

Follow Up Report: #21-443

October 4th, 2021 – MEL-SR1 and MEL-SR7

Surface Water Runoff



The following information refers to a potential incident reported by Agnico Eagle Mines Ltd. on October 5th, 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:

After a heavy rainfall event that occurred on October 4th, 2021, surface runoff water was observed at sampling station MEL-SR7 (an internal sampling location that does not flow off-site) located on the north side of the sea-can lay down at Itivia. The surface runoff from Mel-SR7 passes through the Itivia site and sediment is managed by two check dams before flowing into MEL-SR1 and offsite. Samples were collected for laboratory analysis at both areas to assess the Total Suspended Solids (TSS) concentration. Upon visual inspection of the area and after completing sampling, Agnico Eagle decided not to wait for external results and reported the event immediately as due diligence for a possible TSS exceedance.

Laboratory results were received on October 21st and a concentration of 250 mg/L TSS was measured at MEL-SR7 and 40 mg/L at MEL-SR1.

The sampling location referred to as MEL-SR7 (62° 47' 60" N, 92° 5' 34", (Figure 1) showed elevated TSS results. This runoff is filtered through check dams and sediment control logs reducing TSS concentrations to 40 mg/L at the receiving MEL-SR1 sampling point; consequently, no impact on water bodies was made. The initial spill report was sent as a precaution to ensure all stakeholders were notified of the situation.



Figure 1: Sample location MEL-SR1 and MEL-SR7 at Itivia

Potential exceedance probable root cause

Sampling station MEL-SR7 is located downstream to an exit of a culvert from the Hamlet of Rankin Inlet which allows the runoff coming from the north side of the road to flow to the southeast in a ditch towards MEL-SR1

The Hydrogeology specialist who carried out the sampling on October 4th, 2021, made the following observations:

- The water flowing at MEL-SR7 appeared turbid
- Vegetation appeared to be in the flow of water coming downstream
- The flow at the MEL-SR7 sampling station was heavy due to a recent on-going rainfall event

All surface run off in the area is closely monitored during routine inspections and following heavy rainfall events to ensure to minimize TSS reaching Melvin Bay. MEL-SR7 and MEL-SR1 were sampled again on October 5th, 2021. Results showed TSS concentrations of 4 mg/L for MEL-SR7 and 16 mg/L for MEL-SR1, respectively. Certificate of analysis for the October 4th and October 5th sampling events are attached in Appendix A.

Corrective Measures





This event was reported as due diligence and no exceedances in receiving environments were noted upon reception of external sampling results. Agnico Eagle remains committed to ensuring any concerns are reported without delay through regulatory channels and to protect any receiving water body from being impacted.



Brett Fairbairn | Environment Coordinator

brett.fairbairn@agnicoeagle.com | Direct 819.759.3555 x4603996 |

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

agnicoeagle.com    

Sent from Meliadine

Appendix A – Certificates of Analysis

October 4, 2021 - Analytical Results



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: 2021/10/21
 Report #: R6862364
 Version: 1 - Final

CERTIFICATE OF ANALYSIS

BV LABS JOB #: C1T3734

Received: 2021/10/07, 14:40

Sample Matrix: Water
 # Samples Received: 5

Analyses	Quantity	Date Extracted	Date Analyzed	Laboratory Method	Analytical Method
Alkalinity (1)	4	N/A	2021/10/14	CAM SOP-00448	SM 23 2320 B m
Alkalinity (1)	1	N/A	2021/10/15	CAM SOP-00448	SM 23 2320 B m
Chloride by Automated Colourimetry (1)	4	N/A	2021/10/14	CAM SOP-00463	SM 23 4500-Cl E m
Chloride by Automated Colourimetry (1)	1	N/A	2021/10/15	CAM SOP-00463	SM 23 4500-Cl E m
Total Cyanide (1)	5	2021/10/13	2021/10/13	CAM SOP-00457	OMOE E3015 5 m
Fluoride (1)	4	2021/10/13	2021/10/14	CAM SOP-00449	SM 23 4500-F C m
Fluoride (1)	1	2021/10/14	2021/10/15	CAM SOP-00449	SM 23 4500-F C m
Mercury (low level) (1)	1	2021/10/14	2021/10/14	CAM SOP-00453	EPA 7470 m
Mercury (low level) (1)	4	2021/10/14	2021/10/15	CAM SOP-00453	EPA 7470 m
Hardness Total (calculated as CaCO ₃) (2, 4)	5	N/A	2021/10/19	BBY WI-00033	Auto Calc
Hardness (calculated as CaCO ₃) (2)	4	N/A	2021/10/19	BBY WI-00033	Auto Calc
Hardness (calculated as CaCO ₃) (2)	1	N/A	2021/10/20	BBY WI-00033	Auto Calc
Na, K, Ca, Mg, S by CRC ICPMS (diss.) (2)	4	N/A	2021/10/19	BBY7SOP-00002	EPA 6020B R2 m
Na, K, Ca, Mg, S by CRC ICPMS (diss.) (2)	1	N/A	2021/10/20	BBY7SOP-00002	EPA 6020B R2 m
Elements by CRC ICPMS (dissolved) (2)	4	N/A	2021/10/19	BBY7SOP-00002	EPA 6020B R2 m
Elements by CRC ICPMS (dissolved) (2)	1	N/A	2021/10/20	BBY7SOP-00002	EPA 6020B R2 m
Na, K, Ca, Mg, S by CRC ICPMS (total) (2)	5	2021/10/12	2021/10/19	BBY7SOP-00002	EPA 6020B R2 m
Elements by CRC ICPMS (total) (2)	5	2021/10/18	2021/10/19	BBY7SOP-00003/ BBY7SOEPA 6020B R2 m -00002	
Silica (Reactive) (3)	5	N/A	2021/10/17	AB SOP-00011	EPA370.1 R1978 m
Total Ammonia-N (1)	5	N/A	2021/10/14	CAM SOP-00441	USGS I-2522-90 m
Nitrate & Nitrite as Nitrogen in Water (1, 5)	4	N/A	2021/10/14	CAM SOP-00440	SM 23 4500-NO3I/NO2B
Nitrate & Nitrite as Nitrogen in Water (1, 5)	1	N/A	2021/10/15	CAM SOP-00440	SM 23 4500-NO3I/NO2B
Total Oil and Grease (1)	5	2021/10/15	2021/10/15	CAM SOP-00326	EPA1664B m,SM5520B m
pH (1)	4	2021/10/13	2021/10/14	CAM SOP-00413	SM 4500H+ B m
pH (1)	1	2021/10/14	2021/10/15	CAM SOP-00413	SM 4500H+ B m
Orthophosphate (1)	4	N/A	2021/10/14	CAM SOP-00461	EPA 365.1 m
Orthophosphate (1)	1	N/A	2021/10/15	CAM SOP-00461	EPA 365.1 m
Sulphate by Automated Colourimetry (1)	4	N/A	2021/10/14	CAM SOP-00464	EPA 375.4 m
Sulphate by Automated Colourimetry (1)	1	N/A	2021/10/15	CAM SOP-00464	EPA 375.4 m
Calculated Total Dissolved Solids (1)	5	N/A	2021/10/21		Auto Calc



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: 2021/10/21
 Report #: R6862364
 Version: 1 - Final

CERTIFICATE OF ANALYSIS

BV LABS JOB #: C1T3734

Received: 2021/10/07, 14:40

Sample Matrix: Water
 # Samples Received: 5

Analyses	Quantity	Date Extracted	Date Analyzed	Laboratory Method	Analytical Method
Total Dissolved Solids (1)	5	2021/10/13	2021/10/14	CAM SOP-00428	SM 23 2540C m
Total Phosphorus (Colourimetric) (1)	5	2021/10/13	2021/10/14	CAM SOP-00407	SM 23 4500 P B H m
Low Level Total Suspended Solids (1)	2	2021/10/13	2021/10/14	CAM SOP-00428	SM 23 2540D m
Low Level Total Suspended Solids (1)	3	2021/10/14	2021/10/14	CAM SOP-00428	SM 23 2540D m
Turbidity (1)	5	N/A	2021/10/14	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 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, 6740 Campobello Rd , Mississauga, ON, L5N 2L8

(2) This test was performed by Bureau Veritas Burnaby, 4606 Canada Way , Burnaby, BC, V5G 1K5

(3) This test was performed by Bureau Veritas Calgary (19th), 4000 19th Street NE , Calgary, AB, T2E 6P8

(4) "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).

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



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: 2021/10/21
Report #: R6862364
Version: 1 - Final

CERTIFICATE OF ANALYSIS

BV LABS JOB #: C1T3734

Received: 2021/10/07, 14:40

Encryption Key

Katherine Szozda

Katherine Szozda
Project Manager
21 Oct 2021 11:32:46

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

Bureau Veritas Job #: C1T3734

Report Date: 2021/10/21

Agnico-Eagle

Site Location: MELIADINE

Your P.O. #: OL-1006009

Sampler Initials: AH

DISS. ICPMS METALS FOR FEDERAL INT. GWQG (WATER)

Bureau Veritas ID		QWU933	QWU934		QWU935		
Sampling Date		2021/10/04 14:15	2021/10/04 14:40		2021/10/04 15:04		
COC Number		N/A	N/A		N/A		
	UNITS	MEL-SR7	MEL-SR7US	QC Batch	MEL-SR1	RDL	QC Batch
Calculated Parameters							
Dissolved Hardness (CaCO ₃)	mg/L	150	166	7643360	261	0.50	7643360
Metals							
Dissolved Aluminum (Al)	mg/L	0.0457	0.0574	7647267	0.0247	0.0030	7650408
Dissolved Antimony (Sb)	mg/L	<0.00050	<0.00050	7647267	<0.00050	0.00050	7650408
Dissolved Arsenic (As)	mg/L	0.00134	0.00074	7647267	0.00200	0.00010	7650408
Dissolved Barium (Ba)	mg/L	0.0215	0.0412	7647267	0.0367	0.0010	7650408
Dissolved Beryllium (Be)	mg/L	<0.00010	<0.00010	7647267	<0.00010	0.00010	7650408
Dissolved Bismuth (Bi)	mg/L	<0.0010	<0.0010	7647267	<0.0010	0.0010	7650408
Dissolved Boron (B)	mg/L	<0.050	<0.050	7647267	<0.050	0.050	7650408
Dissolved Cadmium (Cd)	mg/L	<0.000010	<0.000010	7647267	<0.000010	0.000010	7650408
Dissolved Chromium (Cr)	mg/L	<0.0010	<0.0010	7647267	<0.0010	0.0010	7650408
Dissolved Cobalt (Co)	mg/L	<0.00020	<0.00020	7647267	<0.00020	0.00020	7650408
Dissolved Copper (Cu)	mg/L	0.00106	0.00360	7647267	0.00267	0.00020	7650408
Dissolved Iron (Fe)	mg/L	<0.0050	0.0088	7647267	<0.0050	0.0050	7650408
Dissolved Lead (Pb)	mg/L	<0.00020	<0.00020	7647267	<0.00020	0.00020	7650408
Dissolved Lithium (Li)	mg/L	0.0210	0.0041	7647267	0.0119	0.0020	7650408
Dissolved Manganese (Mn)	mg/L	0.0239	0.0132	7647267	0.0012	0.0010	7650408
Dissolved Molybdenum (Mo)	mg/L	<0.0010	<0.0010	7647267	0.0010	0.0010	7650408
Dissolved Nickel (Ni)	mg/L	<0.0010	0.0024	7647267	0.0051	0.0010	7650408
Dissolved Selenium (Se)	mg/L	<0.00010	<0.00010	7647267	<0.00010	0.00010	7650408
Dissolved Silicon (Si)	mg/L	0.91	1.38	7647267	1.07	0.10	7650408
Dissolved Silver (Ag)	mg/L	<0.000020	<0.000020	7647267	<0.000020	0.000020	7650408
Dissolved Strontium (Sr)	mg/L	0.340	0.247	7647267	0.424	0.0010	7650408
Dissolved Thallium (Tl)	mg/L	0.000019	0.000011	7647267	<0.000010	0.000010	7650408
Dissolved Tin (Sn)	mg/L	<0.0050	<0.0050	7647267	<0.0050	0.0050	7650408
Dissolved Titanium (Ti)	mg/L	<0.0050	<0.0050	7647267	<0.0050	0.0050	7650408
Dissolved Uranium (U)	mg/L	0.00065	0.00128	7647267	0.00181	0.00010	7650408
Dissolved Vanadium (V)	mg/L	<0.0050	<0.0050	7647267	<0.0050	0.0050	7650408
Dissolved Zinc (Zn)	mg/L	<0.0050	<0.0050	7647267	<0.0050	0.0050	7650408
Dissolved Zirconium (Zr)	mg/L	<0.00010	<0.00010	7647267	0.00010	0.00010	7650408
Dissolved Calcium (Ca)	mg/L	45.0	53.2	7643361	81.4	0.050	7643361
RDL = Reportable Detection Limit							
QC Batch = Quality Control Batch							



BUREAU
VERITAS

Bureau Veritas Job #: C1T3734

Report Date: 2021/10/21

Agnico-Eagle

Site Location: MELIADINE

Your P.O. #: OL-1006009

Sampler Initials: AH

DISS. ICPMS METALS FOR FEDERAL INT. GWQG (WATER)

Bureau Veritas ID		QWU933	QWU934		QWU935		
Sampling Date		2021/10/04 14:15	2021/10/04 14:40		2021/10/04 15:04		
COC Number		N/A	N/A		N/A		
	UNITS	MEL-SR7	MEL-SR7US	QC Batch	MEL-SR1	RDL	QC Batch
Dissolved Magnesium (Mg)	mg/L	9.01	8.01	7643361	14.1	0.050	7643361
Dissolved Potassium (K)	mg/L	5.51	7.09	7643361	8.13	0.050	7643361
Dissolved Sodium (Na)	mg/L	34.4	31.9	7643361	50.5	0.050	7643361
Dissolved Sulphur (S)	mg/L	20.0	14.7	7643361	36.4	3.0	7643361
RDL = Reportable Detection Limit							
QC Batch = Quality Control Batch							



BUREAU
VERITAS

Bureau Veritas Job #: C1T3734

Report Date: 2021/10/21

Agnico-Eagle

Site Location: MELIADINE

Your P.O. #: OL-1006009

Sampler Initials: AH

DISS. ICPMS METALS FOR FEDERAL INT. GWQG (WATER)

Bureau Veritas ID		QWU935			QWU936	QWU937		
Sampling Date		2021/10/04 15:04			2021/10/04 15:26	2021/10/04 14:58		
COC Number		N/A			N/A	N/A		
	UNITS	MEL-SR1 Lab-Dup	RDL	QC Batch	MEL-SR13	MEL-SR1US	RDL	QC Batch

Calculated Parameters								
Dissolved Hardness (CaCO ₃)	mg/L				300	204	0.50	7643360

Metals								
Dissolved Aluminum (Al)	mg/L	0.0249	0.0030	7650408	0.0043	0.0463	0.0030	7647267
Dissolved Antimony (Sb)	mg/L	<0.00050	0.00050	7650408	<0.00050	0.00051	0.00050	7647267
Dissolved Arsenic (As)	mg/L	0.00200	0.00010	7650408	0.00051	0.00159	0.00010	7647267
Dissolved Barium (Ba)	mg/L	0.0365	0.0010	7650408	0.0279	0.0292	0.0010	7647267
Dissolved Beryllium (Be)	mg/L	<0.00010	0.00010	7650408	<0.00010	<0.00010	0.00010	7647267
Dissolved Bismuth (Bi)	mg/L	<0.0010	0.0010	7650408	<0.0010	<0.0010	0.0010	7647267
Dissolved Boron (B)	mg/L	<0.050	0.050	7650408	0.057	0.095	0.050	7647267
Dissolved Cadmium (Cd)	mg/L	<0.000010	0.000010	7650408	<0.000010	0.000016	0.000010	7647267
Dissolved Chromium (Cr)	mg/L	<0.0010	0.0010	7650408	<0.0010	<0.0010	0.0010	7647267
Dissolved Cobalt (Co)	mg/L	<0.00020	0.00020	7650408	<0.00020	0.00029	0.00020	7647267
Dissolved Copper (Cu)	mg/L	0.00269	0.00020	7650408	0.00354	0.00306	0.00020	7647267
Dissolved Iron (Fe)	mg/L	0.0052	0.0050	7650408	0.0096	<0.0050	0.0050	7647267
Dissolved Lead (Pb)	mg/L	<0.00020	0.00020	7650408	<0.00020	<0.00020	0.00020	7647267
Dissolved Lithium (Li)	mg/L	0.0121	0.0020	7650408	0.0059	0.0051	0.0020	7647267
Dissolved Manganese (Mn)	mg/L	0.0013	0.0010	7650408	0.0012	0.0094	0.0010	7647267
Dissolved Molybdenum (Mo)	mg/L	0.0011	0.0010	7650408	0.0017	0.0026	0.0010	7647267
Dissolved Nickel (Ni)	mg/L	0.0050	0.0010	7650408	0.0026	0.0312	0.0010	7647267
Dissolved Selenium (Se)	mg/L	<0.00010	0.00010	7650408	<0.00010	0.00020	0.00010	7647267
Dissolved Silicon (Si)	mg/L	1.08	0.10	7650408	1.94	1.06	0.10	7647267
Dissolved Silver (Ag)	mg/L	<0.000020	0.000020	7650408	<0.000020	<0.000020	0.000020	7647267
Dissolved Strontium (Sr)	mg/L	0.432	0.0010	7650408	0.332	0.243	0.0010	7647267
Dissolved Thallium (Tl)	mg/L	<0.000010	0.000010	7650408	<0.000010	0.000016	0.000010	7647267
Dissolved Tin (Sn)	mg/L	<0.0050	0.0050	7650408	<0.0050	<0.0050	0.0050	7647267
Dissolved Titanium (Ti)	mg/L	<0.0050	0.0050	7650408	<0.0050	<0.0050	0.0050	7647267
Dissolved Uranium (U)	mg/L	0.00179	0.00010	7650408	0.00282	0.00176	0.00010	7647267
Dissolved Vanadium (V)	mg/L	<0.0050	0.0050	7650408	<0.0050	<0.0050	0.0050	7647267
Dissolved Zinc (Zn)	mg/L	<0.0050	0.0050	7650408	0.0513	<0.0050	0.0050	7647267
Dissolved Zirconium (Zr)	mg/L	<0.00010	0.00010	7650408	<0.00010	<0.00010	0.00010	7647267

RDL = Reportable Detection Limit

QC Batch = Quality Control Batch

Lab-Dup = Laboratory Initiated Duplicate



BUREAU
VERITAS

Bureau Veritas Job #: C1T3734

Report Date: 2021/10/21

Agnico-Eagle

Site Location: MELIADINE

Your P.O. #: OL-1006009

Sampler Initials: AH

DISS. ICPMS METALS FOR FEDERAL INT. GWQG (WATER)

Bureau Veritas ID		QWU935			QWU936	QWU937		
Sampling Date		2021/10/04 15:04			2021/10/04 15:26	2021/10/04 14:58		
COC Number		N/A			N/A	N/A		
	UNITS	MEL-SR1 Lab-Dup	RDL	QC Batch	MEL-SR13	MEL-SR1US	RDL	QC Batch
Dissolved Calcium (Ca)	mg/L				84.4	58.7	0.050	7643361
Dissolved Magnesium (Mg)	mg/L				21.7	13.9	0.050	7643361
Dissolved Potassium (K)	mg/L				9.32	8.60	0.050	7643361
Dissolved Sodium (Na)	mg/L				79.1	65.7	0.050	7643361
Dissolved Sulphur (S)	mg/L				51.4	43.8	3.0	7643361
RDL = Reportable Detection Limit QC Batch = Quality Control Batch Lab-Dup = Laboratory Initiated Duplicate								



BUREAU
VERITAS

Bureau Veritas Job #: C1T3734

Report Date: 2021/10/21

Agnico-Eagle

Site Location: MELIADINE

Your P.O. #: OL-1006009

Sampler Initials: AH

TOTAL ICPMS METALS FOR CCME CEQG FOR SW (WATER)

Bureau Veritas ID		QWU933	QWU934	QWU935	QWU936	QWU937		
Sampling Date		2021/10/04 14:15	2021/10/04 14:40	2021/10/04 15:04	2021/10/04 15:26	2021/10/04 14:58		
COC Number		N/A	N/A	N/A	N/A	N/A		
	UNITS	MEL-SR7	MEL-SR7US	MEL-SR1	MEL-SR13	MEL-SR1US	RDL	QC Batch

Metals								
Total Aluminum (Al)	mg/L	14.9	9.08	1.67	0.0221	7.07	0.0030	7646278
Total Antimony (Sb)	mg/L	<0.00050	<0.00050	<0.00050	<0.00050	0.00057	0.00050	7646278
Total Arsenic (As)	mg/L	0.00975	0.00735	0.00370	0.00052	0.0103	0.00010	7646278
Total Barium (Ba)	mg/L	0.0657	0.141	0.0482	0.0278	0.0893	0.0010	7646278
Total Beryllium (Be)	mg/L	<0.00010	0.00012	<0.00010	<0.00010	<0.00010	0.00010	7646278
Total Bismuth (Bi)	mg/L	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	0.0010	7646278
Total Boron (B)	mg/L	<0.050	<0.050	<0.050	0.055	0.091	0.050	7646278
Total Cadmium (Cd)	mg/L	0.000104	0.000066	0.000016	<0.000010	0.000096	0.000010	7646278
Total Chromium (Cr)	mg/L	0.149	0.0412	0.0111	<0.0010	0.0412	0.0010	7646278
Total Cobalt (Co)	mg/L	0.0170	0.00955	0.00199	<0.00020	0.00821	0.00020	7646278
Total Copper (Cu)	mg/L	0.0397	0.0331	0.00698	0.00378	0.0331	0.00050	7646278
Total Iron (Fe)	mg/L	23.8	13.4	2.69	0.043	11.2	0.010	7646278
Total Lead (Pb)	mg/L	0.00556	0.00520	0.00102	<0.00020	0.00402	0.00020	7646278
Total Lithium (Li)	mg/L	0.0393	0.0165	0.0162	0.0059	0.0140	0.0020	7646278
Total Manganese (Mn)	mg/L	0.371	0.261	0.0517	0.0021	0.180	0.0010	7646278
Total Molybdenum (Mo)	mg/L	<0.0010	<0.0010	0.0011	<0.0010	0.0018	0.0010	7646278
Total Nickel (Ni)	mg/L	0.0542	0.0253	0.0106	0.0026	0.0704	0.0010	7646278
Total Selenium (Se)	mg/L	0.00013	0.00014	<0.00010	<0.00010	0.00031	0.00010	7646278
Total Silicon (Si)	mg/L	22.4	16.0	3.89	1.93	12.0	0.10	7646278
Total Silver (Ag)	mg/L	0.000027	0.000034	<0.000020	<0.000020	0.000029	0.000020	7646278
Total Strontium (Sr)	mg/L	0.348	0.280	0.458	0.327	0.273	0.0010	7646278
Total Thallium (Tl)	mg/L	0.000098	0.000142	0.000027	<0.000010	0.000106	0.000010	7646278
Total Tin (Sn)	mg/L	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	0.0050	7646278
Total Titanium (Ti)	mg/L	0.554	0.526	0.0757	<0.0050	0.353	0.0050	7646278
Total Uranium (U)	mg/L	0.00126	0.00171	0.00197	0.00274	0.00201	0.00010	7646278
Total Vanadium (V)	mg/L	0.0361	0.0255	<0.0050	<0.0050	0.0192	0.0050	7646278
Total Zinc (Zn)	mg/L	0.165	0.0493	0.0185	0.0526	0.0500	0.0050	7646278
Total Zirconium (Zr)	mg/L	0.00118	0.00135	0.00043	<0.00010	0.00104	0.00010	7646278
Total Calcium (Ca)	mg/L	46.5	56.7	87.7	84.5	64.8	0.050	7646347
Total Magnesium (Mg)	mg/L	21.2	13.9	16.1	20.9	18.4	0.050	7646347
Total Potassium (K)	mg/L	6.79	9.94	9.01	9.17	9.83	0.050	7646347

RDL = Reportable Detection Limit

QC Batch = Quality Control Batch



**BUREAU
VERITAS**

Bureau Veritas Job #: C1T3734

Report Date: 2021/10/21

Agnico-Eagle

Site Location: MELIADINE

Your P.O. #: OL-1006009

Sampler Initials: AH

TOTAL ICPMS METALS FOR CCME CEQG FOR SW (WATER)

Bureau Veritas ID		QWU933	QWU934	QWU935	QWU936	QWU937		
Sampling Date		2021/10/04 14:15	2021/10/04 14:40	2021/10/04 15:04	2021/10/04 15:26	2021/10/04 14:58		
COC Number		N/A	N/A	N/A	N/A	N/A		
	UNITS	MEL-SR7	MEL-SR7US	MEL-SR1	MEL-SR13	MEL-SR1US	RDL	QC Batch
Total Sodium (Na)	mg/L	33.6	31.6	54.4	77.4	63.4	0.050	7646347
Total Sulphur (S)	mg/L	18.7	14.5	39.9	48.5	41.3	3.0	7646347
Calculated Parameters								
Total Hardness (CaCO ₃)	mg/L	203	199	285	297	237	0.50	7646309
RDL = Reportable Detection Limit								
QC Batch = Quality Control Batch								



BUREAU
VERITAS

Bureau Veritas Job #: C1T3734
Report Date: 2021/10/21

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

RESULTS OF ANALYSES OF WATER

Bureau Veritas ID		QWU933			QWU934			QWU935		
Sampling Date		2021/10/04 14:15			2021/10/04 14:40			2021/10/04 15:04		
COC Number		N/A			N/A			N/A		
	UNITS	MEL-SR7	RDL	QC Batch	MEL-SR7US	RDL	QC Batch	MEL-SR1	RDL	QC Batch
Calculated Parameters										
Calculated TDS	mg/L	260	1.0	7631691	270	1.0	7631691	450	1.0	7631691
Inorganics										
Total Ammonia-N	mg/L	0.13	0.050	7634491	0.072	0.050	7634491	0.085	0.050	7634491
Total Dissolved Solids	mg/L	315	10	7633968	295	10	7633968	510	10	7633968
Fluoride (F-)	mg/L	<0.10	0.10	7635172	<0.10	0.10	7635172	0.11	0.10	7635172
Orthophosphate (P)	mg/L	<0.010	0.010	7635081	<0.010	0.010	7635081	<0.010	0.010	7635081
pH	pH	7.82		7635174	8.00		7635174	8.06		7635174
Total Phosphorus	mg/L	0.24	0.10	7633913	0.23	0.040	7633913	0.025	0.020	7633913
Reactive Silica (SiO ₂)	mg/L	1.8	0.050	7647215	3.0	0.050	7643838	2.5	0.050	7643838
Total Suspended Solids	mg/L	250	3	7635128	160	3	7633470	40	1	7633470
Dissolved Sulphate (SO ₄)	mg/L	50	1.0	7635073	38	1.0	7635073	100	1.0	7635073
Total Cyanide (CN)	mg/L	<0.0050	0.0050	7633478	<0.0050	0.0050	7633478	<0.0050	0.0050	7633478
Turbidity	NTU	190	0.1	7633912	140	0.1	7633912	24	0.1	7633912
Alkalinity (Total as CaCO ₃)	mg/L	74	1.0	7635173	120	1.0	7635173	140	1.0	7635173
Dissolved Chloride (Cl-)	mg/L	75	1.0	7635072	65	1.0	7635072	110	1.0	7635072
Nitrite (N)	mg/L	<0.010	0.010	7635032	<0.010	0.010	7635032	<0.010	0.010	7634780
Nitrate (N)	mg/L	0.12	0.10	7635032	0.12	0.10	7635032	0.23	0.10	7634780
Nitrate + Nitrite (N)	mg/L	0.12	0.10	7635032	0.12	0.10	7635032	0.23	0.10	7634780
Petroleum Hydrocarbons										
Total Oil & Grease	mg/L	<0.50	0.50	7640577	<0.50	0.50	7640577	<0.50	0.50	7640577
RDL = Reportable Detection Limit										
QC Batch = Quality Control Batch										



BUREAU
VERITAS

Bureau Veritas Job #: C1T3734
Report Date: 2021/10/21

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

RESULTS OF ANALYSES OF WATER

Bureau Veritas ID		QWU936			QWU937		
Sampling Date		2021/10/04 15:26			2021/10/04 14:58		
COC Number		N/A			N/A		
	UNITS	MEL-SR13	RDL	QC Batch	MEL-SR1US	RDL	QC Batch
Calculated Parameters							
Calculated TDS	mg/L	550	1.0	7631691	430	1.0	7631691
Inorganics							
Total Ammonia-N	mg/L	<0.050	0.050	7634491	0.074	0.050	7634491
Total Dissolved Solids	mg/L	595	10	7633968	445	10	7633968
Fluoride (F-)	mg/L	0.13	0.10	7638130	0.12	0.10	7635172
Orthophosphate (P)	mg/L	<0.010	0.010	7638064	<0.010	0.010	7635081
pH	pH	8.15		7638149	7.90		7635174
Total Phosphorus	mg/L	0.025	0.020	7633913	0.22	0.020	7633913
Reactive Silica (SiO ₂)	mg/L	3.9	0.050	7647215	2.2	0.050	7643838
Total Suspended Solids	mg/L	<1	1	7635128	200	3	7635128
Dissolved Sulphate (SO ₄)	mg/L	130	1.0	7638067	120	1.0	7635073
Total Cyanide (CN)	mg/L	<0.0050	0.0050	7633478	<0.0050	0.0050	7633478
Turbidity	NTU	0.7	0.1	7637515	72	0.1	7633912
Alkalinity (Total as CaCO ₃)	mg/L	160	1.0	7638145	94	1.0	7635173
Dissolved Chloride (Cl-)	mg/L	130	1.0	7638059	110	1.0	7635072
Nitrite (N)	mg/L	<0.010	0.010	7638019	<0.010	0.010	7635032
Nitrate (N)	mg/L	<0.10	0.10	7638019	1.46	0.10	7635032
Nitrate + Nitrite (N)	mg/L	<0.10	0.10	7638019	1.46	0.10	7635032
Petroleum Hydrocarbons							
Total Oil & Grease	mg/L	<0.50	0.50	7640577	<0.50	0.50	7640577
RDL = Reportable Detection Limit							
QC Batch = Quality Control Batch							



BUREAU
VERITAS

Bureau Veritas Job #: C1T3734

Report Date: 2021/10/21

Agnico-Eagle

Site Location: MELIADINE

Your P.O. #: OL-1006009

Sampler Initials: AH

ELEMENTS BY ATOMIC SPECTROSCOPY (WATER)

Bureau Veritas ID		QWU933		QWU934		QWU935	QWU936		
Sampling Date		2021/10/04 14:15		2021/10/04 14:40		2021/10/04 15:04	2021/10/04 15:26		
COC Number		N/A		N/A		N/A	N/A		
	UNITS	MEL-SR7	QC Batch	MEL-SR7US	QC Batch	MEL-SR1	MEL-SR13	RDL	QC Batch

Metals									
Mercury (Hg)	mg/L	<0.00001	7636801	<0.00001	7636840	<0.00001	<0.00001	0.00001	7636801

RDL = Reportable Detection Limit

QC Batch = Quality Control Batch

Bureau Veritas ID		QWU937		
Sampling Date		2021/10/04 14:58		
COC Number		N/A		
	UNITS	MEL-SR1US	RDL	QC Batch

Metals				
Mercury (Hg)	mg/L	<0.00001	0.00001	7636801

RDL = Reportable Detection Limit

QC Batch = Quality Control Batch



**BUREAU
VERITAS**

Bureau Veritas Job #: C1T3734

Report Date: 2021/10/21

Agnico-Eagle

Site Location: MELIADINE

Your P.O. #: OL-1006009

Sampler Initials: AH

TEST SUMMARY

Bureau Veritas ID: QWU933

Sample ID: MEL-SR7

Matrix: Water

Collected: 2021/10/04

Shipped:

Received: 2021/10/07

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
Alkalinity	AT	7635173	N/A	2021/10/14	Surinder Rai
Chloride by Automated Colourimetry	KONE	7635072	N/A	2021/10/14	Alina Dobreanu
Total Cyanide	SKAL/CN	7633478	2021/10/13	2021/10/13	Nimarta Singh
Fluoride	ISE	7635172	2021/10/13	2021/10/14	Surinder Rai
Mercury (low level)	CV/AA	7636801	2021/10/14	2021/10/15	Gagandeep Rai
Hardness Total (calculated as CaCO ₃)	CALC	7646309	N/A	2021/10/19	Automated Statchk
Hardness (calculated as CaCO ₃)	CALC	7643360	N/A	2021/10/19	Automated Statchk
Na, K, Ca, Mg, S by CRC ICPMS (diss.)	ICP	7643361	N/A	2021/10/19	Automated Statchk
Elements by CRC ICPMS (dissolved)	ICP/MS	7647267	N/A	2021/10/19	Andrew An
Na, K, Ca, Mg, S by CRC ICPMS (total)	ICP	7646347	2021/10/19	2021/10/19	Automated Statchk
Elements by CRC ICPMS (total)	ICP/MS	7646278	2021/10/18	2021/10/19	Andrew An
Silica (Reactive)	KONE	7647215	N/A	2021/10/17	Serena Tian
Total Ammonia-N	LACH/NH ₄	7634491	N/A	2021/10/14	Amanpreet Sappal
Nitrate & Nitrite as Nitrogen in Water	LACH	7635032	N/A	2021/10/14	Chandra Nandlal
Total Oil and Grease	BAL	7640577	2021/10/15	2021/10/15	Saumya Modh
pH	AT	7635174	2021/10/13	2021/10/14	Surinder Rai
Orthophosphate	KONE	7635081	N/A	2021/10/14	Avneet Kour Sudan
Sulphate by Automated Colourimetry	KONE	7635073	N/A	2021/10/14	Avneet Kour Sudan
Calculated Total Dissolved Solids	CALC	7631691	N/A	2021/10/21	Automated Statchk
Total Dissolved Solids	BAL	7633968	2021/10/13	2021/10/14	Sandeep Kaur
Total Phosphorus (Colourimetric)	LACH/P	7633913	2021/10/13	2021/10/14	Shivani Shivani
Low Level Total Suspended Solids	BAL	7635128	2021/10/14	2021/10/14	Sandeep Kaur
Turbidity	AT	7633912	N/A	2021/10/14	Neil Dassanayake

Bureau Veritas ID: QWU934

Sample ID: MEL-SR7US

Matrix: Water

Collected: 2021/10/04

Shipped:

Received: 2021/10/07

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
Alkalinity	AT	7635173	N/A	2021/10/14	Surinder Rai
Chloride by Automated Colourimetry	KONE	7635072	N/A	2021/10/14	Alina Dobreanu
Total Cyanide	SKAL/CN	7633478	2021/10/13	2021/10/13	Nimarta Singh
Fluoride	ISE	7635172	2021/10/13	2021/10/14	Surinder Rai
Mercury (low level)	CV/AA	7636840	2021/10/14	2021/10/14	Gagandeep Rai
Hardness Total (calculated as CaCO ₃)	CALC	7646309	N/A	2021/10/19	Automated Statchk
Hardness (calculated as CaCO ₃)	CALC	7643360	N/A	2021/10/19	Automated Statchk
Na, K, Ca, Mg, S by CRC ICPMS (diss.)	ICP	7643361	N/A	2021/10/19	Automated Statchk
Elements by CRC ICPMS (dissolved)	ICP/MS	7647267	N/A	2021/10/19	Andrew An
Na, K, Ca, Mg, S by CRC ICPMS (total)	ICP	7646347	2021/10/19	2021/10/19	Automated Statchk
Elements by CRC ICPMS (total)	ICP/MS	7646278	2021/10/18	2021/10/19	Andrew An
Silica (Reactive)	KONE	7643838	N/A	2021/10/17	Serena Tian
Total Ammonia-N	LACH/NH ₄	7634491	N/A	2021/10/14	Amanpreet Sappal
Nitrate & Nitrite as Nitrogen in Water	LACH	7635032	N/A	2021/10/14	Chandra Nandlal
Total Oil and Grease	BAL	7640577	2021/10/15	2021/10/15	Saumya Modh
pH	AT	7635174	2021/10/13	2021/10/14	Surinder Rai



BUREAU
VERITAS

Bureau Veritas Job #: C1T3734

Report Date: 2021/10/21

Agnico-Eagle

Site Location: MELIADINE

Your P.O. #: OL-1006009

Sampler Initials: AH

TEST SUMMARY

Bureau Veritas ID: QWU934
Sample ID: MEL-SR7US
Matrix: Water

Collected: 2021/10/04
Shipped:
Received: 2021/10/07

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
Orthophosphate	KONE	7635081	N/A	2021/10/14	Avneet Kour Sudan
Sulphate by Automated Colourimetry	KONE	7635073	N/A	2021/10/14	Avneet Kour Sudan
Calculated Total Dissolved Solids	CALC	7631691	N/A	2021/10/21	Automated Statchk
Total Dissolved Solids	BAL	7633968	2021/10/13	2021/10/14	Sandeep Kaur
Total Phosphorus (Colourimetric)	LACH/P	7633913	2021/10/13	2021/10/14	Shivani Shivani
Low Level Total Suspended Solids	BAL	7633470	2021/10/13	2021/10/14	Shaneil Hall
Turbidity	AT	7633912	N/A	2021/10/14	Neil Dassanayake

Bureau Veritas ID: QWU935
Sample ID: MEL-SR1
Matrix: Water

Collected: 2021/10/04
Shipped:
Received: 2021/10/07

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
Alkalinity	AT	7635173	N/A	2021/10/14	Surinder Rai
Chloride by Automated Colourimetry	KONE	7635072	N/A	2021/10/14	Alina Dobreanu
Total Cyanide	SKAL/CN	7633478	2021/10/13	2021/10/13	Nimarta Singh
Fluoride	ISE	7635172	2021/10/13	2021/10/14	Surinder Rai
Mercury (low level)	CV/AA	7636801	2021/10/14	2021/10/15	Gagandeep Rai
Hardness Total (calculated as CaCO ₃)	CALC	7646309	N/A	2021/10/19	Automated Statchk
Hardness (calculated as CaCO ₃)	CALC	7643360	N/A	2021/10/20	Automated Statchk
Na, K, Ca, Mg, S by CRC ICPMS (diss.)	ICP	7643361	N/A	2021/10/20	Automated Statchk
Elements by CRC ICPMS (dissolved)	ICP/MS	7650408	N/A	2021/10/20	Andrew An
Na, K, Ca, Mg, S by CRC ICPMS (total)	ICP	7646347	2021/10/19	2021/10/19	Automated Statchk
Elements by CRC ICPMS (total)	ICP/MS	7646278	2021/10/18	2021/10/19	Andrew An
Silica (Reactive)	KONE	7643838	N/A	2021/10/17	Serena Tian
Total Ammonia-N	LACH/NH ₄	7634491	N/A	2021/10/14	Amanpreet Sappal
Nitrate & Nitrite as Nitrogen in Water	LACH	7634780	N/A	2021/10/14	Chandra Nandlal
Total Oil and Grease	BAL	7640577	2021/10/15	2021/10/15	Saumya Modh
pH	AT	7635174	2021/10/13	2021/10/14	Surinder Rai
Orthophosphate	KONE	7635081	N/A	2021/10/14	Avneet Kour Sudan
Sulphate by Automated Colourimetry	KONE	7635073	N/A	2021/10/14	Avneet Kour Sudan
Calculated Total Dissolved Solids	CALC	7631691	N/A	2021/10/21	Automated Statchk
Total Dissolved Solids	BAL	7633968	2021/10/13	2021/10/14	Sandeep Kaur
Total Phosphorus (Colourimetric)	LACH/P	7633913	2021/10/13	2021/10/14	Shivani Shivani
Low Level Total Suspended Solids	BAL	7633470	2021/10/13	2021/10/14	Shaneil Hall
Turbidity	AT	7633912	N/A	2021/10/14	Neil Dassanayake

Bureau Veritas ID: QWU935 Dup
Sample ID: MEL-SR1
Matrix: Water

Collected: 2021/10/04
Shipped:
Received: 2021/10/07

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
Elements by CRC ICPMS (dissolved)	ICP/MS	7650408	N/A	2021/10/20	Andrew An



**BUREAU
VERITAS**

Bureau Veritas Job #: C1T3734

Report Date: 2021/10/21

Agnico-Eagle

Site Location: MELIADINE

Your P.O. #: OL-1006009

Sampler Initials: AH

TEST SUMMARY

Bureau Veritas ID: QWU936
Sample ID: MEL-SR13
Matrix: Water

Collected: 2021/10/04
Shipped:
Received: 2021/10/07

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
Alkalinity	AT	7638145	N/A	2021/10/15	Surinder Rai
Chloride by Automated Colourimetry	KONE	7638059	N/A	2021/10/15	Alina Dobreanu
Total Cyanide	SKAL/CN	7633478	2021/10/13	2021/10/13	Nimarta Singh
Fluoride	ISE	7638130	2021/10/14	2021/10/15	Surinder Rai
Mercury (low level)	CV/AA	7636801	2021/10/14	2021/10/15	Gagandeep Rai
Hardness Total (calculated as CaCO ₃)	CALC	7646309	N/A	2021/10/19	Automated Statchk
Hardness (calculated as CaCO ₃)	CALC	7643360	N/A	2021/10/19	Automated Statchk
Na, K, Ca, Mg, S by CRC ICPMS (diss.)	ICP	7643361	N/A	2021/10/19	Automated Statchk
Elements by CRC ICPMS (dissolved)	ICP/MS	7647267	N/A	2021/10/19	Andrew An
Na, K, Ca, Mg, S by CRC ICPMS (total)	ICP	7646347	2021/10/19	2021/10/19	Automated Statchk
Elements by CRC ICPMS (total)	ICP/MS	7646278	2021/10/18	2021/10/19	Andrew An
Silica (Reactive)	KONE	7647215	N/A	2021/10/17	Serena Tian
Total Ammonia-N	LACH/NH ₄	7634491	N/A	2021/10/14	Amanpreet Sappal
Nitrate & Nitrite as Nitrogen in Water	LACH	7638019	N/A	2021/10/15	Nimarta Singh
Total Oil and Grease	BAL	7640577	2021/10/15	2021/10/15	Saumya Modh
pH	AT	7638149	2021/10/14	2021/10/15	Surinder Rai
Orthophosphate	KONE	7638064	N/A	2021/10/15	Avneet Kour Sudan
Sulphate by Automated Colourimetry	KONE	7638067	N/A	2021/10/15	Avneet Kour Sudan
Calculated Total Dissolved Solids	CALC	7631691	N/A	2021/10/21	Automated Statchk
Total Dissolved Solids	BAL	7633968	2021/10/13	2021/10/14	Sandeep Kaur
Total Phosphorus (Colourimetric)	LACH/P	7633913	2021/10/13	2021/10/14	Shivani Shivani
Low Level Total Suspended Solids	BAL	7635128	2021/10/14	2021/10/14	Sandeep Kaur
Turbidity	AT	7637515	N/A	2021/10/14	Neil Dassanayake

Bureau Veritas ID: QWU937
Sample ID: MEL-SR1US
Matrix: Water

Collected: 2021/10/04
Shipped:
Received: 2021/10/07

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
Alkalinity	AT	7635173	N/A	2021/10/14	Surinder Rai
Chloride by Automated Colourimetry	KONE	7635072	N/A	2021/10/14	Alina Dobreanu
Total Cyanide	SKAL/CN	7633478	2021/10/13	2021/10/13	Nimarta Singh
Fluoride	ISE	7635172	2021/10/13	2021/10/14	Surinder Rai
Mercury (low level)	CV/AA	7636801	2021/10/14	2021/10/15	Gagandeep Rai
Hardness Total (calculated as CaCO ₃)	CALC	7646309	N/A	2021/10/19	Automated Statchk
Hardness (calculated as CaCO ₃)	CALC	7643360	N/A	2021/10/19	Automated Statchk
Na, K, Ca, Mg, S by CRC ICPMS (diss.)	ICP	7643361	N/A	2021/10/19	Automated Statchk
Elements by CRC ICPMS (dissolved)	ICP/MS	7647267	N/A	2021/10/19	Andrew An
Na, K, Ca, Mg, S by CRC ICPMS (total)	ICP	7646347	2021/10/19	2021/10/19	Automated Statchk
Elements by CRC ICPMS (total)	ICP/MS	7646278	2021/10/18	2021/10/19	Andrew An
Silica (Reactive)	KONE	7643838	N/A	2021/10/17	Serena Tian
Total Ammonia-N	LACH/NH ₄	7634491	N/A	2021/10/14	Amanpreet Sappal
Nitrate & Nitrite as Nitrogen in Water	LACH	7635032	N/A	2021/10/14	Chandra Nandlal
Total Oil and Grease	BAL	7640577	2021/10/15	2021/10/15	Saumya Modh
pH	AT	7635174	2021/10/13	2021/10/14	Surinder Rai



BUREAU
VERITAS

Bureau Veritas Job #: C1T3734

Report Date: 2021/10/21

Agnico-Eagle

Site Location: MELIADINE

Your P.O. #: OL-1006009

Sampler Initials: AH

TEST SUMMARY

Bureau Veritas ID: QWU937
Sample ID: MEL-SR1US
Matrix: Water

Collected: 2021/10/04
Shipped:
Received: 2021/10/07

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
Orthophosphate	KONE	7635081	N/A	2021/10/14	Avneet Kour Sudan
Sulphate by Automated Colourimetry	KONE	7635073	N/A	2021/10/14	Avneet Kour Sudan
Calculated Total Dissolved Solids	CALC	7631691	N/A	2021/10/21	Automated Statchk
Total Dissolved Solids	BAL	7633968	2021/10/13	2021/10/14	Sandeep Kaur
Total Phosphorus (Colourimetric)	LACH/P	7633913	2021/10/13	2021/10/14	Shivani Shivani
Low Level Total Suspended Solids	BAL	7635128	2021/10/14	2021/10/14	Sandeep Kaur
Turbidity	AT	7633912	N/A	2021/10/14	Neil Dassanayake



GENERAL COMMENTS

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

Package 1	15.7°C
Package 2	15.7°C
Package 3	14.0°C
Package 4	16.7°C
Package 5	16.0°C
Package 6	16.7°C
Package 7	14.3°C
Package 8	14.0°C
Package 9	16.3°C
Package 10	16.7°C
Package 11	15.3°C
Package 12	14.7°C
Package 13	15.3°C
Package 14	14.0°C
Package 15	16.3°C
Package 16	16.0°C
Package 17	16.3°C
Package 18	15.0°C

Sample QWU933 [MEL-SR7] : The sample for dissolved metals was filtered and preserved at the lab. Values may not reflect concentrations at the time of sampling.

Sample QWU934 [MEL-SR7US] : The sample for dissolved metals was filtered and preserved at the lab. Values may not reflect concentrations at the time of sampling.

Sample QWU935 [MEL-SR1] : The sample for dissolved metals was filtered and preserved at the lab. Values may not reflect concentrations at the time of sampling.

Sample QWU936 [MEL-SR13] : The sample for dissolved metals was filtered and preserved at the lab. Values may not reflect concentrations at the time of sampling.

Sample QWU937 [MEL-SR1US] : The sample for dissolved metals was filtered and preserved at the lab. Values may not reflect concentrations at the time of sampling.

Results relate only to the items tested.

BUREAU
VERITAS

Bureau Veritas Job #: C1T3734

Report Date: 2021/10/21

QUALITY ASSURANCE REPORT

Agnico-Eagle

Site Location: MELIADINE

Your P.O. #: OL-1006009

Sampler Initials: AH

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
7633470	Total Suspended Solids	2021/10/14					<1	mg/L	0	25	97	85 - 115
7633478	Total Cyanide (CN)	2021/10/13	101	80 - 120	100	80 - 120	<0.0050	mg/L	NC	20		
7633912	Turbidity	2021/10/14			95	85 - 115	<0.1	NTU	0	20		
7633913	Total Phosphorus	2021/10/14	96	80 - 120	100	80 - 120	<0.020	mg/L	1.2	20	98	80 - 120
7633968	Total Dissolved Solids	2021/10/14					<10	mg/L	1.3	25	102	90 - 110
7634491	Total Ammonia-N	2021/10/14	NC	75 - 125	101	80 - 120	<0.050	mg/L	0.62	20		
7634780	Nitrate (N)	2021/10/14	103	80 - 120	99	80 - 120	<0.10	mg/L	NC	20		
7634780	Nitrite (N)	2021/10/14	106	80 - 120	100	80 - 120	<0.010	mg/L	NC	20		
7635032	Nitrate (N)	2021/10/14	100	80 - 120	99	80 - 120	<0.10	mg/L	0.25	20		
7635032	Nitrite (N)	2021/10/14	98	80 - 120	100	80 - 120	<0.010	mg/L	NC	20		
7635072	Dissolved Chloride (Cl-)	2021/10/14	NC	80 - 120	102	80 - 120	<1.0	mg/L	6.0	20		
7635073	Dissolved Sulphate (SO4)	2021/10/14	NC	75 - 125	100	80 - 120	<1.0	mg/L	0.60	20		
7635081	Orthophosphate (P)	2021/10/14	115	75 - 125	100	80 - 120	<0.010	mg/L	NC	25		
7635128	Total Suspended Solids	2021/10/14					<1	mg/L	0	25	95	85 - 115
7635172	Fluoride (F-)	2021/10/14	96	80 - 120	98	80 - 120	<0.10	mg/L	NC	20		
7635173	Alkalinity (Total as CaCO3)	2021/10/14			97	85 - 115	<1.0	mg/L	10	20		
7635174	pH	2021/10/14			101	98 - 103			0.15	N/A		
7636801	Mercury (Hg)	2021/10/15	100	75 - 125	100	80 - 120	<0.00001	mg/L	NC	20		
7636840	Mercury (Hg)	2021/10/14	85	75 - 125	94	80 - 120	<0.00001	mg/L	NC	20		
7637515	Turbidity	2021/10/14			96	85 - 115	<0.1	NTU	0.45	20		
7638019	Nitrate (N)	2021/10/15	99	80 - 120	99	80 - 120	<0.10	mg/L	1.3	20		
7638019	Nitrite (N)	2021/10/15	103	80 - 120	100	80 - 120	<0.010	mg/L	3.5	20		
7638059	Dissolved Chloride (Cl-)	2021/10/15	101	80 - 120	102	80 - 120	<1.0	mg/L	0.92	20		
7638064	Orthophosphate (P)	2021/10/15	108	75 - 125	98	80 - 120	<0.010	mg/L	4.9	25		
7638067	Dissolved Sulphate (SO4)	2021/10/15	110	75 - 125	102	80 - 120	<1.0	mg/L	0.090	20		
7638130	Fluoride (F-)	2021/10/15	32 (1)	80 - 120	100	80 - 120	<0.10	mg/L	NC	20		
7638145	Alkalinity (Total as CaCO3)	2021/10/15			97	85 - 115	<1.0	mg/L	0.46	20		
7638149	pH	2021/10/15			101	98 - 103			0.55	N/A		
7640577	Total Oil & Grease	2021/10/15			99	85 - 115	<0.50	mg/L	2.1	25		
7643838	Reactive Silica (SiO2)	2021/10/17	99	80 - 120	105	80 - 120	<0.050	mg/L				
7646278	Total Aluminum (Al)	2021/10/19	101	80 - 120	106	80 - 120	<0.0030	mg/L				
7646278	Total Antimony (Sb)	2021/10/19	101	80 - 120	105	80 - 120	<0.00050	mg/L				

BUREAU
VERITAS

Bureau Veritas Job #: C1T3734

Report Date: 2021/10/21

QUALITY ASSURANCE REPORT(CONT'D)

Agnico-Eagle

Site Location: MELIADINE

Your P.O. #: OL-1006009

Sampler Initials: AH

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
7646278	Total Arsenic (As)	2021/10/19	103	80 - 120	102	80 - 120	<0.00010	mg/L				
7646278	Total Barium (Ba)	2021/10/19	NC	80 - 120	103	80 - 120	<0.0010	mg/L				
7646278	Total Beryllium (Be)	2021/10/19	98	80 - 120	103	80 - 120	<0.00010	mg/L				
7646278	Total Bismuth (Bi)	2021/10/19	95	80 - 120	102	80 - 120	<0.0010	mg/L				
7646278	Total Boron (B)	2021/10/19	99	80 - 120	100	80 - 120	<0.050	mg/L				
7646278	Total Cadmium (Cd)	2021/10/19	99	80 - 120	104	80 - 120	<0.000010	mg/L				
7646278	Total Chromium (Cr)	2021/10/19	92	80 - 120	99	80 - 120	<0.0010	mg/L				
7646278	Total Cobalt (Co)	2021/10/19	90	80 - 120	98	80 - 120	<0.00020	mg/L				
7646278	Total Copper (Cu)	2021/10/19	87	80 - 120	98	80 - 120	<0.00050	mg/L				
7646278	Total Iron (Fe)	2021/10/19	99	80 - 120	103	80 - 120	<0.010	mg/L				
7646278	Total Lead (Pb)	2021/10/19	100	80 - 120	105	80 - 120	<0.00020	mg/L				
7646278	Total Lithium (Li)	2021/10/19	95	80 - 120	102	80 - 120	<0.0020	mg/L				
7646278	Total Manganese (Mn)	2021/10/19	94	80 - 120	102	80 - 120	<0.0010	mg/L				
7646278	Total Molybdenum (Mo)	2021/10/19	NC	80 - 120	103	80 - 120	<0.0010	mg/L				
7646278	Total Nickel (Ni)	2021/10/19	91	80 - 120	101	80 - 120	<0.0010	mg/L				
7646278	Total Selenium (Se)	2021/10/19	102	80 - 120	101	80 - 120	<0.00010	mg/L				
7646278	Total Silicon (Si)	2021/10/19	104	80 - 120	112	80 - 120	<0.10	mg/L				
7646278	Total Silver (Ag)	2021/10/19	97	80 - 120	100	80 - 120	<0.000020	mg/L				
7646278	Total Strontium (Sr)	2021/10/19	NC	80 - 120	100	80 - 120	<0.0010	mg/L				
7646278	Total Thallium (Tl)	2021/10/19	102	80 - 120	105	80 - 120	<0.000010	mg/L				
7646278	Total Tin (Sn)	2021/10/19	101	80 - 120	103	80 - 120	<0.0050	mg/L				
7646278	Total Titanium (Ti)	2021/10/19	105	80 - 120	106	80 - 120	<0.0050	mg/L				
7646278	Total Uranium (U)	2021/10/19	107	80 - 120	108	80 - 120	<0.00010	mg/L				
7646278	Total Vanadium (V)	2021/10/19	99	80 - 120	103	80 - 120	<0.0050	mg/L				
7646278	Total Zinc (Zn)	2021/10/19	93	80 - 120	103	80 - 120	<0.0050	mg/L				
7646278	Total Zirconium (Zr)	2021/10/19	106	80 - 120	104	80 - 120	<0.00010	mg/L				
7647215	Reactive Silica (SiO2)	2021/10/17	99	80 - 120	104	80 - 120	<0.050	mg/L				
7647267	Dissolved Aluminum (Al)	2021/10/19	97	80 - 120	100	80 - 120	<0.0030	mg/L				
7647267	Dissolved Antimony (Sb)	2021/10/19	98	80 - 120	101	80 - 120	<0.00050	mg/L				
7647267	Dissolved Arsenic (As)	2021/10/19	102	80 - 120	100	80 - 120	<0.00010	mg/L				
7647267	Dissolved Barium (Ba)	2021/10/19	NC	80 - 120	99	80 - 120	<0.0010	mg/L				
7647267	Dissolved Beryllium (Be)	2021/10/19	94	80 - 120	101	80 - 120	<0.00010	mg/L				

BUREAU
VERITAS

Bureau Veritas Job #: C1T3734

Report Date: 2021/10/21

QUALITY ASSURANCE REPORT(CONT'D)

Agnico-Eagle

Site Location: MELIADINE

Your P.O. #: OL-1006009

Sampler Initials: AH

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
7647267	Dissolved Bismuth (Bi)	2021/10/19	93	80 - 120	100	80 - 120	<0.0010	mg/L				
7647267	Dissolved Boron (B)	2021/10/19	NC	80 - 120	101	80 - 120	<0.050	mg/L				
7647267	Dissolved Cadmium (Cd)	2021/10/19	97	80 - 120	100	80 - 120	<0.000010	mg/L				
7647267	Dissolved Chromium (Cr)	2021/10/19	88	80 - 120	94	80 - 120	<0.0010	mg/L				
7647267	Dissolved Cobalt (Co)	2021/10/19	86	80 - 120	92	80 - 120	<0.00020	mg/L				
7647267	Dissolved Copper (Cu)	2021/10/19	83	80 - 120	93	80 - 120	<0.00020	mg/L				
7647267	Dissolved Iron (Fe)	2021/10/19	NC	80 - 120	101	80 - 120	<0.0050	mg/L				
7647267	Dissolved Lead (Pb)	2021/10/19	97	80 - 120	101	80 - 120	<0.00020	mg/L				
7647267	Dissolved Lithium (Li)	2021/10/19	100	80 - 120	101	80 - 120	<0.0020	mg/L				
7647267	Dissolved Manganese (Mn)	2021/10/19	NC	80 - 120	97	80 - 120	<0.0010	mg/L				
7647267	Dissolved Molybdenum (Mo)	2021/10/19	108	80 - 120	100	80 - 120	<0.0010	mg/L				
7647267	Dissolved Nickel (Ni)	2021/10/19	87	80 - 120	95	80 - 120	<0.0010	mg/L				
7647267	Dissolved Selenium (Se)	2021/10/19	102	80 - 120	97	80 - 120	<0.00010	mg/L				
7647267	Dissolved Silicon (Si)	2021/10/19	NC	80 - 120	108	80 - 120	<0.10	mg/L				
7647267	Dissolved Silver (Ag)	2021/10/19	95	80 - 120	97	80 - 120	<0.000020	mg/L				
7647267	Dissolved Strontium (Sr)	2021/10/19	NC	80 - 120	97	80 - 120	<0.0010	mg/L				
7647267	Dissolved Thallium (Tl)	2021/10/19	100	80 - 120	101	80 - 120	<0.000010	mg/L				
7647267	Dissolved Tin (Sn)	2021/10/19	100	80 - 120	101	80 - 120	<0.0050	mg/L				
7647267	Dissolved Titanium (Ti)	2021/10/19	96	80 - 120	100	80 - 120	<0.0050	mg/L				
7647267	Dissolved Uranium (U)	2021/10/19	106	80 - 120	105	80 - 120	<0.00010	mg/L				
7647267	Dissolved Vanadium (V)	2021/10/19	96	80 - 120	97	80 - 120	<0.0050	mg/L				
7647267	Dissolved Zinc (Zn)	2021/10/19	91	80 - 120	100	80 - 120	<0.0050	mg/L				
7647267	Dissolved Zirconium (Zr)	2021/10/19	107	80 - 120	99	80 - 120	<0.00010	mg/L				
7650408	Dissolved Aluminum (Al)	2021/10/20	89	80 - 120	92	80 - 120	<0.0030	mg/L	0.49	20		
7650408	Dissolved Antimony (Sb)	2021/10/20	97	80 - 120	97	80 - 120	<0.00050	mg/L	NC	20		
7650408	Dissolved Arsenic (As)	2021/10/20	101	80 - 120	98	80 - 120	<0.00010	mg/L	0.28	20		
7650408	Dissolved Barium (Ba)	2021/10/20	93	80 - 120	96	80 - 120	<0.0010	mg/L	0.56	20		
7650408	Dissolved Beryllium (Be)	2021/10/20	98	80 - 120	105	80 - 120	<0.00010	mg/L	NC	20		
7650408	Dissolved Bismuth (Bi)	2021/10/20	88	80 - 120	94	80 - 120	<0.0010	mg/L	NC	20		
7650408	Dissolved Boron (B)	2021/10/20	80	80 - 120	84	80 - 120	<0.050	mg/L	NC	20		
7650408	Dissolved Cadmium (Cd)	2021/10/20	94	80 - 120	97	80 - 120	<0.000010	mg/L	NC	20		
7650408	Dissolved Chromium (Cr)	2021/10/20	90	80 - 120	97	80 - 120	<0.0010	mg/L	NC	20		

BUREAU
VERITAS

Bureau Veritas Job #: C1T3734

Report Date: 2021/10/21

QUALITY ASSURANCE REPORT(CONT'D)

Agnico-Eagle

Site Location: MELIADINE

Your P.O. #: OL-1006009

Sampler Initials: AH

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
7650408	Dissolved Cobalt (Co)	2021/10/20	89	80 - 120	97	80 - 120	<0.00020	mg/L	NC	20		
7650408	Dissolved Copper (Cu)	2021/10/20	83	80 - 120	95	80 - 120	<0.00020	mg/L	0.64	20		
7650408	Dissolved Iron (Fe)	2021/10/20	96	80 - 120	100	80 - 120	<0.0050	mg/L	4.7	20		
7650408	Dissolved Lead (Pb)	2021/10/20	92	80 - 120	96	80 - 120	<0.00020	mg/L	NC	20		
7650408	Dissolved Lithium (Li)	2021/10/20	82	80 - 120	88	80 - 120	<0.0020	mg/L	1.3	20		
7650408	Dissolved Manganese (Mn)	2021/10/20	91	80 - 120	98	80 - 120	<0.0010	mg/L	1.4	20		
7650408	Dissolved Molybdenum (Mo)	2021/10/20	106	80 - 120	99	80 - 120	<0.0010	mg/L	3.7	20		
7650408	Dissolved Nickel (Ni)	2021/10/20	87	80 - 120	97	80 - 120	<0.0010	mg/L	2.6	20		
7650408	Dissolved Selenium (Se)	2021/10/20	102	80 - 120	102	80 - 120	<0.00010	mg/L	NC	20		
7650408	Dissolved Silicon (Si)	2021/10/20	94	80 - 120	94	80 - 120	<0.10	mg/L	0.87	20		
7650408	Dissolved Silver (Ag)	2021/10/20	89	80 - 120	93	80 - 120	<0.000020	mg/L	NC	20		
7650408	Dissolved Strontium (Sr)	2021/10/20	NC	80 - 120	92	80 - 120	<0.0010	mg/L	1.8	20		
7650408	Dissolved Thallium (Tl)	2021/10/20	93	80 - 120	94	80 - 120	<0.000010	mg/L	NC	20		
7650408	Dissolved Tin (Sn)	2021/10/20	97	80 - 120	96	80 - 120	<0.0050	mg/L	NC	20		
7650408	Dissolved Titanium (Ti)	2021/10/20	98	80 - 120	100	80 - 120	<0.0050	mg/L	NC	20		
7650408	Dissolved Uranium (U)	2021/10/20	97	80 - 120	96	80 - 120	<0.00010	mg/L	0.92	20		
7650408	Dissolved Vanadium (V)	2021/10/20	96	80 - 120	99	80 - 120	<0.0050	mg/L	NC	20		
7650408	Dissolved Zinc (Zn)	2021/10/20	89	80 - 120	100	80 - 120	<0.0050	mg/L	NC	20		
7650408	Dissolved Zirconium (Zr)	2021/10/20	106	80 - 120	98	80 - 120	<0.00010	mg/L	2.3	20		

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 $\leq 2 \times \text{RDL}$).

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



BUREAU
VERITAS

Bureau Veritas Job #: C1T3734

Report Date: 2021/10/21

Agnico-Eagle

Site Location: MELIADINE

Your P.O. #: OL-1006009

Sampler Initials: AH

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

Maria Magdalena Florescu, Ph.D., P.Chem., QP, Inorganics Manager

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

Bureau Veritas Job #: C1T3734

Report Date: 2021/10/21

Agnico-Eagle

Site Location: MELIADINE

Your P.O. #: OL-1006009

Sampler Initials: AH

Exceedance Summary Table – Metal Mining Effluent Reg
Result Exceedances

Sample ID	Bureau Veritas 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.						

October 5, 2021 - Analytical Results



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: 2021/10/21
 Report #: R6863179
 Version: 1 - Final

CERTIFICATE OF ANALYSIS

BV LABS JOB #: C1T4687

Received: 2021/10/08, 09:30

Sample Matrix: Water
 # Samples Received: 2

Analyses	Quantity	Date Extracted	Date Analyzed	Laboratory Method	Analytical Method
Alkalinity (1)	2	N/A	2021/10/14	CAM SOP-00448	SM 23 2320 B m
Chloride by Automated Colourimetry (1)	2	N/A	2021/10/14	CAM SOP-00463	SM 23 4500-Cl E m
Total Cyanide (1)	2	2021/10/13	2021/10/13	CAM SOP-00457	OMOE E3015 5 m
Fluoride (1)	2	2021/10/13	2021/10/14	CAM SOP-00449	SM 23 4500-F C m
Mercury (low level) (1)	2	2021/10/15	2021/10/15	CAM SOP-00453	EPA 7470 m
Hardness Total (calculated as CaCO ₃) (2, 4)	2	N/A	2021/10/19	BBY WI-00033	Auto Calc
Hardness (calculated as CaCO ₃) (2)	2	N/A	2021/10/20	BBY WI-00033	Auto Calc
Na, K, Ca, Mg, S by CRC ICPMS (diss.) (2)	2	N/A	2021/10/20	BBY7SOP-00002	EPA 6020B R2 m
Elements by CRC ICPMS (dissolved) (2)	2	N/A	2021/10/20	BBY7SOP-00002	EPA 6020B R2 m
Na, K, Ca, Mg, S by CRC ICPMS (total) (2)	2	2021/10/12	2021/10/19	BBY7SOP-00002	EPA 6020B R2 m
Elements by CRC ICPMS (total) (2)	2	2021/10/18	2021/10/19	BBY7SOP-00003/ BBY7SOPEA 6020B R2 m -00002	
Silica (Reactive) (3)	2	N/A	2021/10/17	AB SOP-00011	EPA370.1 R1978 m
Total Ammonia-N (1)	2	N/A	2021/10/18	CAM SOP-00441	USGS I-2522-90 m
Nitrate & Nitrite as Nitrogen in Water (1, 5)	2	N/A	2021/10/14	CAM SOP-00440	SM 23 4500-NO3I/NO2B
Total Oil and Grease (1)	2	2021/10/19	2021/10/19	CAM SOP-00326	EPA1664B m,SM5520B m
pH (1)	2	2021/10/13	2021/10/14	CAM SOP-00413	SM 4500H+ B m
Orthophosphate (1)	2	N/A	2021/10/14	CAM SOP-00461	EPA 365.1 m
Sulphate by Automated Colourimetry (1)	2	N/A	2021/10/14	CAM SOP-00464	EPA 375.4 m
Calculated Total Dissolved Solids (1)	2	N/A	2021/10/21		Auto Calc
Total Dissolved Solids (1)	2	2021/10/14	2021/10/15	CAM SOP-00428	SM 23 2540C m
Total Phosphorus (Colourimetric) (1)	2	2021/10/14	2021/10/14	CAM SOP-00407	SM 23 4500 P B H m
Low Level Total Suspended Solids (1)	2	2021/10/19	2021/10/20	CAM SOP-00428	SM 23 2540D m
Turbidity (1)	2	N/A	2021/10/13	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



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: 2021/10/21
Report #: R6863179
Version: 1 - Final

CERTIFICATE OF ANALYSIS

BV LABS JOB #: C1T4687

Received: 2021/10/08, 09:30

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 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, 6740 Campobello Rd , Mississauga, ON, L5N 2L8

(2) This test was performed by Bureau Veritas Burnaby, 4606 Canada Way , Burnaby, BC, V5G 1K5

(3) This test was performed by Bureau Veritas Calgary (19th), 4000 19th Street NE , Calgary, AB, T2E 6P8

(4) "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).

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

Encryption Key

Katherine Szozda

Katherine Szozda
 Project Manager
 21 Oct 2021 18:00:32

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

=====
 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

Bureau Veritas Job #: C1T4687

Report Date: 2021/10/21

Agnico-Eagle

Site Location: MELIADINE

Your P.O. #: OL-1006009

Sampler Initials: BF

DISS. ICPMS METALS FOR FEDERAL INT. GWQG (WATER)

Bureau Veritas ID		QXA252	QXA253		
Sampling Date		2021/10/05 14:18	2021/10/05 13:50		
COC Number		n/a	n/a		
	UNITS	MEL-SR1	MEL-SR7	RDL	QC Batch
Calculated Parameters					
Dissolved Hardness (CaCO ₃)	mg/L	320	289	0.50	7643360
Metals					
Dissolved Aluminum (Al)	mg/L	0.0096	0.0061	0.0030	7650408
Dissolved Antimony (Sb)	mg/L	<0.00050	<0.00050	0.00050	7650408
Dissolved Arsenic (As)	mg/L	0.00201	0.00679	0.00010	7650408
Dissolved Barium (Ba)	mg/L	0.0440	0.0359	0.0010	7650408
Dissolved Beryllium (Be)	mg/L	<0.00010	<0.00010	0.00010	7650408
Dissolved Bismuth (Bi)	mg/L	<0.0010	<0.0010	0.0010	7650408
Dissolved Boron (B)	mg/L	0.050	<0.050	0.050	7650408
Dissolved Cadmium (Cd)	mg/L	0.000013	0.000016	0.000010	7650408
Dissolved Chromium (Cr)	mg/L	<0.0010	<0.0010	0.0010	7650408
Dissolved Cobalt (Co)	mg/L	0.00021	0.00119	0.00020	7650408
Dissolved Copper (Cu)	mg/L	0.00283	0.00476	0.00020	7650408
Dissolved Iron (Fe)	mg/L	0.0144	0.0087	0.0050	7650408
Dissolved Lead (Pb)	mg/L	<0.00020	<0.00020	0.00020	7650408
Dissolved Lithium (Li)	mg/L	0.0144	0.0110	0.0020	7650408
Dissolved Manganese (Mn)	mg/L	0.0145	0.0061	0.0010	7650408
Dissolved Molybdenum (Mo)	mg/L	0.0015	<0.0010	0.0010	7650408
Dissolved Nickel (Ni)	mg/L	0.0074	0.0100	0.0010	7650408
Dissolved Selenium (Se)	mg/L	<0.00010	0.00010	0.00010	7650408
Dissolved Silicon (Si)	mg/L	1.35	1.47	0.10	7650408
Dissolved Silver (Ag)	mg/L	<0.000020	<0.000020	0.000020	7650408
Dissolved Strontium (Sr)	mg/L	0.552	0.426	0.0010	7650408
Dissolved Thallium (Tl)	mg/L	<0.000010	<0.000010	0.000010	7650408
Dissolved Tin (Sn)	mg/L	<0.0050	<0.0050	0.0050	7650408
Dissolved Titanium (Ti)	mg/L	<0.0050	<0.0050	0.0050	7650408
Dissolved Uranium (U)	mg/L	0.00222	0.00189	0.00010	7650408
Dissolved Vanadium (V)	mg/L	<0.0050	<0.0050	0.0050	7650408
Dissolved Zinc (Zn)	mg/L	0.0189	<0.0050	0.0050	7650408
Dissolved Zirconium (Zr)	mg/L	0.00011	0.00011	0.00010	7650408
Dissolved Calcium (Ca)	mg/L	101	88.9	0.050	7643361
RDL = Reportable Detection Limit					
QC Batch = Quality Control Batch					



BUREAU
VERITAS

Bureau Veritas Job #: C1T4687

Report Date: 2021/10/21

Agnico-Eagle

Site Location: MELIADINE

Your P.O. #: OL-1006009

Sampler Initials: BF

DISS. ICPMS METALS FOR FEDERAL INT. GWQG (WATER)

Bureau Veritas ID		QXA252	QXA253		
Sampling Date		2021/10/05 14:18	2021/10/05 13:50		
COC Number		n/a	n/a		
	UNITS	MEL-SR1	MEL-SR7	RDL	QC Batch
Dissolved Magnesium (Mg)	mg/L	16.5	16.3	0.050	7643361
Dissolved Potassium (K)	mg/L	9.90	8.42	0.050	7643361
Dissolved Sodium (Na)	mg/L	53.0	60.1	0.050	7643361
Dissolved Sulphur (S)	mg/L	43.1	39.0	3.0	7643361
RDL = Reportable Detection Limit					
QC Batch = Quality Control Batch					



BUREAU
VERITAS

Bureau Veritas Job #: C1T4687

Report Date: 2021/10/21

Agnico-Eagle

Site Location: MELIADINE

Your P.O. #: OL-1006009

Sampler Initials: BF

TOTAL ICPMS METALS FOR CCME CEQG FOR SW (WATER)

Bureau Veritas ID		QXA252	QXA253		
Sampling Date		2021/10/05 14:18	2021/10/05 13:50		
COC Number		n/a	n/a		
	UNITS	MEL-SR1	MEL-SR7	RDL	QC Batch
Metals					
Total Aluminum (Al)	mg/L	0.268	0.0695	0.0030	7647303
Total Antimony (Sb)	mg/L	<0.00050	<0.00050	0.00050	7647303
Total Arsenic (As)	mg/L	0.00234	0.00688	0.00010	7647303
Total Barium (Ba)	mg/L	0.0469	0.0369	0.0010	7647303
Total Beryllium (Be)	mg/L	<0.00010	<0.00010	0.00010	7647303
Total Bismuth (Bi)	mg/L	<0.0010	<0.0010	0.0010	7647303
Total Boron (B)	mg/L	0.056	<0.050	0.050	7647303
Total Cadmium (Cd)	mg/L	0.000020	0.000019	0.000010	7647303
Total Chromium (Cr)	mg/L	0.0018	<0.0010	0.0010	7647303
Total Cobalt (Co)	mg/L	0.00059	0.00135	0.00020	7647303
Total Copper (Cu)	mg/L	0.00378	0.00574	0.00050	7647303
Total Iron (Fe)	mg/L	0.483	0.139	0.010	7647303
Total Lead (Pb)	mg/L	0.00021	<0.00020	0.00020	7647303
Total Lithium (Li)	mg/L	0.0162	0.0122	0.0020	7647303
Total Manganese (Mn)	mg/L	0.0431	0.0097	0.0010	7647303
Total Molybdenum (Mo)	mg/L	0.0015	<0.0010	0.0010	7647303
Total Nickel (Ni)	mg/L	0.0086	0.0105	0.0010	7647303
Total Selenium (Se)	mg/L	<0.00010	<0.00010	0.00010	7647303
Total Silicon (Si)	mg/L	1.93	1.63	0.10	7647303
Total Silver (Ag)	mg/L	<0.000020	<0.000020	0.000020	7647303
Total Strontium (Sr)	mg/L	0.588	0.442	0.0010	7647303
Total Thallium (Tl)	mg/L	0.000012	<0.000010	0.000010	7647303
Total Tin (Sn)	mg/L	<0.0050	<0.0050	0.0050	7647303
Total Titanium (Ti)	mg/L	0.0133	<0.0050	0.0050	7647303
Total Uranium (U)	mg/L	0.00226	0.00191	0.00010	7647303
Total Vanadium (V)	mg/L	<0.0050	<0.0050	0.0050	7647303
Total Zinc (Zn)	mg/L	0.0290	<0.0050	0.0050	7647303
Total Zirconium (Zr)	mg/L	0.00017	0.00012	0.00010	7647303
Total Calcium (Ca)	mg/L	102	89.5	0.050	7646347
Total Magnesium (Mg)	mg/L	16.9	16.2	0.050	7646347
Total Potassium (K)	mg/L	10.0	8.40	0.050	7646347
RDL = Reportable Detection Limit					
QC Batch = Quality Control Batch					



TOTAL ICPMS METALS FOR CCME CEQG FOR SW (WATER)

Bureau Veritas ID		QXA252	QXA253		
Sampling Date		2021/10/05 14:18	2021/10/05 13:50		
COC Number		n/a	n/a		
	UNITS	MEL-SR1	MEL-SR7	RDL	QC Batch
Total Sodium (Na)	mg/L	53.0	60.9	0.050	7646347
Total Sulphur (S)	mg/L	42.4	41.1	3.0	7646347
Calculated Parameters					
Total Hardness (CaCO ₃)	mg/L	325	290	0.50	7646309
RDL = Reportable Detection Limit					
QC Batch = Quality Control Batch					



BUREAU
VERITAS

Bureau Veritas Job #: C1T4687

Report Date: 2021/10/21

Agnico-Eagle

Site Location: MELIADINE

Your P.O. #: OL-1006009

Sampler Initials: BF

RESULTS OF ANALYSES OF WATER

Bureau Veritas ID		QXA252			QXA252			QXA253		
Sampling Date		2021/10/05 14:18			2021/10/05 14:18			2021/10/05 13:50		
COC Number		n/a			n/a			n/a		
	UNITS	MEL-SR1	RDL	QC Batch	MEL-SR1 Lab-Dup	RDL	QC Batch	MEL-SR7	RDL	QC Batch

Calculated Parameters

Calculated TDS	mg/L	530	1.0	7631691				510	1.0	7631691
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Inorganics

Total Ammonia-N	mg/L	<0.050	0.050	7640156				0.061	0.050	7640156
Total Dissolved Solids	mg/L	605	10	7637666				560	10	7637666
Fluoride (F-)	mg/L	0.15	0.10	7635172				0.11	0.10	7635172
Orthophosphate (P)	mg/L	<0.010	0.010	7635081				<0.010	0.010	7635081
pH	pH	8.02		7635174				8.08		7635174
Total Phosphorus	mg/L	<0.020	0.020	7636076				<0.020	0.020	7636076
Reactive Silica (SiO2)	mg/L	3.1	0.050	7643838				3.4	0.050	7643838
Total Suspended Solids	mg/L	16	1	7646239				4	1	7646239
Dissolved Sulphate (SO4)	mg/L	120	1.0	7635073				110	1.0	7635073
Total Cyanide (CN)	mg/L	<0.0050	0.0050	7633478				<0.0050	0.0050	7633478
Turbidity	NTU	11	0.1	7632512				3.1	0.1	7632512
Alkalinity (Total as CaCO3)	mg/L	180	1.0	7635173				160	1.0	7635173
Dissolved Chloride (Cl-)	mg/L	120	1.0	7635072				130	1.0	7635072
Nitrite (N)	mg/L	<0.010	0.010	7634560	<0.010	0.010	7634560	<0.010	0.010	7634574
Nitrate (N)	mg/L	0.23	0.10	7634560	0.22	0.10	7634560	0.27	0.10	7634574
Nitrate + Nitrite (N)	mg/L	0.23	0.10	7634560	0.22	0.10	7634560	0.27	0.10	7634574

Petroleum Hydrocarbons

Total Oil & Grease	mg/L	1.0	0.50	7645155				0.90	0.50	7645155
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RDL = Reportable Detection Limit

QC Batch = Quality Control Batch

Lab-Dup = Laboratory Initiated Duplicate



BUREAU
VERITAS

Bureau Veritas Job #: C1T4687

Report Date: 2021/10/21

Agnico-Eagle

Site Location: MELIADINE

Your P.O. #: OL-1006009

Sampler Initials: BF

ELEMENTS BY ATOMIC SPECTROSCOPY (WATER)

Bureau Veritas ID		QXA252	QXA253		
Sampling Date		2021/10/05 14:18	2021/10/05 13:50		
COC Number		n/a	n/a		
	UNITS	MEL-SR1	MEL-SR7	RDL	QC Batch
Metals					
Mercury (Hg)	mg/L	<0.00001	<0.00001	0.00001	7638938
RDL = Reportable Detection Limit					
QC Batch = Quality Control Batch					



**BUREAU
VERITAS**

Bureau Veritas Job #: C1T4687

Report Date: 2021/10/21

Agnico-Eagle

Site Location: MELIADINE

Your P.O. #: OL-1006009

Sampler Initials: BF

TEST SUMMARY

Bureau Veritas ID: QXA252
Sample ID: MEL-SR1
Matrix: Water

Collected: 2021/10/05
Shipped:
Received: 2021/10/08

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
Alkalinity	AT	7635173	N/A	2021/10/14	Surinder Rai
Chloride by Automated Colourimetry	KONE	7635072	N/A	2021/10/14	Alina Dobreanu
Total Cyanide	SKAL/CN	7633478	2021/10/13	2021/10/13	Nimarta Singh
Fluoride	ISE	7635172	2021/10/13	2021/10/14	Surinder Rai
Mercury (low level)	CV/AA	7638938	2021/10/15	2021/10/15	Gagandeep Rai
Hardness Total (calculated as CaCO ₃)	CALC	7646309	N/A	2021/10/19	Automated Statchk
Hardness (calculated as CaCO ₃)	CALC	7643360	N/A	2021/10/20	Automated Statchk
Na, K, Ca, Mg, S by CRC ICPMS (diss.)	ICP	7643361	N/A	2021/10/20	Automated Statchk
Elements by CRC ICPMS (dissolved)	ICP/MS	7650408	N/A	2021/10/20	Andrew An
Na, K, Ca, Mg, S by CRC ICPMS (total)	ICP	7646347	2021/10/19	2021/10/19	Automated Statchk
Elements by CRC ICPMS (total)	ICP/MS	7647303	2021/10/18	2021/10/19	Andrew An
Silica (Reactive)	KONE	7643838	N/A	2021/10/17	Serena Tian
Total Ammonia-N	LACH/NH ₄	7640156	N/A	2021/10/18	Amanpreet Sappal
Nitrate & Nitrite as Nitrogen in Water	LACH	7634560	N/A	2021/10/14	Chandra Nandlal
Total Oil and Grease	BAL	7645155	2021/10/19	2021/10/19	Mitul Patel
pH	AT	7635174	2021/10/13	2021/10/14	Surinder Rai
Orthophosphate	KONE	7635081	N/A	2021/10/14	Avneet Kour Sudan
Sulphate by Automated Colourimetry	KONE	7635073	N/A	2021/10/14	Avneet Kour Sudan
Calculated Total Dissolved Solids	CALC	7631691	N/A	2021/10/21	Automated Statchk
Total Dissolved Solids	BAL	7637666	2021/10/14	2021/10/15	Shaneil Hall
Total Phosphorus (Colourimetric)	LACH/P	7636076	2021/10/14	2021/10/14	Shivani Shivani
Low Level Total Suspended Solids	BAL	7646239	2021/10/19	2021/10/20	Sandeep Kaur
Turbidity	AT	7632512	N/A	2021/10/13	Neil Dassanayake

Bureau Veritas ID: QXA252 Dup
Sample ID: MEL-SR1
Matrix: Water

Collected: 2021/10/05
Shipped:
Received: 2021/10/08

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
Nitrate & Nitrite as Nitrogen in Water	LACH	7634560	N/A	2021/10/14	Chandra Nandlal

Bureau Veritas ID: QXA253
Sample ID: MEL-SR7
Matrix: Water

Collected: 2021/10/05
Shipped:
Received: 2021/10/08

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
Alkalinity	AT	7635173	N/A	2021/10/14	Surinder Rai
Chloride by Automated Colourimetry	KONE	7635072	N/A	2021/10/14	Alina Dobreanu
Total Cyanide	SKAL/CN	7633478	2021/10/13	2021/10/13	Nimarta Singh
Fluoride	ISE	7635172	2021/10/13	2021/10/14	Surinder Rai
Mercury (low level)	CV/AA	7638938	2021/10/15	2021/10/15	Gagandeep Rai
Hardness Total (calculated as CaCO ₃)	CALC	7646309	N/A	2021/10/19	Automated Statchk
Hardness (calculated as CaCO ₃)	CALC	7643360	N/A	2021/10/20	Automated Statchk
Na, K, Ca, Mg, S by CRC ICPMS (diss.)	ICP	7643361	N/A	2021/10/20	Automated Statchk
Elements by CRC ICPMS (dissolved)	ICP/MS	7650408	N/A	2021/10/20	Andrew An



BUREAU
VERITAS

Bureau Veritas Job #: C1T4687

Report Date: 2021/10/21

Agnico-Eagle

Site Location: MELIADINE

Your P.O. #: OL-1006009

Sampler Initials: BF

TEST SUMMARY

Bureau Veritas ID: QXA253
Sample ID: MEL-SR7
Matrix: Water

Collected: 2021/10/05
Shipped:
Received: 2021/10/08

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
Na, K, Ca, Mg, S by CRC ICPMS (total)	ICP	7646347	2021/10/19	2021/10/19	Automated Statchk
Elements by CRC ICPMS (total)	ICP/MS	7647303	2021/10/18	2021/10/19	Andrew An
Silica (Reactive)	KONE	7643838	N/A	2021/10/17	Serena Tian
Total Ammonia-N	LACH/NH4	7640156	N/A	2021/10/18	Amanpreet Sappal
Nitrate & Nitrite as Nitrogen in Water	LACH	7634574	N/A	2021/10/14	Chandra Nandlal
Total Oil and Grease	BAL	7645155	2021/10/19	2021/10/19	Mitul Patel
pH	AT	7635174	2021/10/13	2021/10/14	Surinder Rai
Orthophosphate	KONE	7635081	N/A	2021/10/14	Avneet Kour Sudan
Sulphate by Automated Colourimetry	KONE	7635073	N/A	2021/10/14	Avneet Kour Sudan
Calculated Total Dissolved Solids	CALC	7631691	N/A	2021/10/21	Automated Statchk
Total Dissolved Solids	BAL	7637666	2021/10/14	2021/10/15	Shaneil Hall
Total Phosphorus (Colourimetric)	LACH/P	7636076	2021/10/14	2021/10/14	Shivani Shivani
Low Level Total Suspended Solids	BAL	7646239	2021/10/19	2021/10/20	Sandeep Kaur
Turbidity	AT	7632512	N/A	2021/10/13	Neil Dassanayake



GENERAL COMMENTS

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

Package 1	15.3°C
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Sample QXA252 [MEL-SR1] : The sample for dissolved metals was filtered and preserved at the lab. Values may not reflect concentrations at the time of sampling.

Sample QXA253 [MEL-SR7] : The sample for dissolved metals was filtered and preserved at the lab. Values may not reflect concentrations at the time of sampling.

Results relate only to the items tested.

BUREAU
VERITAS

Bureau Veritas Job #: C1T4687

Report Date: 2021/10/21

QUALITY ASSURANCE REPORT

Agnico-Eagle

Site Location: MELIADINE

Your P.O. #: OL-1006009

Sampler Initials: BF

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
7632512	Turbidity	2021/10/13			95	85 - 115	<0.1	NTU	17	20		
7633478	Total Cyanide (CN)	2021/10/13	101	80 - 120	100	80 - 120	<0.0050	mg/L	NC	20		
7634560	Nitrate (N)	2021/10/14	104	80 - 120	100	80 - 120	<0.10	mg/L	4.5	20		
7634560	Nitrite (N)	2021/10/14	105	80 - 120	101	80 - 120	<0.010	mg/L	NC	20		
7634574	Nitrate (N)	2021/10/14	94	80 - 120	99	80 - 120	<0.10	mg/L	1.2	20		
7634574	Nitrite (N)	2021/10/14	100	80 - 120	101	80 - 120	<0.010	mg/L	2.0	20		
7635072	Dissolved Chloride (Cl-)	2021/10/14	NC	80 - 120	102	80 - 120	<1.0	mg/L	6.0	20		
7635073	Dissolved Sulphate (SO4)	2021/10/14	NC	75 - 125	100	80 - 120	<1.0	mg/L	0.60	20		
7635081	Orthophosphate (P)	2021/10/14	115	75 - 125	100	80 - 120	<0.010	mg/L	NC	25		
7635172	Fluoride (F-)	2021/10/14	96	80 - 120	98	80 - 120	<0.10	mg/L	NC	20		
7635173	Alkalinity (Total as CaCO3)	2021/10/14			97	85 - 115	<1.0	mg/L	10	20		
7635174	pH	2021/10/14			101	98 - 103			0.15	N/A		
7636076	Total Phosphorus	2021/10/14	99	80 - 120	101	80 - 120	<0.020	mg/L	3.2	20	98	80 - 120
7637666	Total Dissolved Solids	2021/10/15					<10	mg/L	0.47	25	100	90 - 110
7638938	Mercury (Hg)	2021/10/15	100	75 - 125	101	80 - 120	<0.00001	mg/L	NC	20		
7640156	Total Ammonia-N	2021/10/18	97	75 - 125	101	80 - 120	<0.050	mg/L	NC	20		
7643838	Reactive Silica (SiO2)	2021/10/17	99	80 - 120	105	80 - 120	<0.050	mg/L	3.5	20		
7645155	Total Oil & Grease	2021/10/19			98	85 - 115	<0.50	mg/L	0	25		
7646239	Total Suspended Solids	2021/10/20					<1	mg/L	15	25	95	85 - 115
7647303	Total Aluminum (Al)	2021/10/19	103	80 - 120	102	80 - 120	<0.0030	mg/L				
7647303	Total Antimony (Sb)	2021/10/19	104	80 - 120	105	80 - 120	<0.00050	mg/L				
7647303	Total Arsenic (As)	2021/10/19	104	80 - 120	103	80 - 120	<0.00010	mg/L				
7647303	Total Barium (Ba)	2021/10/19	104	80 - 120	104	80 - 120	<0.0010	mg/L				
7647303	Total Beryllium (Be)	2021/10/19	100	80 - 120	103	80 - 120	<0.00010	mg/L				
7647303	Total Bismuth (Bi)	2021/10/19	102	80 - 120	103	80 - 120	<0.0010	mg/L				
7647303	Total Boron (B)	2021/10/19	101	80 - 120	104	80 - 120	<0.050	mg/L				
7647303	Total Cadmium (Cd)	2021/10/19	105	80 - 120	102	80 - 120	<0.000010	mg/L				
7647303	Total Chromium (Cr)	2021/10/19	103	80 - 120	102	80 - 120	<0.0010	mg/L				
7647303	Total Cobalt (Co)	2021/10/19	102	80 - 120	100	80 - 120	<0.00020	mg/L				
7647303	Total Copper (Cu)	2021/10/19	101	80 - 120	100	80 - 120	<0.00050	mg/L				
7647303	Total Iron (Fe)	2021/10/19	103	80 - 120	104	80 - 120	<0.010	mg/L				
7647303	Total Lead (Pb)	2021/10/19	103	80 - 120	104	80 - 120	<0.00020	mg/L				



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VERITAS

Bureau Veritas Job #: C1T4687

Report Date: 2021/10/21

QUALITY ASSURANCE REPORT(CONT'D)

Agnico-Eagle

Site Location: MELIADINE

Your P.O. #: OL-1006009

Sampler Initials: BF

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
7647303	Total Lithium (Li)	2021/10/19	96	80 - 120	101	80 - 120	<0.0020	mg/L				
7647303	Total Manganese (Mn)	2021/10/19	NC	80 - 120	102	80 - 120	<0.0010	mg/L				
7647303	Total Molybdenum (Mo)	2021/10/19	108	80 - 120	108	80 - 120	<0.0010	mg/L				
7647303	Total Nickel (Ni)	2021/10/19	103	80 - 120	101	80 - 120	<0.0010	mg/L				
7647303	Total Selenium (Se)	2021/10/19	107	80 - 120	102	80 - 120	<0.00010	mg/L				
7647303	Total Silicon (Si)	2021/10/19	107	80 - 120	109	80 - 120	<0.10	mg/L				
7647303	Total Silver (Ag)	2021/10/19	103	80 - 120	100	80 - 120	<0.000020	mg/L				
7647303	Total Strontium (Sr)	2021/10/19	106	80 - 120	103	80 - 120	<0.0010	mg/L				
7647303	Total Thallium (Tl)	2021/10/19	106	80 - 120	104	80 - 120	<0.000010	mg/L				
7647303	Total Tin (Sn)	2021/10/19	103	80 - 120	102	80 - 120	<0.0050	mg/L				
7647303	Total Titanium (Ti)	2021/10/19	106	80 - 120	106	80 - 120	<0.0050	mg/L				
7647303	Total Uranium (U)	2021/10/19	105	80 - 120	105	80 - 120	<0.00010	mg/L				
7647303	Total Vanadium (V)	2021/10/19	105	80 - 120	103	80 - 120	<0.0050	mg/L				
7647303	Total Zinc (Zn)	2021/10/19	104	80 - 120	102	80 - 120	<0.0050	mg/L				
7647303	Total Zirconium (Zr)	2021/10/19	99	80 - 120	102	80 - 120	<0.00010	mg/L				
7650408	Dissolved Aluminum (Al)	2021/10/20	89	80 - 120	92	80 - 120	<0.0030	mg/L	0.49	20		
7650408	Dissolved Antimony (Sb)	2021/10/20	97	80 - 120	97	80 - 120	<0.00050	mg/L	NC	20		
7650408	Dissolved Arsenic (As)	2021/10/20	101	80 - 120	98	80 - 120	<0.00010	mg/L	0.28	20		
7650408	Dissolved Barium (Ba)	2021/10/20	93	80 - 120	96	80 - 120	<0.0010	mg/L	0.56	20		
7650408	Dissolved Beryllium (Be)	2021/10/20	98	80 - 120	105	80 - 120	<0.00010	mg/L	NC	20		
7650408	Dissolved Bismuth (Bi)	2021/10/20	88	80 - 120	94	80 - 120	<0.0010	mg/L	NC	20		
7650408	Dissolved Boron (B)	2021/10/20	80	80 - 120	84	80 - 120	<0.050	mg/L	NC	20		
7650408	Dissolved Cadmium (Cd)	2021/10/20	94	80 - 120	97	80 - 120	<0.000010	mg/L	NC	20		
7650408	Dissolved Chromium (Cr)	2021/10/20	90	80 - 120	97	80 - 120	<0.0010	mg/L	NC	20		
7650408	Dissolved Cobalt (Co)	2021/10/20	89	80 - 120	97	80 - 120	<0.00020	mg/L	NC	20		
7650408	Dissolved Copper (Cu)	2021/10/20	83	80 - 120	95	80 - 120	<0.00020	mg/L	0.64	20		
7650408	Dissolved Iron (Fe)	2021/10/20	96	80 - 120	100	80 - 120	<0.0050	mg/L	4.7	20		
7650408	Dissolved Lead (Pb)	2021/10/20	92	80 - 120	96	80 - 120	<0.00020	mg/L	NC	20		
7650408	Dissolved Lithium (Li)	2021/10/20	82	80 - 120	88	80 - 120	<0.0020	mg/L	1.3	20		
7650408	Dissolved Manganese (Mn)	2021/10/20	91	80 - 120	98	80 - 120	<0.0010	mg/L	1.4	20		
7650408	Dissolved Molybdenum (Mo)	2021/10/20	106	80 - 120	99	80 - 120	<0.0010	mg/L	3.7	20		
7650408	Dissolved Nickel (Ni)	2021/10/20	87	80 - 120	97	80 - 120	<0.0010	mg/L	2.6	20		



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QUALITY ASSURANCE REPORT(CONT'D)

Agnico-Eagle

Site Location: MELIADINE

Your P.O. #: OL-1006009

Sampler Initials: BF

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
7650408	Dissolved Selenium (Se)	2021/10/20	102	80 - 120	102	80 - 120	<0.00010	mg/L	NC	20		
7650408	Dissolved Silicon (Si)	2021/10/20	94	80 - 120	94	80 - 120	<0.10	mg/L	0.87	20		
7650408	Dissolved Silver (Ag)	2021/10/20	89	80 - 120	93	80 - 120	<0.000020	mg/L	NC	20		
7650408	Dissolved Strontium (Sr)	2021/10/20	NC	80 - 120	92	80 - 120	<0.0010	mg/L	1.8	20		
7650408	Dissolved Thallium (Tl)	2021/10/20	93	80 - 120	94	80 - 120	<0.000010	mg/L	NC	20		
7650408	Dissolved Tin (Sn)	2021/10/20	97	80 - 120	96	80 - 120	<0.0050	mg/L	NC	20		
7650408	Dissolved Titanium (Ti)	2021/10/20	98	80 - 120	100	80 - 120	<0.0050	mg/L	NC	20		
7650408	Dissolved Uranium (U)	2021/10/20	97	80 - 120	96	80 - 120	<0.00010	mg/L	0.92	20		
7650408	Dissolved Vanadium (V)	2021/10/20	96	80 - 120	99	80 - 120	<0.0050	mg/L	NC	20		
7650408	Dissolved Zinc (Zn)	2021/10/20	89	80 - 120	100	80 - 120	<0.0050	mg/L	NC	20		
7650408	Dissolved Zirconium (Zr)	2021/10/20	106	80 - 120	98	80 - 120	<0.00010	mg/L	2.3	20		

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 $\leq 2 \times \text{RDL}$).



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Bureau Veritas Job #: C1T4687

Report Date: 2021/10/21

Agnico-Eagle

Site Location: MELIADINE

Your P.O. #: OL-1006009

Sampler Initials: BF

VALIDATION SIGNATURE PAGE

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

Anastassia Hamanov, Scientific Specialist

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Maria Magdalena Florescu, Ph.D., P.Chem., QP, Inorganics Manager

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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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Bureau Veritas Job #: C1T4687

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Agnico-Eagle

Site Location: MELIADINE

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Sampler Initials: BF

Exceedance Summary Table – Metal Mining Effluent Reg
Result Exceedances

Sample ID	Bureau Veritas 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.						