biased high (Hardness, or Dissolved Hardness, calculated from Dissolved Ca and Mg, should be used for compliance if available).

(4) Values for calculated parameters may not appear to add up due to rounding of raw data and significant figures.

Encryption Key

Katherine Szozda  
Project Manager  
05 Jul 2021 15:15:54

Please direct all questions regarding this Certificate of Analysis to your Project Manager.

Katherine Szozda, Project Manager

Email: Katherine.Szozda@bureauveritas.com

Phone# (613)274-0573 Ext:7063633

=====

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BV Labs Job #: C1H4395  
Report Date: 2021/07/05

Agnico-Eagle  
Site Location: MELIADINE  
Your P.O. #: OL-1006009  
Sampler Initials: DM

BV Labs ID		PXQ937	PXQ938	PXQ939	PXQ940		
Sampling Date		2021/06/17 10:41	2021/06/17 10:56	2021/06/17 11:13	2021/06/17 10:00		
COC Number		n/a	n/a	n/a	n/a		
	UNITS	MEL-SR-1	MEL-SR-7-US	MEL-SR-7	MEL-SR-14	RDL	QC Batch
<b>Metals</b>							
Total Aluminum (Al)	mg/L	0.0480	0.0739	0.0300	0.0756	0.0030	7441642
Total Antimony (Sb)	mg/L	0.00072	<0.00050	<0.00050	<0.00050	0.00050	7441642
Total Arsenic (As)	mg/L	0.00193	0.00250	0.00298	0.00082	0.00010	7441642
Total Barium (Ba)	mg/L	0.0391	0.0257	0.0252	0.0238	0.0010	7441642
Total Beryllium (Be)	mg/L	<0.00010	<0.00010	<0.00010	<0.00010	0.00010	7441642
Total Bismuth (Bi)	mg/L	<0.0010	<0.0010	<0.0010	<0.0010	0.0010	7441642
Total Boron (B)	mg/L	0.060	0.061	<0.050	0.076	0.050	7441642
Total Cadmium (Cd)	mg/L	<0.000010	0.000014	0.000012	0.000011	0.000010	7441642
Total Chromium (Cr)	mg/L	<0.0010	0.0026	<0.0010	<0.0010	0.0010	7441642
Total Cobalt (Co)	mg/L	0.00040	0.00028	0.00229	0.00021	0.00020	7441642
Total Copper (Cu)	mg/L	0.00333	0.00494	0.00332	0.0157	0.00050	7441642
Total Iron (Fe)	mg/L	0.109	0.095	0.145	0.126	0.010	7441642
Total Lead (Pb)	mg/L	<0.00020	<0.00020	<0.00020	<0.00020	0.00020	7441642
Total Lithium (Li)	mg/L	0.0206	0.0039	0.0057	0.0059	0.0020	7441642
Total Manganese (Mn)	mg/L	0.0124	0.0036	0.0305	0.0026	0.0010	7441642
Total Molybdenum (Mo)	mg/L	0.0013	0.0016	<0.0010	0.0014	0.0010	7441642
Total Nickel (Ni)	mg/L	0.0087	0.0026	0.0075	0.0054	0.0010	7441642
Total Selenium (Se)	mg/L	<0.00010	0.00018	<0.00010	0.00011	0.00010	7441642
Total Silicon (Si)	mg/L	0.85	1.56	0.60	1.57	0.10	7441642
Total Silver (Ag)	mg/L	<0.000020	<0.000020	<0.000020	<0.000020	0.000020	7441642
Total Strontium (Sr)	mg/L	0.528	0.180	0.228	0.166	0.0010	7441642
Total Thallium (Tl)	mg/L	0.000011	0.000014	<0.000010	0.000017	0.000010	7441642
Total Tin (Sn)	mg/L	<0.0050	<0.0050	<0.0050	<0.0050	0.0050	7441642
Total Titanium (Ti)	mg/L	<0.0050	<0.0050	<0.0050	<0.0050	0.0050	7441642
Total Uranium (U)	mg/L	0.00249	0.00116	0.00096	0.00082	0.00010	7441642
Total Vanadium (V)	mg/L	<0.0050	<0.0050	<0.0050	<0.0050	0.0050	7441642
Total Zinc (Zn)	mg/L	0.0167	<0.0050	<0.0050	0.132	0.0050	7441642
Total Zirconium (Zr)	mg/L	<0.00010	<0.00010	<0.00010	0.00016	0.00010	7441642
Total Calcium (Ca)	mg/L	83.4	33.6	47.9	32.7	0.050	7439927
Total Magnesium (Mg)	mg/L	14.6	6.71	9.31	8.43	0.050	7439927
Total Potassium (K)	mg/L	8.33	7.12	4.97	5.02	0.050	7439927
RDL = Reportable Detection Limit							
QC Batch = Quality Control Batch							



BUREAU  
VERITAS

BV Labs Job #: C1H4395

Report Date: 2021/07/05

Agnico-Eagle

Site Location: MELIADINE

Your P.O. #: OL-1006009

Sampler Initials: DM

### TOTAL ICPMS METALS FOR CCME CEQG FOR SW (WATER)

BV Labs ID		PXQ937	PXQ938	PXQ939	PXQ940		
Sampling Date		2021/06/17 10:41	2021/06/17 10:56	2021/06/17 11:13	2021/06/17 10:00		
COC Number		n/a	n/a	n/a	n/a		
	UNITS	MEL-SR-1	MEL-SR-7-US	MEL-SR-7	MEL-SR-14	RDL	QC Batch
Total Sodium (Na)	mg/L	47.0	37.1	38.8	63.2	0.050	7439927
Total Sulphur (S)	mg/L	29.8	17.8	19.8	24.1	3.0	7439927
Calculated Parameters							
Total Hardness (CaCO <sub>3</sub> )	mg/L	268	112	158	116	0.50	7439926
RDL = Reportable Detection Limit							
QC Batch = Quality Control Batch							



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VERITAS

BV Labs Job #: C1H4395

Report Date: 2021/07/05

Agnico-Eagle

Site Location: MELIADINE

Your P.O. #: OL-1006009

Sampler Initials: DM

## RESULTS OF ANALYSES OF WATER

BV Labs ID		PXQ937		PXQ938		PXQ939			PXQ939		
Sampling Date		2021/06/17 10:41		2021/06/17 10:56		2021/06/17 11:13			2021/06/17 11:13		
COC Number		n/a		n/a		n/a			n/a		
	UNITS	MEL-SR-1	QC Batch	MEL-SR-7-US	QC Batch	MEL-SR-7	RDL	QC Batch	MEL-SR-7 Lab-Dup	RDL	QC Batch
<b>Inorganics</b>											
Total Ammonia-N	mg/L	<0.050	7433425	<0.050	7433425	<0.050	0.050	7433425			
Total Dissolved Solids	mg/L	430	7431992	240	7432069	320	10	7431985			
Fluoride (F-)	mg/L	0.10	7431761	0.10	7431761	<0.10	0.10	7431761			
Orthophosphate (P)	mg/L	<0.010	7431785	<0.010	7431785	<0.010	0.010	7431785			
pH	pH	8.12	7431776	8.03	7431776	8.06		7431776			
Total Phosphorus	mg/L	<0.020	7433512	<0.020	7433512	<0.020	0.020	7433512			
Total Suspended Solids	mg/L	1	7431648	16	7431666	1	1	7431648			
Dissolved Sulphate (SO4)	mg/L	86	7431786	53	7431786	59	1.0	7431786			
Total Cyanide (CN)	mg/L	<0.0050	7436098	<0.0050	7436098	<0.0050	0.0050	7436098			
Turbidity	NTU	<0.1	7431732	0.9	7431732	1.8	0.1	7431732	1.6	0.1	7431732
Alkalinity (Total as CaCO3)	mg/L	150	7431774	72	7431774	110	1.0	7431774			
Dissolved Chloride (Cl-)	mg/L	120	7431782	61	7431782	70	1.0	7431782			
Nitrite (N)	mg/L	<0.010	7431840	<0.010	7431840	<0.010	0.010	7431840			
Nitrate (N)	mg/L	0.12	7431840	0.22	7431840	<0.10	0.10	7431840			
Nitrate + Nitrite (N)	mg/L	0.12	7431840	0.22	7431840	<0.10	0.10	7431840			
<b>Petroleum Hydrocarbons</b>											
Total Oil & Grease	mg/L	<0.50	7432254	<0.50	7432254	<0.50	0.50	7432254			
RDL = Reportable Detection Limit QC Batch = Quality Control Batch Lab-Dup = Laboratory Initiated Duplicate											



BUREAU  
VERITAS

BV Labs Job #: C1H4395  
Report Date: 2021/07/05

Agnico-Eagle  
Site Location: MELIADINE  
Your P.O. #: OL-1006009  
Sampler Initials: DM

## RESULTS OF ANALYSES OF WATER

BV Labs ID		PXQ940			PXQ940		
Sampling Date		2021/06/17 10:00			2021/06/17 10:00		
COC Number		n/a			n/a		
	UNITS	MEL-SR-14	RDL	QC Batch	MEL-SR-14 Lab-Dup	RDL	QC Batch
<b>Inorganics</b>							
Total Ammonia-N	mg/L	<0.050	0.050	7433425			
Total Dissolved Solids	mg/L	310	10	7432069			
Fluoride (F-)	mg/L	0.15	0.10	7431761	0.13	0.10	7431761
Orthophosphate (P)	mg/L	<0.010	0.010	7431785			
pH	pH	8.02		7431776	8.07		7431776
Total Phosphorus	mg/L	<0.020	0.020	7433512			
Total Suspended Solids	mg/L	2	1	7431666			
Dissolved Sulphate (SO4)	mg/L	75	1.0	7431786			
Total Cyanide (CN)	mg/L	<0.0050	0.0050	7436098			
Turbidity	NTU	1.1	0.1	7431732			
Alkalinity (Total as CaCO3)	mg/L	100	1.0	7431774	100	1.0	7431774
Dissolved Chloride (Cl-)	mg/L	66	1.0	7431782			
Nitrite (N)	mg/L	<0.010	0.010	7431840			
Nitrate (N)	mg/L	0.12	0.10	7431840			
Nitrate + Nitrite (N)	mg/L	0.12	0.10	7431840			
<b>Petroleum Hydrocarbons</b>							
Total Oil & Grease	mg/L	<0.50	0.50	7432254			
RDL = Reportable Detection Limit QC Batch = Quality Control Batch Lab-Dup = Laboratory Initiated Duplicate							



BUREAU  
VERITAS

BV Labs Job #: C1H4395  
Report Date: 2021/07/05

Agnico-Eagle  
Site Location: MELIADINE  
Your P.O. #: OL-1006009  
Sampler Initials: DM

### ELEMENTS BY ATOMIC SPECTROSCOPY (WATER)

BV Labs ID		PXQ937		PXQ938		PXQ939	PXQ940		
Sampling Date		2021/06/17 10:41		2021/06/17 10:56		2021/06/17 11:13	2021/06/17 10:00		
COC Number		n/a		n/a		n/a	n/a		
	UNITS	MEL-SR-1	QC Batch	MEL-SR-7-US	QC Batch	MEL-SR-7	MEL-SR-14	RDL	QC Batch
<b>Metals</b>									
Mercury (Hg)	mg/L	<0.00001	7433884	0.00035	7435700	<0.00001	<0.00001	0.00001	7433884
RDL = Reportable Detection Limit									
QC Batch = Quality Control Batch									



BV Labs Job #: C1H4395  
Report Date: 2021/07/05

Agnico-Eagle  
Site Location: MELIADINE  
Your P.O. #: OL-1006009  
Sampler Initials: DM

## TEST SUMMARY

**BV Labs ID:** PXQ937  
**Sample ID:** MEL-SR-1  
**Matrix:** Water

**Collected:** 2021/06/17  
**Shipped:**  
**Received:** 2021/06/23

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
Alkalinity	AT	7431774	N/A	2021/06/28	Surinder Rai
Chloride by Automated Colourimetry	KONE	7431782	N/A	2021/06/28	Alina Dobreanu
Total Cyanide	SKAL/CN	7436098	2021/06/29	2021/06/29	Aditiben Patel
Fluoride	ISE	7431761	2021/06/26	2021/06/28	Surinder Rai
Mercury (low level)	CV/AA	7433884	2021/06/28	2021/06/28	Medhat Nasr
Hardness Total (calculated as CaCO <sub>3</sub> )	CALC	7439926	N/A	2021/07/01	Automated Statchk
Na, K, Ca, Mg, S by CRC ICPMS (total)	ICP	7439927	2021/07/01	2021/07/01	Automated Statchk
Elements by CRC ICPMS (total)	ICP/MS	7441642	2021/06/29	2021/07/01	Jeffrey Laporte
Total Ammonia-N	LACH/NH <sub>4</sub>	7433425	N/A	2021/06/30	Amanpreet Sappal
Nitrate (NO <sub>3</sub> ) and Nitrite (NO <sub>2</sub> ) in Water	LACH	7431840	N/A	2021/06/29	Chandra Nandlal
Total Oil and Grease	BAL	7432254	2021/06/27	2021/06/27	Mitul Patel
pH	AT	7431776	2021/06/26	2021/06/28	Surinder Rai
Orthophosphate	KONE	7431785	N/A	2021/06/30	Avneet Kour Sudan
Sulphate by Automated Colourimetry	KONE	7431786	N/A	2021/06/28	Alina Dobreanu
Total Dissolved Solids	BAL	7431992	2021/06/26	2021/06/28	Shivani Desai
Total Phosphorus (Colourimetric)	LACH/P	7433512	2021/06/29	2021/06/29	Shivani Shivani
Low Level Total Suspended Solids	BAL	7431648	2021/06/26	2021/06/28	Shivani Desai
Turbidity	AT	7431732	N/A	2021/06/28	Khushbu Vijay kumar Patel

**BV Labs ID:** PXQ938  
**Sample ID:** MEL-SR-7-US  
**Matrix:** Water

**Collected:** 2021/06/17  
**Shipped:**  
**Received:** 2021/06/23

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
Alkalinity	AT	7431774	N/A	2021/06/28	Surinder Rai
Chloride by Automated Colourimetry	KONE	7431782	N/A	2021/06/28	Alina Dobreanu
Total Cyanide	SKAL/CN	7436098	2021/06/29	2021/06/29	Aditiben Patel
Fluoride	ISE	7431761	2021/06/26	2021/06/28	Surinder Rai
Mercury (low level)	CV/AA	7435700	2021/06/29	2021/06/29	Gagandeep Rai
Hardness Total (calculated as CaCO <sub>3</sub> )	CALC	7439926	N/A	2021/07/01	Automated Statchk
Na, K, Ca, Mg, S by CRC ICPMS (total)	ICP	7439927	2021/07/01	2021/07/01	Automated Statchk
Elements by CRC ICPMS (total)	ICP/MS	7441642	2021/06/29	2021/07/01	Jeffrey Laporte
Total Ammonia-N	LACH/NH <sub>4</sub>	7433425	N/A	2021/06/30	Amanpreet Sappal
Nitrate (NO <sub>3</sub> ) and Nitrite (NO <sub>2</sub> ) in Water	LACH	7431840	N/A	2021/06/29	Chandra Nandlal
Total Oil and Grease	BAL	7432254	2021/06/27	2021/06/27	Mitul Patel
pH	AT	7431776	2021/06/26	2021/06/28	Surinder Rai
Orthophosphate	KONE	7431785	N/A	2021/06/30	Avneet Kour Sudan
Sulphate by Automated Colourimetry	KONE	7431786	N/A	2021/06/28	Alina Dobreanu
Total Dissolved Solids	BAL	7432069	2021/06/28	2021/06/29	Shaneil Hall
Total Phosphorus (Colourimetric)	LACH/P	7433512	2021/06/29	2021/06/29	Shivani Shivani
Low Level Total Suspended Solids	BAL	7431666	2021/06/26	2021/06/28	Sandeep Kaur
Turbidity	AT	7431732	N/A	2021/06/28	Khushbu Vijay kumar Patel



BV Labs Job #: C1H4395  
Report Date: 2021/07/05

Agnico-Eagle  
Site Location: MELIADINE  
Your P.O. #: OL-1006009  
Sampler Initials: DM

## TEST SUMMARY

**BV Labs ID:** PXQ939  
**Sample ID:** MEL-SR-7  
**Matrix:** Water

**Collected:** 2021/06/17  
**Shipped:**  
**Received:** 2021/06/23

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
Alkalinity	AT	7431774	N/A	2021/06/28	Surinder Rai
Chloride by Automated Colourimetry	KONE	7431782	N/A	2021/06/28	Alina Dobreanu
Total Cyanide	SKAL/CN	7436098	2021/06/29	2021/06/29	Aditiben Patel
Fluoride	ISE	7431761	2021/06/26	2021/06/28	Surinder Rai
Mercury (low level)	CV/AA	7433884	2021/06/28	2021/06/28	Medhat Nasr
Hardness Total (calculated as CaCO <sub>3</sub> )	CALC	7439926	N/A	2021/07/01	Automated Statchk
Na, K, Ca, Mg, S by CRC ICPMS (total)	ICP	7439927	2021/07/01	2021/07/01	Automated Statchk
Elements by CRC ICPMS (total)	ICP/MS	7441642	2021/06/29	2021/07/01	Jeffrey Laporte
Total Ammonia-N	LACH/NH <sub>4</sub>	7433425	N/A	2021/06/30	Amanpreet Sappal
Nitrate (NO <sub>3</sub> ) and Nitrite (NO <sub>2</sub> ) in Water	LACH	7431840	N/A	2021/06/29	Chandra Nandlal
Total Oil and Grease	BAL	7432254	2021/06/27	2021/06/27	Mitul Patel
pH	AT	7431776	2021/06/26	2021/06/28	Surinder Rai
Orthophosphate	KONE	7431785	N/A	2021/06/30	Avneet Kour Sudan
Sulphate by Automated Colourimetry	KONE	7431786	N/A	2021/06/28	Alina Dobreanu
Total Dissolved Solids	BAL	7431985	2021/06/26	2021/06/28	Shivani Desai
Total Phosphorus (Colourimetric)	LACH/P	7433512	2021/06/29	2021/06/29	Shivani Shivani
Low Level Total Suspended Solids	BAL	7431648	2021/06/26	2021/06/28	Shivani Desai
Turbidity	AT	7431732	N/A	2021/06/28	Khushbu Vijay kumar Patel

**BV Labs ID:** PXQ939 Dup  
**Sample ID:** MEL-SR-7  
**Matrix:** Water

**Collected:** 2021/06/17  
**Shipped:**  
**Received:** 2021/06/23

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
Turbidity	AT	7431732	N/A	2021/06/28	Khushbu Vijay kumar Patel

**BV Labs ID:** PXQ940  
**Sample ID:** MEL-SR-14  
**Matrix:** Water

**Collected:** 2021/06/17  
**Shipped:**  
**Received:** 2021/06/23

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
Alkalinity	AT	7431774	N/A	2021/06/28	Surinder Rai
Chloride by Automated Colourimetry	KONE	7431782	N/A	2021/06/28	Alina Dobreanu
Total Cyanide	SKAL/CN	7436098	2021/06/29	2021/06/29	Aditiben Patel
Fluoride	ISE	7431761	2021/06/26	2021/06/28	Surinder Rai
Mercury (low level)	CV/AA	7433884	2021/06/28	2021/06/28	Medhat Nasr
Hardness Total (calculated as CaCO <sub>3</sub> )	CALC	7439926	N/A	2021/07/01	Automated Statchk
Na, K, Ca, Mg, S by CRC ICPMS (total)	ICP	7439927	2021/07/01	2021/07/01	Automated Statchk
Elements by CRC ICPMS (total)	ICP/MS	7441642	2021/06/29	2021/07/01	Jeffrey Laporte
Total Ammonia-N	LACH/NH <sub>4</sub>	7433425	N/A	2021/06/30	Amanpreet Sappal
Nitrate (NO <sub>3</sub> ) and Nitrite (NO <sub>2</sub> ) in Water	LACH	7431840	N/A	2021/06/29	Chandra Nandlal
Total Oil and Grease	BAL	7432254	2021/06/27	2021/06/27	Mitul Patel
pH	AT	7431776	2021/06/26	2021/06/28	Surinder Rai
Orthophosphate	KONE	7431785	N/A	2021/06/30	Avneet Kour Sudan
Sulphate by Automated Colourimetry	KONE	7431786	N/A	2021/06/28	Alina Dobreanu



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VERITAS

BV Labs Job #: C1H4395

Report Date: 2021/07/05

Agnico-Eagle

Site Location: MELIADINE

Your P.O. #: OL-1006009

Sampler Initials: DM

## TEST SUMMARY

**BV Labs ID:** PXQ940  
**Sample ID:** MEL-SR-14  
**Matrix:** Water

**Collected:** 2021/06/17  
**Shipped:**  
**Received:** 2021/06/23

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
Total Dissolved Solids	BAL	7432069	2021/06/28	2021/06/29	Shaneil Hall
Total Phosphorus (Colourimetric)	LACH/P	7433512	2021/06/29	2021/06/29	Shivani Shivani
Low Level Total Suspended Solids	BAL	7431666	2021/06/26	2021/06/28	Sandeep Kaur
Turbidity	AT	7431732	N/A	2021/06/28	Khushbu Vijay kumar Patel

**BV Labs ID:** PXQ940 Dup  
**Sample ID:** MEL-SR-14  
**Matrix:** Water

**Collected:** 2021/06/17  
**Shipped:**  
**Received:** 2021/06/23

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
Alkalinity	AT	7431774	N/A	2021/06/28	Surinder Rai
Fluoride	ISE	7431761	2021/06/26	2021/06/28	Surinder Rai
pH	AT	7431776	2021/06/26	2021/06/28	Surinder Rai



BUREAU  
VERITAS

BV Labs Job #: C1H4395

Report Date: 2021/07/05

Agnico-Eagle

Site Location: MELIADINE

Your P.O. #: OL-1006009

Sampler Initials: DM

### GENERAL COMMENTS

Each temperature is the average of up to three cooler temperatures taken at receipt

Package 1	13.3°C
Package 2	1.0°C

Results relate only to the items tested.

BUREAU  
VERITASBV Labs Job #: C1H4395  
Report Date: 2021/07/05

## QUALITY ASSURANCE REPORT

Agnico-Eagle  
Site Location: MELIADINE  
Your P.O. #: OL-1006009  
Sampler Initials: DM

QC Batch	Parameter	Date	Matrix Spike		SPIKED BLANK		Method Blank		RPD		QC Standard	
			% Recovery	QC Limits	% Recovery	QC Limits	Value	UNITS	Value (%)	QC Limits	% Recovery	QC Limits
7431648	Total Suspended Solids	2021/06/28					<1	mg/L	0	25	101	85 - 115
7431666	Total Suspended Solids	2021/06/28					<1	mg/L	0	25	95	85 - 115
7431732	Turbidity	2021/06/28			98	85 - 115	<0.1	NTU	14	20		
7431761	Fluoride (F-)	2021/06/28	108	80 - 120	98	80 - 120	<0.10	mg/L	17	20		
7431774	Alkalinity (Total as CaCO3)	2021/06/28			99	85 - 115	<1.0	mg/L	1.3	20		
7431776	pH	2021/06/28			102	98 - 103			0.68	N/A		
7431782	Dissolved Chloride (Cl-)	2021/06/28	NC	80 - 120	101	80 - 120	<1.0	mg/L	0.80	20		
7431785	Orthophosphate (P)	2021/06/30	106	75 - 125	102	80 - 120	<0.010	mg/L	NC	25		
7431786	Dissolved Sulphate (SO4)	2021/06/28	104	75 - 125	103	80 - 120	<1.0	mg/L	2.4	20		
7431840	Nitrate (N)	2021/06/29	105	80 - 120	105	80 - 120	<0.10	mg/L	0.51	20		
7431840	Nitrite (N)	2021/06/29	104	80 - 120	104	80 - 120	<0.010	mg/L	1.6	20		
7431985	Total Dissolved Solids	2021/06/28					<10	mg/L	4.7	25	97	90 - 110
7431992	Total Dissolved Solids	2021/06/28					<10	mg/L	0	25	98	90 - 110
7432069	Total Dissolved Solids	2021/06/29					<10	mg/L	6.9	25	95	90 - 110
7432254	Total Oil & Grease	2021/06/27			98	85 - 115	<0.50	mg/L	1.0	25		
7433425	Total Ammonia-N	2021/06/30	95	75 - 125	102	80 - 120	<0.050	mg/L				
7433512	Total Phosphorus	2021/06/29	101	80 - 120	98	80 - 120	<0.020	mg/L	0.26	20	99	80 - 120
7433884	Mercury (Hg)	2021/06/28	98	75 - 125	98	80 - 120	<0.00001	mg/L	NC	20		
7435700	Mercury (Hg)	2021/06/29	101	75 - 125	100	80 - 120	<0.00001	mg/L	NC	20		
7436098	Total Cyanide (CN)	2021/06/29	90	80 - 120	99	80 - 120	<0.0050	mg/L	1.6	20		
7441642	Total Aluminum (Al)	2021/07/01	102	80 - 120	101	80 - 120	<0.0030	mg/L				
7441642	Total Antimony (Sb)	2021/07/01	106	80 - 120	103	80 - 120	<0.00050	mg/L				
7441642	Total Arsenic (As)	2021/07/01	103	80 - 120	100	80 - 120	<0.00010	mg/L	4.4	20		
7441642	Total Barium (Ba)	2021/07/01	106	80 - 120	102	80 - 120	<0.0010	mg/L				
7441642	Total Beryllium (Be)	2021/07/01	97	80 - 120	96	80 - 120	<0.00010	mg/L				
7441642	Total Bismuth (Bi)	2021/07/01	100	80 - 120	102	80 - 120	<0.0010	mg/L				
7441642	Total Boron (B)	2021/07/01	99	80 - 120	97	80 - 120	<0.050	mg/L				
7441642	Total Cadmium (Cd)	2021/07/01	103	80 - 120	102	80 - 120	<0.000010	mg/L				
7441642	Total Chromium (Cr)	2021/07/01	101	80 - 120	101	80 - 120	<0.0010	mg/L				
7441642	Total Cobalt (Co)	2021/07/01	101	80 - 120	102	80 - 120	<0.00020	mg/L				
7441642	Total Copper (Cu)	2021/07/01	100	80 - 120	99	80 - 120	<0.00050	mg/L	0.029	20		
7441642	Total Iron (Fe)	2021/07/01	103	80 - 120	104	80 - 120	<0.010	mg/L				

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BV Labs Job #: C1H4395

Report Date: 2021/07/05

## QUALITY ASSURANCE REPORT(CONT'D)

Agnico-Eagle

Site Location: MELIADINE

Your P.O. #: OL-1006009

Sampler Initials: DM

QC Batch	Parameter	Date	Matrix Spike		SPIKED BLANK		Method Blank		RPD		QC Standard	
			% Recovery	QC Limits	% Recovery	QC Limits	Value	UNITS	Value (%)	QC Limits	% Recovery	QC Limits
7441642	Total Lead (Pb)	2021/07/01	104	80 - 120	104	80 - 120	<0.00020	mg/L	NC	20		
7441642	Total Lithium (Li)	2021/07/01	92	80 - 120	95	80 - 120	<0.0020	mg/L				
7441642	Total Manganese (Mn)	2021/07/01	NC	80 - 120	101	80 - 120	<0.0010	mg/L				
7441642	Total Molybdenum (Mo)	2021/07/01	110	80 - 120	105	80 - 120	<0.0010	mg/L				
7441642	Total Nickel (Ni)	2021/07/01	100	80 - 120	100	80 - 120	<0.0010	mg/L	1.9	20		
7441642	Total Selenium (Se)	2021/07/01	105	80 - 120	105	80 - 120	<0.00010	mg/L				
7441642	Total Silicon (Si)	2021/07/01	97	80 - 120	100	80 - 120	<0.10	mg/L				
7441642	Total Silver (Ag)	2021/07/01	102	80 - 120	101	80 - 120	<0.000020	mg/L				
7441642	Total Strontium (Sr)	2021/07/01	NC	80 - 120	103	80 - 120	<0.0010	mg/L				
7441642	Total Thallium (Tl)	2021/07/01	102	80 - 120	102	80 - 120	<0.000010	mg/L				
7441642	Total Tin (Sn)	2021/07/01	103	80 - 120	103	80 - 120	<0.0050	mg/L				
7441642	Total Titanium (Ti)	2021/07/01	104	80 - 120	103	80 - 120	<0.0050	mg/L				
7441642	Total Uranium (U)	2021/07/01	106	80 - 120	106	80 - 120	<0.00010	mg/L				
7441642	Total Vanadium (V)	2021/07/01	103	80 - 120	101	80 - 120	<0.0050	mg/L				
7441642	Total Zinc (Zn)	2021/07/01	103	80 - 120	102	80 - 120	<0.0050	mg/L	4.5	20		
7441642	Total Zirconium (Zr)	2021/07/01	105	80 - 120	105	80 - 120	<0.00010	mg/L				

N/A = Not Applicable

Duplicate: Paired analysis of a separate portion of the same sample. Used to evaluate the variance in the measurement.

Matrix Spike: A sample to which a known amount of the analyte of interest has been added. Used to evaluate sample matrix interference.

QC Standard: A sample of known concentration prepared by an external agency under stringent conditions. Used as an independent check of method accuracy.

Spiked Blank: A blank matrix sample to which a known amount of the analyte, usually from a second source, has been added. Used to evaluate method accuracy.

Method Blank: A blank matrix containing all reagents used in the analytical procedure. Used to identify laboratory contamination.

NC (Matrix Spike): The recovery in the matrix spike was not calculated. The relative difference between the concentration in the parent sample and the spike amount was too small to permit a reliable recovery calculation (matrix spike concentration was less than the native sample concentration)

NC (Duplicate RPD): The duplicate RPD was not calculated. The concentration in the sample and/or duplicate was too low to permit a reliable RPD calculation (absolute difference  $\leq 2 \times$  RDL).



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VERITAS

BV Labs Job #: C1H4395

Report Date: 2021/07/05

Agnico-Eagle

Site Location: MELIADINE

Your P.O. #: OL-1006009

Sampler Initials: DM

### VALIDATION SIGNATURE PAGE

The analytical data and all QC contained in this report were reviewed and validated by:

Anastassia Hamanov, Scientific Specialist

David Huang, BBY Scientific Specialist

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BV Labs has procedures in place to guard against improper use of the electronic signature and have the required "signatories", as per ISO/IEC 17025, signing the reports. For Service Group specific validation please refer to the Validation Signature Page.



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VERITAS

BV Labs Job #: C1H4395

Report Date: 2021/07/05

Agnico-Eagle

Site Location: MELIADINE

Your P.O. #: OL-1006009

Sampler Initials: DM

**Exceedance Summary Table – Metal Mining Effluent Reg**  
**Result Exceedances**

Sample ID	BV Labs ID	Parameter	Criteria	Result	DL	UNITS
No Exceedances						
The exceedance summary table is for information purposes only and should not be considered a comprehensive listing or statement of conformance to applicable regulatory guidelines.						