November 9th, 2024

Kyle Amsel
Resource Management Officer
Kivalliq Region, Field Operations Unit
Crown-Indigenous Relations and Northern Affairs Canada
Rankin Inlet, NU
X0C 0G0

Sent via email: kyle.amsel@rcaanc-cirnac.gc.ca

Re: Follow-up Report Spill #2024-496 – Release of 200 m³ of treated water at the Meliadine Gold Project

On October 13th, 2024, the Nunavut Spill Line was notified by Agnico Eagle personnel via email (spills@gov.nt.ca) of a release of 200 m^3 of treated water at the Meliadine Gold Project site (coordinates: 63 1'47.02"N, 92 12'20.83"W). This follow-up report provides supplemental information based on the results of the incident assessment and is being provided in accordance with:

- Nunavut Water Board 2AM-MEL1631 Water Licence (the Licence), Part H, Item 8c.

Description of Incident

On October 12th, 2024, at approximately 10:45AM, it was noted during winterization of a nearby pipe, that treated water was leaking from the Meliadine Lake effluent pipe behind D-CP1. It was estimated that 200m^3 of treated water was released into the tundra. This is the discharge pipe from the Effluent Water Treatment Plant (EWTP) to Meliadine Lake at monitoring station and Final Discharge Point (FDP) MEL-14. The incident was a result of a damaged tapping sleeve on the effluent pipe.

The closest water body (H5) is approximately 240 meters north, as seen in Figure 1.

Figure 1: Location of the spill and proximity to waterbodies.

Response and Remediation

Upon discovering the leak, discharge to Meliadine Lake was suspended and the tapping sleeve was repaired on October 13th, 2024, in the early morning. Once the sleeve was repaired, the discharge to Meliadine Lake was resumed and the effluent water pipe was inspected to confirm there were no leaks. A small sump was excavated to collect the released water from the tundra and pump it back into CP1 for treatment through the EWTP and discharge to Meliadine Lake.

Root Cause and Corrective Measures

An assessment was conducted soon after the incident to determine the root cause and contributing factors. The assessment concluded with the following:

- This leak was due to equipment failure of a tapping sleeve on the effluent pipe.
- The effluent pipe had moved off the cribbing used to support the pipe, which allowed the tapping sleeve outlet to contact the ground.
- The decreasing temperatures may have caused the pipe to contract, creating a leak in the tapping sleeve.

The following corrective and preventative actions have been implemented to address the root cause and to reduce the likelihood of reoccurrence:

- The tapping sleeve was repaired shortly after the discovery of the leak and cribbing was placed to support the sleeve.
- As a preventative measure, the procedure for checking the lines was modified to include photo documentation of the line inspection prior to discharge.

Should you have any questions or require further information, please do not hesitate to contact the undersigned.

Randy Schwandt | Environment Coordinator
randy.schwandt@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 – Photos

Photo 1: Location of leaking sleeve and treated water release.

Photo 2: Sump excavated to collect the treated water.

Photo 3: Repair leak and cribbing at the area of the treated water release.

AGNICO EAGLE
MELIADINE

Appendix B – Certificate of Analysis

Your P.O. #: OL-1381216
Site Location: Meliadine
Your C.O.C. #: 975695

Attention: Reporting

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

Report Date: 2024/10/24
Report #: R8375374
Version: 4 - Final

CERTIFICATE OF ANALYSIS

BUREAU VERITAS JOB #: C4V8293
Received: 2024/10/09, 10:00

Sample Matrix: Surface Water
Samples Received: 3

Analyses	Quantity	Date Extracted	Date Analyzed	Laboratory Method	Analytical Method
Alkalinity (1)	3	N/A	2024/10/11	CAM SOP-00448	SM 24 2320 B m
Carbonate, Bicarbonate and Hydroxide (1)	3	N/A	2024/10/11	CAM SOP-00102	APHA 4500-CO2 D
Biochemical Oxygen Demand (BOD) (1)	3	2024/10/10	2024/10/15	CAM SOP-00427	SM 24 5210B m
Chloride by Automated Colourimetry (1)	3	N/A	2024/10/11	CAM SOP-00463	SM 24 4500-Cl E m
Conductivity (1)	3	N/A	2024/10/11	CAM SOP-00414	SM 24 2510 m
Dissolved Organic Carbon (DOC) (1, 5)	3	N/A	2024/10/10	CAM SOP-00446	SM 24 5310 B m
Field Measured Dissolved Oxygen (1, 6)	3	N/A	2024/10/10		Field pH Meter
Dissolved Oxygen (1)	3	2024/10/10	2024/10/10	CAM SOP-00427	SM 24 4500 O G m
Field Measured Conductivity (1, 6)	3	N/A	2024/10/10		Field Meter
Petroleum Hydro. CCME F1 & BTEX in Water (1)	3	N/A	2024/10/10	CAM SOP-00315	CCME PHC-CWS m
Petroleum Hydrocarbons F2-F4 in Water (1, 7)	3	2024/10/10	2024/10/11	CAM SOP-00316	CCME PHC-CWS m
Fluoride (1)	3	2024/10/10	2024/10/11	CAM SOP-00449	SM 24 4500-F C m
Dissolved Mercury (low level) (1)	3	2024/10/10	2024/10/11	CAM SOP-00453	EPA 7470 m
Mercury (low level) (1)	3	2024/10/10	2024/10/11	CAM SOP-00453	EPA 7470 m
Lab Filtered Metals Analysis by ICP (1)	3	2024/10/10	2024/10/11	CAM SOP-00408	EPA 6010D m
Low Level Chloride and Sulphate by AC (2)	3	N/A	2024/10/15	AB SOP-00020	SM24-4500-Cl/SO4-E m
Cyanide (Free) (2)	3	N/A	2024/10/15	CAL SOP-00266	EPA 9016d R0 m
Cyanide, Strong Acid Dissociable (SAD) (2)	3	2024/10/13	2024/10/15	CAL SOP-00270	SM 24 4500-CN m
Cyanide WAD (weak acid dissociable) (2)	3	N/A	2024/10/15	CAL SOP-00270	SM 24 4500-CN m
Hardness Total (calculated as CaCO3) (3, 8)	3	N/A	2024/10/16	BBY WI-00033	Auto Calc
Hardness (calculated as CaCO3) (3)	3	N/A	2024/10/16	BBY WI-00033	Auto Calc
Na, K, Ca, Mg, S by CRC ICPMS (diss.) (3)	3	N/A	2024/10/16	BBY WI-00033	Auto Calc
Elements by CRC ICPMS (dissolved) (3)	3	N/A	2024/10/16	BBY7SOP-00002	EPA 6020b R2 m
Na, K, Ca, Mg, S by CRC ICPMS (total) (3)	3	2024/10/10	2024/10/16	BBY WI-00033	Auto Calc
Elements by CRC ICPMS (total) (3)	3	2024/10/15	2024/10/16	BBY7SOP-00003 / BBY7SOP-00002	EPA 6020b R2 m
Silica (Reactive) (2)	3	N/A	2024/10/17	AB SOP-00011	EPA 370.1 R1978 m
Total Ammonia-N (1)	3	N/A	2024/10/10	CAM SOP-00441	USGS I-2522-90 m
Nitrate & Nitrite as Nitrogen in Water (1, 9)	3	N/A	2024/10/11	CAM SOP-00440	SM 24 4500-NO3I/NO2B
pH (1, 10)	3	2024/10/10	2024/10/11	CAM SOP-00413	SM 24th - 4500H+ B
Field Measured pH (1, 6)	3	N/A	2024/10/10		Field pH Meter

Your P.O. #: OL-1381216
Site Location: Meliadine
Your C.O.C. #: 975695

Attention: Reporting

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

Report Date: 2024/10/24
Report #: R8375374
Version: 4 - Final

CERTIFICATE OF ANALYSIS

BUREAU VERITAS JOB #: C4V8293
Received: 2024/10/09, 10:00

Sample Matrix: Surface Water
Samples Received: 3

Analyses	Quantity	Date Extracted	Date Analyzed	Laboratory Method	Analytical Method
Orthophosphate (1)	3	N/A	2024/10/11	CAM SOP-00461	SM 24 4500-P E
Radium-226 Low Level (4, 11)	3	N/A	2024/10/23	BQL SOP-00006 BQL SOP-00017 BQL SOP-00032	Alpha Spectrometry
Salinity (1)	3	2024/10/10	2024/10/10	AUTO-CALC	SM 23 2520B
Sodium Adsorption Ratio (SAR) (1)	3	N/A	2024/10/11	CAM SOP-00102	EPA 6010C
Total Dissolved Solids (TDS calc) (1)	3	N/A	2024/10/18		Auto Calc
Calculated Total Dissolved Solids (1)	3	N/A	2024/10/18		Auto Calc
Total Dissolved Solids (1)	3	2024/10/10	2024/10/11	CAM SOP-00428	SM 24 2540C m
Field Temperature (1, 6)	3	N/A	2024/10/10		Field Thermometer
Total Kjeldahl Nitrogen in Water (1)	3	2024/10/10	2024/10/11	CAM SOP-00938	OMOE E3516 m
Total Organic Carbon (TOC) (1, 12)	1	N/A	2024/10/10	CAM SOP-00446	SM 24 5310B m
Total Organic Carbon (TOC) (1, 12)	2	N/A	2024/10/11	CAM SOP-00446	SM 24 5310B m
Total Phosphorus (Colourimetric) (1)	3	2024/10/10	2024/10/11	CAM SOP-00407	SM 24 4500-P I
Low Level Total Suspended Solids (1)	3	2024/10/10	2024/10/11	CAM SOP-00428	SM 24 2540D m
Turbidity (1)	3	N/A	2024/10/10	CAM SOP-00417	SM 24 2130 B
Turbidity - On-site (1)	3	N/A	2024/10/10		
Un-ionized Ammonia (as N) (1, 13)	3	2024/10/10	2024/10/11	Calculation	Calculation

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, EPA, APHA or the Quebec Ministry of Environment.

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

Your P.O. #: OL-1381216
Site Location: Meliadine
Your C.O.C. #: 975695

Attention: Reporting

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

Report Date: 2024/10/24
Report #: R8375374
Version: 4 - Final

CERTIFICATE OF ANALYSIS

BUREAU VERITAS JOB #: C4V8293
Received: 2024/10/09, 10:00
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 Calgary (19th), 4000 19th Street NE , Calgary, AB, T2E 6P8
(3) This test was performed by Bureau Veritas Burnaby, 4606 Canada Way , Burnaby, BC, V5G 1K5
(4) This test was performed by Bureau Veritas Kitimat, 6790 Kitimat Road, Unit 4 , Mississauga, ON, L5N 5L9
(5) Dissolved Organic Carbon (DOC) present in the sample should be considered as non-purgeable DOC.
(6) This is a field test, therefore, the results relate to items that were not analysed at Bureau Veritas.
(7) All CCME PHC results met required criteria unless otherwise stated in the report. The CWS PHC methods employed by Bureau Veritas conform to all prescribed elements of the reference method and performance based elements have been validated. All modifications have been validated and proven equivalent following "Alberta Environment's Interpretation of the Reference Method for the Canada-Wide Standard for Petroleum Hydrocarbons in Soil Validation of Performance-Based Alternative Methods September 2003". Documentation is available upon request. Modifications from Reference Method for the Canada-wide Standard for Petroleum Hydrocarbons in Soil-Tier 1 Method: F2/F3/F4 data reported using validated cold solvent extraction instead of Soxhlet extraction.
(8) "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).
(9) Values for calculated parameters may not appear to add up due to rounding of raw data and significant figures.
(10) "The CCME method and Analytical Protocol (O. Reg 153/04, O. Reg. 406/19) requires pH to be analyzed within 15 minutes of sampling and therefore field analysis is required for compliance. All Laboratory pH analyses in this report are reported past the CCME and Analytical Protocol (O. Reg 153/04, O. Reg. 406/19) holding time. Bureau Veritas endeavors to analyze samples as soon as possible after receipt."

(11) Radium-226 results have not been corrected for blanks.
(12) Total Organic Carbon (TOC) present in the sample should be considered as non-purgeable TOC.
(13) Un-ionized ammonia is calculated using the total ammonia result and field data provided by the client for pH and temperature.

Encryption Key

Please direct all questions regarding this Certificate of Analysis to:
Katherine Szozda, Project Manager
Email: Katherine.Szozda@bureauveritas.com
Phone# (613)274-0573 Ext:7063633

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Bureau Veritas 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 Signatures page if included, otherwise available by request. For Department specific Analyst/Supervisor validation names, please refer to the Test Summary section if included, otherwise available by request. This report is authorized by Rodney Major, General Manager responsible for Ontario Environmental laboratory operations.

Bureau Veritas Job #: C4V8293
Report Date: 2024/10/24

Agnico-Eagle
Site Location: Meliadine
Your P.O. #: OL-1381216
Sampler Initials: ks

RESULTS OF ANALYSES OF SURFACE WATER

Bureau Veritas ID		AFKM24			AFKM24		
Sampling Date		2024/10/07 07:20			2024/10/07 07:20		
COC Number		975695			975695		
	UNITS	MEL-14	RDL	QC Batch	MEL-14 Lab-Dup	RDL	QC Batch
Inorganics							
Salinity	N/A	<2	2	9693672			
Calculated Parameters							
Bicarb. Alkalinity (calc. as CaCO3)	mg/L	93	1.0	9693669			
Calculated TDS	mg/L	2100	1.0	9693677			
Carb. Alkalinity (calc. as CaCO3)	mg/L	<1.0	1.0	9693669			
Dissolved Hardness (CaCO3)	mg/L	741	0.50	9704551			
Sodium Adsorption Ratio	N/A	6.0		9693673			
Field Measurements							
Field Measured Conductivity	uS/cm	3434	N/A	ONSITE			
Field Measured Dissolved oxygen	mg/L	14.13	N/A	ONSITE			
Field Temperature	Celsius	6.3	N/A	ONSITE			
Field Measured Field Turbidity	NTU	1.46	N/A	ONSITE			
Field Measured pH	pH	7.55		ONSITE			
Inorganics							
Total Ammonia-N	mg/L	3.3 (1)	0.050	9694245			
Total BOD	mg/L	<2	2	9693463			
Conductivity	mS/cm	3.45	N/A	9695906	3.45	N/A	9695906
Free Cyanide (CN)	ug/L	<2.0 (2)	2.0	9704946			
Strong Acid Dissoc. Cyanide (CN)	mg/L	0.00354	0.00050	9702846			
Weak Acid Dissoc. Cyanide (CN)	mg/L	0.0020	0.00050	9702845			
Total Dissolved Solids	mg/L	2180	10	9695168			
Fluoride (F-)	mg/L	<0.10	0.10	9695903	<0.10	0.10	9695903
Total Kjeldahl Nitrogen (TKN)	mg/L	3.0 (1)	1.0	9696548			
Dissolved Organic Carbon	mg/L	9.0	0.40	9694723			

RDL = Reportable Detection Limit
QC Batch = Quality Control Batch
Lab-Dup = Laboratory Initiated Duplicate
N/A = Not Applicable
(1) TKN < NH4: Both values fall within acceptable RPD limits for duplicates and are likely equivalent.
(2) Interference checks not performed at the time of sampling. The lab cannot guarantee that interferences were not present at the time of sampling and that there is no low bias in results.

Agnico-Eagle
Site Location: Meliadine
Your P.O. #: OL-1381216
Sampler Initials: ks

RESULTS OF ANALYSES OF SURFACE WATER

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Sampling Date		2024/10/07 07:20			2024/10/07 07:20		
COC Number		975695			975695		
	UNITS	MEL-14	RDL	QC Batch	MEL-14 Lab-Dup	RDL	QC Batch
Total Organic Carbon (TOC)	mg/L	9.8	0.40	9694597			
Orthophosphate (P)	mg/L	<0.010	0.010	9695970			
Dissolved Oxygen	mg/L	11.4	0.050	9694330	11.4	0.050	9694330
pH	pH	7.61		9695896	7.66		9695896
Total Phosphorus	mg/L	0.033	0.020	9694492	0.032	0.020	9694492
Reactive Silica (SiO2)	mg/L	3.0	0.050	9707545			
Total Suspended Solids	mg/L	5	1	9694097			
Turbidity	NTU	0.8	0.1	9693454			
Alkalinity (Total as CaCO3)	mg/L	93	1.0	9695904	96	1.0	9695904
Dissolved Chloride (Cl-)	mg/L	740	10	9695968			
Nitrite (N)	mg/L	0.441	0.010	9694611			
Nitrate (N)	mg/L	19.2	0.10	9694611			
Dissolved Sulphate (SO4)	mg/L	460	2.5	9704945			
Nitrate + Nitrite (N)	mg/L	19.7	0.10	9694611			
Un-ionized Ammonia (as N)	mg/L	0.016	0.0004	9693679			
Metals							
Dissolved Aluminum (Al)	mg/L	0.126	0.0060	9708873			
Total Aluminum (Al)	mg/L	0.649	0.0060	9710230	0.657	0.0060	9710230
Dissolved Antimony (Sb)	mg/L	0.0011	0.0010	9708873			
Total Antimony (Sb)	mg/L	<0.0010	0.0010	9710230	<0.0010	0.0010	9710230
Dissolved Arsenic (As)	mg/L	0.00395	0.00020	9708873			
Total Arsenic (As)	mg/L	0.00633	0.00020	9710230	0.00630	0.00020	9710230
Dissolved Barium (Ba)	mg/L	0.0577	0.0020	9708873			
Total Barium (Ba)	mg/L	0.0517	0.0020	9710230	0.0520	0.0020	9710230
Dissolved Beryllium (Be)	mg/L	<0.00020	0.00020	9708873			
Total Beryllium (Be)	mg/L	<0.00020	0.00020	9710230	<0.00020	0.00020	9710230
Dissolved Boron (B)	mg/L	0.32	0.10	9708873			
Total Boron (B)	mg/L	0.28	0.10	9710230	0.27	0.10	9710230
Dissolved Cadmium (Cd)	mg/L	<0.000020	0.000020	9708873			

RDL = Reportable Detection Limit
QC Batch = Quality Control Batch
Lab-Dup = Laboratory Initiated Duplicate

Agnico-Eagle
Site Location: Meliadine
Your P.O. #: OL-1381216
Sampler Initials: ks

RESULTS OF ANALYSES OF SURFACE WATER

Bureau Veritas ID		AFKM24			AFKM24		
Sampling Date		2024/10/07 07:20			2024/10/07 07:20		
COC Number		975695			975695		
	UNITS	MEL-14	RDL	QC Batch	MEL-14 Lab-Dup	RDL	QC Batch
Total Cadmium (Cd)	mg/L	<0.000020	0.000020	9710230	<0.000020	0.000020	9710230
Dissolved Chromium (Cr)	mg/L	<0.0020	0.0020	9708873			
Total Chromium (Cr)	mg/L	<0.0020	0.0020	9710230	<0.0020	0.0020	9710230
Dissolved Cobalt (Co)	mg/L	0.00221	0.00040	9708873			
Total Cobalt (Co)	mg/L	0.00204	0.00040	9710230	0.00201	0.00040	9710230
Dissolved Copper (Cu)	mg/L	0.00224	0.00040	9708873			
Total Copper (Cu)	mg/L	0.0021	0.0010	9710230	0.0021	0.0010	9710230
Dissolved Iron (Fe)	mg/L	<0.010	0.010	9708873			
Total Iron (Fe)	mg/L	0.027	0.020	9710230	0.027	0.020	9710230
Dissolved Lead (Pb)	mg/L	<0.00040	0.00040	9708873			
Total Lead (Pb)	mg/L	<0.00040	0.00040	9710230	<0.00040	0.00040	9710230
Dissolved Lithium (Li)	mg/L	0.0305	0.0040	9708873			
Total Lithium (Li)	mg/L	0.0274	0.0040	9710230	0.0264	0.0040	9710230
Dissolved Manganese (Mn)	mg/L	0.203	0.0020	9708873			
Total Manganese (Mn)	mg/L	0.182	0.0020	9710230	0.184	0.0020	9710230
Dissolved Molybdenum (Mo)	mg/L	0.0056	0.0020	9708873			
Total Molybdenum (Mo)	mg/L	0.0050	0.0020	9710230	0.0050	0.0020	9710230
Dissolved Nickel (Ni)	mg/L	0.0140	0.0020	9708873			
Total Nickel (Ni)	mg/L	0.0125	0.0020	9710230	0.0127	0.0020	9710230
Dissolved Selenium (Se)	mg/L	0.00139	0.00020	9708873			
Total Selenium (Se)	mg/L	0.00126	0.00020	9710230	0.00125	0.00020	9710230
Dissolved Silver (Ag)	mg/L	<0.000040	0.000040	9708873			
Total Silver (Ag)	mg/L	<0.000040	0.000040	9710230	<0.000040	0.000040	9710230
Dissolved Strontium (Sr)	mg/L	1.90	0.0020	9708873			
Total Strontium (Sr)	mg/L	1.74	0.0020	9710230	1.71	0.0020	9710230
Dissolved Thallium (Tl)	mg/L	0.000027	0.000020	9708873			
Total Thallium (Tl)	mg/L	0.000026	0.000020	9710230	0.000024	0.000020	9710230
Dissolved Tin (Sn)	mg/L	<0.010	0.010	9708873			
Total Tin (Sn)	mg/L	<0.010	0.010	9710230	<0.010	0.010	9710230

RDL = Reportable Detection Limit
QC Batch = Quality Control Batch
Lab-Dup = Laboratory Initiated Duplicate

RESULTS OF ANALYSES OF SURFACE WATER

Bureau Veritas ID		AFKM24			AFKM24		
Sampling Date		2024/10/07 07:20			2024/10/07 07:20		
COC Number		975695			975695		
	UNITS	MEL-14	RDL	QC Batch	MEL-14 Lab-Dup	RDL	QC Batch
Dissolved Titanium (Ti)	mg/L	<0.010	0.010	9708873			
Total Titanium (Ti)	mg/L	<0.010	0.010	9710230	<0.010	0.010	9710230
Dissolved Uranium (U)	mg/L	0.00465	0.00020	9708873			
Total Uranium (U)	mg/L	0.00446	0.00020	9710230	0.00441	0.00020	9710230
Dissolved Vanadium (V)	mg/L	<0.010	0.010	9708873			
Total Vanadium (V)	mg/L	<0.010	0.010	9710230	<0.010	0.010	9710230
Dissolved Zinc (Zn)	mg/L	<0.010	0.010	9708873			
Total Zinc (Zn)	mg/L	<0.010	0.010	9710230	<0.010	0.010	9710230
Dissolved Calcium (Ca)	mg/L	187	0.10	9705898			
Total Calcium (Ca)	mg/L	168	0.10	9704554			
Dissolved Magnesium (Mg)	mg/L	66.3	0.10	9705898			
Total Magnesium (Mg)	mg/L	59.9	0.10	9704554			
Dissolved Potassium (K)	mg/L	27.0	0.10	9705898			
Total Potassium (K)	mg/L	24.0	0.10	9704554			
Dissolved Sodium (Na)	mg/L	347	0.10	9705898			
Total Sodium (Na)	mg/L	329	0.10	9704554			
RADIONUCLIDE							
Radium-226	Bq/L	0.010	0.0050	9709219			

RDL = Reportable Detection Limit
QC Batch = Quality Control Batch
Lab-Dup = Laboratory Initiated Duplicate

Bureau Veritas Job #: C4V8293
Report Date: 2024/10/24

Agnico-Eagle
Site Location: Meliadine
Your P.O. #: OL-1381216
Sampler Initials: ks

RESULTS OF ANALYSES OF SURFACE WATER

Bureau Veritas ID		AFKM25			AFKM25			AFKM26		
Sampling Date		2024/10/07 17:56			2024/10/07 17:56			2024/10/07 07:20		
COC Number		975695			975695			975695		
	UNITS	MEL-14 FB	RDL	QC Batch	MEL-14 FB Lab-Dup	RDL	QC Batch	MEL-14 DUP	RDL	QC Batch
Inorganics										
Salinity	N/A	<2	2	9693672				<2	2	9693672
Calculated Parameters										
Bicarb. Alkalinity (calc. as CaCO3)	mg/L	<1.0	1.0	9693669				95	1.0	9693669
Calculated TDS	mg/L	1.0	1.0	9693677				2100	1.0	9693677
Carb. Alkalinity (calc. as CaCO3)	mg/L	<1.0	1.0	9693669				<1.0	1.0	9693669
Dissolved Hardness (CaCO3)	mg/L	<0.50	0.50	9704551				823	0.50	9704551
Sodium Adsorption Ratio	N/A	0.27 (1)		9693674				6.0		9693674
Field Measurements										
Field Measured Conductivity	uS/cm	16.3	N/A	ONSITE				3434	N/A	ONSITE
Field Measured Dissolved oxygen	mg/L	6.85	N/A	ONSITE				14.13	N/A	ONSITE
Field Temperature	Celsius	18.7	N/A	ONSITE				6.3	N/A	ONSITE
Field Measured Field Turbidity	NTU	.21	N/A	ONSITE				1.46	N/A	ONSITE
Field Measured pH	pH	5.39		ONSITE				7.55		ONSITE
Inorganics										
Total Ammonia-N	mg/L	<0.050	0.050	9694245				3.4	0.050	9694245
Total BOD	mg/L	<2	2	9693463				<2	2	9693463
Conductivity	mS/cm	0.00120	N/A	9695906				3.45	N/A	9695906
Free Cyanide (CN)	ug/L	<2.0 (2)	2.0	9704946				<2.0 (2)	2.0	9704946
Strong Acid Dissoc. Cyanide (CN)	mg/L	<0.00050	0.00050	9702846				0.00293	0.00050	9702846
Weak Acid Dissoc. Cyanide (CN)	mg/L	<0.00050	0.00050	9702845				0.0019	0.00050	9702845
Total Dissolved Solids	mg/L	<10	10	9695168				2200	10	9695168
Fluoride (F-)	mg/L	<0.10	0.10	9695903				<0.10	0.10	9695903

RDL = Reportable Detection Limit
QC Batch = Quality Control Batch
Lab-Dup = Laboratory Initiated Duplicate
N/A = Not Applicable
(1) Sodium was not detected. To report SAR the sodium detection limit was used in the calculation. This value represents a maximum ratio.

(2) nterference checks not performed at the time of sampling. The lab cannot guarantee that interferences were not present at the time of sampling and that there is no low bias in results.

Bureau Veritas Job #: C4V8293
Report Date: 2024/10/24

Agnico-Eagle
Site Location: Meliadine
Your P.O. #: OL-1381216
Sampler Initials: ks

RESULTS OF ANALYSES OF SURFACE WATER

Bureau Veritas ID		AFKM25			AFKM25			AFKM26		
Sampling Date		2024/10/07 17:56			2024/10/07 17:56			2024/10/07 07:20		
COC Number		975695			975695			975695		
	UNITS	MEL-14 FB	RDL	QC Batch	MEL-14 FB Lab-Dup	RDL	QC Batch	MEL-14 DUP	RDL	QC Batch
Total Kjeldahl Nitrogen (TKN)	mg/L	<0.10	0.10	9696548				3.0 (1)	1.0	9696548
Dissolved Organic Carbon	mg/L	0.55	0.40	9694723				8.8	0.40	9694723
Total Organic Carbon (TOC)	mg/L	<0.40	0.40	9694597	<0.40	0.40	9694597	9.8	0.40	9694597
Orthophosphate (P)	mg/L	<0.010	0.010	9695970				<0.010	0.010	9695970
Dissolved Oxygen	mg/L	11.5	0.050	9694330				11.6	0.050	9694330
pH	pH	5.74		9695896				7.60		9695896
Total Phosphorus	mg/L	<0.020	0.020	9694492				0.030	0.020	9694492
Reactive Silica (SiO2)	mg/L	<0.050	0.050	9707545				2.9	0.050	9707545
Total Suspended Solids	mg/L	<1	1	9694097				5	1	9694097
Turbidity	NTU	<0.1	0.1	9693454				0.9	0.1	9693454
Alkalinity (Total as CaCO3)	mg/L	<1.0	1.0	9695904				95	1.0	9695904
Dissolved Chloride (Cl-)	mg/L	<1.0	1.0	9695968				750	10	9695968
Nitrite (N)	mg/L	<0.010	0.010	9694611				0.446	0.010	9694611
Nitrate (N)	mg/L	<0.10	0.10	9694611				19.3	0.10	9694611
Dissolved Sulphate (SO4)	mg/L	<0.50	0.50	9704945	<0.50	0.50	9704945	440	2.5	9704945
Nitrate + Nitrite (N)	mg/L	<0.10	0.10	9694611				19.7	0.10	9694611
Un-ionized Ammonia (as N)	mg/L	<0.0004	0.0004	9693679				0.017	0.0004	9693679
Metals										
Dissolved Aluminum (Al)	mg/L	<0.0030	0.0030	9708873				0.139	0.0060	9708873
Total Aluminum (Al)	mg/L	<0.0030	0.0030	9710230				0.706	0.0060	9710230
Dissolved Antimony (Sb)	mg/L	<0.00050	0.00050	9708873				0.0012	0.0010	9708873
Total Antimony (Sb)	mg/L	<0.00050	0.00050	9710230				0.0011	0.0010	9710230
Dissolved Arsenic (As)	mg/L	<0.00010	0.00010	9708873				0.00444	0.00020	9708873
Total Arsenic (As)	mg/L	<0.00010	0.00010	9710230				0.00671	0.00020	9710230
Dissolved Barium (Ba)	mg/L	<0.0010	0.0010	9708873				0.0650	0.0020	9708873
Total Barium (Ba)	mg/L	<0.0010	0.0010	9710230				0.0553	0.0020	9710230
Dissolved Beryllium (Be)	mg/L	<0.00010	0.00010	9708873				<0.00020	0.00020	9708873
Total Beryllium (Be)	mg/L	<0.00010	0.00010	9710230				<0.00020	0.00020	9710230

RDL = Reportable Detection Limit
QC Batch = Quality Control Batch
Lab-Dup = Laboratory Initiated Duplicate
(1) TKN < NH4: Both values fall within acceptable RPD limits for duplicates and are likely equivalent.

Bureau Veritas Job #: C4V8293
Report Date: 2024/10/24

Agnico-Eagle
Site Location: Meliadine
Your P.O. #: OL-1381216
Sampler Initials: ks

RESULTS OF ANALYSES OF SURFACE WATER

Bureau Veritas ID		AFKM25			AFKM25			AFKM26		
Sampling Date		2024/10/07 17:56			2024/10/07 17:56			2024/10/07 07:20		
COC Number		975695			975695			975695		
	UNITS	MEL-14 FB	RDL	QC Batch	MEL-14 FB Lab-Dup	RDL	QC Batch	MEL-14 DUP	RDL	QC Batch
Dissolved Boron (B)	mg/L	<0.050	0.050	9708873				0.35	0.10	9708873
Total Boron (B)	mg/L	<0.050	0.050	9710230				0.30	0.10	9710230
Dissolved Cadmium (Cd)	mg/L	<0.000010	0.000010	9708873				<0.000020	0.000020	9708873
Total Cadmium (Cd)	mg/L	<0.000010	0.000010	9710230				<0.000020	0.000020	9710230
Dissolved Chromium (Cr)	mg/L	<0.0010	0.0010	9708873				<0.0020	0.0020	9708873
Total Chromium (Cr)	mg/L	<0.0010	0.0010	9710230				<0.0020	0.0020	9710230
Dissolved Cobalt (Co)	mg/L	<0.00020	0.00020	9708873				0.00246	0.00040	9708873
Total Cobalt (Co)	mg/L	<0.00020	0.00020	9710230				0.00211	0.00040	9710230
Dissolved Copper (Cu)	mg/L	<0.00020	0.00020	9708873				0.00249	0.00040	9708873
Total Copper (Cu)	mg/L	<0.00050	0.00050	9710231				0.0022	0.0010	9710230
Dissolved Iron (Fe)	mg/L	<0.0050	0.0050	9708873				<0.010	0.010	9708873
Total Iron (Fe)	mg/L	0.013	0.010	9710230				0.028	0.020	9710230
Dissolved Lead (Pb)	mg/L	<0.00020	0.00020	9708873				<0.00040	0.00040	9708873
Total Lead (Pb)	mg/L	<0.00020	0.00020	9710230				<0.00040	0.00040	9710230
Dissolved Lithium (Li)	mg/L	<0.0020	0.0020	9708873				0.0334	0.0040	9708873
Total Lithium (Li)	mg/L	<0.0020	0.0020	9710230				0.0280	0.0040	9710230
Dissolved Manganese (Mn)	mg/L	<0.0010	0.0010	9708873				0.235	0.0020	9708873
Total Manganese (Mn)	mg/L	<0.0010	0.0010	9710230				0.192	0.0020	9710230
Dissolved Molybdenum (Mo)	mg/L	<0.0010	0.0010	9708873				0.0061	0.0020	9708873
Total Molybdenum (Mo)	mg/L	<0.0010	0.0010	9710230				0.0053	0.0020	9710230
Dissolved Nickel (Ni)	mg/L	<0.0010	0.0010	9708873				0.0154	0.0020	9708873
Total Nickel (Ni)	mg/L	<0.0010	0.0010	9710230				0.0132	0.0020	9710230
Dissolved Selenium (Se)	mg/L	<0.00010	0.00010	9708873				0.00154	0.00020	9708873
Total Selenium (Se)	mg/L	<0.00010	0.00010	9710230				0.00136	0.00020	9710230
Dissolved Silver (Ag)	mg/L	<0.000020	0.000020	9708873				<0.000040	0.000040	9708873
Total Silver (Ag)	mg/L	<0.000020	0.000020	9710230				<0.000040	0.000040	9710230
Dissolved Strontium (Sr)	mg/L	<0.0010	0.0010	9708873				2.12	0.0020	9708873
Total Strontium (Sr)	mg/L	<0.0010	0.0010	9710230				1.85	0.0020	9710230
Dissolved Thallium (Tl)	mg/L	<0.000010	0.000010	9708873				0.000027	0.000020	9708873

RDL = Reportable Detection Limit
QC Batch = Quality Control Batch
Lab-Dup = Laboratory Initiated Duplicate

Bureau Veritas Job #: C4V8293
Report Date: 2024/10/24

Agnico-Eagle
Site Location: Meliadine
Your P.O. #: OL-1381216
Sampler Initials: ks

RESULTS OF ANALYSES OF SURFACE WATER

Bureau Veritas ID		AFKM25			AFKM25			AFKM26		
Sampling Date		2024/10/07 17:56			2024/10/07 17:56			2024/10/07 07:20		
COC Number		975695			975695			975695		
	UNITS	MEL-14 FB	RDL	QC Batch	MEL-14 FB Lab-Dup	RDL	QC Batch	MEL-14 DUP	RDL	QC Batch
Total Thallium (Tl)	mg/L	<0.000010	0.000010	9710230				0.000023	0.000020	9710230
Dissolved Tin (Sn)	mg/L	<0.0050	0.0050	9708873				<0.010	0.010	9708873
Total Tin (Sn)	mg/L	<0.0050	0.0050	9710230				<0.010	0.010	9710230
Dissolved Titanium (Ti)	mg/L	<0.0050	0.0050	9708873				<0.010	0.010	9708873
Total Titanium (Ti)	mg/L	<0.0050	0.0050	9710230				<0.010	0.010	9710230
Dissolved Uranium (U)	mg/L	<0.00010	0.00010	9708873				0.00523	0.00020	9708873
Total Uranium (U)	mg/L	<0.00010	0.00010	9710230				0.00464	0.00020	9710230
Dissolved Vanadium (V)	mg/L	<0.0050	0.0050	9708873				<0.010	0.010	9708873
Total Vanadium (V)	mg/L	<0.0050	0.0050	9710230				<0.010	0.010	9710230
Dissolved Zinc (Zn)	mg/L	<0.0050	0.0050	9708873				<0.010	0.010	9708873
Total Zinc (Zn)	mg/L	<0.0050	0.0050	9710230				<0.010	0.010	9710230
Dissolved Calcium (Ca)	mg/L	0.100	0.050	9705898				208	0.10	9705898
Total Calcium (Ca)	mg/L	<0.050	0.050	9704554				176	0.10	9704554
Dissolved Magnesium (Mg)	mg/L	<0.050	0.050	9705898				73.6	0.10	9705898
Total Magnesium (Mg)	mg/L	<0.050	0.050	9704554				63.5	0.10	9704554
Dissolved Potassium (K)	mg/L	<0.050	0.050	9705898				30.2	0.10	9705898
Total Potassium (K)	mg/L	<0.050	0.050	9704554				26.0	0.10	9704554
Dissolved Sodium (Na)	mg/L	<0.050	0.050	9705898				388	0.10	9705898
Total Sodium (Na)	mg/L	<0.050	0.050	9704554				345	0.10	9704554
RADIONUCLIDE										
Radium-226	Bq/L	<0.0050	0.0050	9709219				0.0080	0.0050	9709219

RDL = Reportable Detection Limit
QC Batch = Quality Control Batch
Lab-Dup = Laboratory Initiated Duplicate

Agnico-Eagle
Site Location: Meliadine
Your P.O. #: OL-1381216
Sampler Initials: ks

RESULTS OF ANALYSES OF SURFACE WATER

Bureau Veritas ID		AFKM26		
Sampling Date		2024/10/07 07:20		
COC Number		975695		
	UNITS	MEL-14 DUP Lab-Dup	RDL	QC Batch
Inorganics				
Total Ammonia-N	mg/L	3.4	0.050	9694245
Dissolved Organic Carbon	mg/L	9.1	0.40	9694723
Total Suspended Solids	mg/L	4	1	9694097

RDL = Reportable Detection Limit
QC Batch = Quality Control Batch
Lab-Dup = Laboratory Initiated Duplicate

Bureau Veritas 100 – 36 Antares Dr. Nepean, ON, K2E 7W5 Phone: 613-274-0573 Website: www.bvna.com

Bureau Veritas Job #: C4V8293
Report Date: 2024/10/24

Agnico-Eagle
Site Location: Meliadine
Your P.O. #: OL-1381216
Sampler Initials: ks

ELEMENTS BY ATOMIC SPECTROSCOPY (SURFACE WATER)

Bureau Veritas ID		AFKM24	AFKM25	AFKM26		
Sampling Date		2024/10/07 07:20	2024/10/07 17:56	2024/10/07 07:20		
COC Number		975695	975695	975695		
	UNITS	MEL-14	MEL-14 FB	MEL-14 DUP	RDL	QC Batch
Calculated Parameters						
Total Hardness (CaCO3)	mg/L	667	<0.50	702	0.50	9704553
Metals						
Dissolved Calcium (Ca)	mg/L	220	0.40	220	0.05	9695726
Dissolved Magnesium (Mg)	mg/L	69	0.13	68	0.05	9695726
Mercury (Hg)	mg/L	<0.00001	<0.00001	<0.00001	0.00001	9694908
Dissolved Mercury (Hg)	mg/L	<0.00001	<0.00001	<0.00001	0.00001	9694910
Dissolved Potassium (K)	mg/L	33	<1	33	1	9695726
Dissolved Sodium (Na)	mg/L	400	0.8	390	0.5	9695726

RDL = Reportable Detection Limit
QC Batch = Quality Control Batch

PETROLEUM HYDROCARBONS (CCME)

Bureau Veritas ID		AFKM24	AFKM25	AFKM26		
Sampling Date		2024/10/07 07:20	2024/10/07 17:56	2024/10/07 07:20		
COC Number		975695	975695	975695		
	UNITS	MEL-14	MEL-14 FB	MEL-14 DUP	RDL	QC Batch
BTEX & F1 Hydrocarbons						
Benzene	ug/L	<0.20	<0.20	<0.20	0.20	9694872
Toluene	ug/L	<0.20	<0.20	<0.20	0.20	9694872
Ethylbenzene	ug/L	<0.20	<0.20	<0.20	0.20	9694872
o-Xylene	ug/L	<0.20	<0.20	<0.20	0.20	9694872
p+m-Xylene	ug/L	<0.40	<0.40	<0.40	0.40	9694872
Total Xylenes	ug/L	<0.40	<0.40	<0.40	0.40	9694872
F1 (C6-C10)	ug/L	<25	<25	<25	25	9694872
F1 (C6-C10) - BTEX	ug/L	<25	<25	<25	25	9694872
F2-F4 Hydrocarbons						
F2 (C10-C16 Hydrocarbons)	ug/L	<90	<90	<90	90	9694071
F3 (C16-C34 Hydrocarbons)	ug/L	<200	<200	<200	200	9694071
F4 (C34-C50 Hydrocarbons)	ug/L	<200	<200	<200	200	9694071
Reached Baseline at C50	ug/L	Yes	Yes	Yes		9694071
Surrogate Recovery (%)						
1,4-Difluorobenzene	%	111	108	109		9694872
4-Bromofluorobenzene	%	98	92	97		9694872
D10-o-Xylene	%	106	103	106		9694872
D4-1,2-Dichloroethane	%	100	97	99		9694872
o-Terphenyl	%	82	87	85		9694071

RDL = Reportable Detection Limit
QC Batch = Quality Control Batch

Bureau Veritas Job #: C4V8293
Report Date: 2024/10/24

Agnico-Eagle
Site Location: Meliadine
Your P.O. #: OL-1381216
Sampler Initials: ks

TEST SUMMARY

Bureau Veritas ID: AFKM24
Sample ID: MEL-14
Matrix: Surface Water

Collected: 2024/10/07
Shipped:
Received: 2024/10/09

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
Alkalinity	AT	9695904	N/A	2024/10/11	Nachiketa Gohil
Carbonate, Bicarbonate and Hydroxide	CALC	9693669	N/A	2024/10/11	Automated Statchk
Biochemical Oxygen Demand (BOD)	DO	9693463	2024/10/10	2024/10/15	Nusrat Naz
Chloride by Automated Colourimetry	SKAL	9695968	N/A	2024/10/11	Alina Dobreanu
Conductivity	AT	9695906	N/A	2024/10/11	Nachiketa Gohil
Dissolved Organic Carbon (DOC)	TOCV/NDIR	9694723	N/A	2024/10/10	Gyulshen Idriz
Field Measured Dissolved Oxygen	PH	ONSITE	N/A	2024/10/10	Jimmy Liu
Dissolved Oxygen	DO	9694330	2024/10/10	2024/10/10	Amrutha Anilkumar
Field Measured Dissolved Oxygen	PH	ONSITE	N/A	2024/10/10	Jimmy Liu
Petroleum Hydro. CCME F1 & BTEX in Water	HSGC/MSFD	9694872	N/A	2024/10/10	Georgeta Rusu
Petroleum Hydrocarbons F2-F4 in Water	GC/FID	9694071	2024/10/10	2024/10/11	Mohammed Abdul Nafay Shoeb
Fluoride	ISE	9695903	2024/10/10	2024/10/11	Nachiketa Gohil
Dissolved Mercury (low level)	CV/AA	9694910	2024/10/10	2024/10/11	Maitri PATIL
Mercury (low level)	CV/AA	9694908	2024/10/10	2024/10/11	Maitri PATIL
Lab Filtered Metals Analysis by ICP	ICP	9695726	2024/10/10	2024/10/11	Thuy Linh Nguyen
Low Level Chloride and Sulphate by AC	KONE	9704945	N/A	2024/10/15	Shanna McKort
Cyanide (Free)	SPEC	9704946	N/A	2024/10/15	Amy Phan
Cyanide, Strong Acid Dissociable (SAD)	TECH/UVVS	9702846	2024/10/15	2024/10/15	Ye Hyun KIM
Cyanide WAD (weak acid dissociable)	TECH	9702845	N/A	2024/10/15	Ye Hyun KIM
Hardness Total (calculated as CaCO3)	CALC	9704553	N/A	2024/10/16	Automated Statchk
Hardness (calculated as CaCO3)	CALC	9704551	N/A	2024/10/16	Automated Statchk
Na, K, Ca, Mg, S by CRC ICPMS (diss.)	ICP	9705898	N/A	2024/10/16	Automated Statchk
Elements by CRC ICPMS (dissolved)	ICP/MS	9708873	N/A	2024/10/16	Andrew An
Na, K, Ca, Mg, S by CRC ICPMS (total)	ICP	9704554	2024/10/16	2024/10/16	Automated Statchk
Elements by CRC ICPMS (total)	ICP/MS	9710230	2024/10/15	2024/10/16	Andrew An
Silica (Reactive)	KONE	9707545	N/A	2024/10/17	Tyler Orr
Total Ammonia-N	SKAL/NH4	9694245	N/A	2024/10/10	Muskan
Nitrate & Nitrite as Nitrogen in Water	LACH	9694611	N/A	2024/10/11	Chandra Nandlal
pH	AT	9695896	2024/10/10	2024/10/11	Nachiketa Gohil
Field Measured Dissolved Oxygen	PH	ONSITE	N/A	2024/10/10	Jimmy Liu
Orthophosphate	SKAL	9695970	N/A	2024/10/11	Alina Dobreanu
Radium-226 Low Level	AS	9709219	N/A	2024/10/23	Chloe Westlake
Salinity		9693672	2024/10/10	2024/10/10	Automated Statchk
Sodium Adsorption Ratio (SAR)	CALC/MET	9693673	N/A	2024/10/11	Automated Statchk
Total Dissolved Solids (TDS calc)	CALC	9693677	N/A	2024/10/18	Automated Statchk
Calculated Total Dissolved Solids	CALC	9693678	N/A	2024/10/18	Automated Statchk
Total Dissolved Solids	BAL	9695168	2024/10/10	2024/10/11	Razieh Tabesh
Field Measured Dissolved Oxygen	PH	ONSITE	N/A	2024/10/10	Jimmy Liu
Total Kjeldahl Nitrogen in Water	SKAL	9696548	2024/10/10	2024/10/11	Rajni Tyagi
Total Organic Carbon (TOC)	TOCV/NDIR	9694597	N/A	2024/10/11	Gyulshen Idriz
Total Phosphorus (Colourimetric)	SKAL/P	9694492	2024/10/10	2024/10/11	Vidhi Khatri
Low Level Total Suspended Solids	BAL	9694097	2024/10/10	2024/10/11	Razieh Tabesh
Turbidity	AT	9693454	N/A	2024/10/10	Gurparteek KAUR
Field Measured Dissolved Oxygen	TURB	ONSITE	N/A	2024/10/10	Jimmy Liu
Un-ionized Ammonia (as N)	CALC	9693679	2024/10/11	2024/10/11	Automated Statchk

Bureau Veritas Job #: C4V8293
Report Date: 2024/10/24

Agnico-Eagle
Site Location: Meliadine
Your P.O. #: OL-1381216
Sampler Initials: ks

TEST SUMMARY

Bureau Veritas ID: AFKM24 Dup
Sample ID: MEL-14
Matrix: Surface Water

Collected: 2024/10/07
Shipped:
Received: 2024/10/09

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
Alkalinity	AT	9695904	N/A	2024/10/11	Nachiketa Gohil
Conductivity	AT	9695906	N/A	2024/10/11	Nachiketa Gohil
Dissolved Oxygen	DO	9694330	2024/10/10	2024/10/10	Amrutha Anilkumar
Fluoride	ISE	9695903	2024/10/10	2024/10/11	Nachiketa Gohil
Elements by CRC ICPMS (total)	ICP/MS	9710230	2024/10/15	2024/10/16	Andrew An
pH	AT	9695896	2024/10/10	2024/10/11	Nachiketa Gohil
Total Phosphorus (Colourimetric)	SKAL/P	9694492	2024/10/10	2024/10/11	Vidhi Khatri

Bureau Veritas ID: AFKM25
Sample ID: MEL-14 FB
Matrix: Surface Water

Collected: 2024/10/07
Shipped:
Received: 2024/10/09

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
Alkalinity	AT	9695904	N/A	2024/10/11	Nachiketa Gohil
Carbonate, Bicarbonate and Hydroxide	CALC	9693669	N/A	2024/10/11	Automated Statchk
Biochemical Oxygen Demand (BOD)	DO	9693463	2024/10/10	2024/10/15	Nusrat Naz
Chloride by Automated Colourimetry	SKAL	9695968	N/A	2024/10/11	Alina Dobreanu
Conductivity	AT	9695906	N/A	2024/10/11	Nachiketa Gohil
Dissolved Organic Carbon (DOC)	TOCV/NDIR	9694723	N/A	2024/10/10	Gyulshen Idriz
Field Measured Dissolved Oxygen	PH	ONSITE	N/A	2024/10/10	Jimmy Liu
Dissolved Oxygen	DO	9694330	2024/10/10	2024/10/10	Amrutha Anilkumar
Field Measured Dissolved Oxygen	PH	ONSITE	N/A	2024/10/10	Jimmy Liu
Petroleum Hydro. CCME F1 & BTEX in Water	HSGC/MSFD	9694872	N/A	2024/10/10	Georgeta Rusu
Petroleum Hydrocarbons F2-F4 in Water	GC/FID	9694071	2024/10/10	2024/10/11	Mohammed Abdul Nafay Shoeb
Fluoride	ISE	9695903	2024/10/10	2024/10/11	Nachiketa Gohil
Dissolved Mercury (low level)	CV/AA	9694910	2024/10/10	2024/10/11	Maitri PATIL
Mercury (low level)	CV/AA	9694908	2024/10/10	2024/10/11	Maitri PATIL
Lab Filtered Metals Analysis by ICP	ICP	9695726	2024/10/10	2024/10/11	Thuy Linh Nguyen
Low Level Chloride and Sulphate by AC	KONE	9704945	N/A	2024/10/15	Shanna McKort
Cyanide (Free)	SPEC	9704946	N/A	2024/10/15	Amy Phan
Cyanide, Strong Acid Dissociable (SAD)	TECH/UVVS	9702846	2024/10/15	2024/10/15	Ye Hyun KIM
Cyanide WAD (weak acid dissociable)	TECH	9702845	N/A	2024/10/15	Ye Hyun KIM
Hardness Total (calculated as CaCO3)	CALC	9704553	N/A	2024/10/16	Automated Statchk
Hardness (calculated as CaCO3)	CALC	9704551	N/A	2024/10/16	Automated Statchk
Na, K, Ca, Mg, S by CRC ICPMS (diss.)	ICP	9705898	N/A	2024/10/16	Automated Statchk
Elements by CRC ICPMS (dissolved)	ICP/MS	9708873	N/A	2024/10/16	Andrew An
Na, K, Ca, Mg, S by CRC ICPMS (total)	ICP	9704554	2024/10/16	2024/10/16	Automated Statchk
Elements by CRC ICPMS (total)	ICP/MS	9710230	2024/10/15	2024/10/16	Andrew An
Silica (Reactive)	KONE	9707545	N/A	2024/10/17	Tyler Orr
Total Ammonia-N	SKAL/NH4	9694245	N/A	2024/10/10	Muskan
Nitrate & Nitrite as Nitrogen in Water	LACH	9694611	N/A	2024/10/11	Chandra Nandlal
pH	AT	9695896	2024/10/10	2024/10/11	Nachiketa Gohil
Field Measured Dissolved Oxygen	PH	ONSITE	N/A	2024/10/10	Jimmy Liu
Orthophosphate	SKAL	9695970	N/A	2024/10/11	Alina Dobreanu
Radium-226 Low Level	AS	9709219	N/A	2024/10/23	Chloe Westlake

TEST SUMMARY

Bureau Veritas ID: AFKM25 **Collected:** 2024/10/07
Sample ID: MEL-14 FB **Shipped:**
Matrix: Surface Water **Received:** 2024/10/09

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
Salinity		9693672	2024/10/10	2024/10/10	Automated Statchk
Sodium Adsorption Ratio (SAR)	CALC/MET	9693674	N/A	2024/10/11	Automated Statchk
Total Dissolved Solids (TDS calc)	CALC	9693677	N/A	2024/10/18	Automated Statchk
Calculated Total Dissolved Solids	CALC	9693678	N/A	2024/10/18	Automated Statchk
Total Dissolved Solids	BAL	9695168	2024/10/10	2024/10/11	Razieh Tabesh
Field Measured Dissolved Oxygen	PH	ONSITE	N/A	2024/10/10	Jimmy Liu
Total Kjeldahl Nitrogen in Water	SKAL	9696548	2024/10/10	2024/10/11	Rajni Tyagi
Total Organic Carbon (TOC)	TOCV/NDIR	9694597	N/A	2024/10/10	Gyulshen Idriz
Total Phosphorus (Colourimetric)	SKAL/P	9694492	2024/10/10	2024/10/11	Vidhi Khatri
Low Level Total Suspended Solids	BAL	9694097	2024/10/10	2024/10/11	Razieh Tabesh
Turbidity	AT	9693454	N/A	2024/10/10	Gurparteek KAUR
Field Measured Dissolved Oxygen	TURB	ONSITE	N/A	2024/10/10	Jimmy Liu
Un-ionized Ammonia (as N)	CALC	9693679	2024/10/11	2024/10/11	Automated Statchk

Bureau Veritas ID: AFKM25 Dup **Collected:** 2024/10/07
Sample ID: MEL-14 FB **Shipped:**
Matrix: Surface Water **Received:** 2024/10/09

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
Low Level Chloride and Sulphate by AC	KONE	9704945	N/A	2024/10/15	Shanna McKort
Total Organic Carbon (TOC)	TOCV/NDIR	9694597	N/A	2024/10/10	Gyulshen Idriz

Bureau Veritas ID: AFKM26 **Collected:** 2024/10/07
Sample ID: MEL-14 DUP **Shipped:**
Matrix: Surface Water **Received:** 2024/10/09

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
Alkalinity	AT	9695904	N/A	2024/10/11	Nachiketa Gohil
Carbonate, Bicarbonate and Hydroxide	CALC	9693669	N/A	2024/10/11	Automated Statchk
Biochemical Oxygen Demand (BOD)	DO	9693463	2024/10/10	2024/10/15	Nusrat Naz
Chloride by Automated Colourimetry	SKAL	9695968	N/A	2024/10/11	Alina Dobreanu
Conductivity	AT	9695906	N/A	2024/10/11	Nachiketa Gohil
Dissolved Organic Carbon (DOC)	TOCV/NDIR	9694723	N/A	2024/10/10	Gyulshen Idriz
Field Measured Dissolved Oxygen	PH	ONSITE	N/A	2024/10/10	Jimmy Liu
Dissolved Oxygen	DO	9694330	2024/10/10	2024/10/10	Amrutha Anilkumar
Field Measured Dissolved Oxygen	PH	ONSITE	N/A	2024/10/10	Jimmy Liu
Petroleum Hydro. CCME F1 & BTEX in Water	HSGC/MSFD	9694872	N/A	2024/10/10	Georgeta Rusu
Petroleum Hydrocarbons F2-F4 in Water	GC/FID	9694071	2024/10/10	2024/10/11	Mohammed Abdul Nafay Shoeb
Fluoride	ISE	9695903	2024/10/10	2024/10/11	Nachiketa Gohil
Dissolved Mercury (low level)	CV/AA	9694910	2024/10/10	2024/10/11	Maitri PATIL
Mercury (low level)	CV/AA	9694908	2024/10/10	2024/10/11	Maitri PATIL
Lab Filtered Metals Analysis by ICP	ICP	9695726	2024/10/10	2024/10/11	Thuy Linh Nguyen
Low Level Chloride and Sulphate by AC	KONE	9704945	N/A	2024/10/15	Shanna McKort
Cyanide (Free)	SPEC	9704946	N/A	2024/10/15	Amy Phan
Cyanide, Strong Acid Dissociable (SAD)	TECH/UVVS	9702846	2024/10/15	2024/10/15	Ye Hyun KIM

Bureau Veritas Job #: C4V8293
Report Date: 2024/10/24

Agnico-Eagle
Site Location: Meliadine
Your P.O. #: OL-1381216
Sampler Initials: ks

TEST SUMMARY

Bureau Veritas ID: AFKM26
Sample ID: MEL-14 DUP
Matrix: Surface Water

Collected: 2024/10/07
Shipped:
Received: 2024/10/09

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
Cyanide WAD (weak acid dissociable)	TECH	9702845	N/A	2024/10/15	Ye Hyun KIM
Hardness Total (calculated as CaCO3)	CALC	9704553	N/A	2024/10/16	Automated Statchk
Hardness (calculated as CaCO3)	CALC	9704551	N/A	2024/10/16	Automated Statchk
Na, K, Ca, Mg, S by CRC ICPMS (diss.)	ICP	9705898	N/A	2024/10/16	Automated Statchk
Elements by CRC ICPMS (dissolved)	ICP/MS	9708873	N/A	2024/10/16	Andrew An
Na, K, Ca, Mg, S by CRC ICPMS (total)	ICP	9704554	2024/10/16	2024/10/16	Automated Statchk
Elements by CRC ICPMS (total)	ICP/MS	9710230	2024/10/15	2024/10/16	Andrew An
Silica (Reactive)	KONE	9707545	N/A	2024/10/17	Tyler Orr
Total Ammonia-N	SKAL/NH4	9694245	N/A	2024/10/10	Muskan
Nitrate & Nitrite as Nitrogen in Water	LACH	9694611	N/A	2024/10/11	Chandra Nandlal
pH	AT	9695896	2024/10/10	2024/10/11	Nachiketa Gohil
Field Measured Dissolved Oxygen	PH	ONSITE	N/A	2024/10/10	Jimmy Liu
Orthophosphate	SKAL	9695970	N/A	2024/10/11	Alina Dobreanu
Radium-226 Low Level	AS	9709219	N/A	2024/10/23	Chloe Westlake
Salinity		9693672	2024/10/10	2024/10/10	Automated Statchk
Sodium Adsorption Ratio (SAR)	CALC/MET	9693674	N/A	2024/10/11	Automated Statchk
Total Dissolved Solids (TDS calc)	CALC	9693677	N/A	2024/10/18	Automated Statchk
Calculated Total Dissolved Solids	CALC	9693678	N/A	2024/10/18	Automated Statchk
Total Dissolved Solids	BAL	9695168	2024/10/10	2024/10/11	Razieh Tabesh
Field Measured Dissolved Oxygen	PH	ONSITE	N/A	2024/10/10	Jimmy Liu
Total Kjeldahl Nitrogen in Water	SKAL	9696548	2024/10/10	2024/10/11	Rajni Tyagi
Total Organic Carbon (TOC)	TOCV/NDIR	9694597	N/A	2024/10/11	Gyulshen Idriz
Total Phosphorus (Colourimetric)	SKAL/P	9694492	2024/10/10	2024/10/11	Vidhi Khatri
Low Level Total Suspended Solids	BAL	9694097	2024/10/10	2024/10/11	Razieh Tabesh
Turbidity	AT	9693454	N/A	2024/10/10	Gurparteek KAUR
Field Measured Dissolved Oxygen	TURB	ONSITE	N/A	2024/10/10	Jimmy Liu
Un-ionized Ammonia (as N)	CALC	9693679	2024/10/11	2024/10/11	Automated Statchk

Bureau Veritas ID: AFKM26 Dup
Sample ID: MEL-14 DUP
Matrix: Surface Water

Collected: 2024/10/07
Shipped:
Received: 2024/10/09

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
Dissolved Organic Carbon (DOC)	TOCV/NDIR	9694723	N/A	2024/10/10	Gyulshen Idriz
Total Ammonia-N	SKAL/NH4	9694245	N/A	2024/10/10	Muskan
Low Level Total Suspended Solids	BAL	9694097	2024/10/10	2024/10/11	Razieh Tabesh

GENERAL COMMENTS

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

Package 1	7.0°C

Sample AFKM24 [MEL-14] : TKN < Ammonia: Both values fall within the method uncertainty for duplicates and are likely equivalent.

Sample AFKM25 [MEL-14 FB] : SAR Analysis: NC = Not Calculable as Calcium and Magnesium were not detected. TOC < DOC: Both values fall within the method uncertainty for duplicates and are likely equivalent.

Sample AFKM26 [MEL-14 DUP] : TKN < Ammonia: Both values fall within the method uncertainty for duplicates and are likely equivalent.

Sample AFKM25, Elements by CRC ICPMS (total): Test repeated.

Results relate only to the items tested.

Bureau Veritas 100 – 36 Antares Dr. Nepean, ON, K2E 7W5 Phone: 613-274-0573 Website: www.bvna.com

Bureau Veritas Job #: C4V8293
Report Date: 2024/10/24

QUALITY ASSURANCE REPORT

Agnico-Eagle
Site Location: Meliadine
Your P.O. #: OL-1381216
Sampler Initials: ks

			Matrix Spike		SPIKED BLANK		Method Blank		RPD		QC Standard	
QC Batch	Parameter	Date	% Recovery	QC Limits	% Recovery	QC Limits	Value	UNITS	Value (%)	QC Limits	% Recovery	QC Limits
9694071	o-Terphenyl	2024/10/10	89	60 - 140	88	60 - 140	89	%				
9694872	1,4-Difluorobenzene	2024/10/10	104	70 - 130	105	70 - 130	109	%				
9694872	4-Bromofluorobenzene	2024/10/10	102	70 - 130	103	70 - 130	96	%				
9694872	D10-o-Xylene	2024/10/10	111	70 - 130	113	70 - 130	107	%				
9694872	D4-1,2-Dichloroethane	2024/10/10	94	70 - 130	95	70 - 130	98	%				
9693454	Turbidity	2024/10/10			102	80 - 120	<0.1	NTU	NC	20		
9693463	Total BOD	2024/10/15					<2	mg/L	2.1	30	99	80 - 120
9694071	F2 (C10-C16 Hydrocarbons)	2024/10/10	91	60 - 140	89	60 - 140	<90	ug/L	NC	30		
9694071	F3 (C16-C34 Hydrocarbons)	2024/10/10	91	60 - 140	88	60 - 140	<200	ug/L	NC	30		
9694071	F4 (C34-C50 Hydrocarbons)	2024/10/10	83	60 - 140	81	60 - 140	<200	ug/L	NC	30		
9694097	Total Suspended Solids	2024/10/11			100	80 - 120	<1	mg/L	8.7	20		
9694245	Total Ammonia-N	2024/10/10	85	75 - 125	96	80 - 120	<0.050	mg/L	0.41	20		
9694330	Dissolved Oxygen	2024/10/10							0.088	30		
9694492	Total Phosphorus	2024/10/11	46 (1)	80 - 120	105	80 - 120	<0.020	mg/L	1.2	20	104	80 - 120
9694597	Total Organic Carbon (TOC)	2024/10/10	97	80 - 120	101	80 - 120	<0.40	mg/L	NC	20		
9694611	Nitrate (N)	2024/10/11	97	80 - 120	99	80 - 120	<0.10	mg/L	1.9	20		
9694611	Nitrite (N)	2024/10/11	106	80 - 120	108	80 - 120	<0.010	mg/L	NC	20		
9694723	Dissolved Organic Carbon	2024/10/10	99	80 - 120	99	80 - 120	<0.40	mg/L	3.7	20		
9694872	Benzene	2024/10/10	95	50 - 140	94	50 - 140	<0.20	ug/L	0.60	30		
9694872	Ethylbenzene	2024/10/10	108	50 - 140	106	50 - 140	<0.20	ug/L	5.3	30		
9694872	F1 (C6-C10) - BTEX	2024/10/10					<25	ug/L	1.2	30		
9694872	F1 (C6-C10)	2024/10/10	104	60 - 140	103	60 - 140	<25	ug/L	1.6	30		
9694872	o-Xylene	2024/10/10	103	50 - 140	100	50 - 140	<0.20	ug/L	2.8	30		
9694872	p+m-Xylene	2024/10/10	99	50 - 140	97	50 - 140	<0.40	ug/L	3.1	30		
9694872	Toluene	2024/10/10	90	50 - 140	89	50 - 140	<0.20	ug/L	2.5	30		
9694872	Total Xylenes	2024/10/10					<0.40	ug/L	2.9	30		
9694908	Mercury (Hg)	2024/10/11	97	75 - 125	91	80 - 120	<0.00001	mg/L	NC	20		
9694910	Dissolved Mercury (Hg)	2024/10/11	96	75 - 125	98	80 - 120	<0.00001	mg/L	NC	20		
9695168	Total Dissolved Solids	2024/10/11			95	80 - 120	<10	mg/L	1.5	20		
9695726	Dissolved Calcium (Ca)	2024/10/11	NC	80 - 120	98	80 - 120	<0.05	mg/L	0.041	20		
9695726	Dissolved Magnesium (Mg)	2024/10/11	93	80 - 120	99	80 - 120	<0.05	mg/L	0.19	20		
9695726	Dissolved Potassium (K)	2024/10/11	93	80 - 120	100	80 - 120	<1	mg/L	1.9	20		

QUALITY ASSURANCE REPORT(CONT'D)

			Matrix Spike		SPIKED BLANK		Method Blank		RPD		QC Standard	
QC Batch	Parameter	Date	% Recovery	QC Limits	% Recovery	QC Limits	Value	UNITS	Value (%)	QC Limits	% Recovery	QC Limits
9695726	Dissolved Sodium (Na)	2024/10/11	NC	80 - 120	101	80 - 120	<0.5	mg/L	0.30	20		
9695896	pH	2024/10/11			102	98 - 103			0.57	N/A		
9695903	Fluoride (F-)	2024/10/11	87	80 - 120	97	80 - 120	<0.10	mg/L	NC	20		
9695904	Alkalinity (Total as CaCO3)	2024/10/11			93	85 - 115	<1.0	mg/L	2.6	20		
9695906	Conductivity	2024/10/11			101	85 - 115	0.000700	mS/cm	0	10		
9695968	Dissolved Chloride (Cl-)	2024/10/11	NC	80 - 120	98	80 - 120	<1.0	mg/L	3.8	20		
9695970	Orthophosphate (P)	2024/10/11	84	75 - 125	88	80 - 120	<0.010	mg/L	0.81	20		
9696548	Total Kjeldahl Nitrogen (TKN)	2024/10/11	103	80 - 120	100	80 - 120	<0.10	mg/L	NC	20	99	80 - 120
9702845	Weak Acid Dissoc. Cyanide (CN)	2024/10/15	111	80 - 120	105	80 - 120	<0.00050	mg/L				
9702846	Strong Acid Dissoc. Cyanide (CN)	2024/10/15	107	80 - 120	108	80 - 120	<0.00050	mg/L				
9704945	Dissolved Sulphate (SO4)	2024/10/15	110	80 - 120	102	80 - 120	0.86, RDL=0.50 (2)	mg/L	NC	20		
9704946	Free Cyanide (CN)	2024/10/15	91	80 - 120	95	80 - 120	<2.0	ug/L				
9707545	Reactive Silica (SiO2)	2024/10/17	101	80 - 120	101	80 - 120	<0.050	mg/L				
9708873	Dissolved Aluminum (Al)	2024/10/16	100	80 - 120	95	80 - 120	<0.0030	mg/L				
9708873	Dissolved Antimony (Sb)	2024/10/16	103	80 - 120	99	80 - 120	<0.00050	mg/L				
9708873	Dissolved Arsenic (As)	2024/10/16	105	80 - 120	99	80 - 120	<0.00010	mg/L				
9708873	Dissolved Barium (Ba)	2024/10/16	99	80 - 120	96	80 - 120	<0.0010	mg/L				
9708873	Dissolved Beryllium (Be)	2024/10/16	100	80 - 120	95	80 - 120	<0.00010	mg/L				
9708873	Dissolved Boron (B)	2024/10/16	102	80 - 120	97	80 - 120	<0.050	mg/L				
9708873	Dissolved Cadmium (Cd)	2024/10/16	102	80 - 120	98	80 - 120	<0.000010	mg/L				
9708873	Dissolved Chromium (Cr)	2024/10/16	94	80 - 120	91	80 - 120	<0.0010	mg/L				
9708873	Dissolved Cobalt (Co)	2024/10/16	94	80 - 120	92	80 - 120	<0.00020	mg/L				
9708873	Dissolved Copper (Cu)	2024/10/16	92	80 - 120	91	80 - 120	<0.00020	mg/L				
9708873	Dissolved Iron (Fe)	2024/10/16	101	80 - 120	99	80 - 120	<0.0050	mg/L				
9708873	Dissolved Lead (Pb)	2024/10/16	102	80 - 120	97	80 - 120	<0.00020	mg/L				
9708873	Dissolved Lithium (Li)	2024/10/16	100	80 - 120	98	80 - 120	<0.0020	mg/L				
9708873	Dissolved Manganese (Mn)	2024/10/16	97	80 - 120	95	80 - 120	<0.0010	mg/L				
9708873	Dissolved Molybdenum (Mo)	2024/10/16	106	80 - 120	103	80 - 120	<0.0010	mg/L				
9708873	Dissolved Nickel (Ni)	2024/10/16	96	80 - 120	94	80 - 120	<0.0010	mg/L				
9708873	Dissolved Selenium (Se)	2024/10/16	102	80 - 120	96	80 - 120	<0.00010	mg/L				
9708873	Dissolved Silver (Ag)	2024/10/16	101	80 - 120	98	80 - 120	<0.000020	mg/L				

QUALITY ASSURANCE REPORT(CONT'D)

			Matrix Spike		SPIKED BLANK		Method Blank		RPD		QC Standard	
QC Batch	Parameter	Date	% Recovery	QC Limits	% Recovery	QC Limits	Value	UNITS	Value (%)	QC Limits	% Recovery	QC Limits
9708873	Dissolved Strontium (Sr)	2024/10/16	NC	80 - 120	92	80 - 120	<0.0010	mg/L				
9708873	Dissolved Thallium (Tl)	2024/10/16	106	80 - 120	100	80 - 120	<0.000010	mg/L				
9708873	Dissolved Tin (Sn)	2024/10/16	101	80 - 120	100	80 - 120	<0.0050	mg/L				
9708873	Dissolved Titanium (Ti)	2024/10/16	100	80 - 120	96	80 - 120	<0.0050	mg/L				
9708873	Dissolved Uranium (U)	2024/10/16	106	80 - 120	99	80 - 120	<0.00010	mg/L				
9708873	Dissolved Vanadium (V)	2024/10/16	97	80 - 120	92	80 - 120	<0.0050	mg/L				
9708873	Dissolved Zinc (Zn)	2024/10/16	100	80 - 120	97	80 - 120	<0.0050	mg/L				
9709219	Radium-226	2024/10/23			105	85 - 115	<0.0050	Bq/L	NC	N/A		
9710230	Total Aluminum (Al)	2024/10/16	NC	80 - 120	104	80 - 120	<0.0030	mg/L	1.2	20		
9710230	Total Antimony (Sb)	2024/10/16	105	80 - 120	104	80 - 120	<0.00050	mg/L	NC	20		
9710230	Total Arsenic (As)	2024/10/16	110	80 - 120	105	80 - 120	<0.00010	mg/L	0.52	20		
9710230	Total Barium (Ba)	2024/10/16	NC	80 - 120	100	80 - 120	<0.0010	mg/L	0.51	20		
9710230	Total Beryllium (Be)	2024/10/16	104	80 - 120	106	80 - 120	<0.00010	mg/L	NC	20		
9710230	Total Boron (B)	2024/10/16	111	80 - 120	109	80 - 120	<0.050	mg/L	3.2	20		
9710230	Total Cadmium (Cd)	2024/10/16	101	80 - 120	103	80 - 120	<0.000010	mg/L	NC	20		
9710230	Total Chromium (Cr)	2024/10/16	95	80 - 120	95	80 - 120	<0.0010	mg/L	NC	20		
9710230	Total Cobalt (Co)	2024/10/16	92	80 - 120	96	80 - 120	<0.00020	mg/L	1.7	20		
9710230	Total Copper (Cu)	2024/10/16	88	80 - 120	94	80 - 120	<0.00050	mg/L	1.7	20		
9710230	Total Iron (Fe)	2024/10/16	102	80 - 120	104	80 - 120	<0.010	mg/L	1.4	20		
9710230	Total Lead (Pb)	2024/10/16	99	80 - 120	105	80 - 120	<0.00020	mg/L	NC	20		
9710230	Total Lithium (Li)	2024/10/16	101	80 - 120	105	80 - 120	<0.0020	mg/L	3.7	20		
9710230	Total Manganese (Mn)	2024/10/16	NC	80 - 120	101	80 - 120	<0.0010	mg/L	1.3	20		
9710230	Total Molybdenum (Mo)	2024/10/16	118	80 - 120	109	80 - 120	<0.0010	mg/L	0.046	20		
9710230	Total Nickel (Ni)	2024/10/16	92	80 - 120	97	80 - 120	<0.0010	mg/L	1.3	20		
9710230	Total Selenium (Se)	2024/10/16	105	80 - 120	103	80 - 120	<0.00010	mg/L	1.2	20		
9710230	Total Silver (Ag)	2024/10/16	100	80 - 120	103	80 - 120	<0.000020	mg/L	NC	20		
9710230	Total Strontium (Sr)	2024/10/16	NC	80 - 120	100	80 - 120	<0.0010	mg/L	1.6	20		
9710230	Total Thallium (Tl)	2024/10/16	103	80 - 120	106	80 - 120	<0.000010	mg/L	8.0	20		
9710230	Total Tin (Sn)	2024/10/16	104	80 - 120	102	80 - 120	<0.0050	mg/L	NC	20		
9710230	Total Titanium (Ti)	2024/10/16	102	80 - 120	100	80 - 120	<0.0050	mg/L	NC	20		
9710230	Total Uranium (U)	2024/10/16	115	80 - 120	105	80 - 120	<0.00010	mg/L	1.0	20		
9710230	Total Vanadium (V)	2024/10/16	99	80 - 120	97	80 - 120	<0.0050	mg/L	NC	20		

QUALITY ASSURANCE REPORT(CONT'D)

			Matrix Spike		SPIKED BLANK		Method Blank		RPD		QC Standard	
QC Batch	Parameter	Date	% Recovery	QC Limits	% Recovery	QC Limits	Value	UNITS	Value (%)	QC Limits	% Recovery	QC Limits
9710230	Total Zinc (Zn)	2024/10/16	93	80 - 120	100	80 - 120	<0.0050	mg/L	NC	20		
9710231	Total Copper (Cu)	2024/10/17	94	80 - 120	101	80 - 120	<0.00050	mg/L	0.21	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.

Surrogate: A pure or isotopically labeled compound whose behavior mirrors the analytes of interest. Used to evaluate extraction efficiency.

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 <= 2x RDL).

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

(2) Method blank exceeds acceptance limits, 2x RDL acceptable for low level analysis

Bureau Veritas Job #: C4V8293
Report Date: 2024/10/24

Agnico-Eagle
Site Location: Meliadine
Your P.O. #: OL-1381216
Sampler Initials: ks

VALIDATION SIGNATURE PAGE

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

Cristina Carriere, Senior Scientific Specialist

David Huang, BBY Scientific Specialist

Danish Samad, MSc., C.Chem, Miss.-Kitimat, Laboratory Supervisor

Mauro Oselin, Technician

Sandy Yuan, M.Sc., QP, Scientific Specialist

Suwan (Sze Yeung) Fock, B.Sc., Scientific Specialist

Bureau Veritas 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 Signatures page if included, otherwise available by request. For Department specific Analyst/Supervisor validation names, please refer to the Test Summary section if included, otherwise available by request. This report is authorized by Rodney Major, General Manager responsible for Ontario Environmental laboratory operations.

Bureau Veritas 100 – 36 Antares Dr. Nepean, ON, K2E 7W5 Phone: 613-274-0573 Website: www.bvna.com