

Appendix 35

Meadowbank 2023 Groundwater Monitoring Report



REPORT

2023 Groundwater Monitoring Report
Meadowbank Mine, Nunavut

Submitted to:

Agnico Eagle Mines Limited

Attn: Marie-Pier Marcil

Submitted by:

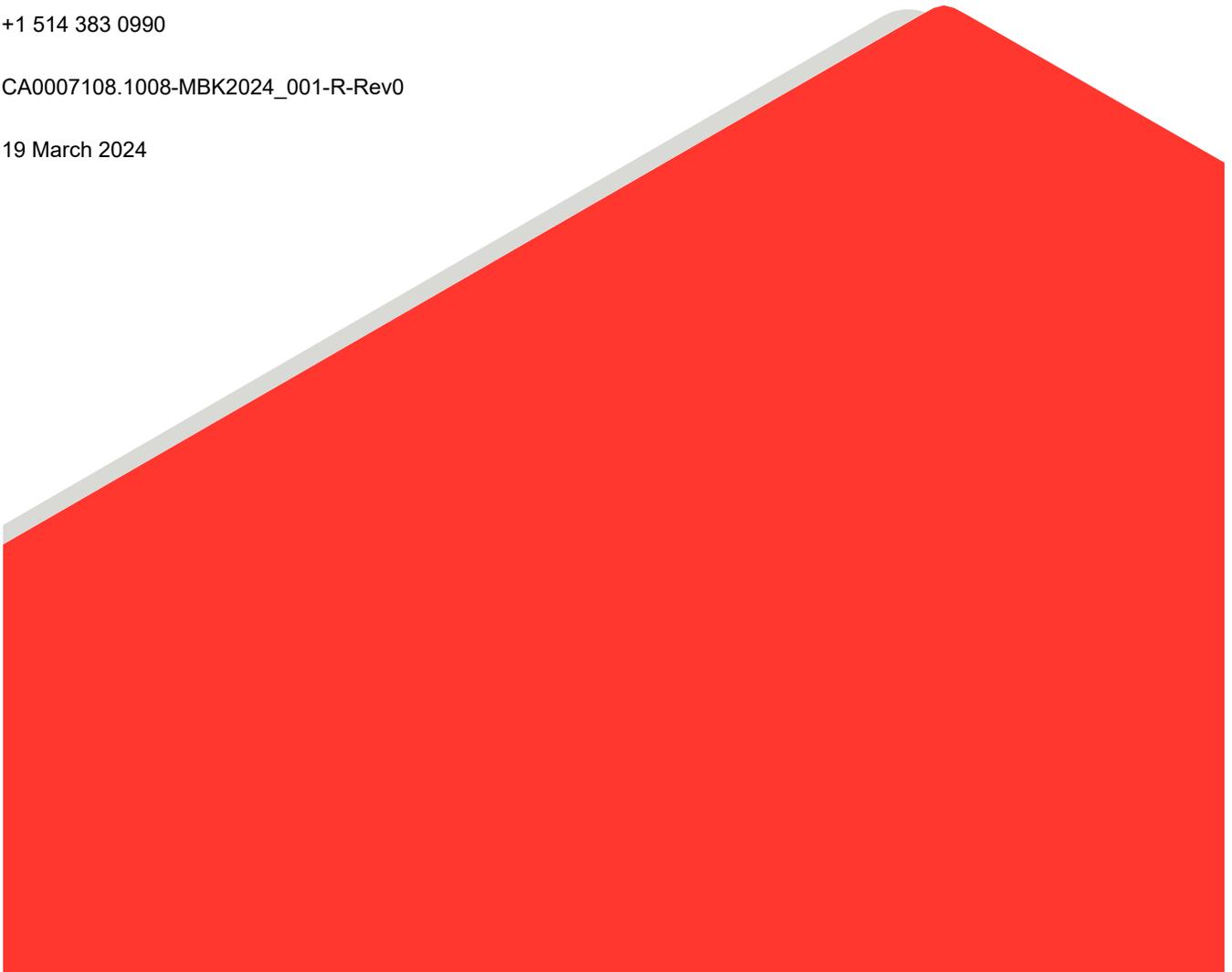
WSP Canada Inc.

7250 Rue du Mile End, Montreal, Quebec, H2R 3A4, Canada

+1 514 383 0990

CA0007108.1008-MBK2024_001-R-Rev0

19 March 2024



Distribution List

1 e-Copy - Agnico Eagle Mines Limited

1 e-Copy - WSP Canada Inc.

1 e-Copy - Nuqsana Golder

Executive Summary

The Meadowbank Gold Project (Meadowbank mine) is operated by Agnico Eagle Mines Limited – Meadowbank Division and is located approximately 70 kilometres north of the Hamlet of Baker Lake, Nunavut. The Meadowbank mine is licensed under Water Licence No. 2AM-MEA1530, Nunavut Impact Review Board (NIRB) Project Certificate (PC) No. 004, Condition No. 8 and the last approved Meadowbank Gold Project Groundwater Monitoring Plan Version 11 dated March 2020 (GWMP). The GWMP presents the historic groundwater monitoring at the Meadowbank mine since 2003, and the groundwater monitoring campaign carried out in 2023.

The Executive Summary highlights key points from the report only; for complete information and findings, as well as the limitations, the reader should read the complete report and appendices.

The objective of the 2023 groundwater monitoring program was to document groundwater and surface water quality for effects related to mining operations associated with the deposition of tailings in the tailings storage facility (TSF) and in-pit tailings deposition (IPD). Monitoring activities completed in 2023 include water level measurement and sampling of groundwater and surface water at monitoring locations for the analysis of chemical parameters listed in Group 2 of Table 2 Schedule 1 of the Meadowbank Water Licence. Monitoring well MW-16-01 serves to investigate potential groundwater quality effects from the TSF, while monitoring wells MW-IPD-01(s), MW-IPD-01(d), MW-IPD-07, and MW-IPD-09 serve to investigate potential effects to groundwater from the IPD. Seepage at Pit A and Pit E could not be sampled due to the unsafe ground conditions and the flooded conditions in the pit at the seepage inflow point.

Regional groundwater is interpreted to flow east towards the Third Portage Lake and Second Portage Lake. On a local scale, surface and groundwater flow is influenced by local topography and mining operations at previously mined pits and from tailings storage operations (IPD and TSF).

In 2023, water levels indicate that IPD monitoring wells identified as MW-IPD-01(s) and MW-IPD-01(d) are still hydraulically downgradient to the Second Portage Lake (SPL); similarly, the monitoring wells MW-IPD-07 and MW-IPD-09 are downgradient to the Third Portage Lake (TPL). Water quality at these monitors is likely influenced by Lake water seepage rather than the TSF or IPD operations, currently. The groundwater quality at monitoring wells MW-IPD-01(d), MW-IPD-01(s), MW-IPD-07, and MW-IPD-09 continues to display a natural water signature and can be used as background values against which to monitor groundwater quality.

Monitoring well MW-16-01 is located hydraulically downgradient of the TSF and Central Dike. The groundwater quality at monitoring well MW-16-01 is interpreted to be affected by reclaim water from the South Cell TSF based on similar chemical signatures to reclaim water monitoring stations ST-21-North, ST-21-South (South Cell TSF surface water) and ST-S-5 (Central Dike seepage). So far, contaminant transport from the tailings cells has locally affected groundwater quality to the west side of the central dump and mined-out pits. The gradient between the surrounding lakes (SPL and TPL) and the mined-out pits is preventing advection from carrying contaminants further eastwards. Subsequent groundwater monitoring programs will be important to help mitigate the effect of mining on local hydrogeology and ensure these contaminants do not alter regional groundwater quality in the future.

Table of Contents

- 1.0 INTRODUCTION 1**
 - 1.1 Background 1
- 2.0 METHODOLOGY 4**
 - 2.1 Water Level Monitoring 4
 - 2.2 Purging of Monitoring Wells 4
 - 2.3 Groundwater Sample Collection 5
 - 2.4 Sample Shipping 6
 - 2.5 Sampling of Additional Water Monitoring Stations 6
- 3.0 2023 GROUNDWATER MONITORING 7**
 - 3.1 Comparative Guidelines 7
 - 3.2 Quality Assurance/Quality Control 7
 - 3.2.1 Reclaim Water Signature Parameters 9
- 4.0 RESULTS AND DISCUSSION 10**
 - 4.1 Water Level Monitoring and Flow Direction 10
 - 4.2 2023 Water Quality 14
 - 4.3 2023 Chemical Water Signatures 14
 - 4.4 Historical Water Quality 14
 - 4.4.1 Available Data 14
 - 4.4.2 2003 to 2023 Water Quality Trends 15
 - 4.4.3 Major Element Content 23
 - 4.4.4 Salinity 25
 - 4.4.5 Cyanide, Arsenic and Chloride in Groundwater 27
 - 4.5 Evaluation of Effects of Reclaim Water on Groundwater 31
 - 4.6 Quality Assurance/Quality Control 31
- 5.0 SUMMARY OF MONITORING WELL CONDITIONS 33**
- 6.0 CONCLUSIONS 34**

7.0 RECOMMENDATIONS35

8.0 CLOSURE36

9.0 STUDY LIMITATIONS37

10.0 REFERENCES38

TABLES

Table 1: Summary of Samples Collected by WSP in 20235

Table 2: Stations Sampled by Agnico Eagle in July and September7

Table 3: 2023 Water Levels in Monitoring Wells and Nearby Surface Water Features 11

Table 4: Summary of Available Meadowbank Groundwater Quality Data, 2003 to 2023 15

Table 5: Concentration of Constituents that Relate to Groundwater Salinity25

Table 6: Parameters Exceeding QA/QC Acceptable Tolerance Limits31

FIGURES

Figure 1: Water Sampling Stations 3

Figure 2: Groundwater and Surface Water Elevations - July 2023 12

Figure 3: Groundwater and Surface Water Elevations - September 2023 13

Figure 4: Historical concentrations of total cyanide in Meadowbank groundwater by area, between 2003 and 2023 17

Figure 5: Historical concentration of total arsenic in Meadowbank groundwater by area, between 2003 and 2023 18

Figure 6: Historical concentration of chloride in Meadowbank groundwater by area, between 2003 and 2023 19

Figure 7: Historical concentrations of total copper in Meadowbank groundwater by area, between 2003 and 2023 20

Figure 8: Historical concentrations of total iron in Meadowbank groundwater by area, between 2003 and 2023 21

Figure 9: Historical concentrations of sulphate in Meadowbank groundwater by area, between 2003 and 2023 22

Figure 10: Concentrations of Sulphate versus Sum Total Calcium and Total Magnesium, 2017 to 2023 24

Figure 11: Concentration of Cyanide versus Chloride, 2017 to 2023 28

Figure 12: Concentrations of Arsenic versus Chloride, 2017 to 2023 29

Figure 13: Concentrations of Cyanide versus Arsenic, 2017 to 2023 30

APPENDICES

APPENDIX A

2023 Monitoring Well Development Logs and Supplementary Sampling Information

APPENDIX B

2023 Groundwater Quality Results and Quality Assurance/Quality Control Analysis

APPENDIX C

2023 Laboratory Certificates of Analysis

APPENDIX D

2023 Stiff Diagrams

APPENDIX E

Historical Groundwater Monitoring Program Water Quality Data 2003 to 2023

1.0 INTRODUCTION

This document provides a summary of the 2023 groundwater monitoring program carried out at the Meadowbank mine site (Meadowbank) and a summary of water quality results obtained.

The 2023 groundwater monitoring program was completed by WSP Canada Inc. (WSP) on behalf of Agnico Eagle Mines Limited (Agnico Eagle) in accordance with Water Licence No. 2AM-MEA1530, Nunavut Impact Review Board (NIRB) Project Certificate (PC) No. 004, Condition No. 8 and the last approved Meadowbank Gold Project Groundwater Monitoring Plan Version 11 dated March 2020 (GWMP). Table 2 of Schedule I of the Meadowbank Water Licence states that the groundwater must be monitored annually for Group 2 chemical parameters listed in this Schedule. As per NIRB PC No. 004, groundwater monitoring program is to be completed bi-annually.

The objective of the 2023 groundwater monitoring program is to document groundwater and surface water quality for effects related to mining operations associated with the deposition of tailings in the tailings storage facility and current practices involving In-Pit Tailings Deposition.

1.1 Background

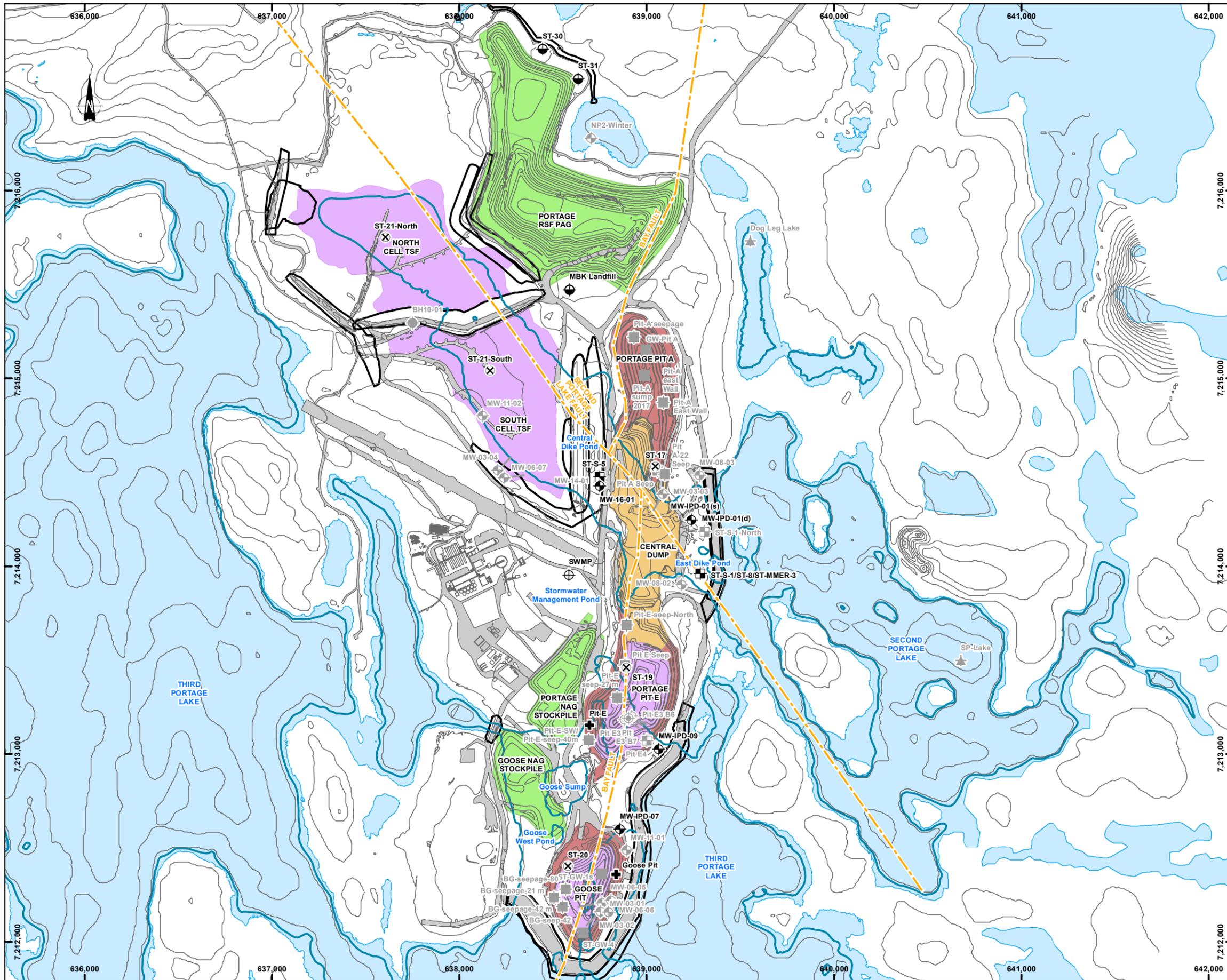
Portage Pit-A (Pit-A), Portage Pit-E (Pit-E) and Goose Pit are mined out. They were developed within a through talik (unfrozen ground that extends to the base of the permafrost). Pit-E and Goose Pit are located in the through talik underneath Third Portage Lake, while Pit-A is located in the through talik underneath Second Portage Lake. The tailings storage facility (TSF) is located in the previously dewatered basin of the north arm of Second Portage Lake and is also believed to be situated over a through talik.

Tailings deposition in the TSF South Cell was discontinued in April 2019 and in July 2019 at the North Cell, with a few exceptions. Temporary tailings deposition resumed in the North Cell from July 8 to August 19, 2021 and the South Cell from August 26 to September 22, 2023. In-Pit Tailings Deposition (IPD) operations commenced at Meadowbank in July 2019 to store tailings produced from Whale Tail Mine in addition to tailings produced from the Meadowbank Mine. Tailings were deposited in Goose Pit from July 2019 to August 19, 2020, then commenced in Pit-E on August 20, 2020, and is on-going. During 2023, tailings deposition occurred in Pit E from January 1 to August 26 and September to December 31. Since 2021 operations, reclaim water from surrounding low areas was transferred from the North Cell TSF to the South Cell TSF. In 2021, Pit-A received reclaim water from the South Cell TSF, Goose Pit, and Pit-E. In 2022 and 2023, Pit-A received reclaim water from the South Cell TSF, Central Dike seepage, East Dike seepage, and Pit-E.

Groundwater monitoring wells have been installed to provide information on groundwater quality in the through taliks of Third Portage Lake and the north arm of Second Portage Lake prior to and during mine operation and closure. The groundwater monitoring program was initiated prior to mining operations, in 2003, where a total of 14 groundwater monitoring wells were installed between 2003 to 2016 to characterize the groundwater within the five site areas: South and Central Dike, East Flat (East Dike area), Goose Pit, Pit-A, and Pit-E.

Traditional monitoring well installations are fragile in the permafrost environment and at an active mine site. Many of the initial wells became inoperable or destroyed over time. Consequently, alternate means of collecting groundwater from within the talik and open pit footprint were implemented, including collecting groundwater that infiltrated into production holes at the base of pits; collection from horizontal borehole drilled in open pit walls into the talik and/or groundwater seeps into the open pits. The groundwater monitoring program was revised in 2017 following recommendations provided by Environment and Climate Change Canada (ECCC) to improve data collection for water quality model updates. A review of the available historical groundwater quality data claimed the information was not completely representative of site groundwater quality due to the inability to completely remove the presence of de-icing salt and calcium chloride brine used during drilling of the boreholes for these wells (SNCL 2019). In 2018, an extensive environmental monitoring campaign was again conducted to sample groundwater across the mine site to investigate groundwater and contact water quality in relation to tailing pore water seepage (SNCL 2019). Groundwater samples were collected from horizontal boreholes in 2017 and 2018 in Pit-E, and from pit wall seeps in Goose Pit, Pit-A and/or Pit-E since 2016 depending on accessibility. Four additional monitoring wells were added to the network in 2018 (MW-IPD-01(s), MW-IPD-01(d), MW-IPD-07, and MW-IPD-09) prior to the start of the IPD operations in July 2019. Drill fluid DD2000 (copolymer of acrylamide and sodium acrylate) was used for the drilling of these boreholes and heated water was circulated continuously through the borehole until the wells were installed (SNCL 2019). The drilling fluid was not tagged and the residual content of drilling fluid in the IPD wells is similarly not known.

A total of five monitoring wells were operable in 2023, in addition to the two pumping wells at the East Dike location (ST-S-1-North and ST-S-1-South). In 2023, the five monitoring wells were sampled by WSP during a July and a September monitoring session. Agnico Eagle also collected water quality samples from other on-site water monitoring locations in July and September 2023. The locations of the current and historical water quality monitoring stations completed as part of the annual groundwater monitoring program are illustrated in Figure 1.



Legend

- In-Pit Deposition Point
- Water Sampling Stations 2023**
 - Potential Mine Contact
 - Monitoring Well
 - Dike Seepage
 - Pond
 - Reclaim Water
- Water Sampling Stations (Prior 2023)**
 - Monitoring Well
 - Production Drill Hole
 - Horizontal Hole
 - Dike Seepage
 - Wall Seepage
 - Sump
 - Deep Lake Water
 - Pond
 - Inclined Hole
 - Topographic Contour Line (10 m)
 - Fault
 - Assumed Permafrost Limit (Shoreline Minus 1.5 m)
 - Dike
- Mining**
 - Rock Storage Facility
 - Waste Dump Storage
 - Pit
 - Tailing Deposition

Agnico Eagle Mines Limited

2023 Groundwater Monitoring Program
Meadowbank Mine, Nunavut

Figure 1
Water Sampling Stations

Source :
Project data, Agnico Eagle Mines Limited 2017-2019.

Notes :

- All locations are approximate.
- East dike north (ST-S-1-North) and south (ST-S-1-South) pumping wells previously identified as ST-8-North and ST-8-South, respectively from 2017 to 2019.
- ST-S-1 represents water pumped from ST-S-1-South that is discharged to portage Pit-A.
- ST-MMER-3 (previously identified as ST-8 from 2015 to 2019) represents water pumped from ST-S-1-South that is discharged to second portage lake.
- No samples collected from ST-S-1-North, ST-S-1-South and ST-MMER-3 between June and September 2022.

0 250 500 m
UTM, Zone 14, NAD83

March 2024

Prepared by: B. Chemoff
GIS: P. Johnston
Verified by: C. Mollere
CA0007108_1008-0002-CH-0001.mxd



Boundaries and measurements shown on this document must not be used for engineering or land survey delineation. A land register analysis conducted by a land surveyor was not undertaken.

2.0 METHODOLOGY

The 2023 groundwater monitoring program was carried out in accordance with Table 2 of Schedule I of the Meadowbank Water Licence and the March 2020 GWMP. Samples were analyzed for the Group 2 suite of chemical parameters listed in Table 1 of that Schedule, namely: ammonia-nitrogen, calcium, chloride, conductivity, dissolved organic carbon (DOC), hardness, nitrate, nitrite, ortho-phosphate, pH, potassium, reactive silica, sodium, sulphate, total dissolved solids (TDS), total kjeldahl nitrogen (TKN), total and speciated alkalinity (carbonate, bicarbonate), total organic carbon (TOC), total phosphorus, total suspended solids (TSS), turbidity, total cyanide, free cyanide and Weak Acid Dissociable (WAD) cyanide (the latter is triggered based on the results of other programs performed by Agnico Eagle) and the following total and dissolved metals: aluminum, antimony, arsenic, boron, barium, beryllium, cadmium, copper, chromium, iron, lead, lithium, manganese, mercury, molybdenum, nickel, selenium, tin, strontium, titanium, thallium, uranium, vanadium, and zinc.

The groundwater monitoring program was completed by WSP personnel in July and September 2023 (refer to Figure 1 for well locations). The monitoring wells are equipped with a well-specific heating cable through the permafrost zone (40 to 59 metres along the borehole) which is continuously energized to prevent the well from freezing. A summary of the activities performed by WSP is listed below:

- Groundwater level monitoring at wells MW-16-01, MW-IPD-01(s), MW-IPD-01(d), MW-IPD-07, and MW-IPD-09
- Purging of five monitoring wells
- Groundwater sampling at five monitoring wells

2.1 Water Level Monitoring

WSP personnel measured the water level in each of the five monitoring wells prior to the start of the July and September 2023 purging activities using a water level meter tape manufactured by Solinst Canada Ltd supplied by Agnico Eagle. Agnico Eagle provided surveyed surface water elevation data for the North Cell TSF, South Cell TSF, Central Dike Pond, Goose Pit, Stormwater Management Pond, Pit-E, Pit-A, Second Portage Lake, Third Portage Lake and MBK Landfill, BG Lagoon, ST-20 Pit Sump during the July and/or September 2023 monitoring sessions. The location of the monitoring wells and surface water features surveyed are shown on Figure 2 and Figure 3 in Section 4.1.

2.2 Purging of Monitoring Wells

Purging of MW-16-01, MW-IPD-01(s), MW-IPD-01(d), MW-IPD-07, and MW-IPD-09 monitoring wells was performed using the low flow portable double valve sampling pumps (DVP) that were installed inside each of the wells during construction. An exception to this is the original DVP installed in MW-16-01 was removed following malfunction in 2019 and a temporary replacement was used in 2020. During 2021, a low flow DVP was lowered to a depth of about 90 m below the top of the HWT casing prior to the July 2021 monitoring well development and became caught (could not be lowered to middle of screen interval). Monitoring well MW-16-01 was subsequently developed and sampled with the DVP installed at approximately 90 metres as the sample intake was located within the top of the screen interval of the monitoring well and remained operational.

The pumps were activated by pushing compressed nitrogen gas into low density polyethylene (LDPE) tubing attached to the sampling pump, which caused groundwater to rise to the surface through a flow through cell where water quality and volume was monitored during purging. A Model 464 Electronic Pneumatic Pump Control Unit manufactured by Solinst Canada Ltd. and owned by Agnico Eagle was used at the wellhead to control the flow rate of the pumps during development. The pressure set on the control box was adjusted accordingly for each monitoring well and the flow rate was monitored to ensure the water level remained stable during pumping, indicating water was being pulled from the target bedrock formation. A second Controller Unit QEDMP50 manufactured by QED Environmental Systems and compatible with the DVPs was rented by WSP and brought to site as a backup.

Field Measurements on Groundwater

In-situ groundwater parameters were measured during development using a Horiba U-52 Multiparameter meter (July) or a Hanna 9829 Multiparameter meter (September session) inserted into a flow-through cell and a portable Hanna HI98703 turbidity meter. The following were monitored: conductivity, dissolved oxygen, oxidation reduction (redox) potential, pH, temperature, turbidity, salinity, and total dissolved solids. The turbidity meter on the Horiba U-52 Multiparameter meter was not functioning during the July session. Therefore, lab values for turbidity should be used during this time. Each well was deemed sufficiently purged following the stabilization of the field parameters.

Well development logs including a summary of the flow rates, volume removed, water levels and field parameters recorded for each well are included in Table 1 and in Appendix A.

2.3 Groundwater Sample Collection

Groundwater sampling was performed by WSP personnel following stabilization of the field parameters during purging. Dedicated polyethylene LDPE tubing was used for each well. A summary of the samples collected as part of the 2023 groundwater monitoring program is presented in Table 1.

Table 1: Summary of Samples Collected by WSP in 2023

Location	Type	Pump Depth (m)	Screen Depth (m)	July 2023 Session		September 2023 Session	
				Purge Volume (L)	Sampling Date	Purge Volume (L)	Sampling Date(s)
MW-IPD-01(s)	Monitoring Well	60	51 - 69	47.5	21-Jul-23	51.55	9-Sep-23
MW-IPD-01(d)	Monitoring Well	175	163 -181	41.66	22-Jul-23	32.45	10-Sep-23
MW-IPD-07	Monitoring Well	40	42 - 50	22.5	20-Jul-23	30.93	7-Sep-23
MW-IPD-09	Monitoring Well	70	62 - 80	19.57	19-Jul-23	24.6	8-Sep-23
MW-16-01	Monitoring Well	90	89 - 101	18.8	23-Jul-23	42.4	11-Sep-23
Field blank	QA/QC	-	-	-	22-Jul-23	-	10-Sep-23
Trip Blank	QA/QC	-	-	-	22-Jul-23	-	10-Sep-23

Note: Turbidity measurements weren't functioning properly on Horiba U52 Multiparameter meter for samples taken in July 2023. Field turbidity measurements should be disregarded and lab results should be used instead.

m = meters; L = litres; QA/QC = Quality Assurance/Quality Control; '-' = not applicable.

Groundwater samples were collected in triplicate from all monitoring wells. One field blank and one trip blank were collected for quality assurance/quality control (QA/QC) purposes during each groundwater monitoring session completed by WSP. The field blank comprised of using de-ionized water to fill one set of bottles at wellhead MW-IPD-01(d), while the trip blank consisted of a sealed sample bottle set prepared by the analytical laboratory that was transported with the samples to the lab.

The water samples were collected and preserved in the field following the laboratory-specified protocols outlined in the Analytical Requirements Table included in Appendix A.

The laboratory chemical and physical analyses were performed by Bureau Veritas Laboratories (BV) located in Mississauga, Ontario, Burnaby, British Columbia or Calgary, Alberta. The results of the field and laboratory chemical analyses conducted during the 2023 groundwater monitoring program are tabulated and presented in Appendix B and the laboratory analytical certificates are provided in Appendix C.

2.4 Sample Shipping

Duplicate groundwater samplings were submitted for analysis for the GWMP parameters. Samples were kept refrigerated and typically shipped to BV located in Ottawa, Ontario within 24 hours of sample collection or the next available charter (48 or 72 hours). Samples were placed in coolers with ice packs and entered on an electronic chain-of-custody (eCOC) in the BV online Portal system by Agnico Eagle staff before being shipped from site. The exception to this were the samples taken from groundwater wells in July 2023. Due to logistical limitations, samples were shipped to BV within 5 to 8 days. For this reason, the Nitrites/Nitrates holding time of 5 days was exceeded for some of the samples.

2.5 Sampling of Additional Water Monitoring Stations

Agnico Eagle personnel collected water samples from the monitoring stations identified on Figure 1:

- Dike seepage stations:
 - ST-S-1: Combined East Dike south pumping well (ST-S-1-South) and north pumping well (ST-S-1-North) discharge directed to the Pit-A
 - ST-S-5: Central Dike seepage sump
- Tailing Reclaim Water stations: ST-17 (Pit-A), ST-19 (Pit-E), ST-20 (Goose Pit), ST-21-North (North Cell TSF) and ST-21-South (South Cell TSF).
- Stormwater Management Pond (SWMP).
- Mine contact water stations ST-30 and ST-31 located near the Portage Rock Storage Facility (RSF) and from the Meadowbank Landfill (MBK Landfill) to identify the potential source of arsenic previously observed in the Pit-E wall seepage samples.
- Second Portage Lakeshore water.

The 2023 water quality data from these sampling stations were provided to WSP and results were used to assess potential effects of reclaim water on the groundwater quality. In addition to the data required for the annual groundwater assessment, Agnico Eagle carries out a more extensive monitoring program. Table 2 includes the list of the stations sampled by Agnico Eagle in July and September and used for the purpose of the GWMP.

Pit wall seepage at Pit-E and Pit-A could not be accessed in July and September 2023 for safety reasons, being in an unstable ground area and the base of this location being in pit flood waters. No water samples were collected from that location in 2023.

Table 2: Stations Sampled by Agnico Eagle in July and September

Station ID(s)	Location Description
ST-S-1	Water pumped from East Dike pumping wells (Combined ST-S-1-South and ST-S-1-North) discharged to Pit-A
ST-S-5	Central Dike seepage
ST-30	North of Portage RSF rock contact
ST-31	
MBK Landfill ^(a)	South of Portage RSF
SWMP ^(a)	Stormwater Management Pond
ST-17 ^(b)	Portage Pit-A Pond
ST-19 ^(b)	Portage Pit-E Pond
ST-20 ^(b)	Goose Pit Pond
ST-21-South	South Cell TSF
ST-21-North	North Cell TSF

Notes:

No samples were collected from seeps due to geotechnical hazards and safety concerns.

Data provided by AEM was from January 2023 to October 2023.

(a) Monitoring point MBK Landfill, SWMP, and SPL-Shore sampling stations are not a requirement of Table 2 Schedule 1 of Meadowbank Water Licence. All other points are a requirement of the Water Licence.

(b) The water samples collected from ST-17, ST-19, and ST-20 were collected from accessible points in the pits.

3.0 2023 GROUNDWATER MONITORING

3.1 Comparative Guidelines

Groundwater monitoring data is compared to Third Portage Effluent Discharge Limits (maximum average concentration) stated in Part F of the Meadowbank Water Licence 2AM-MEA1530 for illustrative purposes only, since these regulated parameters apply to effluent, not site contact water or groundwater quality.

3.2 Quality Assurance/Quality Control

Guideline procedures provided by the USEPA (1994) were followed during the sampling program to document that the samples collected from the monitoring wells were representative of water flowing through the rock formations. These procedures included the following:

- Measurement of field parameters at selected intervals until stable readings (within 10% of each other) were acquired.
- Minimizing the exposure of the sampled water to the atmosphere.
- Using compressed, inert gas (nitrogen) to lift water from the well for sampling to avoid changing the redox properties of the formation water.
- Conducting in-situ measurements of sensitive chemical parameters (temperature, pH, conductivity, salinity, TDS and turbidity) and comparing these values with those obtained at the laboratory.

- Keeping the samples refrigerated from the time of collection until shipment to the laboratory.
- Shipping the samples to the laboratory in temperature-regulated coolers within the specified sample holding times.

Transit times exceeded the recommended holding times for total cyanide, WAD and strong acid dissociated (SAD) cyanide for all the July samples. Samples from July for MW-IPD-09 also exceeded hold times for free cyanide.

Groundwater samples from September were sent to BV within required holding times, however, samples from MW-IPD-09, MW-IPD-01(d), MW-IPD-01(s), the field blank and the trip all were analyzed past the holding times for TSS/TDS, turbidity, redox potential. The trip from September was also analyzed past the holding time for WAD cyanide.

Analytical repeatability was tested by assessing the similarity between duplicate pairs of results, where available. For each duplicate pairs of analysis where both results were higher than 5 times the method detection limit (MDL), the relative percent difference (RPD) was calculated as follows:

$$\text{RPD} = \frac{\text{absolute [difference (concentration of a given parameter)]}}{[\text{average (concentration of a given parameter)}]} \times 100$$

Per USEPA recommended methods (USEPA 1994), an RPD of 20% or less was considered acceptable. Where one or both results of the duplicate pair were less than 5 times the MDL, a margin of +/- MDL was considered acceptable.

The concentration of main anions (bicarbonate, bromide, chloride, fluoride and sulphate) and cations (ammonium-nitrogen, calcium, magnesium, sodium and potassium) of groundwater were used to calculate Charge Balance Error (CBE) as a reliability check for the analysis, where the sum (Σ) of cations (in meq/L) should equal the sum of anions (in meq/L) as follows (Hounslow, 1995):

$$\text{CBE} = \frac{[\Sigma\text{Cations} - \Sigma\text{Anions}]}{[\Sigma\text{Cations} + \Sigma\text{Anions}]} \times 100$$

The USEPA (1994) recommends a charge imbalance error of +/- 10% or less for the laboratory results to be considered acceptable. For low concentration samples, a charge balance error of +/- 15% is considered acceptable due to small deviations in these values which can lead to significant differences in charge balance calculation results.

The observed concentrations of cations and anions are low in the water samples collected. As the charge balance is a relative error calculation between cation and anion concentrations, small deviations are considered as acceptable.

3.2.1 Reclaim Water Signature Parameters

A tailing reclaim water signature parameter was used to determine the presence/absence and approximate proportion of tailings reclaim water in receiving surface and groundwater at site, and the extent of reclaim water effects away from the source areas. A reliable reclaim parameters has the following characteristics:

- There is a large contrast in the concentration of the parameter in the reclaim water source compared to background water quality: it is present in relatively low concentrations in background near the site and has a significantly higher concentration in reclaim water generated from the management of mine tailings.
- The concentration of the reclaim water signature parameter is consistent in time (i.e., has a low variability) in background monitoring locations or in the reclaim water itself.
- The parameter is chemically inert and is relatively mobile in the groundwater, it is not subject to significant attenuation mechanisms in transport (i.e., adsorption, biological uptake, precipitation, etc.).

Meadowbank reclaim water signature parameters include: ammonia nitrogen, arsenic, chloride, copper, cyanide, iron, and sulphate (SNCL 2019 and 2020; AEM 2020; Golder 2021, 2022 and 2023). Sulfate, arsenic and ammonia nitrogen can also be attributed to waste rock contact water, but not cyanide, which is a product of ore processing. Thus, the presence of cyanide is a stronger indicator of the presence of tailings reclaim water. Groundwater constituents such as calcium, manganese, magnesium, potassium and sodium are also present at elevated concentrations in the reclaim water and much lower in the background groundwater, which can also be used to compare the chemical signature of natural groundwater to samples with a reclaim water signature (discussed in Sections 4.2 and 4.4.3). Salinity of groundwater (calcium-chloride salinity) is of interest in open pit inflow water quality and is also used as part of the comparative groundwater assessment (discussed in Section 0).

During 2023, concentrations of reclaim water signature parameters remained elevated at stations ST-21-North and ST-21-South related to current and historic tailings deposition activities. Similarly, elevated concentrations of reclaim water signature parameters remained elevated at stations ST-17, ST-19, and ST-20 related to the in-pit disposal of reclaim water and/or IPD in Goose Pit (ST-20) since 2019 and Pit-E (ST-19) since 2020.

Sampling station ST-21-South was installed within the South Cell TSF during active mining and because of historic tailings deposition. South Cell TSF was emptied in 2019, however water was transferred from the North Cell TSF to the South Cell TSF during 2021. Inflow of diluted reclaim tailings water into South Cell TSF has been ongoing since 2021. Surface water station ST-21-North is also representative of reclaim water, as tailings were previously deposited in the North Cell TSF. Historically, tailings were deposited in North Cell TSF before July 2019, and between July 8 and August 19, 2021. In 2023, tailings deposition occurred in both Pit-E (January 1st to August 26th and September 22nd to December 31st) and South Cell TSF (August 26th to September 22nd).

Station ST-S-5 may also be representative of reclaim water but is mixed with dike rock contact water seepage through the Central Dike downgradient of the TSF and diluted with regional inflow. In 2023, surface water quality at stations ST-17 located in the partially flooded Pit-A, ST-19 located in the partially flooded Pit-E and ST-20 located in partially flooded Goose Pit are representative of flooded pit water quality mixed with in-pit disposal reclaim water. Agnico Eagle personnel monitor water quality at these locations on a regular basis as part of the requirements of the Water Licence. The available 2023 water chemistry was provided to WSP for the six reclaim water stations (ST-21-North, ST-21-South, ST-S-5, ST-17, ST-19, and ST-20).

4.0 RESULTS AND DISCUSSION

4.1 Water Level Monitoring and Flow Direction

Water levels measured in the monitoring wells conducted by WSP personnel as part of the July and September 2023 groundwater monitoring program are presented in Table 3. The water level data presented in Table 3 also include surface water elevations of the South Cell TSF, Second Portage Lake, flooded mined Pit-A, and IPD pits (Goose Pit and Pit-E) based on data provided by Agnico Eagle measured in July and September 2023. Figure 2 and Figure 3 illustrates the available surface water and groundwater elevations measured in July and September 2023, respectively.

Regional groundwater is interpreted to flow east towards the Third Portage Lake and Second Portage Lake. On a local scale, surface and groundwater flow is influenced by local topography and mining operations involving previously mined pits and tailings storage operations (IPD and TSF).

Based on the available July and September 2023 groundwater and surface water elevation data, the flow of groundwater within and adjacent to the Meadowbank mining operations is interpreted as follows:

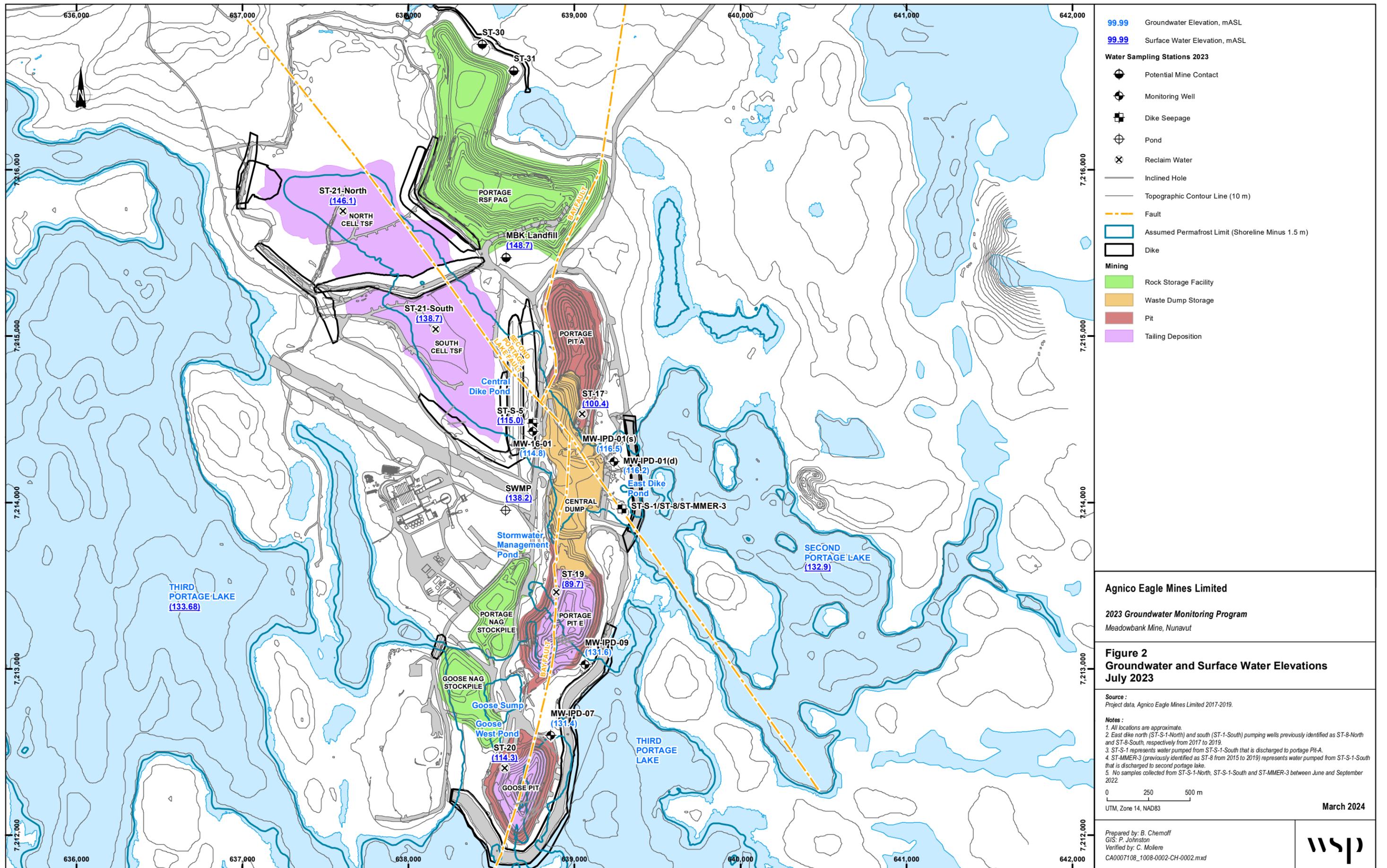
- MW-16-01 is located hydraulically downgradient of the North Cell TSF, South Cell TSF and Central Dike, water from the South Cell TSF flows east towards the Central Dike, MW-16-01 and the west wall of Pit-E. ST-S-5 (Central Dike Downstream Pond) is also located hydraulically downgradient of the South Cell TSF and the Central Dike. The surface water elevation at the Central Dike downstream pond is similar to the groundwater elevations at MW-16-01. Pit-A and Pit-E are downgradient of the TSF and dikes to the west and to the Second Portage and Third Portage Lakes to the east.
- Similar to the Open pits, the Pit-A and Pit-E ponds are located hydraulically downgradient of the TSF and of the Second Portage Lake and Third Portage Lake. Pit-E is also downgradient of the Portage non acid-generating (NAG) rock stockpile to the west. Pit pond water cannot flow to the adjacent lakes but could receive seepage from the TSF and the rock stockpile.
- The groundwater levels at MW-IPD-01(s) and MW-IPD-01(d) east of the Central dump are hydraulically downgradient of Second Portage Lake and the East Dike Pond. Surface water from Second Portage Lake is interpreted to flow west towards East Dike Pond, MW-IPD-01(s), MW-IPD-01(d) and the Central Dump.
- The groundwater level at MW-16-01, adjacent to the Central dump, is hydraulically downgradient of Central Dike and South Cell TSF to the west. Reclaim water from the South Cell TSF is interpreted to flow east towards Central Dike Pond, and the Central Dump.
- Groundwater level at MW-IPD-09 is hydraulically downgradient of Third Portage Lake and upgradient of Pit-E. Surface water from Third Portage Lake is interpreted to flow west towards MW-IPD-09 and Pit-E. The water in Pit-E is not expected to affect groundwater quality at MW-IPD-09.
- MW-IPD-07 is hydraulically downgradient of Third Portage Lake and upgradient of the water level in Goose Pit, therefore surface water from Third Portage Lake is interpreted to flow west towards MW-IPD-07 and the Goose Pit. The water in Goose Pit is not expected to affect groundwater quality at MW-IPD-07.

Table 3: 2023 Water Levels in Monitoring Wells and Nearby Surface Water Features

Area	Location	Ground Surface Elevation (masl) ^(a)	Top of Well Head Casing (masl) ^(a)	Screened Interval (m) ^(b)	Screened Elevation (masl) ^(b)	Date	Water Level (masl)
South Cell/ Central Dike	North Cell TSF (ST-21-N)					23-Jul-23	146.1 ^(c)
						10-Sep-23	146.6 ^(c)
	South Cell TSF (ST-21-S)					23-Jul-23	138.7 ^(c)
						10-Sep-23	139.6 ^(c)
	MBK Landfill					23-Jul-23	148.7 ^(c)
					10-Sep-23 ^(f)	148.9 ^(c)	
ST-S-5 ^(e)					23-Jul-23	115.0 ^(c)	
					10-Sep-23	115.1 ^(c)	
	MW-16-01	119.4	120.2	82.8 to 94.9 ^(d)	34.4 to 25.0	18-Jul-23	114.8
						6-Sep-23	115.0
East Flat	MW-IPD-01(s)	129.8	130.6	50.8 to 69.8	79.3 to 60.3	18-Jul-23	116.5
							6-Sep-23
	MW-IPD-01(d)	129.9	130.7	162.5 to 181.4	-32.4 to -51.3	18-Jul-23	116.2
						6-Sep-23	116.7
Pit-A	ST-17					23-Jul-23	100.4 ^(c)
						10-Sep-23	99.8 ^(c)
Pit-E	ST-19					23-Jul-23	89.7 ^(c)
						10-Sep-23	92.2 ^(c)
	MW-IPD-09	132.9	133.4	61.9 to 80.1	71.4 to 52.4	18-Jul-23	131.6
						6-Sep-23	131.5
SWMP	Stormwater Management Pond					23-Jul-23	138.2 ^(c)
						10-Sep-23 ^(f)	137.5 ^(c)
Second Portage Lake	Second Portage Lake					23-Jul-23	132.9 ^(c)
						10-Sep-23	132.9 ^(c)
Third Portage Lake	Third Portage Lake					24-Jul-23	133.7
						26-Sept-23	133.5
Goose Pit							
	MW-IPD-07	133.1	133.5	41.2 to 50.7	92.2 to 82.7	18-Jul-23	131.4
							6-Sep-23
ST-20					23-Jul-23	114.3 ^(c)	
					10-Sep-23	114.5 ^(c)	

Notes: masl = metres above sea level; m = metres, '-' = not applicable.

- (a) Ground surface and top of well casing elevation based on July 22, 2022, survey data completed by Agnico Eagle surveyor using GPS and total station.
- (b) Screened interval depth (m) and elevation (masl) based on original well instrumentation logs provided by Agnico Eagle for consistency. There are some minor discrepancies from previous surveys performed, but the 2021 survey completed are within the acceptable threshold.
- (c) Water level elevation provided by Agnico Eagle.
- (d) Monitoring well MW-16-01 is installed within a 70-degree inclined borehole. Screened interval (m) depth corrected for borehole inclination.
- (e) Dike seepage station ST-S-5 is sampled from the Central Dike Downstream Pond which is located at the downstream toe of Central Dike.



- 99.99 Groundwater Elevation, mASL
- 99.99 Surface Water Elevation, mASL
- Water Sampling Stations 2023**
- Potential Mine Contact
- Monitoring Well
- Dike Seepage
- Pond
- Reclaim Water
- Inclined Hole
- Topographic Contour Line (10 m)
- Fault
- Assumed Permafrost Limit (Shoreline Minus 1.5 m)
- Dike
- Mining**
- Rock Storage Facility
- Waste Dump Storage
- Pit
- Tailing Deposition

Agnico Eagle Mines Limited
2023 Groundwater Monitoring Program
 Meadowbank Mine, Nunavut

Figure 2
Groundwater and Surface Water Elevations
July 2023

Source :
 Project data, Agnico Eagle Mines Limited 2017-2019.

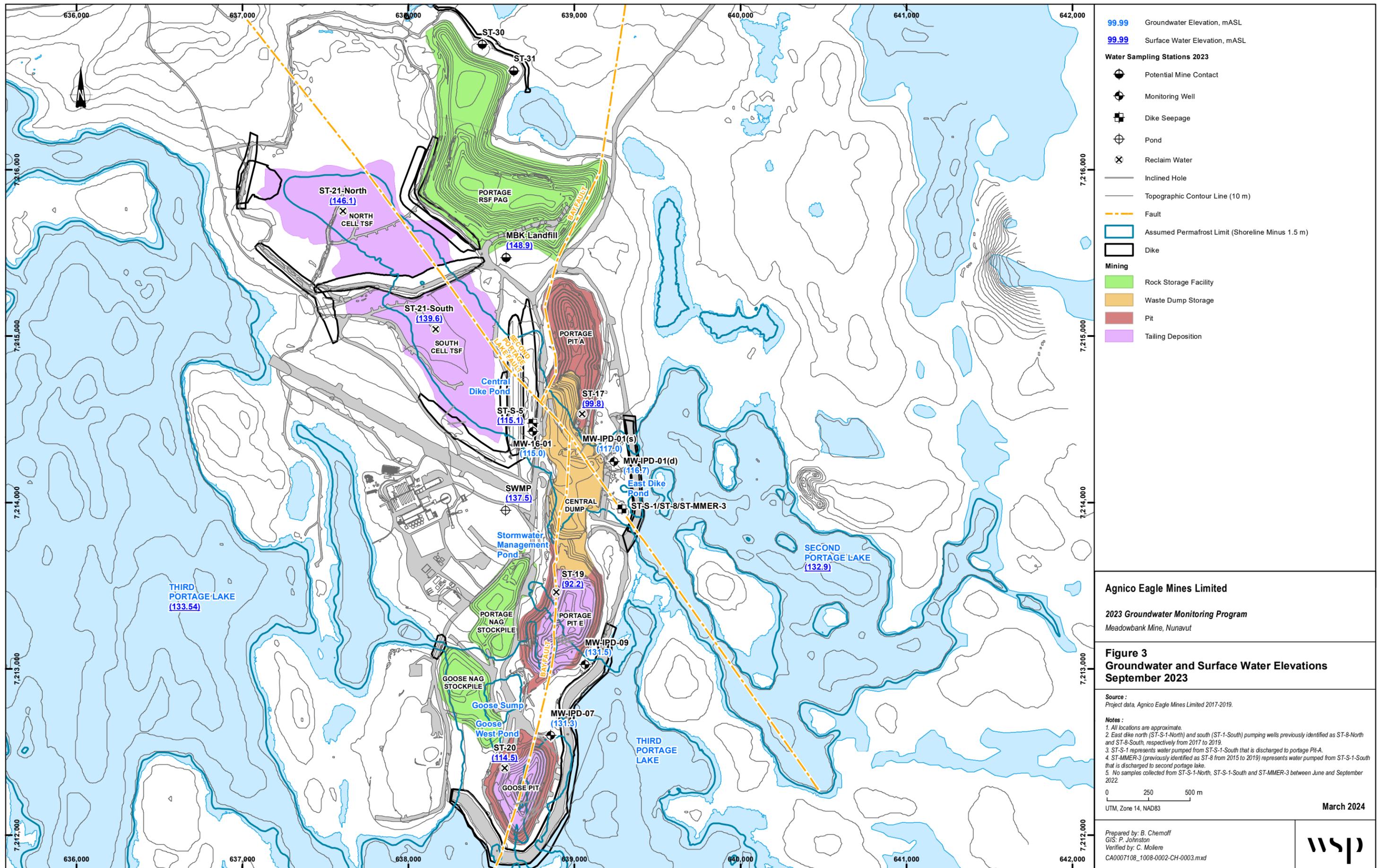
Notes :

1. All locations are approximate.
2. East dike north (ST-S-1-North) and south (ST-1-South) pumping wells previously identified as ST-8-North and ST-8-South, respectively from 2017 to 2019.
3. ST-S-1 represents water pumped from ST-S-1-South that is discharged to portage Pit-A.
4. ST-MMER-3 (previously identified as ST-8 from 2015 to 2019) represents water pumped from ST-S-1-South that is discharged to second portage lake.
5. No samples collected from ST-S-1-North, ST-S-1-South and ST-MMER-3 between June and September 2022.

0 250 500 m
 UTM, Zone 14, NAD83 March 2024

Prepared by: B. Chemoff
 GIS: P. Johnston
 Verified by: C. Mollere
 CA0007108_1008-0002-CH-0002.mxd

Boundaries and measurements shown on this document must not be used for engineering or land survey delineation. A land register analysis conducted by a land surveyor was not undertaken.



- 99.99 Groundwater Elevation, mASL
- 99.99 Surface Water Elevation, mASL
- Water Sampling Stations 2023**
- Potential Mine Contact
- Monitoring Well
- Dike Seepage
- Pond
- Reclaim Water
- Inclined Hole
- Topographic Contour Line (10 m)
- Fault
- Assumed Permafrost Limit (Shoreline Minus 1.5 m)
- Dike
- Mining**
- Rock Storage Facility
- Waste Dump Storage
- Pit
- Tailing Deposition

Agnico Eagle Mines Limited

2023 Groundwater Monitoring Program
Meadowbank Mine, Nunavut

Figure 3
Groundwater and Surface Water Elevations
September 2023

Source :
Project data, Agnico Eagle Mines Limited 2017-2019.

Notes :

1. All locations are approximate.
2. East dike north (ST-S-1-North) and south (ST-1-South) pumping wells previously identified as ST-8-North and ST-8-South, respectively from 2017 to 2019.
3. ST-S-1 represents water pumped from ST-S-1-South that is discharged to portage Pit-A.
4. ST-MMER-3 (previously identified as ST-8 from 2015 to 2019) represents water pumped from ST-S-1-South that is discharged to second portage lake.
5. No samples collected from ST-S-1-North, ST-S-1-South and ST-MMER-3 between June and September 2022.

0 250 500 m
UTM, Zone 14, NAD83

March 2024

Prepared by: B. Chemoff
GIS: P. Johnston
Verified by: C. Mollere
CA0007108_1008-0002-CH-0003.mxd



Boundaries and measurements shown on this document must not be used for engineering or land survey delineation. A land register analysis conducted by a land surveyor was not undertaken.

4.2 2023 Water Quality

The 2023 results of the groundwater and surface water quality analyses were compared to the maximum average concentration (MAC) of the Third Portage Effluent Discharge Limits (criteria) and are presented in Table B-1 included in Appendix B. Laboratory analytical reports are included in Appendix C. In the absence of groundwater criteria, the Water Licence effluent criteria are used for comparative purposes only; they are not directly applicable to groundwater.

The 2023 groundwater quality results are generally consistent with historical data. All parameter concentrations in 2023 met the MAC effluent criteria, except for the duplicate of sample MW-16-01b, which exceeded the total suspended solids concentration with a value of 21 mg/L. Note that these criteria were used for comparative purposes only since these waters are not directly discharged to the environment.

Some of the 2023 surface water samples exceeded the MAC effluent criteria. Predictably, the samples from the tailing ponds ST-21-N and ST-21-S yielded higher concentrations of cyanide and metals. ST-21-N had higher concentrations of aluminum and nickel. ST-21-S showed elevated concentrations of cyanide, nickel, and copper in the sample from September 2023.

4.3 2023 Chemical Water Signatures

The stiff diagrams for the 2023 groundwater monitoring program are provided in Appendix D, along with stiff diagrams for reclaim water and mine contact water for comparative purposes. Stiff diagrams are used to display the major ion composition of a water sample to rapidly compare the chemical signature of waters from different sources, such as natural water signature, compared to reclaim water signature. Based on the stiff diagrams, the major ion compositions of groundwater of this year program are similar and consistent with the 2018 through 2022 historical diagrams (SNCL 2019 and 2020; Golder 2021 and 2022).

All monitoring wells except MW-16-01 are showing a natural groundwater signature. The 2023 groundwater samples collected from MW-16-01 indicate a chemical signature trending towards that of reclaim water based on surface water quality data from stations ST-17 (Pit-A), ST-19 (Pit-E), ST-20 (Goose Pit), ST-21-South, ST-21-North and ST-S-5 (Appendix D) provided by Agnico Eagle. The chemical signature of MW-16-01 most closely resembles that of ST-17 from Pit-A and St-S-5 in the central dike area. These two samples are the closest in physical proximity to MW16-01.

The mine contact water samples collected from ST-30 and ST-31 north of the Portage RSF indicate a natural water signature (Appendix D). The elevated concentrations of sulphate may be related to sulphide mineral oxidation of the waste rock, while calcium and magnesium may correspond to the consumption of alkalinity minerals (calcite, dolomite).

4.4 Historical Water Quality

4.4.1 Available Data

The groundwater monitoring program was initiated in 2003. A total of 14 groundwater monitoring wells were installed between 2003 to 2018 to characterize the groundwater within the five site areas: South and Central Dike, East Flat (East Dike area), Goose Pit, Portage Pit-A and Portage Pit-E. The available historical groundwater monitoring program analytical results from 2003 to 2023 are included in Appendix E. A summary of the available Meadowbank groundwater quality data collected as part of the annual groundwater monitoring program is included in Table 4 in Section 4.4.2.

4.4.2 2003 to 2023 Water Quality Trends

A discussion of trends observed from the July and September 2023 groundwater quality data is presented in this section.

Concentrations of arsenic (total), chloride, copper (total), cyanide (total), iron (total), and sulphate, including sample duplicates are plotted for each monitoring location in Figures 4 through 9. These parameters are typically associated with the chemical signature of the reclaim water as discussed in Section 3.2.1. It is noted that metal constituents in groundwater are measured in the dissolved phase, of interest in water treatment processes. The total metal concentrations reported for arsenic, copper and iron represent a sum of the dissolved metal concentration and the particulate-derived metals dissolved upon acid-preservation of the sample prior to analysis. Total concentrations of arsenic, copper and iron are used as part of this assessment since the groundwater quality data is being compared to the Third Portage Lake Effluent Discharge Limits. Dissolved concentrations of constituents are presented for the 2008 groundwater quality monitoring data as total metals were not analyzed as part of that program.

The groundwater data is grouped by site as follows: South Cell and Central Dike, East flat (East Dike area), Goose Pit, Portage Pit-A (wall seepage) and Portage Pit-E (wall seepage) (refer to Table 4), where water quality is shown for different sampling locations within the given area. Half of the value of the laboratory reported detection limit was used for the graphs when the parameter result was below the analytical detection limit value.

Table 4: Summary of Available Meadowbank Groundwater Quality Data, 2003 to 2023

Site/Station ID	Type	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023
South Cell/ Central Dike		X			X				X	X			X	X	X	X	X	X	X	X	X	X
BH-10-01	BH								X													
MW-03-04	MW	X																				
MW-06-07	MW				X																	
MW-11-02	MW									X												
MW-14-01	MW												X	X								
MW-16-01	MW														X	X	X	X	X	X	X	X
East Flat / East Dike							X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
MW-08-02	MW						X	X	X	X	X	X	X	X								
MW-08-03	MW						X					X										
ST-S-1-North ^(a)	PW ¹															X	X	X		X		
ST-S-1-South ^(a)	PW ¹															X	X	X		X		
ST-8/ ST-MMER-3 ^(b)	PW ²													X	X	X	X	X	X	X		
ST-S-1 ^(a)	PW ²																		X	X	X	X
MW-IPD-01(s)	MW																X	X	X	X	X	X
MW-IPD-01(d)	MW																X	X	X	X	X	X

Table 4: Summary of Available Meadowbank Groundwater Quality Data, 2003 to 2023

Site/Station ID	Type	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023
Goose Pit		X	X		X	X	X	X	X	X						X	X	X	X	X	X	X
BG-Seep-21m	PWS															X	X					
BG-Seep-42m	PWS															X	X	X				
BG-Seep-80m	PWS															X						
MW-03-01	MW	X	X		X																	
MW-03-02	MW	X	X																			
MW-06-05	MW				X	X	X	X	X													
MW-06-06	MW				X																	
MW-11-01	MW									X												
MW-IPD-07	MW																X	X	X	X	X	X
Portage Pit-A		X	X													X	X	X		X	X	
MW-03-03	MW	X	X																			
Pit-A-Seep-East	PWS															X		X				
Pit-A-Seep-North	PWS																X					
Pit-A Seep	PWS																			X	X	
Portage Pit-E														X	X	X	X	X	X	X	X	X
Pit E3-B2	HH													X								
Pit E3-B6	HH													X	X							
Pit E3-B7	HH														X							
Pit E4	PWS														X							
Pit-E-Seep-40m	PWS															X						
Pit-E-Seep-SW	PWS															X						
Pit-E-Seep-North	PWS															X	X	X				
Pit-E-Seep-27 m	PWS																		X			
Pit-E Seep	PWS																			X		
MW-IPD-09	MW																X	X	X	X	X	X

Notes: BH = temporary borehole; MW = monitoring well; PW1 = pumping well (dike seepage); PW2 = discharge from pumping well; PWS = pit wall seepage; HH = horizontal hole.

- (a) ST-S-1-North and ST-S-1-South are pumping stations from the north and south of East Dike respectively; waters from these locations gets pumped to ST-S-1. ST-S-1-North and ST-S-1-South are no longer sampled individually. It represents internal discharge to Portage Pit-A.
- (b) ST-MMER-3 is also called ST-8: this sampling point represents discharge from ST-S-1 to Second Portage Lake.

Total Cyanide

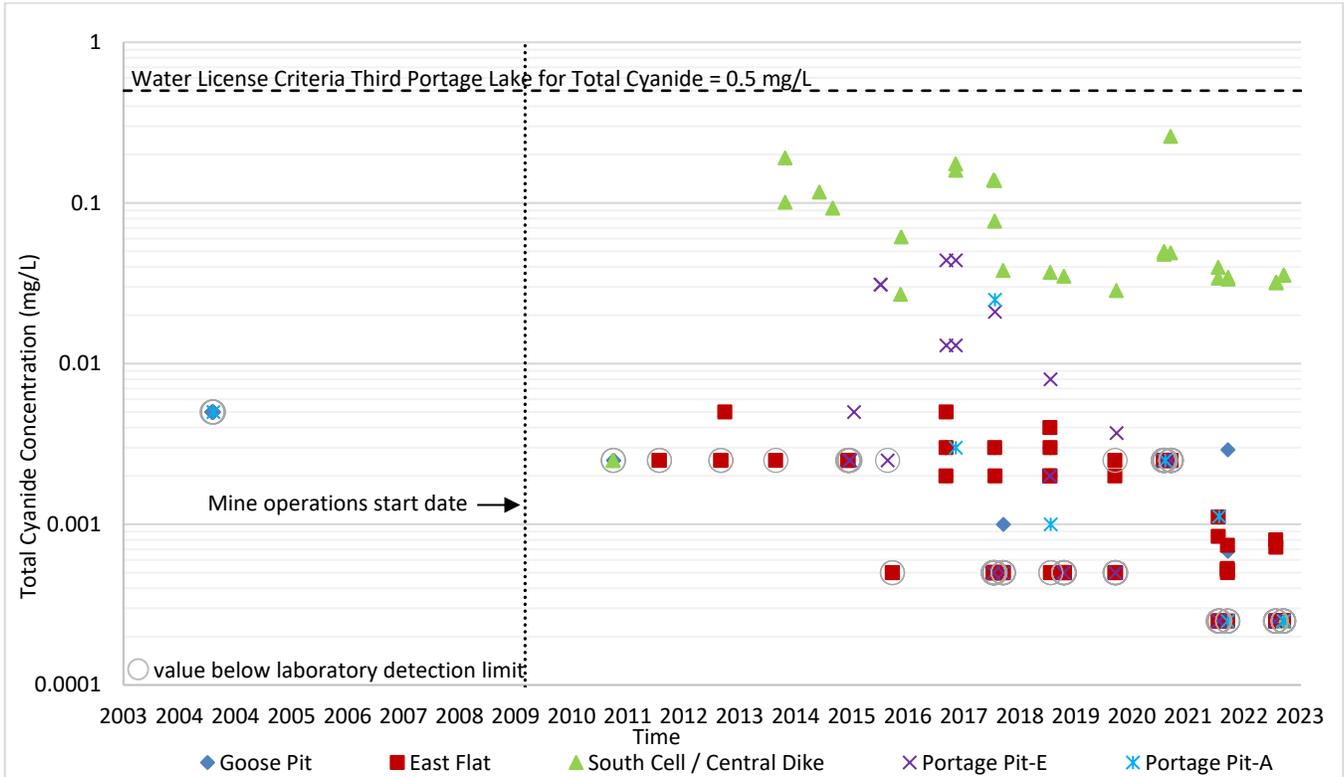


Figure 4: Historical concentrations of total cyanide in Meadowbank groundwater by area, between 2003 and 2023

The presence of cyanide is a strong indicator of the presence of tailings reclaim water.

- Total cyanide concentrations in groundwater remain consistently below MAC criteria (0.5 mg/L) at all locations.
- Higher total cyanide concentrations measured in samples collected around the South Cell and Central Dike area are related to storage of reclaim water in the South Cell TSF.
- Concentrations of total cyanide are variable over time.

Arsenic

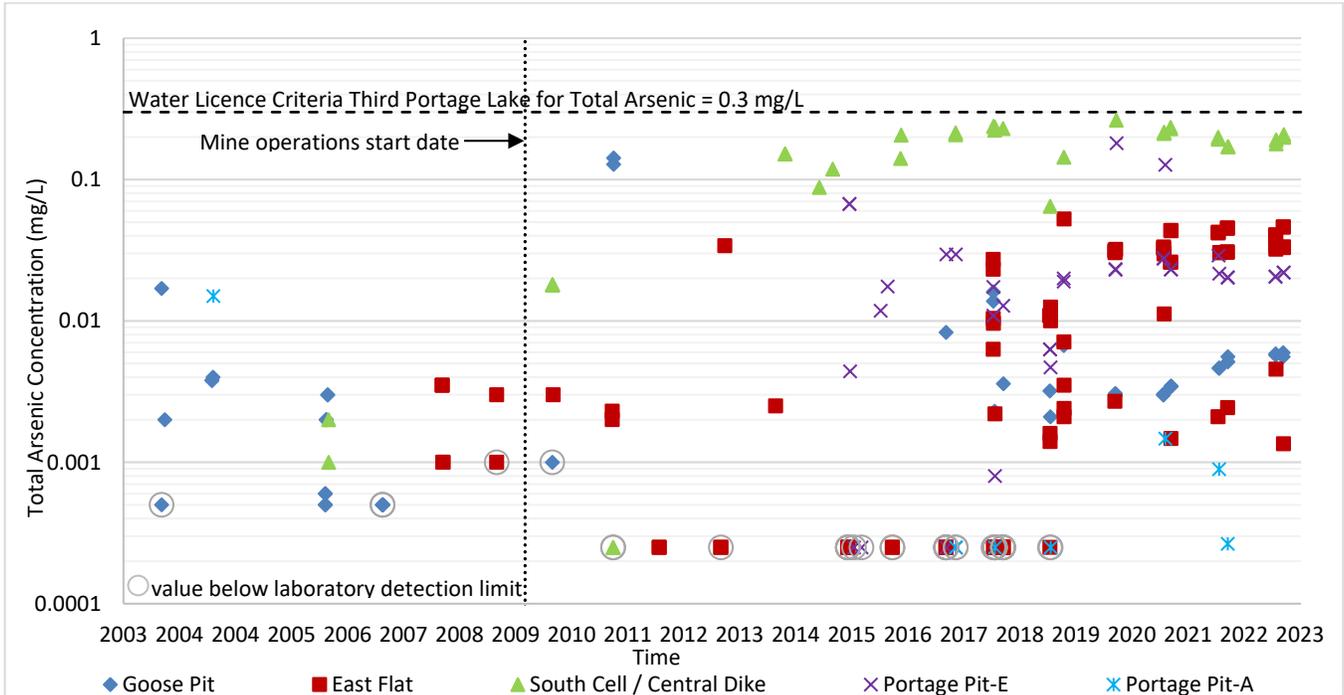


Figure 5: Historical concentration of total arsenic in Meadowbank groundwater by area, between 2003 and 2023

- Total arsenic concentrations in groundwater remained consistently below MAC criteria (0.3 mg/L) in 2023, although south cell/central dike concentrations approach this comparative criterion. Dissolved arsenic in groundwater also remains consistently below the MAC criteria.
- Total arsenic concentrations in groundwater have generally been higher within the South Cell and Central Dike area compared to the other samples taken around the pit, locations most proximal to historical tailings deposition. Given that MW-16-01 is located hydraulically downgradient of the TSF and the presence of total, free and WAD cyanide in the sample, the elevated total arsenic observed at MW-16-01 is interpreted to be related to the operation of the TSF.
- The maximum elevation of tailings deposited in Pit-E was approximately 89 masl during the July 2023 survey. ST-19, the surface pond in Pit-E, had a surface water elevation of 92.2 masl in September 2023, which was above the screened interval of MW-IPD-09 (71.4 to 52.4 masl), but below the water level at this well (131.5 masl), thus upgradient of flow to Pit E. Groundwater quality at MW-IPD-09 is not interpreted to be affected by reclaim water associated with IPD operations in Pit-E.

Chloride

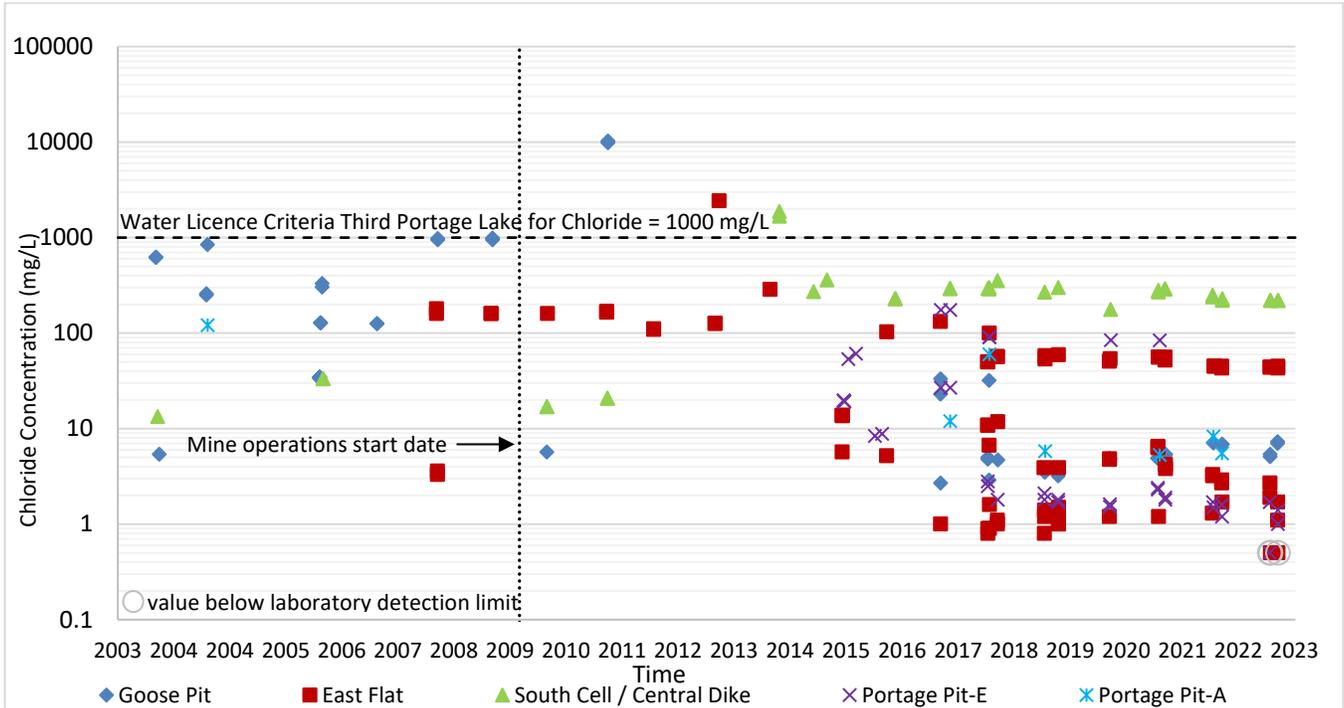


Figure 6: Historical concentration of chloride in Meadowbank groundwater by area, between 2003 and 2023

- Chloride concentrations in groundwater remain consistently below MAC criteria (1,000 mg/L) since 2016.
- High concentrations of chloride were measured in several monitoring wells prior to 2014, particularly within the vicinity of Goose Pit. The elevated concentrations of chloride in groundwater at these locations may be related to residual calcium chloride drilling brine in samples. Concentrations of chloride measured in the IPD monitoring wells installed in 2018 remain low.
- Concentrations of chloride at South Cell and Central Dike are higher compared to the other monitoring locations. The elevated concentrations of chloride observed at these locations may be related to the reclaim water stored in the nearby South Cell TSF.

Copper

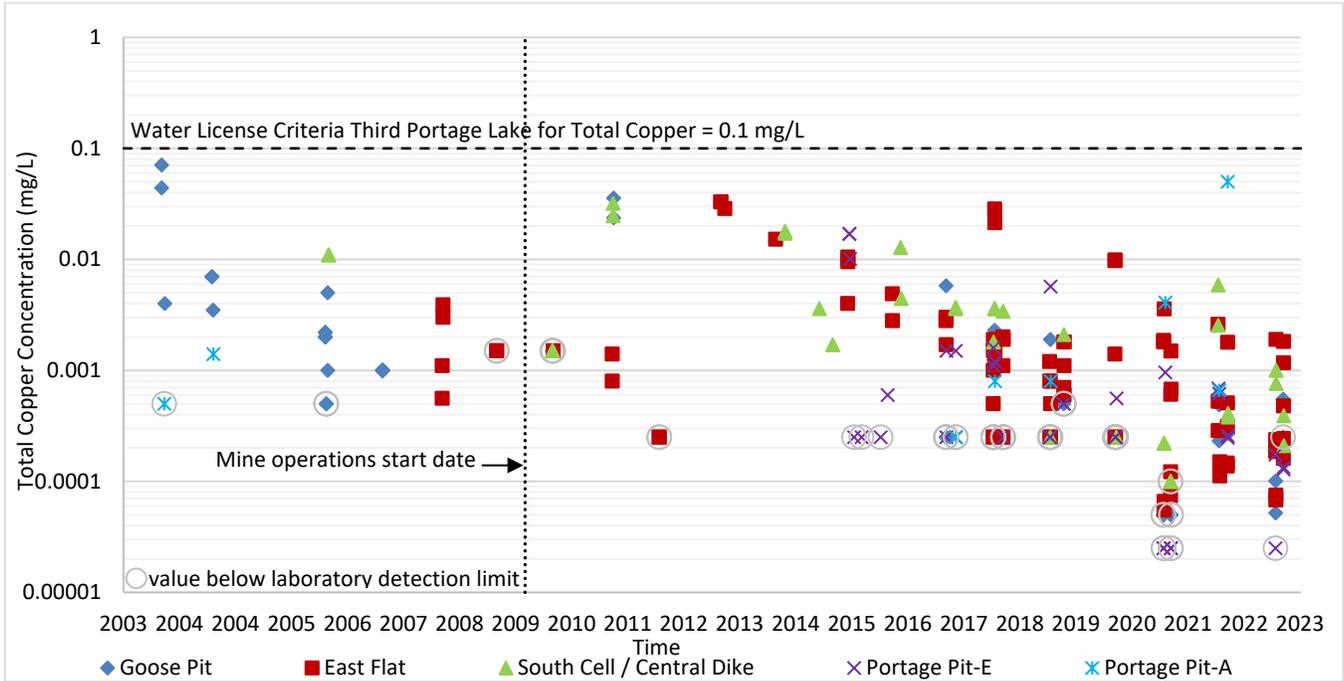


Figure 7: Historical concentrations of total copper in Meadowbank groundwater by area, between 2003 and 2023

- Total copper concentrations in groundwater remain consistently below MAC criteria (0.1 mg/L). Dissolved copper in groundwater also remains consistently below the MAC criteria.
- Concentrations of total copper have generally decreased over time in most areas. Observed values were typically an order of magnitude (or more) below the Water Licence criteria at Third Portage Lake for Total Copper. No data was gathered from Portage Pit-A this year, because of geotechnical concerns. Subsequent sampling programs should make an effort to determine copper concentrations for water in this area, if safe to do so.
- Total copper concentrations have increased in the Pit-A seep from 2021 to 2022. Agnico Eagle was not able to safely sample the seepage in this area in 2023. The pit wall seepage quality may be influenced by the chemistry of pit wall rock since the Pit-A east wall seep is adjacent to the Central Dump. Seep water sampling should continue at the west wall, if and when it is safe to do so, and at the east wall of Pit-A to identify potential sources of the copper in these waters.

Iron

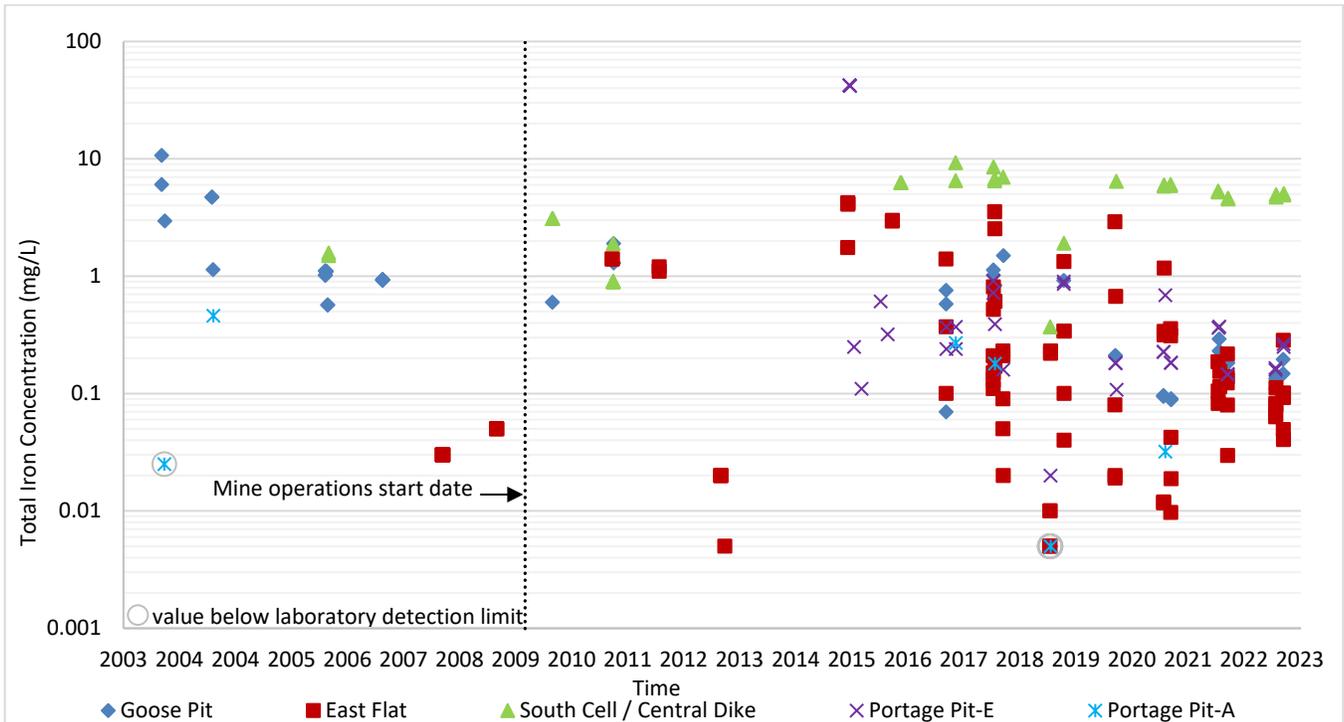


Figure 8: Historical concentrations of total iron in Meadowbank groundwater by area, between 2003 and 2023

- There is no MAC for total iron concentration.
- Total iron concentrations are higher in groundwater within the South Cell and Central Dike area compared to the other monitoring locations, where concentrations increased from 2005 to 2017, and have generally remained elevated with some variability. Dissolved iron concentrations also remain higher in groundwater within the South Cell and Central Dike area compared to the other monitoring locations, however concentrations have generally remained consistent. The elevated concentrations of total iron in the South Cell and Central dike coincide with higher TSS and turbidity measurements at MW-16-01 compared to the other monitoring locations, which indicates that particulates are likely contributing to the elevated concentrations of total iron. Higher concentrations of total iron measured in the South Cell and Central Dike area may related to storage of reclaim water in the South Cell TSF as turbidity in groundwater could be brought on by TSF seepage.

Sulphate

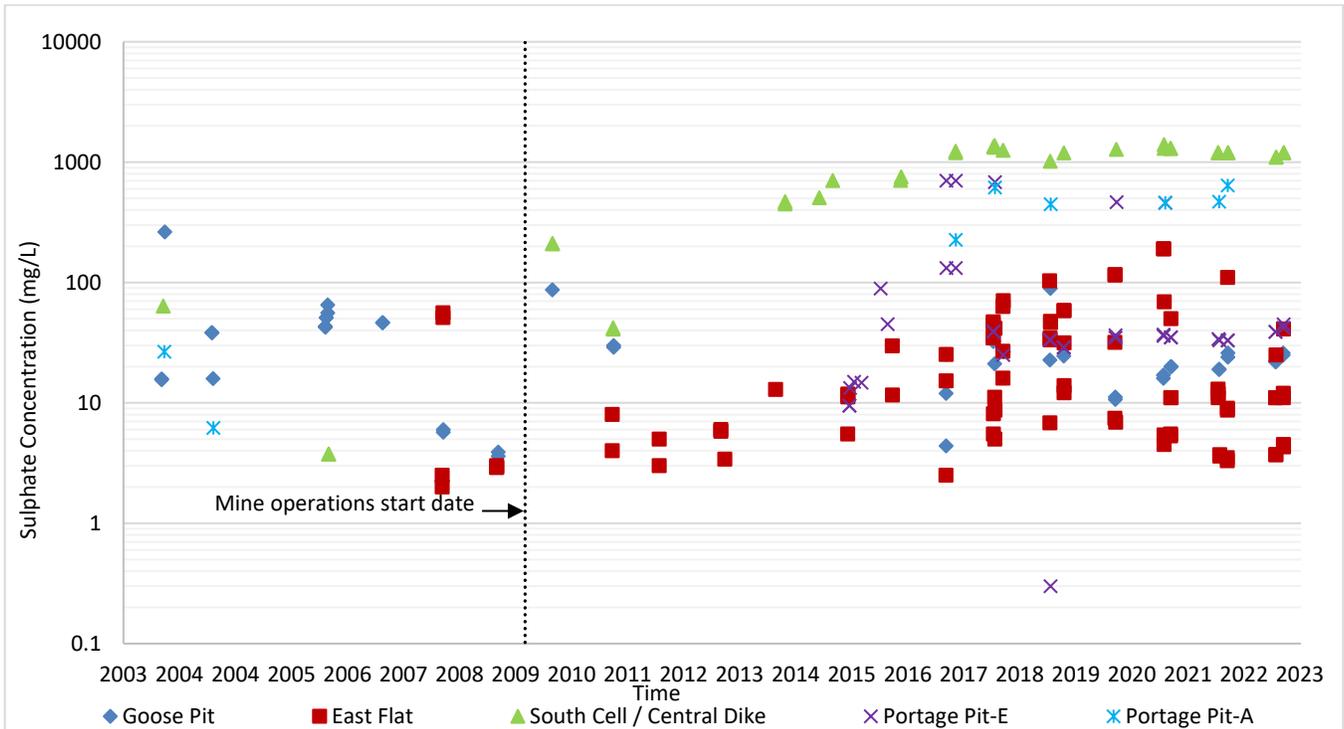


Figure 9: Historical concentrations of sulphate in Meadowbank groundwater by area, between 2003 and 2023

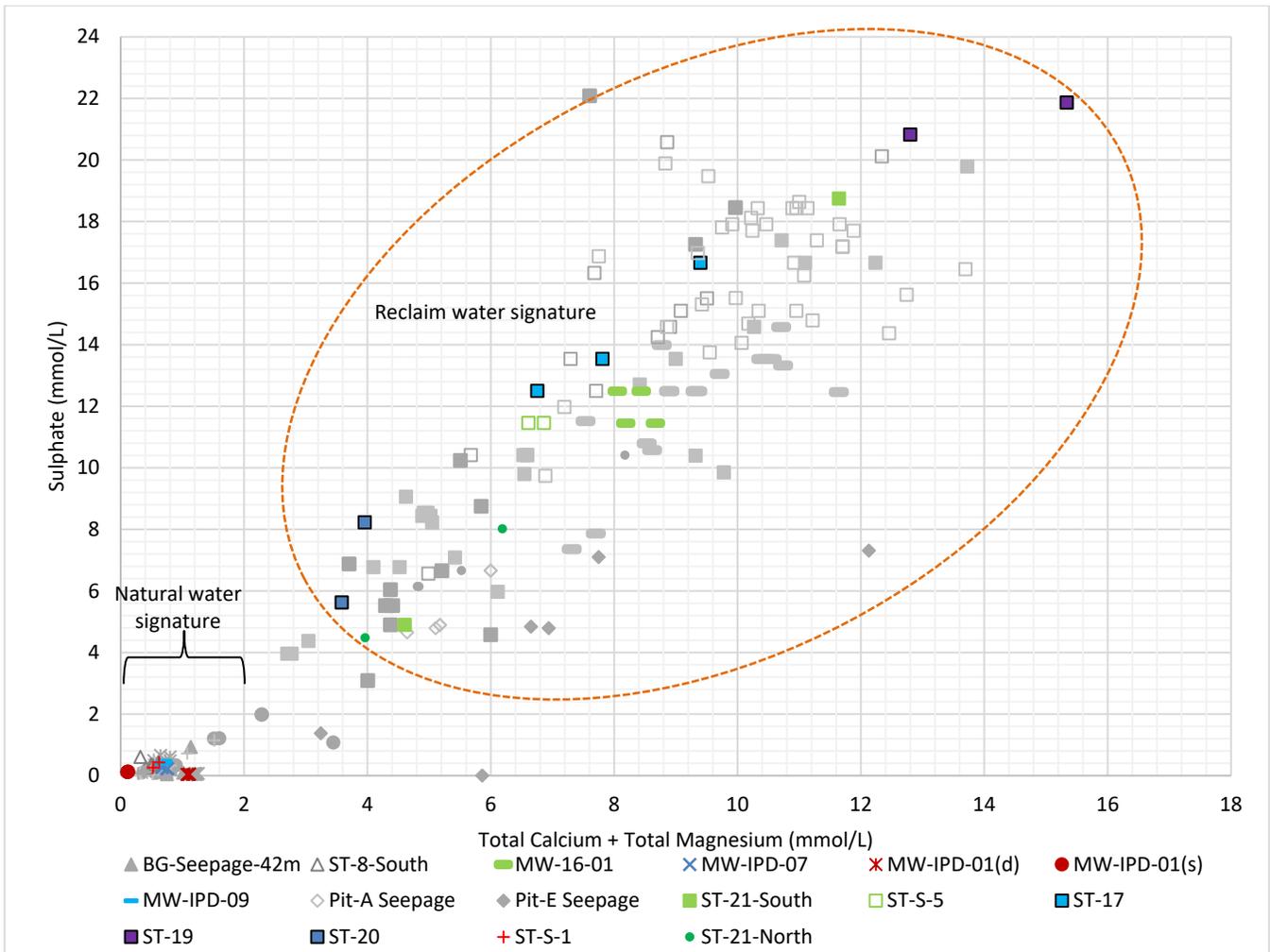
- There is no MAC for sulphate concentration.
- Concentrations of sulphate at South Cell / Central Dike have increased from 2014 to 2018 and have generally remained stable. The presence of sulphate at that location is likely related to reclaim water seepage.
- A sustained trend in concentrations of sulphate in the East Flat area. Low concentrations of sulphate reported to date at MW-IPD-01(s) during the September 2023 session (11.0 to 12.0 mg/L), while concentrations remained low at deeper monitor MW-IPD-01(d) (4.3 to 4.5 mg/L). The concentrations sulphate on the east side at MW-IPD-01(s) are lower than the concentrations on the west side of Pit-A measured at MW-16-01.
- No seepage samples were taken in 2023.

4.4.3 Major Element Content

The major ion concentration in water is also used to discern reclaim water presence in groundwater. Figure 10 is a plot of sulphate concentration versus the sum of dissolved calcium and magnesium, where the reclaim water stations show a higher content of these components than waters deemed less affected or unaffected. The 2023 groundwater monitoring and surface water monitoring station data are displayed in colour and are compared to 2017-2022 data displayed in grey. The surface water samples collected from Pit-A (ST-17), Pit-E (ST-19) and Goose Pit (ST-20) results prior to 2020 are not included in Figure 10 as these stations were not representative of reclaim water at the time of sampling.

Note that the sum of total calcium and total magnesium concentrations were plotted instead of the dissolved constituents based on the reclaim water data provided by Agnico Eagle for ST-S-5, ST-17, ST-19, ST-20, ST-21-South, and ST-21-North. Reclaim water sampled during the spring freshet (i.e., June) is subject to dilution and is not included in Figure 10. Calcium and magnesium are primarily present in the dissolved phase within the given conditions, therefore the use of the sum of the total concentrations of these parameters is reasonable for the purpose of this assessment.

The 2023 results show that reclaim water signature is present within the groundwater samples from MW-16-01 whereas this signature is non-existent in groundwater from MW-IPD-01(s), MW-IPD-01(d), MW-IPD-07, and MW-IPD-09. The 2023 MBK Landfill water quality data has a mixed signature, intermediate between reclaim water and natural water.



Note: The 2023 groundwater monitoring and surface water monitoring station data are displayed in colour and are compared to 2017-2022 data displayed in grey.

Figure 10: Concentrations of Sulphate versus Sum Total Calcium and Total Magnesium, 2017 to 2023

4.4.4 Salinity

Table 5 shows that concentrations of salinity components are variable throughout the years. Salinity at the IPD wells is consistently low compared to the pre-2016 wells which show a variable but generally decreasing trend in salinity. This decreasing salinity trend of pre-2016 wells is likely to be attributed, at least in part, to the progressive flushing of the salt brine used during drilling. The low salinity of IPD well groundwater may also reflect residual drilling fluid content which had low salinity (drilling fluid used comprised of a copolymer of acrylamide and sodium acrylate) which was not tagged with a tracer dye. The quantity of residual drill fluid in the formation at IPD wells is unknown.

Table 5: Concentration of Constituents that Relate to Groundwater Salinity

Area	Monitoring Well	Sample Year	TDS ^(a) (mg/L)	Conductivity (μ S/cm)	Chloride (mg/L)
Goose Island	MW03-01	2003	793	1,855	626
		2004	1,335	2,900	845
		2006	315 ^(b)	460 ^(b)	81 ^(b)
		2007	389	588	126
		2008	1,100	3,200	950
		2009	1,900 ^(b)	3,350 ^(b)	970 ^(b)
		2010	340	335 ^(b)	5.7
	MW11-01	2011	14,840	3,999	10,271
	MW-IPD-07	2018	171	Not Available	4.8
		2019	145	233 ^(b)	3.5 ^(b)
		2020	154 ^(b)	260 ^(b)	4.8 ^(b)
		2021	140 ^(b)	245 ^(b)	5.1 ^(b)
		2022	133 ^(b)	219 ^(b)	7.0 ^(b)
2023		149 ^(b)	245 ^(b)	6.2 ^(b)	
Third Portage East Flat	MW08-02	2008	510 ^(b)	808 ^(b)	160
		2009	520 ^(b)	705 ^(b)	160 ^(b)
		2010	450	690 ^(b)	160
		2011	523	782 ^(b)	169
		2012	307 ^(c)	616 ^(b)	111
		2013	411 ^(b)	484 ^(b)	127 ^(b)
		2014	57 ^(b)	95 ^(b)	9.7 ^(b)
		2015	74	109	13.7
		2016	264 ^(b)	442 ^(b)	54.1 ^(b)
		2017	380	323	132
	2018	178 ^(b)	176 ^(b)	53.4 ^(b)	
	MW-IPD-01(s)	2018	158	Not available	10.8
		2019	298 ^(b)	576 ^(b)	3.9 ^(b)
		2020	220 ^(b)	387	4.8
		2021	205 ^(b)	322 ^(b)	5.2 ^(b)
		2022	75 ^(b)	127 ^(b)	3.0 ^(b)
2023		74 ^(b)	124 ^(b)	1.7 ^(b)	

Table 5: Concentration of Constituents that Relate to Groundwater Salinity

Area	Monitoring Well	Sample Year	TDS ^(a) (mg/L)	Conductivity (μ S/cm)	Chloride (mg/L)
Third Portage East Flat	MW-IPD-01(d)	2018	294 ^(b)	Not available	53.3
		2019	321 ^(b)	516 ^(b)	57 ^(b)
		2020	235	385	53.8
		2021	214 ^(b)	380 ^(b)	55 ^(b)
		2022	173 ^(b)	169 ^(b)	44.3 ^(b)
		2023	165 ^(b)	329 ^(b)	44 ^(b)
South Cell/ Central Dike	BH10-01	2010	670 ^(b)	935 ^(b)	17
	MW11-02	2011	263	400 ^(b)	20.9
	MW-14-01	2014	3,152 ^(b)	5,030	1,777 ^(b)
		2015	1,243 ^(b)	1,817 ^(b)	317 ^(b)
	MW-16-01	2016	1,029 ^(b)	1,691 ^(b)	230 ^(b)
		2017	1,728 ^(b)	1,984 ^(b)	262 ^(b)
		2018	1,586	1,681	226
		2019	1,492 ^(b)	2,703 ^(b)	285 ^(b)
		2020	2,350	3,098	177
		2021	2,468 ^(b)	3,190 ^(b)	283 ^(b)
		2022	2,098 ^(b)	3,247 ^(b)	235 ^(b)
2023		2,053 ^(b)	2,999 ^(b)	220 ^(b)	
Portage Pit-E	MW-IPD-09	2018	132	Not available	2.8
		2019	120 ^(b)	189 ^(b)	1.9 ^(b)
		2020	133 ^(b)	204 ^(b)	1.6 ^(b)
		2021	116 ^(b)	217 ^(b)	2.1 ^(b)
		2022	133 ^(b)	69 ^(b)	1.5 ^(b)
		2023	123 ^(b)	205 ^(b)	1.4 ^(b)

Notes: mg/L = milligram per litre; Italic - field measured value.

(a) Laboratory measurement except for in 2011 which reported values as dissolved solids.

(b) Average calculated value of annual, bi-annual and/or duplicate sample sets.

(c) TDS value calculated from laboratory measured values of dissolved constituents.

Salinity parameters are highest in groundwater at monitoring well MW-16-01 located directly east of the South Cell TSF and Central Dike, historically it has shown an increasing trend since 2016, however, values have stabilized in the last two years.

4.4.5 Cyanide, Arsenic and Chloride in Groundwater

The upward trend of cyanide (CN), arsenic (As) and chloride (Cl) concentrations of the one groundwater and nine surface samples for the period from 2017 to 2023 are presented in Figures 11 to 13. Correlation between cyanide and chloride are strongest for samples located in the South Cell TSF and Central Dike area. In general, samples from ST-21-S, ST-21-N, and ST-S-5 showed higher concentrations of As, Cl, and CN. Samples from monitoring well MW-16-01 also showed elevated levels of these compounds, which makes sense because it is hydraulically downgradient of the tailings cells.

Higher cyanide and arsenic concentrations were measured at MW-16-1, ST-S-5, ST-21-North, ST-21-South (Figure 11 and Figure 13). The groundwater and surface water quality from these locations are related to reclaim water from mining operations associated with the deposition of tailings in the tailings storage facility (TSF) and Central Dike Pond. Lower cyanide and arsenic concentrations are in line with those areas considered not to be representative of reclaim water including Pit-A east wall seepage, north of Portage RSF (ST-30 and ST-31), south of Portage RSF (MBK Landfill), and Stormwater Management Pond (SWMP). Noteworthy is that most samples have cyanide and arsenic concentrations below the discharge limit criteria, except for four samples ST-21-South (November 2017), ST-21-North (July 2021), ST-S-5 (June 2022), and ST-21-S (September 2023) as shown in Figures 11. Elevated cyanide concentrations (>0.5 mg/L) typically coincide with the higher chloride concentrations (>120 mg/L) on samples from ST-S-5, ST-21-South, ST-21-North, and MW-16-01. Low cyanide-chloride concentrations were measured at ST-30, ST-31, and Pit-A wall seepage.

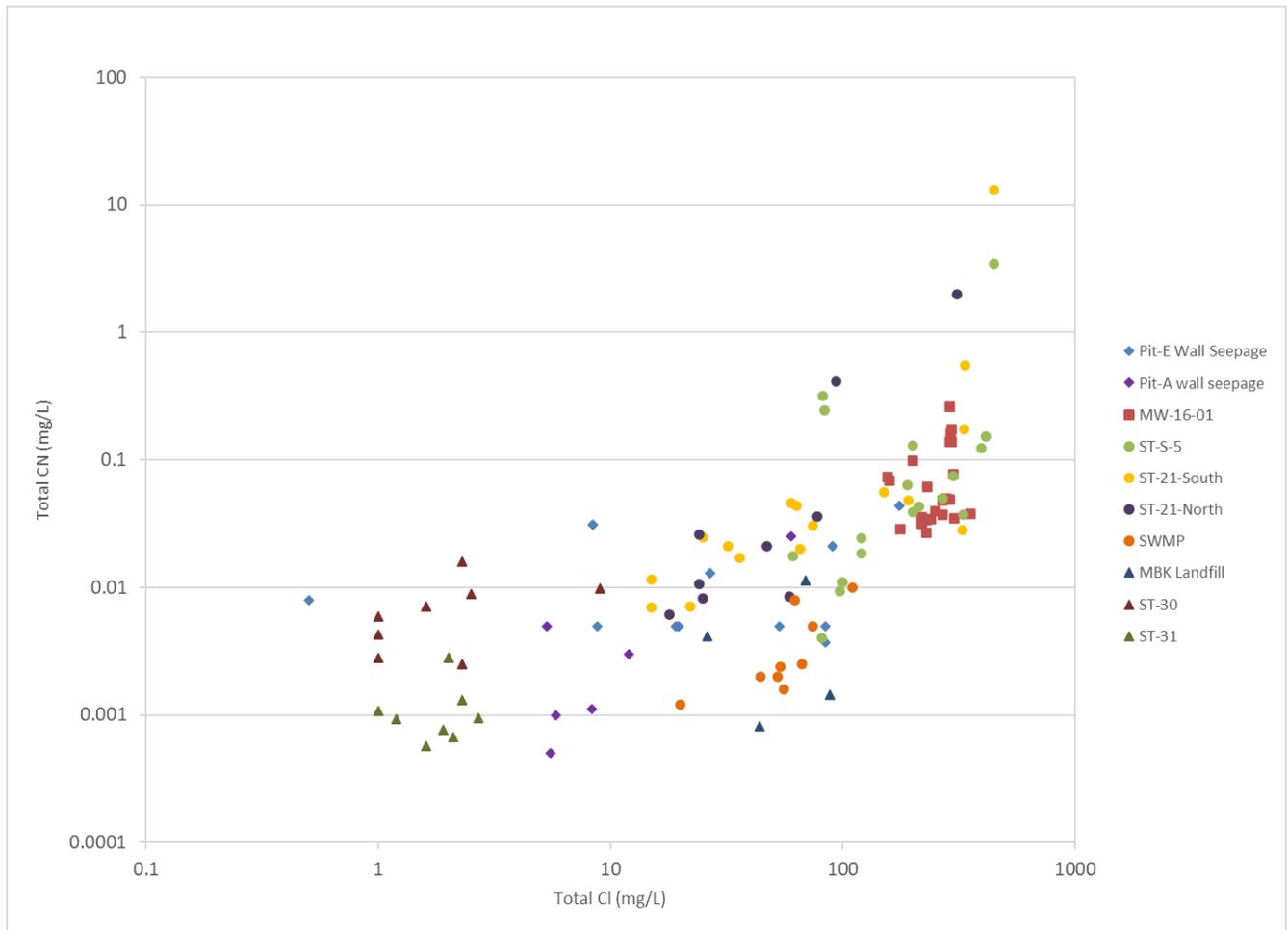


Figure 11: Concentration of Cyanide versus Chloride, 2017 to 2023

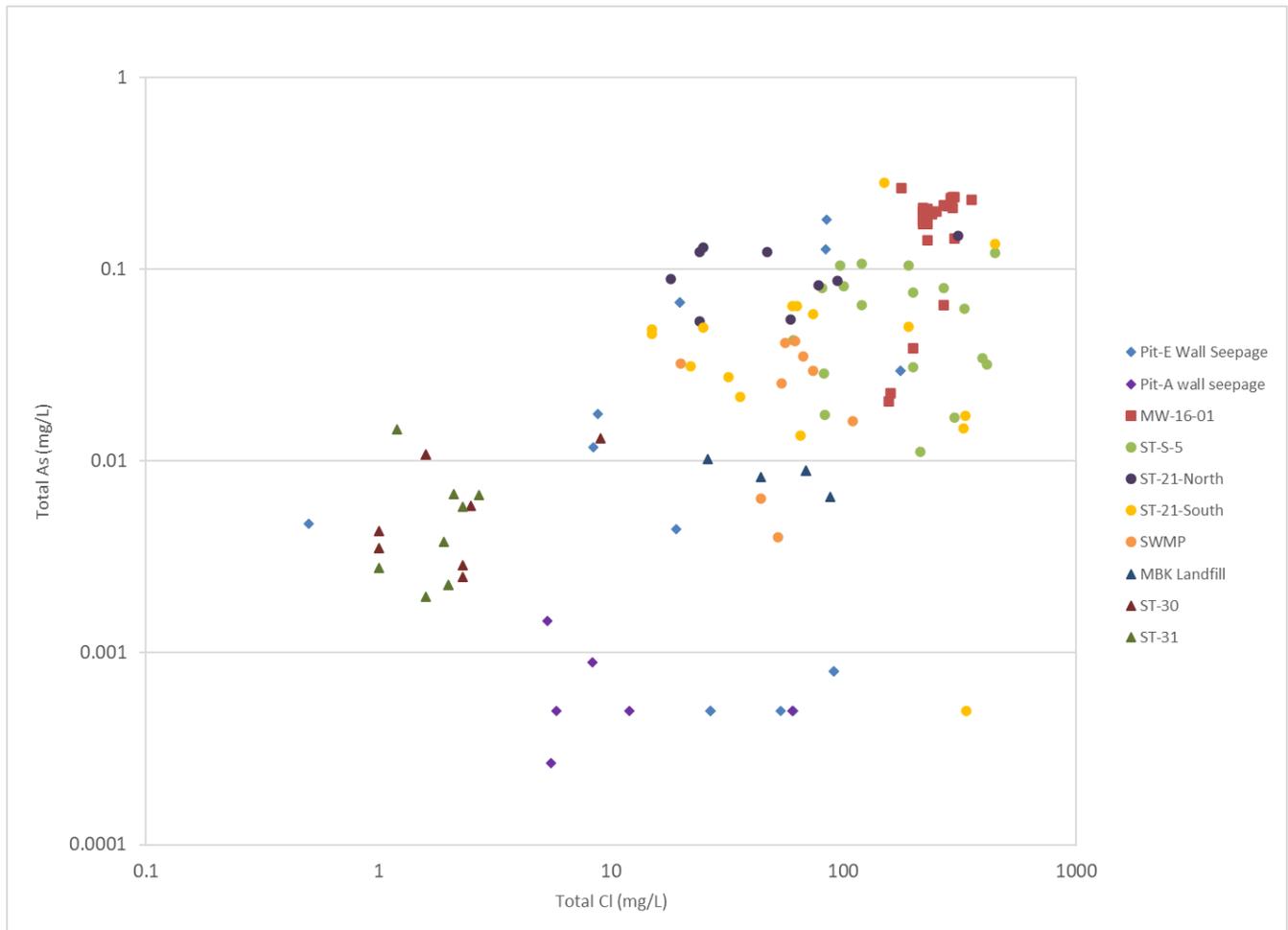


Figure 12: Concentrations of Arsenic versus Chloride, 2017 to 2023

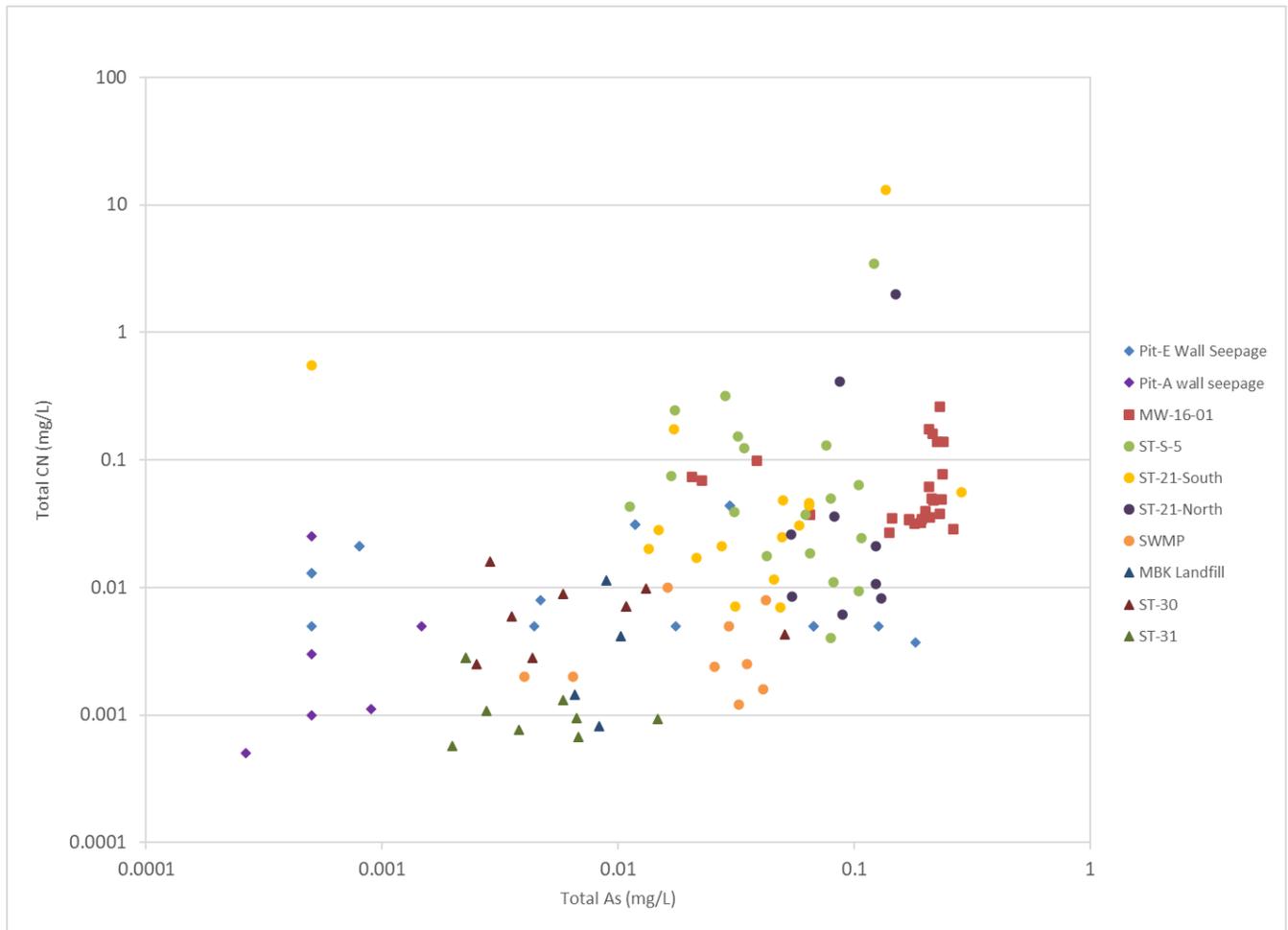


Figure 13: Concentrations of Cyanide versus Arsenic, 2017 to 2023

4.5 Evaluation of Effects of Reclaim Water on Groundwater

The following conclusions are based on the interpretation of the 2023 groundwater quality data:

- The groundwater quality in monitoring wells MW-IPD-01(d), MW-IPD-01(s), MW-IPD-07, and MW-IPD-09 continues to display a chemical signature consistent with background groundwater and does not appear to be significantly affected by reclaim water. This is expected since the four IPD wells are situated hydraulically downgradient from the Second Portage Lake (MW-IPD-01(s) and MW-IPD-01(d)) and Third Portage Lake (MW-IPD-07 and MW-IPD-09), therefore water quality at these monitors is likely to be influenced by Lake water flowing (seeping) west towards the monitoring wells and the pits and not the TSF or IPD operations, at this time.
- Groundwater monitoring at MW-IPD-01(d) is completed at a greater depth than other monitoring points (i.e., 163-181 metres compared to 80 metres). The consistent groundwater quality at this location (including the chloride concentrations, which range from 43 mg/L to 45 mg/L in 2023) is likely representative of natural water quality in the deeper bedrock unit and not affected by Meadowbank mining operations. Higher concentrations of chloride at MW-IPD-01(d) are interpreted to be related to the effect of salinity naturally increasing with depth (Frape & Fritz 1987).
- Reclaim water in the South Cell TSF continues to be a source of sulphate, cyanide, chloride, sodium, calcium, and other trace elements for surface water and groundwater at the site. The groundwater quality at monitoring well MW-16-01 is interpreted to be affected by reclaim water from the South Cell TSF.
- Groundwater quality does not appear to be affected by IPD operations in the Goose Pit (July 2019 to August 2020) and Portage Pit-E (August 2020 to present).

4.6 Quality Assurance/Quality Control

The RPD and +/- MDL values calculated from the duplicate pairs of results are presented in Table B-2 included in Appendix B. Approximately 37% of the duplicate pairs of analyses had one or both results below the method detection limit and consequently could not be assessed for repeatability. QA/QC results for the duplicate samples were within acceptable tolerance limits (RPD or +/- MDL) with the following exceptions listed below in Table 6:

Table 6: Parameters Exceeding QA/QC Acceptable Tolerance Limits

Location	July Session	September Session
MW-16-01	Turbidity, Dissolved metals (Cu, Al, Zn), Total Metals (Cr, Cu, Pb, Ni).	TSS, Dissolved Metals (Al, Pb, Zn), Total Metals (Al, Cu, Pb, Zn)
MW-IPD-01(d)	Free CN, Dissolved Metals (Zn), Total Metals (Cr, Ni, Zn)	Dissolved Metals (Cu, Pb), Total Metals (Al, Cu, Pb, Zn)
MW-IPD-01(s)	Free CN, TDS, Dissolved Metals (Ba, Pb), Total Metals (Al, Ba, Pb, Zn)	TDS, P, Dissolved Metals (Ba, Pb), Total Metals (Al, Ba, Fe, Zn)
MW-IPD-07	Dissolved Metals (Al, Fe, Pb, Ni, Zn), Total Metals (Al, Cr, K, Pb, Ni)	Dissolved Metals (Al), Total Metals (Al, Fe), Nitrogen (all parameters)
MW-IPD-09	Dissolved Metals (Al, Zn), Total Metals (Ba)	Free CN, Dissolved Metals (Al, Cu, Pb, Ni, Zn), Total Metals (Zn)

The reason for the deviation in the various dissolved metal constituents is unknown as the groundwater samples were filtered in the field prior to analysis. The presence of trace suspended solids in the samples may have influenced the concentrations of total metal constituents, free cyanide, phosphorus and turbidity between the duplicate samples. The discrepancy between the duplicate samples is interpreted to be primarily caused by variability in the groundwater samples, rather than analytical and/or sampling procedure limitations. Regardless, sampling procedures will be reviewed with field personnel next year.

Duplicate concentrations of all parameters measured at these locations are within the historical range. Based on the available historical data, the analytical results for the samples discussed above are interpreted to be representative of water quality. Section 2.5.2 of the GWMP states that one field blank and one travel blank will be collected during each monitoring session. WSP personnel collected a field blank and travel blank on July 22 and September 10, 2023. Trace components and major elements for all samples are considered adequately repeatable. The results of the analysis of the field and trip blanks collected by WSP were very low or below the laboratory detection limits for most parameters, with some exceptions.

The field blank from July (FB-23-01) had concentrations of total cyanide at 0.00066 mg/L, total chromium at 0.0123 mg/L, total molybdenum at 0.0119 mg/L, and total Ni at 0.0561 mg/L. The trip blank from July (TB-23-1) had concentrations total cyanide at 0.00057 mg/L, and total aluminum at 0.00126 mg/L. The field blanks comprised of using de-ionized water to fill one set of bottles at wellhead MW-IPD-01(d). The source of the low concentrations of the constituents mentioned above are unknown but may have been introduced at the wellhead setting during sampling or sourced from the de-ionized water used for the sample preparation. The trip blank from September (MW-IPD-01-TB) had concentrations of free cyanide at 0.0023 mg/L. The trip blank consisted of a sealed sample bottle set prepared by the analytical laboratory that was transported with the samples to the lab. Detections in the trip blank are indicative of laboratory or sample bottle contamination and should be reviewed with the lab to verify the source of contamination and target its prevention in future sampling.

Total cyanide is the sum of free, WAD and strong cyanide complexes. During 2023, there were occurrences where total and WAD cyanide results remained low and/or below the laboratory detection limit (0.0005 mg/L), while concentrations of free cyanide were detected in trace amounts above the laboratory detection limit (0.002 mg/L) in samples not interpreted to be impacted by reclaim water (i.e., trip blank, field blank and groundwater samples from MW-IPD-01D, MW-IPD-01S, MW-IPD-07, MW-IPD-09, refer to Table B-3 included Appendix B). Correspondence with the analytical laboratory indicates there is a higher degree of certainty with the total and WAD cyanide results since the analytical methods are automated instead of manual (free cyanide). The trace of cyanide species reported remain within the acceptability limits for reporting.

The calculated charge balance error for all samples was equal to or below +/- 10 % which is considered acceptable according to the USEPA (1994).

5.0 SUMMARY OF MONITORING WELL CONDITIONS

All monitoring wells and sampling equipment monitored in 2023 were in good condition and secure, with the following exceptions reported to Agnico Eagle personnel during the field program:

MW-IPD-01(d)

- The monitoring well is enclosed within a modified Seacan container. Improved from the 2020 and 2021 field programs: the doors to the Seacan were able to be fully shut at upon completion of the July and September 2023 field programs. The Seacan door should be maintained shut to protect the well enclosure from weather conditions, intrusion or damage by animals or traffic. However, a plastic bag was left overtop the well to protect it in case the Seacan door opens.

MW-IPD-09

- MW-IPD-09 and ground surface are situated in a low point. Ponding of surface water was visible at times around the HWT casing of the well. A plastic bag has been wrapped around the top of the HWT casing to prevent surface water from entering the HWT casing. The HWT casing can be extended, and soil could be added around it to shed water away from the well. A more resistant cap (metallic cap) should be used instead of the plastic bag top.

MW-16-01

- Monitoring well MW-16-01 has a DVP and 300 metre water level tape stuck inside the well since the 2021 field program. The DVP is located at approximately 90 metres below the top of the HWT casing. This does not affect the operation of the well as both the DVP and monitoring well remain operational. This must continue to be considered when reviewing water quality data. No recovery efforts are deemed necessary if the monitoring well and DVP are operational and do not affect the water quality in the well.

6.0 CONCLUSIONS

The groundwater monitoring program was conducted in July and September 2023. WSP personnel collected groundwater samples from all five of the existing monitoring wells present on-site: MW-16-01, MW-IPD-01(s), MW-IPD-01(d), MW-IPD-07, and MW-IPD-09. Agnico Eagle personnel provided supplemental water quality data. No groundwater samples were collected at Pit-A or Pit-E Seepage during the 2023 groundwater sampling campaign due to unstable ground surface conditions of the wall and the flooded conditions in the pit at the seepage inflow point.

Groundwater quality results were compared to the Portage effluent quality discharge limits stipulated in the Meadowbank Water Licence, for comparative purposes only, as there are no groundwater quality criteria applicable to the site. All groundwater samples collected in 2023 met these screening criteria, except for the duplicate of sample MW-16-01b, which exceeds the total suspended solids concentration with a value of 21 mg/L.

The chemical signature of the groundwater at MW-16-01 continues to show similarities to the water stations ST-17, ST-S-5, and ST-21-S. The groundwater quality at monitoring well MW-16-01 is interpreted to be affected by reclaim water from the South Cell TSF based on similar chemical signatures to reclaim water monitoring stations ST-21-North, ST-21-South (South Cell TSF surface water), ST-S-5 (Central Dike seepage). These monitoring locations are located hydraulically downgradient of the South Cell TSF and Central Dike. Chemical fingerprint continues to be a good indicator of TSF seepage effects, where the presence of elevated cyanide and arsenic concentrations are associated with mining operations, specifically water from the TSF and Central Dike Pond.

The groundwater quality in monitoring wells MW-IPD-01(d), MW-IPD-01(s), MW-IPD-07, MW-IPD-09 continues to display a natural water signature and can be used as background values against which to monitor groundwater quality in the future.

Based on the results of the 2023 groundwater monitoring program, the monitored groundwater quality locations do not appear to be affected by in-pit deposition operations in the Goose Pit from July 2019 to August 2020 or Portage Pit-E since operations commenced in August 2020. The four IPD monitoring wells remain hydraulically downgradient from Second Portage Lake (MW-IPD-01(s) and MW-IPD-01(d)) and Third Portage Lake (MW-IPD-07 and MW-IPD-09), such that water quality at these monitors is likely to be influenced by surface water flowing (Lake water seeping) west towards the monitoring wells and into the pits and not the TSF or IPD operations, at this time.

7.0 RECOMMENDATIONS

Based on the findings of the 2023 groundwater monitoring program, the following recommendations are made for the 2024 groundwater monitoring program:

- Continue to include a detailed survey of the water levels measured in the monitoring wells and surface water monitoring stations North Cell TSF, South Cell TSF, Central Dike Pond, Goose Pit, Goose West Pond, Pit-E, Pit-A, SWMP, Second Portage Lake and Third Portage Lake to document the hydraulic gradients influencing the potential movement of reclaim water and its potential effects to surface water related to Meadowbank Mine site operations. The movement of reclaim water across the site will change as the tailings and water levels in the IPD pits continue to increase over time.
- Continue to coordinate routine sampling of the Meadowbank Mine Water Licence stations of interest to the groundwater monitoring program such as reclaim water stations ST-17 (Pit-A), ST-19 (Pit-E), ST-20 (Goose Pit), Central Dike ST-S-5 (reclaim water) and East Dike discharge station ST-S-1 concurrently with the 2024 bi-annual groundwater monitoring program (i.e., MW-16-01, IPD monitoring wells, and Pit-A wall seepage, if accessible). Submit the samples for the same analytical parameters as those under the Table 2 of Schedule I of the Meadowbank Water Licence states that the groundwater must be monitored for Group 2 chemical parameters which include, per Table 1 of this Schedule (refer to analytical requirements listed in Table 2 of this report) to facilitate the assessment of groundwater quality, reclaim water movement and its potential effects to surface water of mining activities at the Meadowbank Mine site.
- Water quality data from sources that are affected by waste rock contact water that exclude tailings (i.e., MBK Landfill and near the Portage RSF) should continue to be collected and used to assist in distinguishing between the reclaim water signature and waste rock contact water.
- The decision to sample Pit-A and Pit-E seeps must continue to be based on safety of access. If and when safe to do so in 2024, bi-annual sampling of seepage at Pit-E and Pit-A west wall and east wall should be carried out in order to document water quality of seepages and compare against the copper concentration measured in 2022.
- In accordance with Table 2 of the Meadowbank Water Licence, continue to monitor seeps monthly or as often as present, and where and when safe to do so, and analyze collected waters for Group 1 parameters. Continue to conduct seepage survey of along the pit walls of Portage Pit-A and Portage Pit-E to evaluate effects related to South Cell TSF and collect pit wall samples where/when safe to do so. Take photographs of pit walls, document presence and absence of seeps, seepage locations, seepage discharge rates and water quality.

8.0 CLOSURE

The reader is referred to the Study Limitations, which follows the text and forms an integral part of this report. We trust the above meets your present requirements. If you have any questions or require additional information, please contact the undersigned.

WSP Canada Inc.

ORIGINAL SIGNED

ORIGINAL SIGNED

Dale Holtze, MSc, P.Geo (ON, NU/NT)
Hydrogeologist

Jennifer Levenick, P.Eng (NT/NU)
Principal Hydrogeologist

BC/CM/DH/JL/cc

9.0 STUDY LIMITATIONS

WSP Canada Inc.(WSP) has prepared this document in a manner consistent with that level of care and skill ordinarily exercised by members of the engineering and science professions currently practising under similar conditions in the jurisdiction in which the services are provided, subject to the time limits and physical constraints applicable to this document. No warranty, express or implied, is made.

This document, including all text, data, tables, plans, figures, drawings and other documents contained herein, has been prepared by WSP for the sole benefit of Agnico Eagle Mines Limited. It represents WSP's professional judgement based on the knowledge and information available at the time of completion. WSP is not responsible for any unauthorized use or modification of this document. All third parties relying on this document do so at their own risk.

The factual data, interpretations, suggestions, recommendations and opinions expressed in this document pertain to the specific project, site conditions, design objective, development and purpose described to WSP by Agnico Eagle Mines Limited, and are not applicable to any other project or site location. In order to properly understand the factual data, interpretations, suggestions, recommendations and opinions expressed in this document, reference must be made to the entire document.

This document, including all text, data, tables, plans, figures, drawings and other documents contained herein, as well as all electronic media prepared by WSP are considered its professional work product and shall remain the copyright property of WSP. Agnico Eagle Mines Limited may make copies of the document in such quantities as are reasonably necessary for those parties conducting business specifically related to the subject of this document or in support of or in response to regulatory inquiries and proceedings. Electronic media is susceptible to unauthorized modification, deterioration and incompatibility and therefore no party can rely solely on the electronic media versions of this document.

10.0 REFERENCES

- Agnico Eagle (Agnico Eagle Mines Limited). 2020. Meadowbank Gold Project Groundwater Monitoring Plan, Version 11. April 2020.
- Frape, S. K. and Fritz, P. 1987. Geochemical Trends for Groundwaters from the Canadian Shield. Saline Water and Gases in Crystalline Rocks. Editors: Fritz, P. and Frape, S.K. Geological Association of Canada Special Paper 33, p. 19-38.
- Golder Associates Ltd. (Golder). 2021 Groundwater Monitoring Report Meadowbank Mine, Nunavut. March 2021. 20148777-504-R-Rev0. March 2021.
- Golder. 2022 Groundwater Monitoring Report Meadowbank Mine, Nunavut. March 2022. 21452766-535-R-Rev0. March 2022.
- Golder. 2023 Groundwater Monitoring Report Meadowbank Mine, Nunavut. March 2023. 22525330-571-R-Rev0. March 2023.
- Hounslow AW (1995) Water Quality Data: analysis and interpretation. CRC Press, Florida
- SNCL (SNC-Lavalin). 2019. 2018 Groundwater Monitoring Program Report. Document No. 645182-3000-4EER-001. December 12, 2018.
- SNCL. 2020. 2019 Groundwater Monitoring Report. Document No. 665965-4000-4EER-0001. April 17, 2020.
- USEPA. 1994. USEPA Contract Laboratory Program National Functional Guidelines for Inorganic Review. EPA 540/R-94/013. Office of Emergency and Remedial Response, Washington, D.C. February 1994.

APPENDIX A

**2023 Monitoring Well Development Logs and
Supplementary Sampling Information**

GROUNDWATER SAMPLING SUPPLIES REMAINING ON-SITE

- Solinst Model 464 Electronic Pneumatic Pump Control Unit, compressed air lines and nitrogen regulator
- 2 x 200' rolls of ¼-inch LDPE tubing
- 1 x 100' roll of 3/8-inch LDPE tubing
- 2.5' 3/8-inch silicon tubing
- 2.5' 5/8-inch silicon tubing
- 1 x 200' 5/8-inch HDPE tubing

NITROGEN GAS

Table A-1 summarizes the 2023 nitrogen gas usage and amount remaining in the tank(s) located at each of the five monitoring well locations. The amount of nitrogen gas remaining at each wellhead is likely in-sufficient for bi-annual groundwater monitoring session, with the exception of MW-IPD-07. Additional nitrogen will be required.

Table A-1: Summary of Nitrogen Tank Pressures at Each Monitoring Well

Monitoring Well ID	Nitrogen Usage during Groundwater Monitoring Program (psi)		Nitrogen Tank Pressure Remaining at end of 2023 Groundwater Monitoring Program (psi)		
	July 2023	September 2023	Tank 1	Tank 2	Tank 3
MW-16-01	1,700	2050	0	0	0
MW-IPD-01(s)	1,200	800	1,600		
MW-IPD-01(d)	3,300	2,800	500	100	1,900
MW-IPD-07	500	100	2,300		
MW-IPD-09	600	500	400		

Location		MW-IPD-01(d)	Nitrogen Tank Pressure (Start)				Tank 1 - 2400 psi / Tank 2 - 2500 psi					Date:		2023-07-22		
Screen Depth (m)		163-181	Nitrogen Tank Pressure (End)				Tank 1 - 500 psi / Tank 2 - 1100 psi					Static Water Level:		14.15		
Pump Depth (m)		175	Pressure required to collect sample				3300 psi					Field Personnel:		I. Wade		
Date	Time	Pressure set on control box (psi)	Flow setting on Controller Unit	Flow Rate (mL/min)	Volume Removed (L)	Cumulative Volume Removed (L)	Water Level (m)	pH	EC (mS/cm)	Temp. °C	Dissolved Oxygen (mg/L)	ORP (mV)	Turbidity (NTU)	TDS (g/L)	Salinity (ppt)	Comments
22-Jul-23	07:35	125	Medium	Start ECU - filling Flow Through Cell			14.15									horiba turbidity sensor does not work
22-Jul-23	07:40	125	Medium	90	0.45	0.45	14.18	8.17	0.308	20.65	1.15	-76	0.0	0.2	0.15	Clear, slight odor
22-Jul-23	07:45	125	Medium	90	0.45	0.90	14.20	8.21	0.340	20.93	1.01	-110	0.0	0.2	0.15	Clear, slight odor
22-Jul-23	08:00	125	Medium	90	0.45	1.35	14.20	8.29	0.310	21.95	0.44	-141	0.0	0.198	0.15	Clear, slight odor
22-Jul-23	08:15	125	Medium	90	1.35	2.70	14.20	8.31	0.305	22.10	0.32	-153	0.0	0.2	0.15	Clear, slight odor
22-Jul-23	08:30	125	Medium	90	1.35	4.05	14.21	8.28	0.303	22.59	0.30	-158	0.0	0.196	0.14	Clear, slight odor
22-Jul-23	08:45	125	Medium	90	1.35	5.40	14.21	8.28	0.305	22.64	0.27	-165	0.0	0.199	0.14	Clear, slight odor
22-Jul-23	09:00	125	Medium	90	1.35	6.75	14.21	8.31	0.303	22.75	0.27	-166	0.0	0.198	0.14	Clear, slight odor
22-Jul-23	09:15	125	Medium	90	1.35	8.10	14.20	8.32	0.305	22.70	0.25	-165	0.0	0.196	0.14	Clear, slight odor
22-Jul-23	09:30	125	Medium	90	1.35	9.45	14.20	8.30	0.302	22.91	0.26	-164	0.0	0.195	0.14	Clear, slight odor
22-Jul-23	09:45	125	Medium	90	1.35	10.80	14.19	8.33	0.298	22.68	0.36	-161	0.0	0.193	0.14	Clear, slight odor
22-Jul-23	10:00	125	Medium	73	1.10	11.90	14.19	8.33	0.299	23.12	0.40	-165	0.0	0.194	0.14	Clear, slight odor
22-Jul-23	10:15	125	Medium	77	1.16	13.05	14.19	8.32	0.299	23.25	0.57	-163	0.0	0.195	0.14	Clear, slight odor
22-Jul-23	10:30	125	Medium	87	1.31	14.36	14.19	8.32	0.299	23.18	1.10	-165	0.0	0.194	0.14	Clear, slight odor
22-Jul-23	11:00	125	Medium	80	2.40	16.76	14.19	8.34	0.297	23.25	1.13	-167	0.0	0.193	0.14	Clear, slight odor
22-Jul-23	11:30	125	Medium	80	2.40	19.16	14.18	8.34	0.296	23.33	1.12	-164	0.0	0.193	0.14	Clear very low flow
22-Jul-23	12:00	125	Medium	80	2.40	21.56	14.15	8.34	0.296	23.27	1.15	-161	0.0	0.192	0.14	Clear, slight odor
22-Jul-23	12:30	125	Medium	80	2.40	23.96	14.10	8.37	0.296	22.46	0.41	-141	0.0	0.195	0.14	Clear, slight odor
22-Jul-23	13:00	125	Medium	80	2.40	26.36	14.09	8.37	0.286	21.49	0.48	-124	0.0	0.194	0.13	Clear, slight odor
22-Jul-23	13:15	125	Medium	80	1.20	27.56	14.09	8.37	0.283	21.54	0.47	-124	0.0	0.174	0.13	Clear, slight odor
22-Jul-23	13:30	130	Medium	120	1.80	29.36	14.10									change nitrogen gas
22-Jul-23	13:45	130	Medium	120	1.80	31.16	14.21	8.33	0.296	23.84	0.03	-161	0.0	0.187	0.14	Clear, slight odor
22-Jul-23	14:00	120	Medium	100	1.50	32.66	14.20	8.36	0.288	23.81	0.03	-172	0.0	0.194	0.14	Clear, slight odor
22-Jul-23	14:15	120	Medium	100	1.50	34.16	14.20	8.35	0.299	24.06	0.03	-168	0.0	0.185	0.13	Clear, slight odor
22-Jul-23	14:30	120	Medium	100	1.50	35.66	14.20	8.34	0.30	24.37	0.00	-174	0.0	0.192	0.14	Clear, slight odor
22-Jul-23	14:45	120	Medium	100	1.50	37.16	14.20	8.36	0.296	24.36	0.04	-174	0.0	0.193	0.14	Clear, slight odor
22-Jul-23	15:00	120	Medium	100	1.50	38.66	14.20	8.35	0.297	24.40	0.04	-175	0.0	0.193	0.14	Clear, slight odor
22-Jul-23	15:15	120	Medium	100	1.50	40.16	14.20	8.35	0.296	24.55	0.02	-174	0.0	0.192	0.13	Clear, slight odor
22-Jul-23	15:30	120	120	100	1.50	41.66	14.20	8.35	0.297	24.44	0.02	-176	0.0	0.192	0.13	Clear, slight odor
22-Jul-23	15:30	Start Sampling - MW-IPD-01(d)a, MW-IPD-01(d)b, MW-IPD-01(d)c														
22-Jul-23	17:20	End Sampling														
Location		MW-IPD-01(s)	Nitrogen Tank Pressure (Start)				2600 psi					Date:		2023-07-21		
Screen Depth (m)		51-69	Nitrogen Tank Pressure (End)				1300 psi					Static Water Level:		14.01		
Pump Depth (m)		60	Pressure required to collect sample				1200 psi					Field Personnel:		I. Wade		
Date	Time	Pressure set on control box (psi)	Flow setting on Controller Unit	Flow Rate (mL/min)	Volume Removed (L)	Cumulative Volume Removed (L)	Water Level (m)	pH	EC (mS/cm)	Temp. °C	Dissolved Oxygen (mg/L)	ORP (mV)	Turbidity (NTU)	TDS (g/L)	Salinity (ppt)	Comments
21-Jul-23	07:40	60	Medium	Start ECU - filling Flow Through Cell			14.01	-	-	-	-	-	-	-	-	-
21-Jul-23	07:45	60	Medium	80	0.4	0.4	14.02	8.58	0.124	22.68	0.78	-58	0.0	0.081	0.06	Clear, slight odor
21-Jul-23	07:50	60	Medium	140	0.7	1.1	14.02	8.41	0.123	22.62	0.38	-54	0.0	0.080	0.06	Clear, slight odor
21-Jul-23	08:00	60	Medium	125	1.3	2.4	14.02	8.40	0.122	23.34	0.29	-65	0.0	0.079	0.06	Clear, slight odor
21-Jul-23	08:15	60	Medium	128	1.9	4.3	14.02	8.31	0.123	22.68	0.19	-61	0.0	0.079	0.06	Clear, slight odor
21-Jul-23	08:30	50	Medium	70	1.0	5.3	14.02	8.35	0.123	23.66	0.31	-43	0.0	0.080	0.06	Clear, slight odor
21-Jul-23	08:45	55	Medium	103	1.6	4.0	14.02	8.48	0.121	23.78	0.20	-79	0.0	0.079	0.06	Clear
21-Jul-23	09:00	55	Medium	103	1.6	5.6	14.02	8.39	0.122	23.71	0.22	-62	0.0	0.078	0.06	Clear
21-Jul-23	09:15	55	Medium	103	1.6	6.9	14.02	8.39	0.121	24.02	0.18	-84	0.0	0.078	0.06	Clear
21-Jul-23	09:30	55	Medium	103	1.6	8.5	14.02	8.37	0.121	24.04	0.17	-83	0.0	0.078	0.06	Clear
21-Jul-23	09:45	55	Medium	103	1.6	10.1	14.02	8.36	0.121	23.91	0.24	-81	0.0	0.079	0.06	Clear
21-Jul-23	10:00	55	Medium	103	1.6	11.7	14.02	8.49	0.121	23.99	0.10	-100	0.0	0.079	0.06	Clear
21-Jul-23	10:15	55	Medium	103	1.6	13.3	14.02	8.46	0.122	23.70	0.10	-73	0.0	0.078	0.06	Clear
21-Jul-23	10:30	55	Medium	103	1.6	14.9	14.02	8.40	0.121	23.80	0.06	-74	0.0	0.079	0.06	Clear
21-Jul-23	10:45	55	Medium	103	1.6	16.5	14.02	8.32	0.122	23.74	0.06	-70	0.0	0.078	0.06	Clear
21-Jul-23	11:00	55	Medium	103	1.6	18.1	14.02	8.34	0.121	23.54	0.05	-82	0.0	0.078	0.06	Clear
21-Jul-23	11:30	55	Medium	103	4.9	23.0	14.04	8.51	0.120	23.29	0.11	-97	0.0	0.079	0.06	Clear
21-Jul-23	12:00	60	Medium	160	4.9	27.9	14.04	8.52	0.120	23.24	0.09	-91	0.0	0.079	0.06	Clear
21-Jul-23	12:30	60	Medium	160	4.9	32.8	14.04	8.51	0.118	23.33	0.21	-96	0.0	0.078	0.05	Clear
21-Jul-23	13:00	60	Medium	160	4.9	37.7	14.04	8.52	0.120	23.34	0.21	-95	0.0	0.077	0.06	Clear
21-Jul-23	13:30	60	Medium	160	4.9	42.6	14.04	8.50	0.120	23.28	0.21	-92	0.0	0.077	0.06	Clear
21-Jul-23	14:00	60	Medium	160	4.9	47.5	14.04	8.50	0.120	23.28	0.20	-96	0.0	0.077	0.06	Clear
21-Jul-23	14:00	Start Sampling - MW-IPD-01(s)a, MW-IPD-01(s)b, MW-IPD-01(s)c														
21-Jul-23	15:45	End Sampling														

APPENDIX A-I
Monitoring Well Development Logs - July 2023
Agrico Eagle Mines Limited
Meadowbank Mine, Nunavut

CA0007108.1008-MBK2024_001-R-Rev0

Location		MW-IPD-07	Nitrogen Tank Pressure (Start)		1600 psi								Date:	2023-07-20		
Screen Depth (m)		42-50	Nitrogen Tank Pressure (End)		1100 psi								Static Water Level:		1.87 m	
Pump Depth (m)		40	Pressure required to collect sample		500 psi								Field Personnel:		I. Wade	
Date	Time	Pressure set on control box (psi)	Flow setting on Controller Unit	Flow Rate (mL/min)	Volume Removed (L)	Cumulative Volume Removed (L)	Water Level (m)	pH	EC (mS/cm)	Temp. °C	Dissolved Oxygen (mg/L)	ORP (mV)	Turbidity (NTU)	TDS (g/L)	Salinity (ppt)	Comments
20-Jul-23	08:45	50	Low	Filling flow through cell			1.87									Figuring out ECU details.
20-Jul-23	08:50	50	Low	150	0.7	0.70	2.17	8.16	0.232	20.54	0.54	-146	0.0	0.158	0.11	Slight odor, Clear
20-Jul-23	08:55	50	Low	150	0.7	1.40	2.26	8.18	0.236	20.59	0.66	-156	0.0	0.153	0.11	Slight odor, Clear
20-Jul-23	09:05															fixing solinst
20-Jul-23	09:10	50	Low	150	0.7	2.10	2.22	8.38	0.237	20.66	0.54	-140	0.0	0.151	0.11	Slight odor, Clear
20-Jul-23	09:15	50	Low	150	0.7	2.8	2.25	8.45	0.240	20.84	0.37	-148	0.0	0.156	0.11	Slight odor, Clear
20-Jul-23	09:30	50	Low	150	0.7	3.5	2.42	8.62	0.240	20.95	0.06	-180	0.0	0.155	0.11	Slight odor, Clear
20-Jul-23	09:45	40	Low	127	1.9	5.4	2.48	8.69	0.240	21.08	0.00	-193	0.0	0.155	0.11	Slight odor, Clear
20-Jul-23	10:00	40	Low	127	1.9	7.3	2.48	8.71	0.240	21.06	0.00	-194	0.0	0.156	0.11	Slight odor, Clear
20-Jul-23	10:15	40	Low	127	1.9	9.2	2.46	8.72	0.240	21.13	0.00	-201	0.0	0.156	0.11	Slight odor, Clear
20-Jul-23	10:30	40	Low	127	1.9	11.1	3.58	8.73	0.239	21.1	0.00	-203	0.0	0.156	0.11	Slight odor, Clear
20-Jul-23	10:45	40	Low	127	1.9	13	3.54	8.75	0.240	21.11	0.00	-205	0.0	0.156	0.11	Slight odor, Clear
20-Jul-23	11:00	40	Low	127	1.9	14.9	2.55	8.75	0.239	21.17	0.00	-205	0.0	0.155	0.11	Slight odor, Clear
20-Jul-23	11:15	40	Low	127	1.9	16.8	2.56	8.77	0.239	21.1	0.00	-205	0.0	0.155	0.11	Slight odor, Clear
20-Jul-23	11:30	40	Low	127	1.9	18.7	2.59	8.75	0.238	21.12	0.00	-208	0.0	0.155	0.11	Slight odor, Clear
20-Jul-23	11:45	40	Low	127	1.9	20.6	2.67	8.76	0.237	21.11	0.00	-213	0.0	0.155	0.11	Slight odor, Clear
20-Jul-23	12:00	40	Low	127	1.9	22.5	2.62	8.79	0.235	21.07	0.03	-216	0.0	0.153	0.11	Slight odor, Clear
20-Jul-23	12:30	40	Low	127	3.8	26.3	2.72	8.87	0.229	21.11	0.17	-217	0.0	0.149	0.11	Slight odor, Clear
20-Jul-23	13:00	40	Low	127	3.8	30.1	2.66	8.88	0.229	21.07	0.14	-219	0.0	0.149	0.11	Slight odor, Clear
20-Jul-23	13:30	40	Low	127	3.8	30.1	2.65	8.87	0.228	21.14	0.15	-220	0.0	0.148	0.11	Slight odor, Clear
20-Jul-23	13:30	40	Low	127	3.8	33.9	2.73	8.90	0.227	21.17	0.17	-218	0.0	0.149	0.11	Slight odor, Clear
20-Jul-23	14:00	Start Sampling - MW-IPD-07a, MW-IPD-07b, MW-IPD-07c														
20-Jul-23	15:30	End Sampling														

Location		MW-IPD-09	Nitrogen Tank Pressure (Start)				2500 psi							Date:	2023-07-19	
Screen Depth (m)		62-80	Nitrogen Tank Pressure (End)				1900 psi							Static Water Level:	1.85 m	
Pump Depth (m)		70	Pressure required to collect sample				600 psi							Field Personnel:	I. Wade	
Date	Time	Pressure set on control box (psi)	Flow setting on Controller Unit	Flow Rate (mL/min)	Volume Removed (L)	Cumulative Volume Removed (L)	Water Level (m)	pH	EC (mS/cm)	Temp. °C	Dissolved Oxygen (mg/L)	ORP (mV)	Turbidity (NTU)	TDS (g/L)	Salinity (ppt)	Comments
19-Jul-23	10:15	35	High	Start filling flow through cell			1.85									
19-Jul-23	10:20	35	High	90	0.45	0.45	2.00									Slight odor, Clear
19-Jul-23	10:25	35	High	90	0.45	0.9	2.04	7.25	0.196	18.94	0.91	-127	1.30	0.127	0.0	Slight odor, Clear
19-Jul-23	10:30	35	High	90	0.47	1.37	2.30	7.49	0.194	19.34	0.18	-44	0.0	0.127	0.0	Clear
19-Jul-23	10:45	35	High	90	1.3	2.67	2.32	7.64	0.195	19.39	0.34	-171	0.0	0.127	0.0	Clear
19-Jul-23	11:00	35	High	87	1.3	3.97	2.35	7.83	0.194	19.61	0.03	-179	0.0	0.126	0.0	Clear
19-Jul-23	11:15	35	High	87	1.4	5.37	2.37	7.92	0.194	19.65	0.11	-184	0.0	0.126	0.0	Clear
19-Jul-23	11:30	40	High	93	1.4	6.77	2.42	7.96	0.194	19.65	0.00	-188	0.0	0.126	0.0	Clear
19-Jul-23	11:45	40	High	103	1.6	8.37	2.44	8.05	0.194	19.72	0.00	-189	0.0	0.126	0.0	Clear
19-Jul-23	12:00	40	High	103	1.6	9.97	2.45	8.07	0.195	19.79	0.00	-190	0.0	0.127	0.0	Clear
19-Jul-23	12:15	40	High	103	1.6	11.57	2.46	8.11	0.195	19.58	0.00	-193	0.0	0.127	0.0	Clear
19-Jul-23	12:30	40	High	103	1.6	13.17	2.47	8.13	0.195	19.86	0.00	-194	0.0	0.126	0.09	Clear
19-Jul-23	12:45	40	High	103	1.6	14.77	2.48	8.17	0.194	19.87	0.00	-193	0.0	0.127	0.09	Clear
19-Jul-23	13:00	40	High	103	1.6	16.37	2.48	8.15	0.194	19.94	0.00	-194	0.0	0.126	0.09	Clear
19-Jul-23	13:30	40	High	103	3.2	19.57	2.48	8.19	0.194	20.11	0.00	-194	0.0	0.126	0.09	Clear
19-Jul-23	13:45	Start sampling at 13:45; MW-IPD-09a, MW-IPD-09b, MW-IPD-09c														
19-Jul-23	15:15	End Sampling at 15:15														
Location		MW-16-01	Nitrogen Tank Pressure (Start)				Tank 1 - 2500 psi							Date:	2023-07-23	
Screen Depth (mah)		89-101	Nitrogen Tank Pressure (End)				Tank 1 - 800 psi							Static Water Level:	5.66 m	
Pump Depth (mah)		~90	Pressure required to collect sample				1700 psi							Field Personnel:	I. Wade	
Date	Time	Pressure set on control box (psi)	Flow setting on Controller Unit	Flow Rate (mL/min)	Volume Removed (L)	Cumulative Volume Removed (L)	Water Level (m)	pH	EC (mS/cm)	Temp. °C	Dissolved Oxygen (mg/L)	ORP (mV)	Turbidity (NTU)	TDS (g/L)	Salinity (ppt)	Comments
23-Jul-23	08:30	60	High	Start Filling Flow Through Cell			5.66									Clear with yellow/orange tint
23-Jul-23	08:35	60	High	120	0.6	0.6	5.66	7.82	3.06	15.67	0.26	-172	0.0	1.96	1.59	Clear with yellow/orange tint
23-Jul-23	08:45	60	High	120	1.2	1.8	5.66	7.69	2.94	14.95	0.00	-175	0.0	1.88	1.52	Clear with yellow/orange tint
23-Jul-23	09:00	60	High	106	1.6	3.4	5.67	7.65	2.91	14.64	0.03	-177	0.0	1.86	1.5	Clear with yellow/orange tint
23-Jul-23	09:15	60	High	116	1.8	5.2	5.66	7.64	2.9	14.49	0.00	-181	0.0	1.85	1.5	Clear with yellow/orange tint
23-Jul-23	09:30	58	High	113	1.7	6.9	5.66	7.64	2.9	14.53	0.00	-183	0.0	1.86	1.5	Clear with yellow/orange tint
23-Jul-23	09:45	58	High	180	1.7	8.6	5.66	7.64	2.89	14.54	0.00	-183	0.0	1.85	1.49	Clear with yellow/orange tint
23-Jul-23	10:00	58	High	180	1.7	10.3	5.66	7.64	2.88	14.62	0.00	-184	0.0	1.85	1.49	Clear with yellow/orange tint
23-Jul-23	10:15	58	High	170	1.7	12	5.66	7.63	2.87	14.81	0.00	-184	0.0	1.84	1.49	Clear with yellow/orange tint
23-Jul-23	10:30	58	High	170	1.7	13.7	5.66	7.63	2.86	14.88	0.00	-183	0.0	1.83	1.48	Clear with yellow/orange tint
23-Jul-23	10:45	58	High	170	1.7	15.4	5.66	7.62	2.86	14.89	0.00	-182	0.0	1.83	1.48	Clear with yellow/orange tint
23-Jul-23	11:00	58	High	170	1.7	17.1	5.66	7.62	2.83	14.99	0.00	-183	0.0	1.81	1.46	Clear with yellow/orange tint
23-Jul-23	11:15	58	High	170	1.7	18.8	5.66	7.61	2.83	15.15	0.00	-183	2.2	1.81	1.46	Clear with yellow/orange tint
23-Jul-23	11:30	58	High	170	1.7	20.5	5.66	7.60	2.82	15.22	0.00	-183	2.9	1.81	1.46	Clear with yellow/orange tint
23-Jul-23	11:45	58	High	170	1.7	22.2	5.66	7.60	2.81	15.28	0.00	-183	4.1	1.8	1.45	Clear with yellow/orange tint
23-Jul-23	12:00	58	High	150	1.7	23.9	5.66	7.58	2.79	15.73	0.00	-182	10.1	1.81	1.46	Clear with yellow/orange tint
23-Jul-23	12:15	58	High	150	1.7	17.1	5.66	7.57	2.82	15.85	0.00	-181	5.5	1.8	1.45	Clear with yellow/orange tint
23-Jul-23	12:30	58	High	150	1.7	18.8	5.66	7.56	2.81	16.1	0.00	-182	7.7	1.79	1.44	Clear with yellow/orange tint
23-Jul-23	13:30	58	High	90	3.4	22.2	5.66	7.57	2.85	13.89	0.00	-180	0.0	1.74	1.4	Clear with yellow/orange tint
23-Jul-23	14:00	58	High	90	3.4	25.6	5.66	7.57	2.84	14.09	0.00	-176	0.0	1.73	1.39	Clear with yellow/orange tint
23-Jul-23	14:15	58	High	90	1.7	27.3	5.66	7.58	2.84	14.3	0.00	-177	0.0	1.72	1.38	Clear with yellow/orange tint
23-Jul-23	14:30	58	High	150	1.7	25.6	5.66	7.53	2.83	14.59	0.00	-177	0.0	1.77	1.42	Clear with yellow/orange tint
23-Jul-23	14:45	58	High	150	1.7	27.3	5.66	7.53	2.81	14.59	0.00	-177	0.0	1.79	1.44	Clear with yellow/orange tint
23-Jul-23	15:00	58	High	90	1.7	29.0	5.66	7.54	2.81	14.59	0.00	-173	0.0	1.8	1.45	Clear with yellow/orange tint
23-Jul-23	15:00	Start sampling at 15:00; MW-16-01a, MW-16-01b, MW-16-01c														
23-Jul-23	16:40	End sampling														

Notes:

Water level measurements reference meters below the top of the well casing
m = metres
mL/min = millimeter per minute
L = Litre
mS/cm = millisiemens per centimetre
psi = pounds per square inch
mg/L = milligram per litre
mV = millivolt
NTU = nephelometric turbidity units
ORP = oxygen reduction potential
ppm = parts per million

APPENDIX A-II
Monitoring Well Development Logs - September 2023
Agnico Eagle Mines Limited
Meadowbank Mine, Nunavut

CA0007108.1008-MBK2024_001-R-Rev0

Location		MW-IPD-01(d)	Nitrogen Tank Pressure (Start)				Tank 1 - 1600 psi / Tank 2 - 1200 psi / Tank 2 - 2500 psi					Date:		2023-09-10			
Screen Depth (m)		163-181	Nitrogen Tank Pressure (End)				Tank 1 - 500 psi / Tank 2 - 100 psi / Tank 2 - 1900 psi					Static Water Level:		13.63			
Pump Depth (m)		175	Pressure required to collect sample				2800 psi					Field Personnel:		I. Wade			
Date	Time	Pressure set on control box (psi)	Flow setting on Controller Unit	Flow Rate (mL/min)	Volume Removed (L)	Cumulative Volume Removed (L)	Water Level (m)	pH	EC (mS/cm)	Temp. °C	Dissolved Oxygen (mg/L)	ORP (mV)	Turbidity (NTU)	TDS (g/L)	Salinity (ppt)	Comments	
10-Sep-23	08:50	130	Medium	Start ECU - filling Flow Through Cell			13.63									Clear, slight odor	
10-Sep-23	09:00	130	Medium	110	1.10	1.10	13.81	7.96	0.371	22.85	0.85	-147.2	2.74	0.185	0.18	Clear, slight odor	
10-Sep-23	09:15	130	Medium	110	1.65	2.75	13.83	8.10	0.370	23.28	0.50	-196.2	1.50	0.185	0.18	Clear, slight odor	
10-Sep-23	09:30	130	Medium	110	1.65	4.40	13.84	8.13	0.371	23.22	0.42	-211.7	0.46	0.186	0.18	Clear, slight odor	
10-Sep-23	09:45	130	Medium	110	1.65	6.05	13.83	8.15	0.375	23.25	0.38	-217.7	1.19	0.186	0.18	Clear, slight odor	
10-Sep-23	10:00	130	Medium	110	1.65	7.70	13.83	8.15	0.374	23.14	0.35	-220.7	1.92	0.187	0.18	Clear, slight odor	
10-Sep-23	10:15	130	Medium	110	1.65	9.35	13.83	8.15	0.374	22.97	0.29	-221.5	0.27	0.187	0.18	Clear, slight odor	
10-Sep-23	10:30	130	Medium	110	1.65	11.00	13.83	8.14	0.374	22.96	0.27	-220.7	0.32	0.188	0.18	Clear, slight odor	
10-Sep-23	10:45	130	Medium	110	1.65	12.65	13.83	8.15	0.375	23.08	0.24	-220.8	0.67	0.188	0.18	Clear, slight odor	
10-Sep-23	11:00	130	Medium	110	1.65	14.30	13.83	8.14	0.378	22.93	0.24	-219.5	0.94	0.189	0.18	Clear, slight odor	
10-Sep-23	11:15	130	Medium	110	1.65	15.95	13.83	8.14	0.376	23.01	0.24	-221.0	0.64	0.188	0.18	Clear, slight odor	
10-Sep-23	11:30	130	Medium	110	1.65	17.60	13.83	8.14	0.375	23.18	0.22	-222.1	1.56	0.188	0.18	Clear, slight odor	
10-Sep-23	11:45	130	Medium	110	1.65	19.25	13.83	8.12	0.377	23.20	0.21	-219.9	0.95	0.188	0.18	Clear, slight odor	
10-Sep-23	12:00	130	Medium	110	1.65	20.90	13.83	8.12	0.376	22.92	0.29	-219.9	1.06	0.188	0.18	Clear, slight odor	
10-Sep-23	13:00	130	Medium	110	6.60	27.50	13.83	8.12	0.374	23.40	0.19	-222.2	1.00	0.188	0.18	Clear, slight odor	
10-Sep-23	13:15	130	Medium	110	1.65	29.15	13.83	8.11	0.376	23.46	0.18	-222.5	0.99	0.189	0.18	Clear, slight odor	
10-Sep-23	13:30	130	Medium	110	1.65	30.80	13.83	8.11	0.379	23.41	0.18	-222.5	0.56	0.189	0.18	Clear, slight odor	
10-Sep-23	13:45	130	Medium	110	1.65	32.45	13.83	8.11	0.379	23.61	0.18	-222.5	0.72	0.189	0.18	change nitrogen gas	
10-Sep-23	13:55	Start Sampling - MW-IPD-01(d)a, MW-IPD-01(d)b, MW-IPD-01(d)c															
10-Sep-23	15:10	End Sampling															
Location		MW-IPD-01(s)	Nitrogen Tank Pressure (Start)				2400 psi					Date:		2023-09-09			
Screen Depth (m)		51-69	Nitrogen Tank Pressure (End)				1600 psi					Static Water Level:		14.01			
Pump Depth (m)		60	Pressure required to collect sample				800 psi					Field Personnel:		I. Wade			
Date	Time	Pressure set on control box (psi)	Flow setting on Controller Unit	Flow Rate (mL/min)	Volume Removed (L)	Cumulative Volume Removed (L)	Water Level (m)	pH	EC (mS/cm)	Temp. °C	Dissolved Oxygen (mg/L)	ORP (mV)	Turbidity (NTU)	TDS (g/L)	Salinity (ppt)	Comments	
9-Sep-23	08:05	50	Medium	Start ECU - filling Flow Through Cell			13.55	-	-	-	-	-	-	-	-	-	
9-Sep-23	08:10	50	Medium	70	0.35	0.35	13.56	7.77	0.139	23.97	1.49	-86.5	0.77	0.07	0.06	Clear, slight odor	
9-Sep-23	08:15	60	Medium	160	0.80	1.15	13.57	8.27	0.132	24.98	0.67	-184.9	0.68	0.066	0.06	Clear, slight odor	
9-Sep-23	08:30	60	Medium	160	2.40	3.55	13.59	8.38	0.125	23.69	0.41	-199.3	0.36	0.065	0.06	Clear, slight odor	
9-Sep-23	08:45	60	Medium	160	2.40	5.95	13.59	8.39	0.129	23.43	0.40	-197.8	0.35	0.065	0.06	Clear, slight odor	
9-Sep-23	09:00	60	Medium	160	2.40	8.35	13.59	8.40	0.128	23.32	0.40	-198.8	0.31	0.064	0.06	Clear, slight odor	
9-Sep-23	09:15	60	Medium	160	2.40	10.75	13.59	8.41	0.127	23.21	0.36	-202.6	0.26	0.063	0.06	Clear	
9-Sep-23	09:30	60	Medium	160	2.40	13.15	13.59	8.42	0.126	23.19	0.43	-205.7	0.34	0.062	0.06	Clear	
9-Sep-23	09:45	60	Medium	160	2.40	15.55	13.59	8.43	0.125	23.11	0.29	-209.2	0.27	0.063	0.06	Clear	
9-Sep-23	10:00	60	Medium	160	2.40	17.95	13.59	8.41	0.128	23.06	0.32	-198.7	0.30	0.064	0.06	Clear	
9-Sep-23	10:15	60	Medium	160	2.40	20.35	13.59	8.41	0.128	23.09	0.23	-213.2	0.18	0.064	0.06	Clear	
9-Sep-23	10:30	60	Medium	160	2.40	22.75	13.59	8.42	0.129	23.18	0.20	-214.7	0.25	0.064	0.06	Clear	
9-Sep-23	10:45	60	Medium	160	2.40	25.15	13.59	8.42	0.127	22.99	0.20	-215.6	0.27	0.064	0.06	Clear	
9-Sep-23	11:00	60	Medium	160	2.40	27.55	13.59	8.43	0.127	22.94	0.18	-215.8	0.18	0.064	0.06	Clear	
9-Sep-23	11:15	60	Medium	160	2.40	29.95	13.59	8.43	0.128	22.9	0.18	-217.3	0.18	0.064	0.06	Clear	
9-Sep-23	11:30	60	Medium	160	2.40	32.35	13.59	8.43	0.128	22.93	0.17	-218.1	0.19	0.064	0.06	Clear	
9-Sep-23	11:45	60	Medium	160	2.40	34.75	13.59	8.42	0.128	22.85	0.18	-216.4	0.23	0.064	0.06	Clear	
9-Sep-23	12:45	60	Medium	160	9.60	44.35	13.59	8.43	0.128	22.90	0.15	-218.0	0.23	0.064	0.06	Clear	
9-Sep-23	13:00	60	Medium	160	2.40	46.75	13.59	8.41	0.127	22.93	0.15	-217.5	0.24	0.064	0.06	Clear	
9-Sep-23	13:15	60	Medium	160	2.40	49.15	13.59	8.41	0.126	22.91	0.16	-217.5	0.25	0.064	0.06	Clear	
9-Sep-23	13:30	60	Medium	160	2.40	51.55	13.59	8.41	0.128	22.88	0.17	-214.2	0.31	0.064	0.06	Clear	
9-Sep-23	13:40	Start Sampling - MW-IPD-01(s)a, MW-IPD-01(s)b, MW-IPD-01(s)c, FB-23-09, TB-23-09															
9-Sep-23	15:00	End Sampling															

APPENDIX A-II
Monitoring Well Development Logs - September 2023
Agnico Eagle Mines Limited
Meadowbank Mine, Nunavut

CA0007108.1008-MBK2024_001-R-Rev0

Location		MW-IPD-07	Nitrogen Tank Pressure (Start)		2400 psi							Date:	2023-09-07			
Screen Depth (m)		42-50	Nitrogen Tank Pressure (End)		2300 psi							Static Water Level:		2.18 m		
Pump Depth (m)		40	Pressure required to collect sample		100 psi							Field Personnel:		I. Wade		
Date	Time	Pressure set on control box (psi)	Flow setting on Controller Unit	Flow Rate (mL/min)	Volume Removed (L)	Cumulative Volume Removed (L)	Water Level (m)	pH	EC (mS/cm)	Temp. °C	Dissolved Oxygen (mg/L)	ORP (mV)	Turbidity (NTU)	TDS (g/L)	Salinity (PSU)	Comments
7-Sep-23	08:25	40	Low	Filling flow through cell			2.18									Figuring out ECU details.
7-Sep-23	08:35	50	Low	83	0.83	0.83	2.27	8.26	0.269	21.23	0.26	-205.8	1.71	0.133	0.0	Slight odor, Clear
7-Sep-23	08:45	40	Low	160	1.60	2.43	2.27	8.59	0.267	21.10	0.32	-184.7	1.71	0.133	0.0	Slight odor, Clear
7-Sep-23	09:00	40	Low	150	1.50	3.93	2.41	8.67	0.261	20.96	0.21	-198.3	1.71	0.131	0.0	fixing solinst
7-Sep-23	09:15	40	Low	150	2.25	6.18	2.50	8.68	0.263	21.04	0.36	-209.3	0.45	0.131	0.0	Slight odor, Clear
7-Sep-23	09:30	40	Low	150	2.25	8.43	2.56	8.70	0.261	20.64	0.20	-221.3	0.66	0.131	0.0	Slight odor, Clear
7-Sep-23	09:45	40	Low	150	2.25	10.68	2.72	8.70	0.261	20.82	0.15	-233.3	0.47	0.131	0.0	Slight odor, Clear
7-Sep-23	10:00	40	Low	150	2.25	12.93	2.78	8.69	0.263	20.76	0.15	-233.2	0.79	0.131	0.0	Slight odor, Clear
7-Sep-23	10:15	40	Low	150	2.25	15.18	2.81	8.70	0.262	20.82	0.13	-236.6	0.46	0.131	0.0	Slight odor, Clear
7-Sep-23	10:30	40	Low	150	2.25	17.43	2.84	8.70	0.259	20.88	0.12	-235.2	0.55	0.131	0.0	Slight odor, Clear
7-Sep-23	10:45	40	Low	150	2.25	19.68	2.86	8.70	0.261	20.71	0.10	-238.4	0.42	0.130	0.0	Slight odor, Clear
7-Sep-23	11:00	40	Low	150	2.25	21.93	2.90	8.70	0.258	20.70	0.10	-241.9	0.42	0.128	0.0	Slight odor, Clear
7-Sep-23	11:15	40	Low	150	2.25	24.18	2.84	8.75	0.252	20.85	0.11	-251.9	0.67	0.126	0.0	Slight odor, Clear
7-Sep-23	11:30	40	Low	150	2.25	26.43	2.86	8.76	0.252	20.73	0.11	-253.2	0.70	0.123	0.0	Slight odor, Clear
7-Sep-23	11:45	40	Low	150	2.25	28.68	2.86	8.78	0.252	21.02	0.11	-251.3	0.72	0.127	0.0	Slight odor, Clear
7-Sep-23	12:00	40	Low	150	2.25	30.93	2.90	8.78	0.254	20.94	0.10	-255.1	0.67	0.127	0.0	Slight odor, Clear
7-Sep-23	12:10	Start Sampling 12:10 MW-IPD-07a, MW-IPD-07b, MW-IPD-07c														
7-Sep-23	13:35	End Sampling														

Location		MW-IPD-09	Nitrogen Tank Pressure (Start)				900 psi							Date:	2023-08-09	
Screen Depth (m)		62-80	Nitrogen Tank Pressure (End)				400 psi							Static Water Level:	1.98	
Pump Depth (m)		70	Pressure required to collect sample				500 psi							Field Personnel:	I. Wade	
Date	Time	Pressure set on control box (psi)	Flow setting on Controller Unit	Flow Rate (mL/min)	Volume Removed (L)	Cumulative Volume Removed (L)	Water Level (m)	pH	EC (mS/cm)	Temp. °C	Dissolved Oxygen (mg/L)	ORP (mV)	Turbidity (NTU)	TDS (g/L)	Salinity (PSU)	Comments
8-Sep-23	07:20	40	High	Start filling flow through cell			1.98									
8-Sep-23	07:30	40	High	120	1.2	1.2	2.47	8.29	0.220	19.70	0.31	-220.7	0.49	0.110	0.0	Slight odor, Clear
8-Sep-23	07:45	40	High	120	1.8	3.0	2.53	8.25	0.220	19.84	0.23	-230.5	0.48	0.110	0.0	Slight odor, Clear
8-Sep-23	08:00	40	High	120	1.8	4.8	2.58	8.37	0.219	19.70	0.18	-234.2	0.51	0.109	0.0	Clear
8-Sep-23	08:15	40	High	120	1.8	6.6	2.64	8.37	0.217	19.72	0.15	-239.5	0.49	0.109	0.0	Clear
8-Sep-23	08:30	40	High	120	1.8	8.4	2.68	8.37	0.216	19.79	0.13	-239.6	0.55	0.109	0.0	Clear
8-Sep-23	08:45	40	High	120	1.8	10.2	2.69	8.38	0.218	19.76	0.12	-240.7	0.50	0.109	0.0	Clear
8-Sep-23	09:00	40	High	120	1.8	12	2.70	8.37	0.218	19.76	0.12	-241.2	0.61	0.109	0.0	Clear
8-Sep-23	09:15	40	High	120	1.8	13.8	2.72	8.38	0.217	19.71	0.11	-242.1	0.48	0.109	0.0	Clear
8-Sep-23	09:30	40	High	120	1.8	15.6	2.72	8.39	0.216	19.79	0.10	-243.3	0.56	0.109	0.0	Clear
8-Sep-23	09:45	40	High	120	1.8	17.4	2.74	8.39	0.216	19.78	0.10	-243.4	0.63	0.108	0.0	Clear
8-Sep-23	10:00	40	High	120	1.8	19.2	2.75	8.39	0.215	19.77	0.10	-244.4	0.75	0.108	0.0	Clear
8-Sep-23	10:15	40	High	120	1.8	21	2.75	8.36	0.217	19.85	0.09	-242.5	0.53	0.108	0.0	Clear
8-Sep-23	10:30	40	High	120	1.8	22.8	2.75	8.38	0.217	19.82	0.08	-243.2	0.69	0.108	0.0	Clear
8-Sep-23	10:45	40	High	120	1.8	24.6	2.75	8.38	0.216	19.70	0.08	-243.3	0.56	0.108	0.0	Clear
8-Sep-23	10:50	Start sampling at 10:50; MW-IPD-09a, MW-IPD-09b, MW-IPD-09c														
8-Sep-23	12:10	End Sampling at 12:10														
Location		MW-16-01	Nitrogen Tank Pressure (Start)				Tank 1 - 600 psi - Tank 2 - 850 psi - Tank 3 - 600 psi							Date:	2023-09-11	
Screen Depth (mah)		89-101	Nitrogen Tank Pressure (End)				Tank 1 - 0 psi - Tank 2 - 0 psi - Tank 3 - 0 psi							Static Water Level:	5.44 m	
Pump Depth (mah)		~90	Pressure required to collect sample				2050 psi							Field Personnel:	I. Wade	
Date	Time	Pressure set on control box (psi)	Flow setting on Controller Unit	Flow Rate (mL/min)	Volume Removed (L)	Cumulative Volume Removed (L)	Water Level (m)	pH	EC (mS/cm)	Temp. °C	Dissolved Oxygen (mg/L)	ORP (mV)	Turbidity (NTU)	TDS (g/L)	Salinity (PSU)	Comments
11-Sep-23	09:10	100	High	Start Filling Flow Through Cell			5.44									
11-Sep-23	09:15	100	High	225	1.13	1.1	5.44	7.66	3.11	12.5	1.61	-183.2	0.98	1.545	1.61	Clear with yellow/orange tint
11-Sep-23	09:20	85	High	190	0.95	2.1	5.44	7.61	3.15	12.47	1.45	-177.3	0.53	1.579	1.66	Clear with yellow/orange tint
11-Sep-23	09:30	85	High	190	1.90	4.0	5.44	7.64	3.15	12.58	1.49	-174.7	0.87	1.571	1.65	Clear with yellow/orange tint
11-Sep-23	09:45	80	High	160	2.40	6.4	5.44	7.61	3.17	12.62	1.21	-173.2	0.51	1.582	1.67	Clear with yellow/orange tint
11-Sep-23	10:00	80	High	160	2.40	8.8	5.44	7.65	3.17	12.55	0.93	-173.6	1.27	1.587	1.67	Clear with yellow/orange tint
11-Sep-23	10:15	80	High	160	2.40	11.2	5.44	7.64	3.19	12.55	0.96	-172	0.83	1.593	1.68	Clear with yellow/orange tint
11-Sep-23	10:30	80	High	160	2.40	13.6	5.44	7.64	3.21	12.57	1.12	-170.8	0.44	1.594	1.68	Clear with yellow/orange tint
11-Sep-23	10:45	80	High	160	2.40	16.0	5.44	7.63	3.19	12.61	1.05	-170.3	0.54	1.597	1.68	Clear with yellow/orange tint
11-Sep-23	11:00	80	High	160	2.40	18.4	5.44	7.63	3.19	12.6	1.14	-169.7	0.70	1.603	1.69	Clear with yellow/orange tint
11-Sep-23	11:15	80	High	160	2.40	20.8	5.44	7.63	3.19	12.49	0.84	-172.3	0.88	1.595	1.68	Clear with yellow/orange tint
11-Sep-23	11:30	80	High	160	2.40	23.2	5.44	7.63	3.19	12.48	0.83	-172.7	0.65	1.593	1.68	Clear with yellow/orange tint
11-Sep-23	11:45	80	High	160	2.40	25.6	5.44	7.62	3.18	12.6	0.68	-171.8	0.41	1.592	1.68	Clear with yellow/orange tint
11-Sep-23	12:45	80	High	160	9.60	35.2	5.44	7.61	3.21	12.61	1.30	-168.3	0.45	1.605	1.69	Clear with yellow/orange tint
11-Sep-23	13:00	80	High	160	2.40	37.6	5.44	7.60	3.2	12.61	1.26	-166.7	0.55	1.606	1.69	Clear with yellow/orange tint
11-Sep-23	13:15	80	High	160	2.40	40.0	5.44	7.60	3.2	12.61	1.25	-168.3	0.47	1.601	1.69	Clear with yellow/orange tint
11-Sep-23	13:30	80	High	160	2.40	42.4	5.44	7.60	3.21	12.61	1.19	-171.6	0.46	1.604	1.69	Clear with yellow/orange tint
11-Sep-23	13:40	Start sampling at 13:40; MW-16-01a, MW-16-01b, MW-16-01c														
11-Sep-23	14:50	End sampling														

Notes:

Water level measurements reference meters below the top of the well casing
 m = metres
 mL/min = millimeter per minute
 L = Litre
 mS/cm = millisiemens per centimetre
 psi = pounds per square inch
 g/L = gram per litre
 mV = millivolt
 NTU = nephelometric turbidity units
 ORP = oxygen reduction potential
 ppm = parts per million

APPENDIX A-III
 Analytical Requirements
 Agrico Eagle Mines Limited
 Meadowbank Mine, Nunavut

Analytical Parameters	Preparation and Preservation Protocols
ammonia nitrogen, ammonium	glass vial, unfiltered and preserved to pH<2 with sulphuric acid
total, free, WAD cyanide	plastic bottle, preserved with sodium hydroxide
pH, electrical conductivity, total and speciated alkalinity (carbonate, bicarbonate), anions (bromide, chloride, fluoride, and sulphate), DOC, nitrate, nitrite, orthophosphate, reactive silica, TDS, TSS, and turbidity	plastic bottle, unfiltered and unpreserved
un-ionized ammonia, TKN, TOC, total phosphorous	plastic bottle, unfiltered and preserved to pH<2 with sulphuric acid
Metals (total and dissolved): aluminum, antimony, arsenic, barium, beryllium, bismuth, boron, cadmium, calcium, chromium, copper, iron, lead, lithium, magnesium, manganese, molybdenum, nickel, potassium, selenium, silver, sodium, strontium, thallium, tin, titanium, uranium, vanadium, and zinc	plastic bottle, unfiltered ^(a) for total and filtered ^(b) for dissolved and preserved to pH<2 with nitric acid
mercury	glass bottle, unfiltered ^(a) for total and filtered ^(b) for dissolved and preserved to pH<2 with hydrochloric acid

Notes:

a) Total constituent, unfiltered

b) Dissolved constituents, field filtered to 0.45 microns

- Hardness calculated from sum of calcium and magnesium

- Silver was added at the request of Agrico Eagle Mines.

APPENDIX B

**2023 Groundwater Quality Results and
Quality Assurance/Quality Control Analysis**

APPENDIX B
Table B-1: 2023 Groundwater Monitoring Program Water Quality Results
Agnico Eagle Mines Limited, Meadowbank Mine, Nunavut

Water Quality Criteria / Mine Area		GUIDELINES				DISCHARGE CRITERIA																					
Monitoring Location		THIRD PORTAGE LAKE				South/Central Dike				East Flat				Goose Pit				Portage Pit-E									
Sample ID	THIRD PORTAGE LAKE	CCME Guidelines	MMER Max. Monthly Mean	Water License, Max. Avg. Conc. Discharge to Third Portage Lake	Water License, Max. Avg. Conc. Discharge to Wally Lake	MW-16-01				MW-IPD-01(D)				MW-IPD-01(S)				MW-IPD-07									
Sample Type	Average - East Basin Summer 2015	Long Term Based on 3PL quality	Schedule 4	Part F of License	Part F of License	MW-16-01A	MW-16-01B	MW-16-01a	MW-16-01b	MW-IPD-01(D)A	MW-IPD-01(D)B	MW-IPD-01(d)a	MW-IPD-01(d)b	MW-IPD-01(S)A	MW-IPD-01(S)B	MW-IPD-01(s)a	MW-IPD-01(s)b	MW-IPD-07A	MW-IPD-07B	MW-IPD-07A	MW-IPD-07B	MW-IPD-09A	MW-IPD-09B	MW-IPD-09A	MW-IPD-09B		
Date						23-Jul-2023	23-Jul-2023	11-Sep-2023	11-Sep-2023	22-Jul-2023	22-Jul-2023	10-Sep-2023	10-Sep-2023	21-Jul-2023	21-Jul-2023	09-Sep-2023	09-Sep-2023	20-Jul-2023	20-Jul-2023	07-Sep-2023	07-Sep-2023	19-Jul-2023	19-Jul-2023	08-Sep-2023	08-Sep-2023		
Field Parameters																											
Temperature	°C	--	--	--	--	16.8	--	12.81	--	24.44	--	23.61	--	23.28	--	22.88	--	21.07	--	20.94	--	20.11	--	19.7	--	19.7	
pH	--	--	--	--	--	7.56	--	7.8	--	8.35	--	8.11	--	8.5	--	8.42	--	8.79	--	8.78	--	8.19	--	8.38	--	8.38	
Conductivity	µS/cm	--	--	--	--	2790	--	3208	--	297	--	379	--	120	--	128	--	235	--	254	--	194	--	216	--	216	
Oxidation-Reduction Potential	millivolts	--	--	--	--	-182	--	-171.6	--	-176	--	-222.4	--	-96	--	-214.2	--	-216	--	-255.1	--	-194	--	-243.3	--	-243.3	
Turbidity	NTU	--	--	--	--	7.7	--	0.46	--	0	--	0.72	--	0	--	0.31	--	0	--	0.67	--	0	--	0.56	--	0.56	
Salinity	PSU	--	--	--	--	1.44	--	1.69	--	0.18	--	0.18	--	0.18	--	0.08	--	0.11	--	0	--	0.09	--	0	--	0	
Total Dissolved Solids	g/L	--	--	--	--	1.79	--	1.64	--	0.102	--	1.89	--	0.077	--	0.17	--	0.153	--	0.127	--	0.128	--	0.108	--	0.108	
Dissolved Oxygen (Field)	mg/L	--	--	--	--	0	--	1.19	--	0.02	--	0.18	--	0.2	--	0.17	--	0.03	--	0.1	--	0	--	0.08	--	0.08	
General Chemistry																											
Alkalinity (Total as CaCO3)	mg/L	9.1	--	--	--	150	150	150	150	99	100	100	100	53	54	52	54	100	100	98	100	73	72	72	72	72	
Alkalinity, Bicarbonate (HCO3) as CaCO3	mg/L	--	--	--	--	150	150	150	150	97	98	98	98	53	53	52	54	100	100	97	100	72	72	72	71	71	
Alkalinity, Carbonate as CaCO3	mg/L	--	--	--	--	1	1.2	<1.0	<1.0	1.3	1.5	1.5	1.4	<1.0	<1.0	<1.0	<1.0	1.8	1.8	1.6	1.6	<1.0	<1.0	<1.0	<1.0	<1.0	
Conductivity	µS/cm	--	--	--	--	2790	2700	3000	3000	350	350	350	360	140	140	140	140	270	270	270	270	230	230	240	240	240	
Dissolved Organic Carbon	mg/L	--	--	--	--	23	23	26	26	1.2	1.2	1.3	1.3	0.83	<0.40	0.88	0.91	1.1	1.1	1.2	1.2	0.91	0.91	0.92	0.88	0.88	
Hardness, Calcium Carbonate, dissolved	mg/L	12.05	--	--	--	819	868	806	844	108	112	112	112	55.6	54.4	54.7	54.7	76.2	71	75.4	67.4	68.4	68.4	71	72.1	72.1	
Reactive Silica	mg/L	--	--	--	--	8.7	8.1	8.4	8.5	7.6	7.2	7.2	7.2	6.2	5.3	5.9	6	7.4	7.9	7.3	8	9	10	10	10	10	
Sodium Adsorption Ratio (salinity in water)	mg/L	--	--	--	--	4.2	4.2	4.7	4.8	0.99	0.99	1	1	0.24	0.24	0.25	0.25	1.3	1.3	1.3	1.3	1.1	1.1	1.1	1.1	1.1	
Total Dissolved Solids (measured)	mg/L	22	--	--	--	2010	1900	2140	2160	170	170	155	155	75	75	75	75	140	140	150	150	130	130	140	140	140	
Total Organic Carbon	mg/L	--	--	--	--	23	23	27	27	1.4	1.3	1.3	1.4	0.92	0.9	0.9	0.96	1.4	1.2	1.4	1.2	1.1	1.1	1.1	1.1		
Total Suspended Solids	mg/L	<1	(1)	15	15	<1	<1	12	21	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	
Turbidity	NTU	--	--	--	--	50	25	50	53	0.3	0.3	0.3	0.2	0.1	0.1	0.2	0.1	0.5	0.5	0.5	0.5	0.3	0.3	0.3	0.3	0.3	
Anions																											
Bromide	mg/L	--	--	--	--	1.9	1.9	1.9	1.9	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	
Chloride	mg/L	0.793	120	--	1000	220	220	220	220	44	44	43	45	2.7	1.9	1.1	1.7	5.1	5.4	7.3	7	1.7	1.7	1.7	1.7	1.7	
Fluoride	mg/L	0.0793	0.12	--	--	0.35	0.34	0.53	0.32	0.31	0.59	0.59	0.52	0.38	0.39	0.35	0.33	1.2	1.2	1.2	1.2	1.1	1.1	1.1	1.1		
Sulphate	mg/L	5.1	--	--	--	1100	1100	1200	1200	3.7	3.7	4.5	4.3	11	12	11	12	22	22	25	25	39	39	42	45		
Total Metals																											
Aluminum	mg/L	0.007475	0.1 (2)	--	1.5	0.00187	0.00167	0.00421	0.00777	0.0028	0.00317	0.005	0.00961	0.00668	0.00341	0.00352	0.00906	0.00351	0.00658	0.028	0.115	0.00522	0.00568	0.028	0.028	0.028	
Antimony	mg/L	--	--	--	--	<0.000040	<0.000040	<0.000020	<0.000020	<0.000020	<0.000020	<0.000020	<0.000020	<0.000020	<0.000020	<0.000020	<0.000020	<0.000020	<0.000020	<0.000020	<0.000020	<0.000020	<0.000020	<0.000020	<0.000020	<0.000020	
Arsenic	mg/L	0.0051	0.005	0.5	0.3	0.179	0.191	0.199	0.208	0.0321	0.0337	0.0334	0.046	0.033	0.0461	0.0462	0.0462	0.0574	0.0595	0.0596	0.0558	0.0205	0.0207	0.022	0.022	0.022	
Barium	mg/L	0.0036575	--	--	--	0.0213	0.0228	0.023	0.024	0.0213	0.0213	0.0213	0.0213	0.0213	0.0213	0.0213	0.0213	0.0213	0.0213	0.0213	0.0213	0.0213	0.0213	0.0213	0.0213	0.0213	
Beryllium	mg/L	--	--	--	--	<0.000020	<0.000020	<0.000020	<0.000020	<0.000020	<0.000020	<0.000020	<0.000020	<0.000020	<0.000020	<0.000020	<0.000020	<0.000020	<0.000020	<0.000020	<0.000020	<0.000020	<0.000020	<0.000020	<0.000020	<0.000020	
Bismuth	mg/L	--	--	--	--	<0.000010	<0.000010	<0.000010	<0.000010	<0.000010	<0.000010	<0.000010	<0.000010	<0.000010	<0.000010	<0.000010	<0.000010	<0.000010	<0.000010	<0.000010	<0.000010	<0.000010	<0.000010	<0.000010	<0.000010	<0.000010	
Boron	mg/L	--	--	--	--	0.077	0.081	0.091	0.094	0.157	0.154	0.172	0.17	0.025	0.023	0.023	0.022	0.233	0.242	0.231	0.225	0.086	0.09	0.091	0.094		
Calcium	mg/L	0.000033	0.0004(3)	--	0.002	<0.000010	<0.000010	<0.000010	<0.000010	<0.000050	<0.000050	<0.000050	<0.000050	<0.000050	<0.000050	<0.000050	<0.000050	<0.000050	<0.000050	<0.000050	<0.000050	<0.000050	<0.000050	<0.000050	<0.000050	<0.000050	
Chromium	mg/L	0.00011	0.001(4)	--	--	0.00085	0.00089	0.00064	0.00016	0.00020	0.00033	0.00033	0.00011	0.0001	<0.00010	0.00023	0.00018	0.00011	0.00011	0.00011	0.00011	0.00017	0.00021	0.00094	0.00094	0.00094	
Copper	mg/L	0.00060	0.002(5)	0.3	0.1	0.001	0.00076	0.00039	0.00021	0.000075	0.000068	0.000478	0.00117	0.000185	0.000237	0.000181	0.000243	0.00062	0.00122	0.00055	0.000174	0.00021	0.00021	0.000134	0.000128	0.000128	
Iron	mg/L	0.01733	0.02(6)	--	--	0.0626	0.0626	0.0626	0.0626	0.0626	0.0626	0.0626	0.0626	0.0626	0.0626	0.0626	0.0626	0.0626	0.0626	0.0626	0.0626	0.0626	0.0626	0.0626	0.0626	0.0626	
Lead	mg/L	0.000033	0.001(6)	0.2	0.1	0.000507	0.000342	0.00186	0.00078	0.0000184	0.000019	0.0000262	0.000055	0.000085	0.000036	0.000041	0.00005	0.0000133	0.0000235	0.000023	0.000022	0.0000158	0.0000188	0.0000188	0.0000188	0.0000188	
Lithium	mg/L	--	--	--	--	0.0119	0.0116	0.0164	0.00475	0.00475	0.00475	0.00475	0.00475	0.00475	0.00475	0.00475	0.00475	0.00475	0.00475	0.00475	0.00475	0.00475	0.00475	0.00475	0.00475	0.00475	
Magnesium	mg/L	--	--	--	--	70.5	75.5	69.6	74.2	12.7	12.8	13.6	5.01	4.89	5.18	5.18	8.01	8	7.3	7.1	6.56	6.76	7.47	7.47	7.56		
Manganese	mg/L	0.01055	--	--	--	0.007	0.0067	0.0034	0.0029	0.0034	0.0034	0.0034	0.0034	0.0034	0.0034	0.0034	0.0034	0.0034	0.0034	0.0034	0.0034	0.0034	0.0034	0.0034	0.0034		
Mercury	mg/L	0.000010	0.000026	--	0.0004	<0.000010	<0.000010	<0.000010	<0.000010	<0.000010	<0.000010	<0.000010	<0.000010	<0.000010	<0.000010	<0.000010	<0.000010	<0.000010	<0.000010	<0.000010	<0.000010	<0.000010	<0.000010	<0.000010	<0.000010	<0.000010	
Molybdenum	mg/L	0.00019	0.073	--	--	0.0451	0.0533	0.0475	0.0496	0.00863	0.00872	0.00828	0.00446	0.00445													

APPENDIX B

Table B-2: 2023 Groundwater Monitoring Program QA/QC Results
Agnico Eagle Mines Limited, Meadowbank Mine, Nunavut

BV Labs ID Sampling Date COC Number WSP ID	UNITS	MDL	23-Jul-2023	23-Jul-2023	RPD	MDL	11-sept-2023	11-sept-2023	RPD	MDL	22-jul-2023	22-jul-2023	RPD	MDL	10-sept-2023	10-sept-2023	RPD	MDL	21-jul-2023	21-jul-2023	
			MW-16-01A	MW-16-01B			MW-16-01A	MW-16-01B			MW-IPD-01(D)A	MW-IPD-01(D)B			MW-IPD-01(D)A	MW-IPD-01(D)B			MW-IPD-01(S)A	MW-IPD-01(S)B	
			CONVENTIONALS																		
General Chemistry																					
Alkalinity (Total as CaCO3)	mg/l	1	150	150	0%	1	150	150	0%	1	99	99	0%	1	100	100	0%	1	53	54	
Bicarb. Alkalinity (calc. as CaCO3)	mg/l	1	150	150	0%	1	150	150	0%	1	97	98	1%	1	98	99	1%	1	53	53	
Carb. Alkalinity (calc. as CaCO3)	mg/l	1	1	1.2	+/-MDL	1	< 1.0	< 1.0	--	1	1.3	1.5	+/-MDL	1	1.5	1.4	+/-MDL	1	< 1.0	< 1.0	
Conductivity	uS/cm	1	2700	2700	0%	1	3000	3000	0%	1	350	350	0%	1	350	360	3%	1	140	140	
Dissolved Organic Carbon	mg/l	0.4	23	23	0%	0.4	26	26	0%	0.4	1.2	1.2	+/-MDL	0.4	1.3	1.3	+/-MDL	0.4	0.83	< 0.40	
Dissolved Hardness (CaCO3)	mg/l	0.5	819	868	6%	0.5	806	844	5%	0.5	108	110	2%	0.5	112	112	0%	0.5	55.6	54.4	
Reactive Silica (SiO2)	mg/l	0.05	8.7	8.1	7%	0.05	8.4	8.5	1%	0.05	7.6	7	8%	0.05	7.2	7.2	0%	0.05	6.2	5.3	
Sodium Adsorption Ratio (Salinity in water)	-	2	4.2	4.2	+/-MDL	2	4.7	4.8	+/-MDL	2	0.99	0.99	+/-MDL	2	1	1	+/-MDL	2	0.24	0.24	
Total Dissolved Solids (measured)	mg/l	10	2010	1900	6%	10	2140	2160	1%	10	180	170	6%	10	155	155	0%	10	75	95	
Total Organic Carbon (TOC)	mg/l	0.4	23	23	0%	0.4	27	27	0%	0.4	1.4	1.3	+/-MDL	0.4	1.3	1.4	+/-MDL	0.4	0.92	0.9	
Total Suspended Solids	mg/l	1	10	10	0%	1	12	21	55%	1	< 1	< 1	--	1	< 1	< 1	--	1	< 1	< 1	
Turbidity	NTU	0.1	50	25	67%	0.1	50	53	6%	0.1	0.3	0.3	+/-MDL	0.1	0.3	0.2	+/-MDL	0.1	0.1	0.1	
Anions																					
Bromide (Br-)	mg/l	0.05	1.9	1.9	0%	0.05	1.9	1.9	0%	0.05	< 1.0	< 1.0	--	0.05	< 1.0	< 1.0	--	0.05	< 1.0	< 1.0	
Chloride (Cl-)	mg/l	2.5	220	220	0%	2.5	220	220	0%	2.5	44	44	0%	2.5	43	45	5%	2.5	2.7	1.9	
Fluoride (F-)	mg/l	0.1	0.35	0.34	+/-MDL	0.1	0.32	0.31	+/-MDL	0.1	0.59	0.59	0%	0.1	0.52	0.53	2%	0.1	0.38	0.39	
Dissolved Sulphate (SO4)	mg/l	5	1100	1100	0%	5	1200	1200	0%	5	3.7	3.7	+/-MDL	5	4.5	4.3	+/-MDL	5	11	11	
Total Metals																					
Aluminum (Al)	mg/l	0.0005	0.0187	0.0167	11%	0.0005	0.0421	0.0077	138%	0.0005	0.0028	0.00317	12%	0.0005	0.005	0.00961	63%	0.0005	0.00668	0.00341	
Antimony (Sb)	mg/l	0.00002	< 0.000040	< 0.000040	--	0.00002	< 0.000040	< 0.000040	--	0.00002	< 0.000020	< 0.000020	--	0.00002	< 0.000020	< 0.000020	--	0.00002	0.000131	0.000131	
Arsenic (As)	mg/l	0.00002	0.179	0.191	6%	0.00002	0.199	0.208	4%	0.00002	0.0321	0.0337	5%	0.00002	0.0334	0.033	1%	0.00002	0.0406	0.0404	
Barium (Ba)	mg/l	0.00002	0.0213	0.0228	7%	0.00002	0.021	0.0204	3%	0.00002	0.0199	0.0213	7%	0.00002	0.0201	0.022	9%	0.00002	0.00492	0.00363	
Beryllium (Be)	mg/l	0.00002	< 0.000020	< 0.000020	--	0.00002	< 0.000020	< 0.000020	--	0.00002	< 0.000010	< 0.000010	--	0.00002	< 0.000010	< 0.000010	--	0.00002	< 0.000010	< 0.000010	
Bismuth (Bi)	mg/l	0.000005	< 0.000010	< 0.000010	--	0.000005	< 0.000010	< 0.000010	--	0.000005	< 0.0000050	< 0.0000050	--	0.000005	< 0.0000050	< 0.0000050	--	0.000005	< 0.0000050	< 0.0000050	
Boron (B)	mg/l	0.01	0.077	0.081	5%	0.01	0.091	0.094	3%	0.01	0.157	0.154	2%	0.01	0.172	0.17	1%	0.01	0.025	0.023	
Cadmium (Cd)	mg/l	0.00001	< 0.000010	< 0.000010	--	0.00001	< 0.000010	< 0.000010	--	0.00001	< 0.0000050	< 0.0000050	--	0.00001	< 0.0000050	< 0.0000050	--	0.00001	< 0.0000050	< 0.0000050	
Calcium (Ca)	mg/l	0.5	212	223	5%	0.5	208	216	4%	0.5	22.2	22.9	3%	0.5	22.2	22.5	1%	0.5	14	13.7	
Chromium (Cr)	mg/l	0.0001	0.00085	0.00589	150%	0.0001	0.00064	< 0.00020	--	0.0001	0.00015	0.00033	>MDL	0.0001	0.00011	0.00016	+/-MDL	0.0001	< 0.00010	0.0001	
Copper (Cu)	mg/l	0.0001	0.001	0.00076	27%	0.0001	0.00039	0.00021	>MDL	0.0001	0.000075	0.000068	+/-MDL	0.0001	0.000478	0.00117	>MDL	0.0001	0.000185	0.000237	
Iron (Fe)	mg/l	0.001	4.72	4.95	5%	0.001	4.92	5.06	3%	0.001	0.0798	0.0826	3%	0.001	0.0922	0.101	9%	0.001	0.0668	0.0632	
Lead (Pb)	mg/l	0.000005	0.000507	0.000342	39%	0.000005	0.00186	0.000078	184%	0.000005	0.0000164	0.000019	+/-MDL	0.000005	0.000062	0.000095	42%	0.000005	0.0000885	0.000036	
Lithium (Li)	mg/l	0.0005	0.0109	0.0111	2%	0.0005	0.0116	0.0116	0%	0.0005	0.00474	0.00473	0%	0.0005	0.00506	0.00485	4%	0.0005	0.00164	0.00162	
Magnesium (Mg)	mg/l	0.05	70.5	75.5	7%	0.05	69.6	74.2	6%	0.05	12.7	12.8	1%	0.05	13.6	13.5	1%	0.05	5.01	4.89	
Manganese (Mn)	mg/l	0.00005	1.97	2.09	6%	0.00005	2.09	2.2	5%	0.00005	0.0354	0.0356	1%	0.00005	0.0367	0.0367	0%	0.00005	0.0628	0.0626	
Mercury (Hg)	mg/l	0.0001	< 0.00010	< 0.00010	--	0.0001	< 0.00010	< 0.00010	--	0.0001	< 0.00001	< 0.00001	--	0.0001	< 0.00001	< 0.00001	--	0.0001	< 0.00001	< 0.00001	
Molybdenum (Mo)	mg/l	0.00005	0.0451	0.0533	17%	0.00005	0.0475	0.0496	4%	0.00005	0.00863	0.00872	1%	0.00005	0.00818	0.00828	1%	0.00005	0.00446	0.00445	
Nickel (Ni)	mg/l	0.00002	0.00475	0.0263	139%	0.00002	0.00178	0.00154	14%	0.00002	0.000661	0.00136	69%	0.00002	0.000254	0.000241	5%	0.00002	0.000651	0.000726	
Potassium (K)	mg/l	0.05	17.3	18.5	7%	0.05	19.2	20.1	5%	0.05	1.17	1.17	0%	0.05	1.18	1.19	1%	0.05	1.78	1.79	
Selenium (Se)	mg/l	0.00008	0.000136	0.000091	+/-MDL	0.00008	< 0.000080	< 0.000080	--	0.00008	0.00005	< 0.000040	--	0.00008	< 0.000040	< 0.000040	--	0.00008	< 0.000040	< 0.000040	
Silver (Ag)	mg/l	0.000005	0.00001	< 0.000010	--	0.000005	< 0.000010	< 0.000010	--	0.000005	< 0.0000050	< 0.0000050	--	0.000005	< 0.0000050	< 0.0000050	--	0.000005	< 0.0000050	< 0.0000050	
Sodium (Na)	mg/l	0.05	253	265	5%	0.05	269	289	7%	0.05	21.9	22	0%	0.05	22.3	21.8	2%	0.05	3.79	3.8	
Strontium (Sr)	mg/l	0.00005	1.04	1.1	6%	0.00005	0.918	0.957	4%	0.00005	0.317	0.317	0%	0.00005	0.305	0.305	0%	0.00005	0.0933	0.0914	
Thallium (Tl)	mg/l	0.000004	< 0.0000040	< 0.0000040	--	0.000004	< 0.0000040	< 0.0000040	--	0.000004	< 0.0000020	< 0.0000020	--	0.000004	< 0.0000020	< 0.0000020	--	0.000004	< 0.0000020	< 0.0000020	
Tin (Sn)	mg/l	0.0004	< 0.00040	< 0.00040	--	0.0004	< 0.00040	< 0.00040	--	0.0004	< 0.00020	< 0.00020	--	0.0004	< 0.00020	0.0003	--	0.0004	< 0.00020	< 0.00020	
Titanium (Ti)	mg/l	0.001	< 0.0010	< 0.0010	--	0.001	< 0.0010	< 0.0010	--	0.001	< 0.00050	< 0.00050	--	0.001	< 0.00050	< 0.00050	--	0.001	< 0.00050	< 0.00050	
Uranium (U)	mg/l	0.000002	0.00503	0.00527	5%	0.000002	0.004	0.00421	5%	0.000002	0.000483	0.000495	2%	0.000002	0.000449	0.000446	1%	0.000002	0.00379	0.00378	
Vanadium (V)	mg/l	0.0002	< 0.00040	< 0.00040	--	0.0002	< 0.00040	< 0.00040	--	0.0002	< 0.00020	< 0.00020	--	0.0002	< 0.00020	< 0.00020	--	0.0002	< 0.00020	< 0.00020	
Zinc (Zn)	mg/l	0.0001	0.002	0.00218	9%	0.0001	0.00622	0.00158	119%	0.0001	0.00022	0.00042	>MDL	0.0001	0.00274	0.00526	63%	0.0001	0.00053	0.00015	

Table B-2: 2023 Groundwater Monitoring Program QA/QC Results
Agnico Eagle Mines Limited, Meadowbank Mine, Nunavut

BV Labs ID Sampling Date COC Number WSP ID	UNITS	MDL	23-Jul-2023	23-Jul-2023	RPD	MDL	11-sept-2023	11-sept-2023	RPD	MDL	22-jul-2023	22-jul-2023	RPD	MDL	10-sept-2023	10-sept-2023	RPD	MDL	21-jul-2023	21-jul-2023
			MW-16-01A	MW-16-01B			MW-16-01A	MW-16-01B			MW-IPD-01(D)A	MW-IPD-01(D)B			MW-IPD-01(D)A	MW-IPD-01(D)B			MW-IPD-01(S)A	MW-IPD-01(S)B
			Dissolved Metals																	
Aluminum (Al)	mg/l	0.0005	0.0018	0.0042	>MDL	0.0005	0.00367	0.00967	90%	0.0005	0.00401	0.00405	1%	0.0005	0.00849	0.00842	1%	0.0005	0.00414	0.00392
Antimony (Sb)	mg/l	0.00002	< 0.000040	< 0.000040	--	0.00002	< 0.000020	< 0.000020	--	0.00002	< 0.000020	< 0.000020	--	0.00002	< 0.000020	< 0.000020	--	0.00002	0.000131	0.000123
Arsenic (As)	mg/l	0.00002	0.0953	0.0974	2%	0.00002	0.23	0.229	0%	0.00002	0.0338	0.0323	5%	0.00002	0.0324	0.0325	0%	0.00002	0.0412	0.0408
Barium (Ba)	mg/l	0.00002	0.0208	0.0216	4%	0.00002	0.0208	0.0231	10%	0.00002	0.0195	0.0221	13%	0.00002	0.0215	0.022	2%	0.00002	0.00531	0.00358
Beryllium (Be)	mg/l	0.00002	< 0.000020	< 0.000020	--	0.00002	< 0.000010	< 0.000010	--	0.00002	< 0.000010	< 0.000010	--	0.00002	< 0.000010	< 0.000010	--	0.00002	< 0.000010	< 0.000010
Bismuth (Bi)	mg/l	0.000005	< 0.000010	< 0.000010	--	0.000005	0.0000051	< 0.0000050	--	0.000005	< 0.0000050	< 0.0000050	--	0.000005	< 0.0000050	< 0.0000050	--	0.000005	< 0.0000050	< 0.0000050
Boron (B)	mg/l	0.01	0.087	0.091	4%	0.01	0.097	0.097	0%	0.01	0.155	0.153	1%	0.01	0.171	0.173	1%	0.01	0.024	0.024
Cadmium (Cd)	mg/l	0.00001	< 0.000010	< 0.000010	--	0.00001	< 0.0000050	< 0.0000050	--	0.00001	< 0.0000050	< 0.0000050	--	0.00001	< 0.0000050	< 0.0000050	--	0.00001	< 0.0000050	< 0.0000050
Calcium (Ca)	mg/l	0.5	242	241	0%	0.5	225	224	0%	0.5	22.2	22.4	1%	0.5	22.9	22.9	0%	0.5	13.8	13.4
Chromium (Cr)	mg/l	0.0002	< 0.00020	< 0.00020	--	0.0002	< 0.00010	0.00015	--	0.0002	< 0.00010	0.00022	--	0.0002	0.00014	0.0002	+/-MDL	0.0002	< 0.00010	< 0.00010
Copper (Cu)	mg/l	0.0001	0.00093	0.00116	22%	0.0001	0.00011	0.000199	+/-MDL	0.0001	0.000065	0.000057	+/-MDL	0.0001	0.0014	0.002	35%	0.0001	0.000163	0.000155
Iron (Fe)	mg/l	0.001	1.57	1.56	1%	0.001	4.67	4.6	2%	0.001	0.058	0.0651	12%	0.001	0.0818	0.0768	6%	0.001	0.0615	0.061
Lead (Pb)	mg/l	0.000005	< 0.000010	0.000028	--	0.000005	0.000008	0.0000261	>MDL	0.000005	0.0000329	0.0000376	13%	0.000005	0.000135	0.0000756	56%	0.000005	0.000038	0.0000265
Lithium (Li)	mg/l	0.0005	0.0117	0.012	3%	0.0005	0.0132	0.0132	0%	0.0005	0.00477	0.00471	1%	0.0005	0.005	0.00512	2%	0.0005	0.00162	0.00162
Magnesium (Mg)	mg/l	0.05	82	84.1	3%	0.05	85.5	84.9	1%	0.05	12.9	12.9	0%	0.05	13.9	13.8	1%	0.05	5.03	4.93
Manganese (Mn)	mg/l	0.00005	2.28	2.28	0%	0.00005	2.23	2.22	0%	0.00005	0.0346	0.035	1%	0.00005	0.0355	0.0355	0%	0.00005	0.0608	0.0608
Mercury (Hg)	mg/l	0.0001	< 0.00010	< 0.00010	--	0.0001	< 0.00010	< 0.00010	--	0.0001	< 0.00001	< 0.00001	--	0.0001	< 0.00001	< 0.00001	--	0.0001	< 0.00001	< 0.00001
Molybdenum (Mo)	mg/l	0.00005	0.0454	0.0457	1%	0.00005	0.0587	0.0577	2%	0.00005	0.00834	0.00838	0%	0.00005	0.00841	0.00839	0%	0.00005	0.00444	0.00433
Nickel (Ni)	mg/l	0.00002	0.00157	0.00162	3%	0.00002	0.00155	0.00156	1%	0.00002	0.000277	0.000306	10%	0.00002	0.000324	0.000242	29%	0.00002	0.000465	0.000564
Potassium (K)	mg/l	0.05	19.2	19.5	2%	0.05	22.2	22.3	0%	0.05	1.16	1.2	3%	0.05	1.2	1.21	1%	0.05	1.8	1.78
Selenium (Se)	mg/l	0.00008	< 0.000080	< 0.000080	--	0.00008	0.00015	0.00007	+/-MDL	0.00008	< 0.000040	0.000054	--	0.00008	< 0.000040	< 0.000040	--	0.00008	< 0.000040	< 0.000040
Silver (Ag)	mg/L	0.000005	0.00003	< 0.000010	--	0.000005	< 0.0000050	< 0.0000050	--	0.000005	< 0.0000050	< 0.0000050	--	0.000005	< 0.0000050	< 0.0000050	--	0.000005	< 0.0000050	< 0.0000050
Sodium (Na)	mg/l	0.05	301	306	2%	0.05	291	285	2%	0.05	21.7	21.8	0%	0.05	22.9	23	0%	0.05	3.72	3.68
Strontium (Sr)	mg/l	0.00005	1.12	1.14	2%	0.00005	1.15	1.15	0%	0.00005	0.308	0.31	1%	0.00005	0.299	0.3	0%	0.00005	0.0915	0.0906
Thallium (Tl)	mg/l	0.000004	0.0000093	0.0000053	+/-MDL	0.000004	< 0.0000020	< 0.0000020	--	0.000004	< 0.0000020	< 0.0000020	--	0.000004	< 0.0000020	< 0.0000020	--	0.000004	< 0.0000020	< 0.0000020
Tin (Sn)	mg/l	0.0004	< 0.00040	< 0.00040	--	0.0004	< 0.00020	< 0.00020	--	0.0004	< 0.00020	< 0.00020	--	0.0004	0.00045	0.0002	+/-MDL	0.0004	< 0.00020	< 0.00020
Titanium (Ti)	mg/l	0.001	< 0.0010	< 0.0010	--	0.001	< 0.00050	0.00052	--	0.001	< 0.00050	< 0.00050	--	0.001	< 0.00050	< 0.00050	--	0.001	< 0.00050	< 0.00050
Uranium (U)	mg/l	0.000002	0.0049	0.0051	4%	0.000002	0.00471	0.00472	0%	0.000002	0.000481	0.000475	1%	0.000002	0.000491	0.000489	0%	0.000002	0.00371	0.00373
Vanadium (V)	mg/l	0.0002	< 0.00040	< 0.00040	--	0.0002	< 0.00020	< 0.00020	--	0.0002	< 0.00020	< 0.00020	--	0.0002	< 0.00020	< 0.00020	--	0.0002	< 0.00020	< 0.00020
Zinc (Zn)	mg/l	0.0001	0.00698	0.0105	40%	0.0001	0.00055	0.00104	62%	0.0001	0.00061	0.00102	50%	0.0001	0.00426	0.00375	13%	0.0001	0.00125	0.0002
Nutrients																				
Ammonium as (NH3)	mg/l	0.00068	10	11	10%	0.00068	13	13	0%	0.00068	0.08	< 0.061	--	0.00068	< 0.061	< 0.061	--	0.00068	0.11	0.1
Ammonium (NH4)	mg/l	0.00068	11	11	0%	0.00068	14	14	0%	0.00068	0.08	< 0.05	--	0.00068	< 0.0038	< 0.0038	--	0.00068	0.1	0.09
Total Nitrogen (Ammonia Nitrogen)	mg/l	0.025	8.6	8.8	2%	0.025	11	11	0%	0.025	0.066	< 0.050	--	0.025	< 0.050	< 0.050	--	0.025	0.09	0.084
Total Un-ionized Ammonia	mg/l	0.00068	0.078	0.08	3%	0.00068	0.099	0.095	4%	0.00068	0.0071	< 0.0054	--	0.00068	< 0.0031	< 0.0031	--	0.00068	0.012	0.012
Nitrate + Nitrite (N)	mg/l	0.1	< 0.10	< 0.10	--	0.1	< 0.10	< 0.10	--	0.1	< 0.10	< 0.10	--	0.1	< 0.10	< 0.10	--	0.1	< 0.10	< 0.10
Nitrate (N)	mg/l	0.1	< 0.10	< 0.10	--	0.1	< 0.10	< 0.10	--	0.1	< 0.10	< 0.10	--	0.1	< 0.10	< 0.10	--	0.1	< 0.10	< 0.10
Nitrite (N)	mg/l	0.01	< 0.010	< 0.010	--	0.01	< 0.010	< 0.010	--	0.01	< 0.010	< 0.010	--	0.01	< 0.010	< 0.010	--	0.01	< 0.010	< 0.010
Orthophosphate (P)	mg/l	0.001	< 0.010	< 0.010	--	0.001	< 0.010	< 0.010	--	0.001	< 0.010	< 0.010	--	0.001	< 0.010	< 0.010	--	0.001	0.016	0.015
Total Kjeldahl Nitrogen (TKN)	mg/l	1	37	37	0%	1	37	39	5%	1	0.15	0.17	+/-MDL	1	0.11	0.11	+/-MDL	1	0.19	0.16
Phosphorus (P)	mg/l	0.001	0.03	0.027	11%	0.001	0.054	0.058	7%	0.001	0.0021	0.0014	+/-MDL	0.001	0.0021	0.0019	+/-MDL	0.001	0.013	0.014
Cyanide																				
Total Cyanide (CN)	mg/l	0.0005	0.0318	0.0322	1%	0.0005	0.0356	0.0355	0%	0.0005	0.00072	< 0.00050	--	0.0005	< 0.00050	< 0.00050	--	0.0005	0.0008	< 0.00050
Free Cyanide (CN)	mg/l	0.002	0.016	0.018	12%	0.002	0.027	0.027	0%	0.002	0.0024	0.0045	>MDL	0.002	0.0055	0.0048	+/-MDL	0.002	0.0021	0.0042
WAD Cyanide (Free)	mg/l	0.0005	0.014	0.014	0%	0.0005	0.021	0.021	0%	0.0005	0.00067	< 0.00050	--	0.0005	< 0.00050	< 0.00050	--	0.0005	< 0.00050	< 0.00050

Notes:
 MDL = Method Detection Limit
 RPD = Relative Percent Difference
 RPD value exceeds 20% or >MDL
 -- not calculated (one or both result below MDL)
 - parameter was not analyzed

APPENDIX B

Table B-2: 2023 Groundwater Monitoring Program QA/QC Results
Agnico Eagle Mines Limited, Meadowbank Mine, Nunavut

BV Labs ID Sampling Date COC Number WSP ID	RPD	MDL	09-sept-2023	09-sept-2023	RPD	MDL	20-juil-2023	20-juil-2023	RPD	MDL	07-sept-2023	07-sept-2023	RPD	MDL	19-juil-2023	19-juil-2023	RPD	MDL	08-sept-2023	08-sept-2023	
			MW-IPD-01(S)A	MW-IPD-01(S)B			MW-IPD-07A	MW-IPD-07B			MW-IPD-07A	MW-IPD-07B			MW-IPD-09a	MW-IPD-09B			MW-IPD-09a	MW-IPD-09b	
			CONVENTIONALS																		
General Chemistry																					
Alkalinity (Total as CaCO3)	2%	1	52	54	4%	1	100	100	0%	1	98	100	2%	1	73	72	1%	1	72	72	
Bicarb. Alkalinity (calc. as CaCO3)	0%	1	52	54	4%	1	100	100	0%	1	97	100	3%	1	72	72	0%	1	71	71	
Carb. Alkalinity (calc. as CaCO3)	--	1	< 1.0	< 1.0	--	1	1.8	1.8	+/-MDL	1	1.6	1.2	+/-MDL	1	< 1.0	< 1.0	--	1	< 1.0	< 1.0	
Conductivity	0%	1	140	140	0%	1	270	270	0%	1	270	270	0%	1	230	230	0%	1	240	240	
Dissolved Organic Carbon	--	0.4	0.88	0.91	+/-MDL	0.4	1.1	1	+/-MDL	0.4	1.2	1.2	+/-MDL	0.4	0.91	0.91	+/-MDL	0.4	0.92	0.88	
Dissolved Hardness (CaCO3)	2%	0.5	53.7	54.7	2%	0.5	76.2	75.4	1%	0.5	67.4	66.6	1%	0.5	67	68.4	2%	0.5	71	72.1	
Reactive Silica (SiO2)	16%	0.05	5.9	6	2%	0.05	7.4	7.9	7%	0.05	7.3	8	9%	0.05	9	10	11%	0.05	10	10	
Sodium Adsorbion Ratio (Salinity in water)	+/-MDL	2	0.25	0.25	+/-MDL	2	1.3	1.3	+/-MDL	2	1.3	1.3	+/-MDL	2	1.1	1.1	+/-MDL	2	1.1	1.1	
Total Dissolved Solids (measured)	24%	10	50	75	40%	10	150	155	3%	10	150	140	7%	10	145	130	11%	10	100	115	
Total Organic Carbon (TOC)	+/-MDL	0.4	1	0.96	+/-MDL	0.4	1.4	1.2	+/-MDL	0.4	1.2	1.4	+/-MDL	0.4	1.1	1.1	+/-MDL	0.4	1	1.1	
Total Suspended Solids	--	1	< 1	< 1	--	1	< 1	1	--	1	< 1	< 1	--	1	< 1	< 1	--	1	< 1	2	
Turbidity	+/-MDL	0.1	0.2	0.1	+/-MDL	0.1	0.5	0.5	0%	0.1	0.5	0.4	+/-MDL	0.1	0.3	0.3	+/-MDL	0.1	0.3	0.3	
Anions																					
Bromide (Br-)	--	0.05	< 1.0	< 1.0	--	0.05	< 1.0	< 1.0	--	0.05	< 1.0	< 1.0	--	0.05	< 1.0	< 1.0	--	0.05	< 1.0	< 1.0	
Chloride (Cl-)	+/-MDL	1	1.1	1.7	+/-MDL	2.5	5.1	5.4	+/-MDL	2.5	7.3	7	+/-MDL	2.5	1.7	< 1.0	--	1	1.4	1	
Fluoride (F-)	+/-MDL	0.1	0.35	0.33	+/-MDL	0.1	1.2	1.2	0%	0.1	1.2	1.2	0%	0.1	1.1	1.1	0%	0.1	1	1	
Dissolved Sulphate (SO4)	+/-MDL	5	12	11	+/-MDL	5	22	22	+/-MDL	5	25	26	4%	5	39	39	0%	5	42	45	
Total Metals																					
Aluminum (Al)	65%	0.0005	0.00352	0.00906	88%	0.0005	0.00351	0.00658	61%	0.0005	0.028	0.115	122%	0.0005	0.00522	0.00568	8%	0.0005	0.026	0.0288	
Antimony (Sb)	0%	0.00002	0.000112	0.000113	1%	0.00002	< 0.000020	< 0.000020	--	0.00002	< 0.00050	< 0.00050	--	0.00002	< 0.000020	< 0.000020	--	0.00002	< 0.000020	0.000026	
Arsenic (As)	0%	0.00002	0.0461	0.0462	0%	0.00002	0.00574	0.00585	2%	0.00002	0.00596	0.00558	7%	0.00002	0.0205	0.0207	1%	0.00002	0.022	0.022	
Barium (Ba)	30%	0.00002	0.00347	0.00532	42%	0.00002	0.0133	0.0128	4%	0.00002	0.0099	0.0124	22%	0.00002	0.00073	0.00231	104%	0.00002	0.00253	0.00273	
Beryllium (Be)	--	0.00002	< 0.000010	< 0.000010	--	0.00002	< 0.000010	< 0.000010	--	0.00002	< 0.00010	< 0.00010	--	0.00002	< 0.000010	< 0.000010	--	0.00002	< 0.000010	< 0.000010	
Bismuth (Bi)	--	0.000005	< 0.0000050	< 0.0000050	--	0.000005	< 0.0000050	< 0.0000050	--	0.000005	< 0.0010	< 0.0010	--	0.000005	< 0.0000050	< 0.0000050	--	0.000005	< 0.0000050	< 0.0000050	
Boron (B)	+/-MDL	0.01	0.023	0.022	+/-MDL	0.01	0.233	0.242	4%	0.01	0.231	0.225	3%	0.01	0.086	0.09	5%	0.01	0.091	0.094	
Cadmium (Cd)	--	0.00001	< 0.0000050	< 0.0000050	--	0.00001	< 0.0000050	< 0.0000050	--	0.00001	0.000012	< 0.000010	--	0.00001	< 0.0000050	< 0.0000050	--	0.00001	< 0.0000050	< 0.0000050	
Calcium (Ca)	2%	0.5	13	13.4	3%	0.5	17.3	17	2%	0.5	15	15	0%	0.5	16	16.2	1%	0.5	16.1	16.4	
Chromium (Cr)	--	0.0001	< 0.00010	0.00023	--	0.0001	0.00018	0.0022	>MDL	0.0001	< 0.0010	0.0011	--	0.0001	0.00017	0.00021	+/-MDL	0.0001	0.00094	0.00086	
Copper (Cu)	+/-MDL	0.0001	0.000161	0.000243	+/-MDL	0.0001	0.000052	0.000101	+/-MDL	0.0001	< 0.00050	0.00055	--	0.0001	0.000174	< 0.000050	--	0.0001	0.000134	0.000128	
Iron (Fe)	6%	0.001	0.0493	0.284	141%	0.001	0.11	0.134	20%	0.001	0.148	0.196	28%	0.001	0.159	0.165	4%	0.001	0.264	0.25	
Lead (Pb)	84%	0.000005	0.000041	0.00005	20%	0.000005	0.0000133	0.0000235	>MDL	0.000005	< 0.00020	0.00022	--	0.000005	0.0000158	0.0000198	+/-MDL	0.000005	0.000083	0.000078	
Lithium (Li)	+/-MDL	0.0005	0.00157	0.00159	+/-MDL	0.0005	0.00526	0.00527	0%	0.0005	0.0049	0.0047	4%	0.0005	0.002	0.002	+/-MDL	0.0005	0.00216	0.00221	
Magnesium (Mg)	2%	0.05	5.18	5.18	0%	0.05	8.01	8	0%	0.05	7.3	7.1	3%	0.05	6.56	6.76	3%	0.05	7.47	7.56	
Manganese (Mn)	0%	0.00005	0.0593	0.061	3%	0.00005	0.0556	0.0563	1%	0.00005	0.0473	0.0464	2%	0.00005	0.0345	0.0347	1%	0.00005	0.0347	0.0343	
Mercury (Hg)	--	0.0001	< 0.00001	< 0.00001	--	0.0001	< 0.00001	< 0.00001	--	0.0001	< 0.00001	< 0.00001	--	0.0001	< 0.00001	< 0.00001	--	0.0001	< 0.00001	< 0.00001	
Molybdenum (Mo)	0%	0.00005	0.00437	0.00433	1%	0.00005	0.00659	0.00674	2%	0.00005	0.006	0.0058	3%	0.00005	0.0112	0.0114	2%	0.00005	0.0111	0.011	
Nickel (Ni)	11%	0.00002	0.000462	0.000497	7%	0.00002	0.000249	0.000543	74%	0.00002	< 0.0010	< 0.0010	--	0.00002	0.000272	0.00028	3%	0.00002	0.000424	0.000447	
Potassium (K)	1%	0.05	1.79	1.8	1%	0.05	1.98	1.98	0%	0.05	1.78	1.71	4%	0.05	0.883	0.879	0%	0.05	0.896	0.904	
Selenium (Se)	--	0.00008	< 0.000040	< 0.000040	--	0.00008	0.000394	0.000473	+/-MDL	0.00008	< 0.00010	< 0.00010	--	0.00008	< 0.000040	< 0.000040	--	0.00008	< 0.000040	< 0.000040	
Silver (Ag)	--	0.000005	< 0.0000050	< 0.0000050	--	0.000005	< 0.0000050	< 0.0000050	--	0.000005	< 0.000020	< 0.000020	--	0.000005	< 0.0000050	< 0.0000050	--	0.000005	0.000006	0.000006	
Sodium (Na)	0%	0.05	3.72	3.72	0%	0.05	23.7	23.8	0%	0.05	20.7	19.8	4%	0.05	18.6	18.5	1%	0.05	18.8	18.9	
Strontium (Sr)	2%	0.00005	0.0921	0.0922	0%	0.00005	0.168	0.168	0%	0.00005	0.141	0.135	4%	0.00005	0.135	0.137	1%	0.00005	0.14	0.139	
Thallium (Tl)	--	0.000004	< 0.0000020	< 0.0000020	--	0.000004	< 0.0000020	< 0.0000020	--	0.000004	< 0.000010	< 0.000010	--	0.000004	< 0.0000020	< 0.0000020	--	0.000004	< 0.0000020	< 0.0000020	
Tin (Sn)	--	0.0004	< 0.00020	< 0.00020	--	0.0004	< 0.00020	< 0.00020	--	0.0004	< 0.0050	< 0.0050	--	0.0004	< 0.00020	< 0.00020	--	0.0004	< 0.00020	< 0.00020	
Titanium (Ti)	--	0.001	< 0.00050	< 0.00050	--	0.001	< 0.00050	< 0.00050	--	0.001	< 0.0050	< 0.0050	--	0.001	< 0.00050	< 0.00050	--	0.001	< 0.00050	< 0.00050	
Uranium (U)	0%	0.000002	0.00347	0.00354	2%	0.000002	0.000107	0.000112	5%	0.000002	0.00011	0.00012	9%	0.000002	0.000124	0.000121	2%	0.000002	0.000109	0.000106	
Vanadium (V)	--	0.0002	< 0.00020	< 0.00020	--	0.0002	< 0.00020	< 0.00020	--	0.0002	< 0.0050	< 0.0050	--	0.0002	< 0.00020	< 0.00020	--	0.0002	< 0.00020	< 0.00020	
Zinc (Zn)	>MDL	0.0001	0.00061	0.00197	105%	0.0001	0.00037	0.00022	>MDL	0.0001	< 0.0050	< 0.0050	--	0.0001	< 0.00010	0.00023	--	0.0001	0.00265	0.00115	

APPENDIX B

Table B-2: 2023 Groundwater Monitoring Program QA/QC Results
Agnico Eagle Mines Limited, Meadowbank Mine, Nunavut

BV Labs ID Sampling Date COC Number WSP ID	RPD	MDL	09-sept-2023	09-sept-2023	RPD	MDL	20-juil-2023	20-juil-2023	RPD	MDL	07-sept-2023	07-sept-2023	RPD	MDL	19-juil-2023	19-juil-2023	RPD	MDL	08-sept-2023	08-sept-2023	
			MW-IPD-01(S)A	MW-IPD-01(S)B			MW-IPD-07A	MW-IPD-07B			MW-IPD-07A	MW-IPD-07B			MW-IPD-09a	MW-IPD-09B			MW-IPD-09a	MW-IPD-09b	
Dissolved Metals																					
Aluminum (Al)	5%	0.0005	0.00761	0.00745	2%	0.0005	0.0102	0.00301	109%	0.0005	0.0337	0.0103	106%	0.0005	0.00344	0.00215	>MDL	0.0005	0.0736	0.00297	
Antimony (Sb)	6%	0.00002	0.000105	0.00011	5%	0.00002	0.000042	< 0.000020	--	0.00002	< 0.00050	< 0.00050	--	0.00002	< 0.000020	< 0.000020	--	0.00002	< 0.000020	< 0.000020	
Arsenic (As)	1%	0.00002	0.044	0.0453	3%	0.00002	0.00598	0.00592	1%	0.00002	0.00589	0.00583	1%	0.00002	0.0206	0.0204	1%	0.00002	0.0207	0.0201	
Barium (Ba)	39%	0.00002	0.00346	0.00546	45%	0.00002	0.0111	0.0125	12%	0.00002	0.0125	0.0125	0%	0.00002	0.000762	0.00074	3%	0.00002	0.00236	0.00204	
Beryllium (Be)	--	0.00002	< 0.000010	< 0.000010	--	0.00002	< 0.000010	< 0.000010	--	0.00002	< 0.00010	< 0.00010	--	0.00002	< 0.000010	< 0.000010	--	0.00002	< 0.000010	< 0.000010	
Bismuth (Bi)	--	0.000005	< 0.0000050	< 0.0000050	--	0.000005	< 0.0000050	< 0.0000050	--	0.000005	< 0.0010	< 0.0010	--	0.000005	< 0.0000050	< 0.0000050	--	0.000005	< 0.0000050	< 0.0000050	
Boron (B)	+/-MDL	0.01	0.031	0.028	+/-MDL	0.01	0.248	0.247	0%	0.01	0.239	0.237	1%	0.01	0.086	0.09	5%	0.01	0.097	0.094	
Cadmium (Cd)	--	0.00001	< 0.0000050	< 0.0000050	--	0.00001	< 0.0000050	< 0.0000050	--	0.00001	< 0.000010	< 0.000010	--	0.00001	< 0.0000050	< 0.0000050	--	0.00001	0.000062	< 0.0000050	
Calcium (Ca)	3%	0.5	13.2	13.8	4%	0.5	16.4	16.7	2%	0.5	16.5	16.6	1%	0.5	15.4	15.6	1%	0.5	16.5	16.4	
Chromium (Cr)	--	0.0002	< 0.00010	0.00013	--	0.0002	0.00026	< 0.00010	--	0.0002	< 0.0010	< 0.0010	--	0.0002	< 0.00010	< 0.00010	--	0.0002	0.0002	0.00014	
Copper (Cu)	+/-MDL	0.0001	0.000144	0.000199	+/-MDL	0.0001	0.00016	< 0.000050	--	0.0001	< 0.00020	< 0.00020	--	0.0001	0.000092	< 0.000050	--	0.0001	0.000893	0.000061	
Iron (Fe)	1%	0.001	0.0603	0.0608	1%	0.001	0.0858	0.064	29%	0.001	0.0653	0.0619	5%	0.001	0.141	0.138	2%	0.001	0.156	0.14	
Lead (Pb)	36%	0.000005	0.0000333	0.0000566	52%	0.000005	0.000061	0.0000121	>MDL	0.000005	< 0.00020	< 0.00020	--	0.000005	0.0000101	< 0.0000050	--	0.000005	0.000427	0.000092	
Lithium (Li)	+/-MDL	0.0005	0.00164	0.00159	+/-MDL	0.0005	0.00543	0.00533	2%	0.0005	0.005	0.0048	4%	0.0005	0.00205	0.00208	+/-MDL	0.0005	0.00228	0.00215	
Magnesium (Mg)	2%	0.05	5.34	5.33	0%	0.05	8.3	8.1	2%	0.05	7.84	7.76	1%	0.05	6.76	6.79	0%	0.05	7.44	7.3	
Manganese (Mn)	0%	0.00005	0.0577	0.0597	3%	0.00005	0.0549	0.0537	2%	0.00005	0.0513	0.0508	1%	0.00005	0.0336	0.0332	1%	0.00005	0.0329	0.0317	
Mercury (Hg)	--	0.0001	< 0.00001	< 0.00001	--	0.0001	< 0.00001	< 0.00001	--	0.0001	< 0.00001	< 0.00001	--	0.0001	< 0.00001	< 0.00001	--	0.0001	< 0.00001	< 0.00001	
Molybdenum (Mo)	3%	0.00005	0.00446	0.00449	1%	0.00005	0.00672	0.00663	1%	0.00005	0.0067	0.0067	0%	0.00005	0.0111	0.0111	0%	0.00005	0.0113	0.0112	
Nickel (Ni)	19%	0.00002	0.000548	0.000519	5%	0.00002	0.000223	0.000102	74%	0.00002	< 0.0010	< 0.0010	--	0.00002	0.000088	0.000091	+/-MDL	0.00002	0.000266	0.000099	
Potassium (K)	1%	0.05	1.84	1.87	2%	0.05	2.01	1.97	2%	0.05	1.96	1.97	1%	0.05	0.905	0.88	3%	0.05	0.949	0.92	
Selenium (Se)	--	0.00008	< 0.000040	< 0.000040	--	0.00008	0.000098	0.000086	+/-MDL	0.00008	0.00016	0.00015	+/-MDL	0.00008	< 0.000040	< 0.000040	--	0.00008	< 0.000040	< 0.000040	
Silver (Ag)	--	0.000005	0.000006	< 0.0000050	--	0.000005	< 0.0000050	< 0.0000050	--	0.000005	< 0.000020	< 0.000020	--	0.000005	< 0.0000050	< 0.0000050	--	0.000005	< 0.0000050	< 0.0000050	
Sodium (Na)	1%	0.05	3.85	3.84	0%	0.05	23.7	23.4	1%	0.05	22.7	22.8	0%	0.05	18.2	17.9	2%	0.05	19.3	19	
Strontium (Sr)	1%	0.00005	0.0929	0.0944	2%	0.00005	0.171	0.167	2%	0.00005	0.157	0.155	1%	0.00005	0.143	0.143	0%	0.00005	0.142	0.142	
Thallium (Tl)	--	0.000004	< 0.0000020	< 0.0000020	--	0.000004	< 0.0000020	< 0.0000020	--	0.000004	< 0.000010	< 0.000010	--	0.000004	< 0.0000020	< 0.0000020	--	0.000004	< 0.0000020	< 0.0000020	
Tin (Sn)	--	0.0004	0.00034	0.00068	+/-MDL	0.0004	< 0.00020	< 0.00020	--	0.0004	< 0.0050	< 0.0050	--	0.0004	< 0.00020	< 0.00020	--	0.0004	< 0.00020	< 0.00020	
Titanium (Ti)	--	0.001	< 0.00050	< 0.00050	--	0.001	< 0.00050	< 0.00050	--	0.001	< 0.0050	< 0.0050	--	0.001	< 0.00050	< 0.00050	--	0.001	< 0.00050	< 0.00050	
Uranium (U)	1%	0.000002	0.0039	0.00394	1%	0.000002	0.000113	0.00011	3%	0.000002	0.00012	0.00012	0%	0.000002	0.000118	0.00012	2%	0.000002	0.000123	0.000115	
Vanadium (V)	--	0.0002	< 0.00020	< 0.00020	--	0.0002	< 0.00020	< 0.00020	--	0.0002	< 0.0050	< 0.0050	--	0.0002	< 0.00020	< 0.00020	--	0.0002	< 0.00020	< 0.00020	
Zinc (Zn)	>MDL	0.0001	0.00181	0.00176	3%	0.0001	0.00099	0.0003	>MDL	0.0001	< 0.0050	< 0.0050	--	0.0001	0.00074	0.00059	23%	0.0001	0.0154	0.00032	
Nutrients																					
Ammonium as (NH3)	10%	0.00068	0.11	0.11	0%	0.00068	0.2	0.19	5%	0.00068	0.49	0.17	97%	0.00068	0.13	< 0.061	--	0.00068	< 0.061	0.074	
Ammonium (NH4)	11%	0.00068	0.1	0.11	10%	0.00068	0.15	0.15	0%	0.00068	0.41	0.14	98%	0.00068	0.13	< 0.05	--	0.00068	< 0.052	0.072	
Total Nitrogen (Ammonia Nitrogen)	+/-MDL	0.025	0.088	0.093	+/-MDL	0.025	0.16	0.16	0%	0.025	0.4	0.14	96%	0.025	0.1	< 0.050	--	0.025	< 0.050	0.061	
Total Un-ionized Ammonia	0%	0.00068	0.01	0.011	10%	0.00068	0.041	0.04	2%	0.00068	0.08	0.034	81%	0.00068	0.0061	< 0.0029	--	0.00068	< 0.0043	0.0052	
Nitrate + Nitrite (N)	--	0.1	< 0.10	< 0.10	--	0.1	< 0.10	< 0.10	--	0.1	< 0.10	< 0.10	--	0.1	< 0.10	< 0.10	--	0.1	< 0.10	< 0.10	
Nitrate (N)	--	0.1	< 0.10	< 0.10	--	0.1	< 0.10	< 0.10	--	0.1	< 0.10	< 0.10	--	0.1	< 0.10	< 0.10	--	0.1	< 0.10	< 0.10	
Nitrite (N)	--	0.01	< 0.010	< 0.010	--	0.01	< 0.010	< 0.010	--	0.01	< 0.010	< 0.010	--	0.01	< 0.010	< 0.010	--	0.01	< 0.010	< 0.010	
Orthophosphate (P)	6%	0.001	0.017	0.019	11%	0.001	0.023	0.023	0%	0.001	0.027	0.027	0%	0.001	0.018	0.019	5%	0.001	0.019	0.021	
Total Kjeldahl Nitrogen (TKN)	+/-MDL	1	0.12	0.15	+/-MDL	1	0.24	0.25	+/-MDL	1	0.34	0.22	+/-MDL	1	0.12	0.13	+/-MDL	1	< 0.10	0.12	
Phosphorus (P)	7%	0.001	0.019	0.015	24%	0.001	0.03	0.027	11%	0.001	0.03	0.03	0%	0.001	0.017	0.017	0%	0.001	0.027	0.021	
Cyanide																					
Total Cyanide (CN)	--	0.0005	< 0.00050	< 0.00050	--	0.0005	< 0.00050	< 0.00050	--	0.0005	< 0.00050	< 0.00050	--	0.0005	< 0.00050	< 0.00050	--	0.0005	< 0.00050	< 0.00050	
Free Cyanide (CN)	>MDL	0.002	0.0051	0.0067	+/-MDL	0.002	0.0031	< 0.0020	--	0.002	< 0.0020	< 0.0020	--	0.002	< 0.0020	0.0028	--	0.002	0.0053	0.0074	
WAD Cyanide (Free)	--	0.0005	< 0.00050	< 0.00050	--	0.0005	< 0.00050	0.00063	--	0.0005	< 0.00050	< 0.00050	--	0.0005	0.00055	0.00063	+/-MDL	0.0005	< 0.00050	< 0.00050	

Notes:
 MDL = Method Detection Limit
 RPD = Relative Percent Difference
 RPD value exceeds 20% or >MDL
 -- not calculated (one or both result below MDL)
 - parameter was not analyzed

APPENDIX B

Table B-2: 2023 Groundwater Monitoring Program QA/QC Results
Agnico Eagle Mines Limited, Meadowbank Mine, Nunavut

BV Labs ID	RPD	MDL	WNL092	WNL093	WZR821	WZR822
Sampling Date			22-juil-2023	22-juil-2023	10-sept-2023	10-sept-2023
COC Number			Field Blank	Trip Blank	Field Blank	Trip Blank
WSP ID			FB-23-1	TB-23-1	MW-IPD-01-FB	MW-IPD-01-TB
CONVENTIONALS						
General Chemistry						
Alkalinity (Total as CaCO3)	0%	1.0	< 1.0	< 1.0	< 1.0	< 1.0
Bicarb. Alkalinity (calc. as CaCO3)	0%	1.0	< 1.0	< 1.0	< 1.0	< 1.0
Carb. Alkalinity (calc. as CaCO3)	--	1.0	< 1.0	< 1.0	< 1.0	< 1.0
Conductivity	0%	1.0	1.4	1.4	1.5	1.7
Dissolved Organic Carbon	+/-MDL	0.40	< 0.40	< 0.40	< 0.40	< 0.40
Dissolved Hardness (CaCO3)	2%	0.50	< 0.50	< 0.50	< 0.50	< 0.50
Reactive Silica (SiO2)	0%	0.050	< 0.050	< 0.050	< 0.050	< 0.050
Sodium Adsorbtion Ratio (Salinity in water)	+/-MDL	-	-	-	-	-
Total Dissolved Solids (measured)	14%	10	< 10	< 10	< 10	< 10
Total Organic Carbon (TOC)	+/-MDL	0.40	< 0.40	< 0.40	0.41	< 0.40
Total Suspended Solids	--	1	< 1	< 1	< 1	< 1
Turbidity	+/-MDL	0.1	< 0.1	< 0.1	< 0.1	< 0.1
Anions						
Bromide (Br-)	--	1.0	< 1.0	< 1.0	< 1.0	< 1.0
Chloride (Cl-)	+/-MDL	1.0	< 1.0	< 1.0	< 1.0	< 1.0
Fluoride (F-)	0%	0.10	< 0.10	< 0.10	< 0.10	< 0.10
Dissolved Sulphate (SO4)	7%	0.50	< 0.50	< 0.50	1.6	< 0.50
Total Metals						
Aluminum (Al)	10%	0.00050	< 0.00050	0.00126	< 0.00050	< 0.00050
Antimony (Sb)	--	0.000020	< 0.000020	< 0.000020	< 0.000020	< 0.000020
Arsenic (As)	0%	0.000020	0.000099	< 0.000020	< 0.000020	< 0.000020
Barium (Ba)	8%	0.000020	< 0.000020	< 0.000020	< 0.000020	< 0.000020
Beryllium (Be)	--	0.000010	< 0.000010	< 0.000010	< 0.000010	< 0.000010
Bismuth (Bi)	--	0.0000050	< 0.0000050	< 0.0000050	< 0.0000050	< 0.0000050
Boron (B)	3%	0.01	< 0.01	< 0.01	< 0.01	< 0.01
Cadmium (Cd)	--	0.0000050	< 0.0000050	< 0.0000050	< 0.0000050	< 0.0000050
Calcium (Ca)	2%	0.050	< 0.050	< 0.050	< 0.050	< 0.050
Chromium (Cr)	9%	0.00010	0.0123	< 0.00010	< 0.00010	< 0.00010
Copper (Cu)	+/-MDL	0.000050	< 0.000050	< 0.000050	< 0.000050	< 0.000050
Iron (Fe)	5%	0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010
Lead (Pb)	6%	0.0000050	< 0.0000050	< 0.0000050	< 0.0000050	< 0.0000050
Lithium (Li)	+/-MDL	0.00050	< 0.00050	< 0.00050	< 0.00050	< 0.00050
Magnesium (Mg)	1%	0.050	< 0.050	< 0.050	< 0.050	< 0.050
Manganese (Mn)	1%	0.000050	0.000064	< 0.000050	< 0.000050	< 0.000050
Mercury (Hg)	--	0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001
Molybdenum (Mo)	1%	0.000050	0.0119	< 0.000050	< 0.000050	< 0.000050
Nickel (Ni)	5%	0.000050	0.0561	< 0.000020	0.000029	< 0.000020
Potassium (K)	1%	0.050	< 0.050	< 0.050	< 0.050	< 0.050
Selenium (Se)	--	0.000040	< 0.000040	< 0.000040	< 0.000040	< 0.000040
Silver (Ag)	+/-MDL	0.0000050	< 0.0000050	< 0.0000050	< 0.0000050	< 0.0000050
Sodium (Na)	1%	0.050	< 0.050	< 0.050	< 0.050	< 0.050
Strontium (Sr)	1%	0.000050	< 0.000050	< 0.000050	< 0.000050	< 0.000050
Thallium (Tl)	--	0.0000020	< 0.0000020	< 0.0000020	< 0.0000020	< 0.0000020
Tin (Sn)	--	0.00020	< 0.00020	< 0.00020	< 0.00020	< 0.00020
Titanium (Ti)	--	0.00050	< 0.00050	< 0.00050	< 0.00050	< 0.00050
Uranium (U)	3%	0.0000020	< 0.0000020	< 0.0000020	< 0.0000020	0.0000020
Vanadium (V)	--	0.00020	< 0.00020	< 0.00020	< 0.00020	< 0.00020
Zinc (Zn)	79%	0.00010	< 0.00010	0.00022	0.00011	< 0.00010

APPENDIX B

Table B-2: 2023 Groundwater Monitoring Program QA/QC Results
Agnico Eagle Mines Limited, Meadowbank Mine, Nunavut

BV Labs ID	RPD	MDL	WNL092	WNL093	WZR821	WZR822
Sampling Date			22-juil-2023	22-juil-2023	10-sept-2023	10-sept-2023
COC Number			Field Blank	Trip Blank	Field Blank	Trip Blank
WSP ID			FB-23-1	TB-23-1	MW-IPD-01-FB	MW-IPD-01-TB
Dissolved Metals						
Aluminum (Al)	184%	0.00050	< 0.00050	< 0.00050	< 0.00050	< 0.00050
Antimony (Sb)	--	0.000020	< 0.000020	< 0.000020	< 0.000020	< 0.000020
Arsenic (As)	3%	0.000020	0.000023	< 0.000020	< 0.000020	< 0.000020
Barium (Ba)	15%	0.000020	< 0.000020	< 0.000020	< 0.000020	< 0.000020
Beryllium (Be)	--	0.000010	< 0.000010	< 0.000010	< 0.000010	< 0.000010
Bismuth (Bi)	--	0.0000050	< 0.0000050	< 0.0000050	< 0.0000050	< 0.0000050
Boron (B)	3%	0.01	< 0.01	< 0.01	< 0.01	< 0.01
Cadmium (Cd)	--	0.0000050	< 0.0000050	< 0.0000050	< 0.0000050	< 0.0000050
Calcium (Ca)	1%	0.050	< 0.050	< 0.050	< 0.050	< 0.050
Chromium (Cr)	+/-MDL	0.00010	< 0.00010	< 0.00010	< 0.00010	< 0.00010
Copper (Cu)	>MDL	0.000050	< 0.000050	< 0.000050	< 0.000050	< 0.000050
Iron (Fe)	11%	0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010
Lead (Pb)	>MDL	0.0000050	< 0.0000050	< 0.0000050	< 0.0000050	< 0.0000050
Lithium (Li)	+/-MDL	0.00050	< 0.00050	< 0.00050	< 0.00050	< 0.00050
Magnesium (Mg)	2%	0.050	< 0.050	< 0.050	< 0.050	< 0.050
Manganese (Mn)	4%	0.000050	< 0.000050	0.000070	< 0.000050	< 0.000050
Mercury (Hg)	--	0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001
Molybdenum (Mo)	1%	0.000050	< 0.000050	< 0.000050	< 0.000050	< 0.000050
Nickel (Ni)	>MDL	0.000020	< 0.000020	< 0.000020	< 0.000020	< 0.000020
Potassium (K)	3%	0.050	< 0.050	< 0.050	< 0.050	< 0.050
Selenium (Se)	--	0.000040	< 0.000040	< 0.000040	< 0.000040	< 0.000040
Silver (Ag)	--	0.0000050	< 0.0000050	< 0.0000050	< 0.0000050	< 0.0000050
Sodium (Na)	2%	0.050	< 0.050	< 0.050	< 0.050	< 0.050
Strontium (Sr)	0%	0.000050	< 0.000050	< 0.000050	< 0.000050	< 0.000050
Thallium (Tl)	--	0.0000020	< 0.0000020	< 0.0000020	< 0.0000020	< 0.0000020
Tin (Sn)	--	0.00020	< 0.00020	< 0.00020	< 0.00020	< 0.00020
Titanium (Ti)	--	0.00050	< 0.00050	< 0.00050	< 0.00050	< 0.00050
Uranium (U)	7%	0.0000020	< 0.0000020	< 0.0000020	< 0.0000020	< 0.0000020
Vanadium (V)	--	0.00020	< 0.00020	< 0.00020	< 0.00020	< 0.00020
Zinc (Zn)	>MDL	0.00010	< 0.00010	0.00012	< 0.00010	< 0.00010
Nutrients						
Ammonium as (NH3)	--	0.061	< 0.061	< 0.061	< 0.061	< 0.061
Ammonium (NH4)	--	-	-	-	-	-
Total Nitrogen (Ammonia Nitrogen)	--	0.050	< 0.050	< 0.050	< 0.050	< 0.050
Total Un-ionized Ammonia	--	-	-	-	-	-
Nitrate + Nitrite (N)	--	0.10	< 0.10	< 0.10	< 0.10	< 0.10
Nitrate (N)	--	0.10	< 0.10	< 0.10	< 0.10	< 0.10
Nitrite (N)	--	0.010	< 0.010	< 0.010	< 0.010	< 0.010
Orthophosphate (P)	10%	0.010	< 0.010	< 0.010	< 0.010	< 0.010
Total Kjeldahl Nitrogen (TKN)	--	0.10	< 0.10	< 0.10	0.10	< 0.10
Phosphorus (P)	25%	0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010
Cyanide						
Total Cyanide (CN)	--	0.00050	0.00066	0.00057	< 0.00050	< 0.00050
Free Cyanide (CN)	>MDL	0.0020	< 0.0020	< 0.0020	0.0025	0.0023
WAD Cyanide (Free)	--	0.00050	< 0.00050	< 0.00050	< 0.00050	< 0.00050

Notes:

MDL = Method Detection Limit

RPD = Relative Percent Difference

RPD value exceeds 20% or >MDL

-- not calculated (one or both result below MDL)

- parameter was not analyzed

APPENDIX C

2023 Laboratory Certificates of Analysis



eCOC: T738239



Expected TAT: Standard TAT
 Expected Arrival: 2023/07/27 14:00
 Submitted By: Rowan Woodall
 Submitted To: Mississauga, ON (Env. Lab)

Invoice Information

Attn: Accounts Payable
 Agnico Eagle
 Meadowbank
 Keewatin , NU , POX 0A1
 Email to:
 invoices.meadowbank@agnicoeagle.com

Report Information

Attn: Reporting
 Agnico Eagle
 Meadowbank
 Keewatin , NU , POX 0A1
 Email to:
 meadowbank.environment@agnicoeagle.com
 agnico.equis@agnicoeagle.com

Project Information

Quote #: C05143
 PO/AFE#: 1248940
 Project #: MBK GW
 Site Location:

Analytical Summary

A: Standard TAT

Groundwater Monitoring

Client Sample ID	Clnt Ref	Sampling Date/Time	Matrix	#Cont	
MW-IPD-09a	1	2023/07/19 13:45	GROU ND WATER	14	A
MW-IPD-09b	2	2023/07/19 13:45	GROU ND WATER	14	A
MW-IPD-07a	3	2023/07/20 14:00	GROU ND WATER	14	A
MW-IPD-07b	4	2023/07/20 14:00	GROU ND WATER	14	A
MW-IPD-01(s)a	5	2023/07/21 14:00	GROU ND WATER	14	A
MW-IPD-01(s)b	6	2023/07/21 14:00	GROU ND WATER	14	A
MW-IPD-01(d)a	7	2023/07/22 15:30	GROU ND WATER	14	A
MW-IPD-01(d)b	8	2023/07/22 15:30	GROU ND WATER	14	A
MW-16-01a	9	2023/07/23 15:00	GROU ND WATER	14	A
MW-16-01b	10	2023/07/23 15:00	GROU ND WATER	14	A
FB-23-1	11	2023/07/22	WATER	14	A
TB-23-1	12	2023/07/22	WATER	14	A

Deadlines are estimates only and are subject to change. Please refer to your Job Confirmation report for final due dates.



eCOC: T738239



Expected TAT:	Standard TAT
Expected Arrival:	2023/07/27 14:00
Submitted By:	Rowan Woodall
Submitted To:	Mississauga, ON (Env. Lab)

Submission Information

of Samples: 12

Field Data		DISSOLVED METALS FIELD FILTERED?	FIELD PH	FIELD TEMPERATURE (°C)	SAMPLER NAME
Client Sample ID	Matrix				
MW-IPD-09a	GRWTR	Yes	8.19	20.11	IW
MW-IPD-09b	GRWTR	Yes	8.19	20.11	IW
MW-IPD-07a	GRWTR	Yes	8.90	21.17	IW
MW-IPD-07b	GRWTR	Yes	8.90	21.17	IW
MW-IPD-01(s)a	GRWTR	Yes	8.5	23.28	IW
MW-IPD-01(s)b	GRWTR	Yes	8.5	23.28	IW
MW-IPD-01(d)a	GRWTR	Yes	8.35	24.44	IW
MW-IPD-01(d)b	GRWTR	Yes	8.35	24.44	IW
MW-16-01a	GRWTR	Yes	7.54	14.59	IW
MW-16-01b	GRWTR	Yes	7.54	14.59	IW

APPENDIX C-I ANALYTICAL REPORT NO. C3M6503

Monitoring Location	WSP Sample ID	Lab Sample ID
MW-IPD-09	MW-IPD-09A	WNL082
	MW-IPD-09B	WNL083
MW-IPD-07	MW-IPD-07A	WNL084
	MW-IPD-07B	WNL085
MW-IPD-01(S)	MW-IPD-01(S)A	WNL086
	MW-IPD-01(S)B	WNL087
MW-IPD-01(D)	MW-IPD-01(D)A	WNL088
	MW-IPD-01(D)B	WNL089
MW-16-01	MW-16-01A	WNL090
	MW-16-01B	WNL091
Field Blank	FB-23-1	WNL092
Trip Blank	TB-23-1	WNL093



Your P.O. #: 1248940
 Your Project #: MBK GW
 Your C.O.C. #: 738239

Attention: Reporting

Agnico Eagle
 Meadowbank
 Meadowbank
 Keewatin, NU
 CANADA POX 0A1

Report Date: 2023/08/11
 Report #: R7760776
 Version: 1 - Final

CERTIFICATE OF ANALYSIS

BUREAU VERITAS JOB #: C3M6503

Received: 2023/07/28, 08:40

Sample Matrix: Ground Water
 # Samples Received: 12

Analyses	Quantity	Date Extracted	Date Analyzed	Laboratory Method	Analytical Method
Alkalinity (1)	12	N/A	2023/08/01	CAM SOP-00448	SM 23 2320 B m
Carbonate, Bicarbonate and Hydroxide (1)	12	N/A	2023/08/01	CAM SOP-00102	APHA 4500-CO2 D
Anions (1)	12	N/A	2023/07/31	CAM SOP-00435	SM 23 4110 B m
Chloride by Automated Colourimetry (1)	12	N/A	2023/07/31	CAM SOP-00463	SM 23 4500-Cl E m
Conductivity (1)	12	N/A	2023/08/01	CAM SOP-00414	SM 23 2510 m
Dissolved Organic Carbon (DOC) (1, 4)	12	N/A	2023/07/31	CAM SOP-00446	SM 23 5310 B m
Fluoride (1)	12	2023/07/29	2023/08/01	CAM SOP-00449	SM 23 4500-F C m
Mercury in Water by CVAA (1)	2	2023/08/03	2023/08/03	CAM SOP-00453	EPA 7470A m
Dissolved Mercury (low level) (1)	12	2023/07/31	2023/08/01	CAM SOP-00453	EPA 7470 m
Mercury (low level) (1)	4	2023/08/01	2023/08/02	CAM SOP-00453	EPA 7470 m
Mercury (low level) (1)	6	2023/08/02	2023/08/02	CAM SOP-00453	EPA 7470 m
Lab Filtered Metals Analysis by ICP (1)	12	2023/07/29	2023/08/01	CAM SOP-00408	EPA 6010D m
Low Level Chloride and Sulphate by AC (2)	12	N/A	2023/08/08	AB SOP-00020 / AB SOP-00018	SM24 4500-CL/SO4-E m
Cyanide (Free) (2)	12	N/A	2023/08/03	CAL SOP-00266	EPA 9016d R0 m
Cyanide, Strong Acid Dissociable (SAD) (2)	12	2023/08/04	2023/08/08	CAL SOP-00270	SM 23 4500-CN m
Cyanide WAD (weak acid dissociable) (2)	12	N/A	2023/08/08	CAL SOP-00270	SM 23 4500-CN m
Hardness Total (calculated as CaCO3) (3, 5)	12	N/A	2023/08/04	BBY WI-00033	Auto Calc
Na, K, Ca, Mg, S by CRC ICPMS (diss.) (3)	12	N/A	2023/08/04	BBY WI-00033	Auto Calc
Elements by ICPMS Low Level (dissolved) (3)	12	N/A	2023/08/03	BBY7SOP-00002 / CAL SOP-00265	EPA 6020B R2 m
Na, K, Ca, Mg, S by CRC ICPMS (total) (3)	12	N/A	2023/08/04	BBY WI-00033	Auto Calc
Elements by ICPMS Low Level (total) (3)	12	N/A	2023/08/04	BBY7SOP-00002 / CAL SOP-00265	EPA 6020B R2 m
Silica (Reactive) (2)	10	N/A	2023/08/08	AB SOP-00011	EPA370.1 R1978 m
Silica (Reactive) (2)	2	N/A	2023/08/09	AB SOP-00011	EPA370.1 R1978 m
Total Phosphorus Low Level Total (2)	12	2023/08/04	2023/08/05	AB SOP-00024	SM 24 4500-P A,B,F m
Total Ammonia (as NH3) (1)	12	N/A	2023/08/03	Auto Calc.	
Ammonium as NH4+ (1)	9	N/A	2023/08/11		
Ammonium as NH4+ (1)	1	N/A	2023/08/03		
Total Ammonia-N (1)	12	N/A	2023/08/03	CAM SOP-00441	USGS I-2522-90 m



Your P.O. #: 1248940
 Your Project #: MBK GW
 Your C.O.C. #: 738239

Attention: Reporting

Agnico Eagle
 Meadowbank
 Meadowbank
 Keewatin, NU
 CANADA POX 0A1

Report Date: 2023/08/11
 Report #: R7760776
 Version: 1 - Final

CERTIFICATE OF ANALYSIS

BUREAU VERITAS JOB #: C3M6503

Received: 2023/07/28, 08:40

Sample Matrix: Ground Water
 # Samples Received: 12

Analyses	Quantity	Date Extracted	Date Analyzed	Laboratory Method	Analytical Method
Nitrate & Nitrite as Nitrogen in Water (1, 6)	12	N/A	2023/07/31	CAM SOP-00440	SM 23 4500-NO3I/NO2B
pH (1)	12	2023/07/29	2023/08/01	CAM SOP-00413	SM 4500H+ B m
Field Measured pH (1, 7)	1	N/A	2023/07/28		Field pH Meter
Field Measured pH (1, 7)	9	N/A	2023/08/11		Field pH Meter
Orthophosphate (1)	12	N/A	2023/07/31	CAM SOP-00461	SM 23 4500-P E m
Redox Potential (1, 8)	12	2023/07/31	2023/08/01	CAM SOP-00421	SM 2580 B
Sodium Adsorption Ratio (SAR) (1)	12	N/A	2023/08/03	CAM SOP-00102	EPA 6010C
Total Dissolved Solids (TDS calc) (1)	12	N/A	2023/08/11		Auto Calc
Total Dissolved Solids (1)	12	2023/08/01	2023/08/02	CAM SOP-00428	SM 23 2540C m
Field Temperature (1, 7)	1	N/A	2023/07/28		Field Thermometer
Field Temperature (1, 7)	9	N/A	2023/08/11		Field Thermometer
Total Kjeldahl Nitrogen in Water (1)	12	2023/08/02	2023/08/03	CAM SOP-00938	OMOE E3516 m
Total Organic Carbon (TOC) (1, 9)	12	N/A	2023/08/02	CAM SOP-00446	SM 23 5310B m
Low Level Total Suspended Solids (1)	12	2023/08/01	2023/08/02	CAM SOP-00428	SM 23 2540D m
Turbidity (1)	12	N/A	2023/07/29	CAM SOP-00417	SM 23 2130 B m
Un-ionized Ammonia (as N) (1, 10)	9	2023/07/29	2023/08/11	Calculation	Calculation
Un-ionized Ammonia (as N) (1, 10)	1	2023/07/29	2023/08/03	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, MELCCFP, 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.



Your P.O. #: 1248940
Your Project #: MBK GW
Your C.O.C. #: 738239

Attention: Reporting

Agnico Eagle
Meadowbank
Meadowbank
Keewatin, NU
CANADA P0X 0A1

Report Date: 2023/08/11
Report #: R7760776
Version: 1 - Final

CERTIFICATE OF ANALYSIS

BUREAU VERITAS JOB #: C3M6503

Received: 2023/07/28, 08:40

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) Dissolved Organic Carbon (DOC) present in the sample should be considered as non-purgeable DOC.
- (5) "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).
- (6) Values for calculated parameters may not appear to add up due to rounding of raw data and significant figures.
- (7) This is a field test, therefore, the results relate to items that were not analysed at Bureau Veritas.
- (8) Oxidation-Reduction Potential (ORP) values are determined using a Ag/AgCl reference electrode. The test is therefore, not SCC accredited for this matrix.
- (9) Total Organic Carbon (TOC) present in the sample should be considered as non-purgeable TOC.
- (10) 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

=====
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

Bureau Veritas Job #: C3M6503
Report Date: 2023/08/11

Agnico Eagle
Client Project #: MBK GW
Your P.O. #: 1248940
Sampler Initials: IW

RESULTS OF ANALYSES OF GROUND WATER

Bureau Veritas ID		WNL082			WNL082			WNL083		
Sampling Date		2023/07/19 13:45			2023/07/19 13:45			2023/07/19 13:45		
COC Number		738239			738239			738239		
	UNITS	MW-IPD-09a	RDL	QC Batch	MW-IPD-09a Lab-Dup	RDL	QC Batch	MW-IPD-09B	RDL	QC Batch

Calculated Parameters										
Total Ammonia (as NH3)	mg/L	0.13	0.061	8821194				<0.061	0.061	8821194
Ammonium (NH4)	mg/L	0.13	0.0036	8821195				<0.05	0.05	8821195
Bicarb. Alkalinity (calc. as CaCO3)	mg/L	72	1.0	8821192				72	1.0	8821192
Calculated TDS	mg/L	150	1.0	8821191				140	1.0	8821191
Carb. Alkalinity (calc. as CaCO3)	mg/L	<1.0	1.0	8821192				<1.0	1.0	8821192
Sodium Adsorption Ratio	N/A	1.1		8821193				1.1		8821193

CONVENTIONALS										
Redox Potential	mV	330	N/A	8822605				350	N/A	8822605

Field Measurements										
Field Temperature	Celsius	20.11	N/A	ONSITE				20.11	N/A	ONSITE
Field Measured pH	pH	8.19		ONSITE				8.19		ONSITE

Inorganics										
Total Ammonia-N	mg/L	0.10	0.050	8823472				<0.050	0.050	8823472
Conductivity	umho/cm	230	1.0	8821553				230	1.0	8821553
Free Cyanide (CN)	ug/L	<2.0 (1)	2.0	8842192				2.8 (1)	2.0	8842192
Strong Acid Dissoc. Cyanide (CN)	mg/L	<0.00050 (2)	0.00050	8842193				<0.00050 (3)	0.00050	8842193
Weak Acid Dissoc. Cyanide (CN)	mg/L	0.00055 (4)	0.00050	8842194				0.00063 (5)	0.00050	8842194
Total Dissolved Solids	mg/L	145	10	8825404				130	10	8825404
Fluoride (F-)	mg/L	1.1	0.10	8821555				1.1	0.10	8821555
Total Kjeldahl Nitrogen (TKN)	mg/L	0.12	0.10	8828284				0.13	0.10	8828284

RDL = Reportable Detection Limit
 QC Batch = Quality Control Batch
 Lab-Dup = Laboratory Initiated Duplicate
 N/A = Not Applicable

(1) 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.
 Sample was analyzed after holding time expired.

(2) Sample was analyzed after holding time expired. SAD Cyanide < WAD Cyanide: Both values fall within the method uncertainty for duplicates and are likely equivalent.

(3) SAD Cyanide < Free Cyanide: Both values fall within the method uncertainty for duplicates and are likely equivalent. SAD Cyanide < WAD Cyanide: Both values fall within the method uncertainty for duplicates and are likely equivalent.

(4) Sample was analyzed after holding time expired.

(5) Sample was analyzed after holding time expired. WAD Cyanide < Free Cyanide: Both values fall within the method uncertainty for duplicates and are likely equivalent.



BUREAU
VERITAS

Bureau Veritas Job #: C3M6503
Report Date: 2023/08/11

Agnico Eagle
Client Project #: MBK GW
Your P.O. #: 1248940
Sampler Initials: IW

RESULTS OF ANALYSES OF GROUND WATER

Bureau Veritas ID		WNL082			WNL082			WNL083		
Sampling Date		2023/07/19 13:45			2023/07/19 13:45			2023/07/19 13:45		
COC Number		738239			738239			738239		
	UNITS	MW-IPD-09a	RDL	QC Batch	MW-IPD-09a Lab-Dup	RDL	QC Batch	MW-IPD-09B	RDL	QC Batch
Dissolved Organic Carbon	mg/L	0.91	0.40	8822835				0.91	0.40	8822724
Total Organic Carbon (TOC)	mg/L	1.1	0.40	8828008				1.1	0.40	8828008
Orthophosphate (P)	mg/L	0.018	0.010	8821534				0.019	0.010	8821534
pH	pH	8.10		8821554				8.11		8821554
Total Phosphorus (P)	mg/L	0.017	0.0010	8842195				0.017	0.0010	8842195
Reactive Silica (SiO2)	mg/L	9.0 (1)	0.10	8841947				10	0.10	8842196
Total Suspended Solids	mg/L	<1	1	8823405	<1	1	8823405	<1	1	8823405
Turbidity	NTU	0.3	0.1	8821429				0.3	0.1	8821429
Alkalinity (Total as CaCO3)	mg/L	73	1.0	8821552				73	1.0	8821552
Dissolved Chloride (Cl-)	mg/L	1.7	1.0	8821536				<1.0	1.0	8821536
Nitrite (N)	mg/L	<0.010	0.010	8821547				<0.010	0.010	8821547
Nitrate (N)	mg/L	<0.10	0.10	8821547				<0.10	0.10	8821547
Dissolved Sulphate (SO4)	mg/L	39	0.50	8841946				39	0.50	8841946
Nitrate + Nitrite (N)	mg/L	<0.10	0.10	8821547				<0.10	0.10	8821547
Bromide (Br-)	mg/L	<1.0	1.0	8820041				<1.0	1.0	8820041
Un-ionized Ammonia (as N)	mg/L	0.0061	0.0029	8821196				<0.0029	0.0029	8821196
Metals										
Dissolved Aluminum (Al)	ug/L	3.44	0.50	8834723				2.15	0.50	8834723
Total Aluminum (Al)	ug/L	5.22	0.50	8842348	5.02	0.50	8842348	5.68	0.50	8842348
Dissolved Antimony (Sb)	ug/L	<0.020	0.020	8834723				<0.020	0.020	8834723
Total Antimony (Sb)	ug/L	<0.020	0.020	8842348	<0.020	0.020	8842348	<0.020	0.020	8842348
Dissolved Arsenic (As)	ug/L	20.6	0.020	8834723				20.4	0.020	8834723
Total Arsenic (As)	ug/L	20.5	0.020	8842348	20.6	0.020	8842348	20.7	0.020	8842348
Dissolved Barium (Ba)	ug/L	0.762	0.020	8834723				0.740	0.020	8834723
Total Barium (Ba)	ug/L	0.730	0.020	8842348	0.710	0.020	8842348	2.31	0.020	8842348
Dissolved Beryllium (Be)	ug/L	<0.010	0.010	8834723				<0.010	0.010	8834723
Total Beryllium (Be)	ug/L	<0.010	0.010	8842348	<0.010	0.010	8842348	<0.010	0.010	8842348
Dissolved Bismuth (Bi)	ug/L	<0.0050	0.0050	8834723				<0.0050	0.0050	8834723
Total Bismuth (Bi)	ug/L	<0.0050	0.0050	8842348	<0.0050	0.0050	8842348	<0.0050	0.0050	8842348
Dissolved Boron (B)	ug/L	86	10	8834723				90	10	8834723

RDL = Reportable Detection Limit

QC Batch = Quality Control Batch

Lab-Dup = Laboratory Initiated Duplicate

(1) Detection limits raised due to matrix interference.



BUREAU
VERITAS

Bureau Veritas Job #: C3M6503
Report Date: 2023/08/11

Agnico Eagle
Client Project #: MBK GW
Your P.O. #: 1248940
Sampler Initials: IW

RESULTS OF ANALYSES OF GROUND WATER

Bureau Veritas ID		WNL082			WNL082			WNL083		
Sampling Date		2023/07/19 13:45			2023/07/19 13:45			2023/07/19 13:45		
COC Number		738239			738239			738239		
	UNITS	MW-IPD-09a	RDL	QC Batch	MW-IPD-09a Lab-Dup	RDL	QC Batch	MW-IPD-09B	RDL	QC Batch
Total Boron (B)	ug/L	86	10	8842348	88	10	8842348	90	10	8842348
Dissolved Cadmium (Cd)	ug/L	<0.0050	0.0050	8834723				<0.0050	0.0050	8834723
Total Cadmium (Cd)	ug/L	<0.0050	0.0050	8842348	<0.0050	0.0050	8842348	<0.0050	0.0050	8842348
Dissolved Chromium (Cr)	ug/L	<0.10	0.10	8834723				<0.10	0.10	8834723
Total Chromium (Cr)	ug/L	0.17	0.10	8842348	0.16	0.10	8842348	0.21	0.10	8842348
Dissolved Copper (Cu)	ug/L	0.092	0.050	8834723				<0.050	0.050	8834723
Total Copper (Cu)	ug/L	0.174	0.050	8842348	0.189	0.050	8842348	<0.050	0.050	8842348
Dissolved Iron (Fe)	ug/L	141	1.0	8834723				138	1.0	8834723
Total Iron (Fe)	ug/L	159	1.0	8842348	158	1.0	8842348	165	1.0	8842348
Dissolved Lead (Pb)	ug/L	0.0101	0.0050	8834723				<0.0050	0.0050	8834723
Total Lead (Pb)	ug/L	0.0158	0.0050	8842348	0.0162	0.0050	8842348	0.0198	0.0050	8842348
Dissolved Lithium (Li)	ug/L	2.05	0.50	8834723				2.08	0.50	8834723
Total Lithium (Li)	ug/L	2.00	0.50	8842348	2.02	0.50	8842348	2.00	0.50	8842348
Dissolved Manganese (Mn)	ug/L	33.6	0.050	8834723				33.2	0.050	8834723
Total Manganese (Mn)	ug/L	34.5	0.050	8842348	34.5	0.050	8842348	34.7	0.050	8842348
Dissolved Molybdenum (Mo)	ug/L	11.1	0.050	8834723				11.1	0.050	8834723
Total Molybdenum (Mo)	ug/L	11.2	0.050	8842348	11.3	0.050	8842348	11.4	0.050	8842348
Dissolved Nickel (Ni)	ug/L	0.088	0.020	8834723				0.091	0.020	8834723
Total Nickel (Ni)	ug/L	0.272	0.020	8842348	0.258	0.020	8842348	0.280	0.020	8842348
Dissolved Selenium (Se)	ug/L	<0.040	0.040	8834723				<0.040	0.040	8834723
Total Selenium (Se)	ug/L	<0.040	0.040	8842348	<0.040	0.040	8842348	<0.040	0.040	8842348
Dissolved Silver (Ag)	ug/L	<0.0050	0.0050	8834723				<0.0050	0.0050	8834723
Total Silver (Ag)	ug/L	<0.0050	0.0050	8842348	<0.0050	0.0050	8842348	<0.0050	0.0050	8842348
Dissolved Strontium (Sr)	ug/L	143	0.050	8834723				143	0.050	8834723
Total Strontium (Sr)	ug/L	135	0.050	8842348	135	0.050	8842348	137	0.050	8842348
Dissolved Thallium (Tl)	ug/L	<0.0020	0.0020	8834723				<0.0020	0.0020	8834723
Total Thallium (Tl)	ug/L	<0.0020	0.0020	8842348	<0.0020	0.0020	8842348	<0.0020	0.0020	8842348
Dissolved Tin (Sn)	ug/L	<0.20	0.20	8834723				<0.20	0.20	8834723
Total Tin (Sn)	ug/L	<0.20	0.20	8842348	<0.20	0.20	8842348	<0.20	0.20	8842348
Dissolved Titanium (Ti)	ug/L	<0.50	0.50	8834723				<0.50	0.50	8834723
Total Titanium (Ti)	ug/L	<0.50	0.50	8842348	<0.50	0.50	8842348	<0.50	0.50	8842348

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



**BUREAU
VERITAS**

Bureau Veritas Job #: C3M6503
Report Date: 2023/08/11

Agnico Eagle
Client Project #: MBK GW
Your P.O. #: 1248940
Sampler Initials: IW

RESULTS OF ANALYSES OF GROUND WATER

Bureau Veritas ID		WNL082			WNL082			WNL083		
Sampling Date		2023/07/19 13:45			2023/07/19 13:45			2023/07/19 13:45		
COC Number		738239			738239			738239		
	UNITS	MW-IPD-09a	RDL	QC Batch	MW-IPD-09a Lab-Dup	RDL	QC Batch	MW-IPD-09B	RDL	QC Batch
Dissolved Uranium (U)	ug/L	0.118	0.0020	8834723				0.120	0.0020	8834723
Total Uranium (U)	ug/L	0.124	0.0020	8842348	0.122	0.0020	8842348	0.121	0.0020	8842348
Dissolved Vanadium (V)	ug/L	<0.20	0.20	8834723				<0.20	0.20	8834723
Total Vanadium (V)	ug/L	<0.20	0.20	8842348	<0.20	0.20	8842348	<0.20	0.20	8842348
Dissolved Zinc (Zn)	ug/L	0.74	0.10	8834723				0.59	0.10	8834723
Total Zinc (Zn)	ug/L	<0.10	0.10	8842348	0.11	0.10	8842348	0.23	0.10	8842348
Dissolved Calcium (Ca)	mg/L	15.4	0.050	8842349				15.6	0.050	8842349
Total Calcium (Ca)	mg/L	16.0	0.050	8842347				16.2	0.050	8842347
Dissolved Magnesium (Mg)	mg/L	6.76	0.050	8842349				6.79	0.050	8842349
Total Magnesium (Mg)	mg/L	6.56	0.050	8842347				6.76	0.050	8842347
Dissolved Potassium (K)	mg/L	0.905	0.050	8842349				0.880	0.050	8842349
Total Potassium (K)	mg/L	0.883	0.050	8842347				0.879	0.050	8842347
Dissolved Sodium (Na)	mg/L	18.2	0.050	8842349				17.9	0.050	8842349
Total Sodium (Na)	mg/L	18.6	0.050	8842347				18.5	0.050	8842347
RDL = Reportable Detection Limit QC Batch = Quality Control Batch Lab-Dup = Laboratory Initiated Duplicate										



RESULTS OF ANALYSES OF GROUND WATER

Bureau Veritas ID		WNL083			WNL084		WNL085		
Sampling Date		2023/07/19 13:45			2023/07/20 14:00		2023/07/20 14:00		
COC Number		738239			738239		738239		
	UNITS	MW-IPD-09B Lab-Dup	RDL	QC Batch	MW-IPD-07A	QC Batch	MW-IPD-07B	RDL	QC Batch

Calculated Parameters									
Total Ammonia (as NH3)	mg/L				0.20	8821194	0.19	0.061	8821194
Ammonium (NH4)	mg/L				0.15	8821195	0.15	0.05	8821195
Bicarb. Alkalinity (calc. as CaCO3)	mg/L				100	8821192	100	1.0	8821192
Calculated TDS	mg/L				160	8821191	160	1.0	8821191
Carb. Alkalinity (calc. as CaCO3)	mg/L				1.8	8821192	1.8	1.0	8821192
Sodium Adsorption Ratio	N/A				1.3	8821193	1.3		8821193

CONVENTIONALS									
Redox Potential	mV				310	8822605	290	N/A	8822605

Field Measurements									
Field Temperature	Celsius				21.17	ONSITE	21.17	N/A	ONSITE
Field Measured pH	pH				8.9	ONSITE	8.9		ONSITE

Inorganics									
Total Ammonia-N	mg/L				0.16	8823472	0.16	0.050	8823472
Conductivity	umho/cm				270	8821553	270	1.0	8821553
Free Cyanide (CN)	ug/L				3.1 (1)	8842192	<2.0 (1)	2.0	8842192
Strong Acid Dissoc. Cyanide (CN)	mg/L				<0.00050 (2)	8842193	<0.00050 (3)	0.00050	8842193
Weak Acid Dissoc. Cyanide (CN)	mg/L				<0.00050 (4)	8842194	0.00063 (5)	0.00050	8842194
Total Dissolved Solids	mg/L				150	8825404	155	10	8825404
Fluoride (F-)	mg/L				1.2	8821555	1.2	0.10	8821555
Total Kjeldahl Nitrogen (TKN)	mg/L				0.24	8828284	0.25	0.10	8828284
Dissolved Organic Carbon	mg/L				1.1	8822724	1.0	0.40	8822835

RDL = Reportable Detection Limit
 QC Batch = Quality Control Batch
 Lab-Dup = Laboratory Initiated Duplicate
 N/A = Not Applicable

(1) 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.
 (2) Sample was analyzed after holding time expired. SAD Cyanide < Free Cyanide: Both values fall within the method uncertainty for duplicates and are likely equivalent.
 (3) Sample was analyzed after holding time expired. SAD Cyanide < WAD Cyanide: Both values fall within the method uncertainty for duplicates and are likely equivalent.
 (4) Sample was analyzed after holding time expired. WAD Cyanide < Free Cyanide: Both values fall within the method uncertainty for duplicates and are likely equivalent.
 (5) Sample was analyzed after holding time expired.



BUREAU VERITAS

Bureau Veritas Job #: C3M6503
Report Date: 2023/08/11

Agnico Eagle
Client Project #: MBK GW
Your P.O. #: 1248940
Sampler Initials: IW

RESULTS OF ANALYSES OF GROUND WATER

Bureau Veritas ID		WNL083			WNL084		WNL085		
Sampling Date		2023/07/19 13:45			2023/07/20 14:00		2023/07/20 14:00		
COC Number		738239			738239		738239		
	UNITS	MW-IPD-09B Lab-Dup	RDL	QC Batch	MW-IPD-07A	QC Batch	MW-IPD-07B	RDL	QC Batch
Total Organic Carbon (TOC)	mg/L				1.4	8828008	1.2	0.40	8828008
Orthophosphate (P)	mg/L				0.023	8821534	0.023	0.010	8821534
pH	pH				8.28	8821554	8.29		8821554
Total Phosphorus (P)	mg/L				0.030	8842195	0.027	0.0010	8842195
Reactive Silica (SiO2)	mg/L	10	0.25	8842196	7.4	8841947	7.9	0.050	8841947
Total Suspended Solids	mg/L				<1	8823405	1	1	8823405
Turbidity	NTU				0.5	8821429	0.5	0.1	8821429
Alkalinity (Total as CaCO3)	mg/L				100	8821552	100	1.0	8821552
Dissolved Chloride (Cl-)	mg/L				5.1	8821536	5.4	1.0	8821536
Nitrite (N)	mg/L				<0.010	8821547	<0.010	0.010	8821321
Nitrate (N)	mg/L				<0.10	8821547	<0.10	0.10	8821321
Dissolved Sulphate (SO4)	mg/L				22	8841946	22	0.50	8841946
Nitrate + Nitrite (N)	mg/L				<0.10	8821547	<0.10	0.10	8821321
Bromide (Br-)	mg/L				<1.0	8820041	<1.0	1.0	8820041
Un-ionized Ammonia (as N)	mg/L				0.041	8821196	0.040	0.013	8821196
Metals									
Dissolved Aluminum (Al)	ug/L				10.2	8834723	3.01	0.50	8834723
Total Aluminum (Al)	ug/L				3.51	8842348	6.58	0.50	8842348
Dissolved Antimony (Sb)	ug/L				0.042	8834723	<0.020	0.020	8834723
Total Antimony (Sb)	ug/L				<0.020	8842348	<0.020	0.020	8842348
Dissolved Arsenic (As)	ug/L				5.98	8834723	5.92	0.020	8834723
Total Arsenic (As)	ug/L				5.74	8842348	5.85	0.020	8842348
Dissolved Barium (Ba)	ug/L				11.1	8834723	12.5	0.020	8834723
Total Barium (Ba)	ug/L				13.3	8842348	12.8	0.020	8842348
Dissolved Beryllium (Be)	ug/L				<0.010	8834723	<0.010	0.010	8834723
Total Beryllium (Be)	ug/L				<0.010	8842348	<0.010	0.010	8842348
Dissolved Bismuth (Bi)	ug/L				<0.0050	8834723	<0.0050	0.0050	8834723
Total Bismuth (Bi)	ug/L				<0.0050	8842348	<0.0050	0.0050	8842348
Dissolved Boron (B)	ug/L				248	8834723	247	10	8834723
Total Boron (B)	ug/L				233	8842348	242	10	8842348
Dissolved Cadmium (Cd)	ug/L				<0.0050	8834723	<0.0050	0.0050	8834723
RDL = Reportable Detection Limit QC Batch = Quality Control Batch Lab-Dup = Laboratory Initiated Duplicate									



BUREAU
VERITAS

Bureau Veritas Job #: C3M6503
Report Date: 2023/08/11

Agnico Eagle
Client Project #: MBK GW
Your P.O. #: 1248940
Sampler Initials: IW

RESULTS OF ANALYSES OF GROUND WATER

Bureau Veritas ID		WNL083			WNL084		WNL085		
Sampling Date		2023/07/19 13:45			2023/07/20 14:00		2023/07/20 14:00		
COC Number		738239			738239		738239		
	UNITS	MW-IPD-09B Lab-Dup	RDL	QC Batch	MW-IPD-07A	QC Batch	MW-IPD-07B	RDL	QC Batch
Total Cadmium (Cd)	ug/L				<0.0050	8842348	<0.0050	0.0050	8842348
Dissolved Chromium (Cr)	ug/L				0.26	8834723	<0.10	0.10	8834723
Total Chromium (Cr)	ug/L				0.18	8842348	2.20	0.10	8842348
Dissolved Copper (Cu)	ug/L				0.160	8834723	<0.050	0.050	8834723
Total Copper (Cu)	ug/L				0.052	8842348	0.101	0.050	8842348
Dissolved Iron (Fe)	ug/L				85.8	8834723	64.0	1.0	8834723
Total Iron (Fe)	ug/L				110	8842348	134	1.0	8842348
Dissolved Lead (Pb)	ug/L				0.0610	8834723	0.0121	0.0050	8834723
Total Lead (Pb)	ug/L				0.0133	8842348	0.0235	0.0050	8842348
Dissolved Lithium (Li)	ug/L				5.43	8834723	5.33	0.50	8834723
Total Lithium (Li)	ug/L				5.26	8842348	5.27	0.50	8842348
Dissolved Manganese (Mn)	ug/L				54.9	8834723	53.7	0.050	8834723
Total Manganese (Mn)	ug/L				55.6	8842348	56.3	0.050	8842348
Dissolved Molybdenum (Mo)	ug/L				6.72	8834723	6.63	0.050	8834723
Total Molybdenum (Mo)	ug/L				6.59	8842348	6.74	0.050	8842348
Dissolved Nickel (Ni)	ug/L				0.223	8834723	0.102	0.020	8834723
Total Nickel (Ni)	ug/L				0.249	8842348	0.543	0.020	8842348
Dissolved Selenium (Se)	ug/L				0.098	8834723	0.086	0.040	8834723
Total Selenium (Se)	ug/L				0.394	8842348	0.473	0.040	8842348
Dissolved Silver (Ag)	ug/L				<0.0050	8834723	<0.0050	0.0050	8834723
Total Silver (Ag)	ug/L				<0.0050	8842348	<0.0050	0.0050	8842348
Dissolved Strontium (Sr)	ug/L				171	8834723	167	0.050	8834723
Total Strontium (Sr)	ug/L				168	8842348	168	0.050	8842348
Dissolved Thallium (Tl)	ug/L				<0.0020	8834723	<0.0020	0.0020	8834723
Total Thallium (Tl)	ug/L				<0.0020	8842348	<0.0020	0.0020	8842348
Dissolved Tin (Sn)	ug/L				<0.20	8834723	<0.20	0.20	8834723
Total Tin (Sn)	ug/L				<0.20	8842348	<0.20	0.20	8842348
Dissolved Titanium (Ti)	ug/L				<0.50	8834723	<0.50	0.50	8834723
Total Titanium (Ti)	ug/L				<0.50	8842348	<0.50	0.50	8842348
Dissolved Uranium (U)	ug/L				0.113	8834723	0.110	0.0020	8834723
Total Uranium (U)	ug/L				0.107	8842348	0.112	0.0020	8842348
RDL = Reportable Detection Limit QC Batch = Quality Control Batch Lab-Dup = Laboratory Initiated Duplicate									



BUREAU
VERITAS

Bureau Veritas Job #: C3M6503
Report Date: 2023/08/11

Agnico Eagle
Client Project #: MBK GW
Your P.O. #: 1248940
Sampler Initials: IW

RESULTS OF ANALYSES OF GROUND WATER

Bureau Veritas ID		WNL083			WNL084		WNL085		
Sampling Date		2023/07/19 13:45			2023/07/20 14:00		2023/07/20 14:00		
COC Number		738239			738239		738239		
	UNITS	MW-IPD-09B Lab-Dup	RDL	QC Batch	MW-IPD-07A	QC Batch	MW-IPD-07B	RDL	QC Batch
Dissolved Vanadium (V)	ug/L				<0.20	8834723	<0.20	0.20	8834723
Total Vanadium (V)	ug/L				<0.20	8842348	<0.20	0.20	8842348
Dissolved Zinc (Zn)	ug/L				0.99	8834723	0.30	0.10	8834723
Total Zinc (Zn)	ug/L				0.37	8842348	0.22	0.10	8842348
Dissolved Calcium (Ca)	mg/L				16.4	8842349	16.7	0.050	8842349
Total Calcium (Ca)	mg/L				17.3	8842347	17.0	0.050	8842347
Dissolved Magnesium (Mg)	mg/L				8.30	8842349	8.10	0.050	8842349
Total Magnesium (Mg)	mg/L				8.01	8842347	8.00	0.050	8842347
Dissolved Potassium (K)	mg/L				2.01	8842349	1.97	0.050	8842349
Total Potassium (K)	mg/L				1.98	8842347	1.98	0.050	8842347
Dissolved Sodium (Na)	mg/L				23.7	8842349	23.4	0.050	8842349
Total Sodium (Na)	mg/L				23.7	8842347	23.8	0.050	8842347
RDL = Reportable Detection Limit QC Batch = Quality Control Batch Lab-Dup = Laboratory Initiated Duplicate									



BUREAU
VERITAS

Bureau Veritas Job #: C3M6503
Report Date: 2023/08/11

Agnico Eagle
Client Project #: MBK GW
Your P.O. #: 1248940
Sampler Initials: IW

RESULTS OF ANALYSES OF GROUND WATER

Bureau Veritas ID		WNL086		WNL087			WNL088		
Sampling Date		2023/07/21 14:00		2023/07/21 14:00			2023/07/22 15:30		
COC Number		738239		738239			738239		
	UNITS	MW-IPD-01(S)A	QC Batch	MW-IPD-01(S)B	RDL	QC Batch	MW-IPD-01(D)A	RDL	QC Batch

Calculated Parameters									
Total Ammonia (as NH3)	mg/L	0.11	8821194	0.10	0.061	8821194	0.080	0.061	8821194
Ammonium (NH4)	mg/L	0.10	8821195	0.09	0.05	8821195	0.08	0.05	8821195
Bicarb. Alkalinity (calc. as CaCO3)	mg/L	53	8821192	53	1.0	8821192	97	1.0	8821192
Calculated TDS	mg/L	79	8821191	79	1.0	8821191	180	1.0	8821191
Carb. Alkalinity (calc. as CaCO3)	mg/L	<1.0	8821192	<1.0	1.0	8821192	1.3	1.0	8821192
Sodium Adsorption Ratio	N/A	0.24 (1)	8821193	0.24 (1)		8821193	0.99		8821193

CONVENTIONALS									
Redox Potential	mV	380	8822605	380	N/A	8822605	430	N/A	8822605

Field Measurements									
Field Temperature	Celsius	23.28	ONSITE	23.28	N/A	ONSITE	24.44	N/A	ONSITE
Field Measured pH	pH	8.5	ONSITE	8.5		ONSITE	8.35		ONSITE

Inorganics									
Total Ammonia-N	mg/L	0.090	8823472	0.084	0.050	8823472	0.066	0.050	8823472
Conductivity	umho/cm	140	8821553	140	1.0	8821553	350	1.0	8821553
Free Cyanide (CN)	ug/L	2.1 (2)	8842192	4.2 (2)	2.0	8842192	2.4 (2)	2.0	8842192
Strong Acid Dissoc. Cyanide (CN)	mg/L	0.00080 (3)	8842193	<0.00050 (3)	0.00050	8842193	0.00072 (3)	0.00050	8842193
Weak Acid Dissoc. Cyanide (CN)	mg/L	<0.00050 (4)	8842194	<0.00050 (4)	0.00050	8842194	0.00067 (4)	0.00050	8842194
Total Dissolved Solids	mg/L	75	8825404	95	10	8825404	180	10	8825404
Fluoride (F-)	mg/L	0.38	8821555	0.39	0.10	8821555	0.59	0.10	8821555
Total Kjeldahl Nitrogen (TKN)	mg/L	0.19	8828284	0.16	0.10	8828284	0.15	0.10	8828284
Dissolved Organic Carbon	mg/L	0.82	8822835	0.83	0.40	8822724	1.2	0.40	8822835
Total Organic Carbon (TOC)	mg/L	0.92	8828008	0.90	0.40	8828008	1.4	0.40	8828008
Orthophosphate (P)	mg/L	0.016	8821534	0.015	0.010	8821534	<0.010	0.010	8821534

RDL = Reportable Detection Limit
 QC Batch = Quality Control Batch
 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) 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.
 (3) Sample was analyzed after holding time expired. SAD Cyanide < Free Cyanide: Both values fall within the method uncertainty for duplicates and are likely equivalent.
 (4) Sample was analyzed after holding time expired. WAD Cyanide < Free Cyanide: Both values fall within the method uncertainty for duplicates and are likely equivalent.



BUREAU
VERITAS

Bureau Veritas Job #: C3M6503
Report Date: 2023/08/11

Agnico Eagle
Client Project #: MBK GW
Your P.O. #: 1248940
Sampler Initials: IW

RESULTS OF ANALYSES OF GROUND WATER

Bureau Veritas ID		WNL086		WNL087			WNL088		
Sampling Date		2023/07/21 14:00		2023/07/21 14:00			2023/07/22 15:30		
COC Number		738239		738239			738239		
	UNITS	MW-IPD-01(S)A	QC Batch	MW-IPD-01(S)B	RDL	QC Batch	MW-IPD-01(D)A	RDL	QC Batch
pH	pH	8.01	8821554	8.00		8821554	8.15		8821554
Total Phosphorus (P)	mg/L	0.013	8842195	0.014	0.0010	8842195	0.0021	0.0010	8842195
Reactive Silica (SiO ₂)	mg/L	6.2	8841947	5.3	0.050	8841947	7.6	0.050	8841947
Total Suspended Solids	mg/L	<1	8823405	<1	1	8823405	<1	1	8823405
Turbidity	NTU	0.1	8821429	0.1	0.1	8821429	0.3	0.1	8821429
Alkalinity (Total as CaCO ₃)	mg/L	53	8821552	54	1.0	8821552	99	1.0	8821552
Dissolved Chloride (Cl ⁻)	mg/L	2.7	8821536	1.9	1.0	8821536	44	1.0	8821536
Nitrite (N)	mg/L	<0.010	8821547	<0.010	0.010	8821321	<0.010	0.010	8821321
Nitrate (N)	mg/L	<0.10	8821547	<0.10	0.10	8821321	<0.10	0.10	8821321
Dissolved Sulphate (SO ₄)	mg/L	11	8841946	11	0.50	8841946	3.7	0.50	8842140
Nitrate + Nitrite (N)	mg/L	<0.10	8821547	<0.10	0.10	8821321	<0.10	0.10	8821321
Bromide (Br ⁻)	mg/L	<1.0	8820041	<1.0	1.0	8820041	<1.0	1.0	8820041
Un-ionized Ammonia (as N)	mg/L	0.012	8821196	0.012	0.0069	8821196	0.0071	0.0054	8821196
Metals									
Dissolved Aluminum (Al)	ug/L	4.14	8834723	3.92	0.50	8834723	4.01	0.50	8834723
Total Aluminum (Al)	ug/L	6.68	8842348	3.41	0.50	8842348	2.80	0.50	8842348
Dissolved Antimony (Sb)	ug/L	0.131	8834723	0.123	0.020	8834723	<0.020	0.020	8834723
Total Antimony (Sb)	ug/L	0.131	8842348	0.131	0.020	8842348	<0.020	0.020	8842348
Dissolved Arsenic (As)	ug/L	41.2	8834723	40.8	0.020	8834723	33.8	0.020	8834723
Total Arsenic (As)	ug/L	40.6	8842348	40.4	0.020	8842348	32.1	0.020	8842348
Dissolved Barium (Ba)	ug/L	5.31	8834723	3.58	0.020	8834723	19.5	0.020	8834723
Total Barium (Ba)	ug/L	4.92	8842348	3.63	0.020	8842348	19.9	0.020	8842348
Dissolved Beryllium (Be)	ug/L	<0.010	8834723	<0.010	0.010	8834723	<0.010	0.010	8834723
Total Beryllium (Be)	ug/L	<0.010	8842348	<0.010	0.010	8842348	<0.010	0.010	8842348
Dissolved Bismuth (Bi)	ug/L	<0.0050	8834723	<0.0050	0.0050	8834723	<0.0050	0.0050	8834723
Total Bismuth (Bi)	ug/L	<0.0050	8842348	<0.0050	0.0050	8842348	<0.0050	0.0050	8842348
Dissolved Boron (B)	ug/L	24	8834723	24	10	8834723	155	10	8834723
Total Boron (B)	ug/L	25	8842348	23	10	8842348	157	10	8842348
Dissolved Cadmium (Cd)	ug/L	<0.0050	8834723	<0.0050	0.0050	8834723	<0.0050	0.0050	8834723
Total Cadmium (Cd)	ug/L	<0.0050	8842348	<0.0050	0.0050	8842348	<0.0050	0.0050	8842348
Dissolved Chromium (Cr)	ug/L	<0.10	8834723	<0.10	0.10	8834723	<0.10	0.10	8834723
Total Chromium (Cr)	ug/L	<0.10	8842348	0.10	0.10	8842348	0.15	0.10	8842348
RDL = Reportable Detection Limit QC Batch = Quality Control Batch									



BUREAU
VERITAS

Bureau Veritas Job #: C3M6503
Report Date: 2023/08/11

Agnico Eagle
Client Project #: MBK GW
Your P.O. #: 1248940
Sampler Initials: IW

RESULTS OF ANALYSES OF GROUND WATER

Bureau Veritas ID		WNL086		WNL087			WNL088		
Sampling Date		2023/07/21 14:00		2023/07/21 14:00			2023/07/22 15:30		
COC Number		738239		738239			738239		
	UNITS	MW-IPD-01(S)A	QC Batch	MW-IPD-01(S)B	RDL	QC Batch	MW-IPD-01(D)A	RDL	QC Batch
Dissolved Copper (Cu)	ug/L	0.163	8834723	0.155	0.050	8834723	0.065	0.050	8834723
Total Copper (Cu)	ug/L	0.185	8842348	0.237	0.050	8842348	0.075	0.050	8842348
Dissolved Iron (Fe)	ug/L	61.5	8834723	61.0	1.0	8834723	58.0	1.0	8834723
Total Iron (Fe)	ug/L	66.8	8842348	63.2	1.0	8842348	79.8	1.0	8842348
Dissolved Lead (Pb)	ug/L	0.0380	8834723	0.0265	0.0050	8834723	0.0329	0.0050	8834723
Total Lead (Pb)	ug/L	0.0885	8842348	0.0360	0.0050	8842348	0.0164	0.0050	8842348
Dissolved Lithium (Li)	ug/L	1.62	8834723	1.62	0.50	8834723	4.77	0.50	8834723
Total Lithium (Li)	ug/L	1.64	8842348	1.62	0.50	8842348	4.74	0.50	8842348
Dissolved Manganese (Mn)	ug/L	60.8	8834723	60.8	0.050	8834723	34.6	0.050	8834723
Total Manganese (Mn)	ug/L	62.8	8842348	62.6	0.050	8842348	35.4	0.050	8842348
Dissolved Molybdenum (Mo)	ug/L	4.44	8834723	4.33	0.050	8834723	8.34	0.050	8834723
Total Molybdenum (Mo)	ug/L	4.46	8842348	4.45	0.050	8842348	8.63	0.050	8842348
Dissolved Nickel (Ni)	ug/L	0.465	8834723	0.564	0.020	8834723	0.277	0.020	8834723
Total Nickel (Ni)	ug/L	0.651	8842348	0.726	0.020	8842348	0.661	0.020	8842348
Dissolved Selenium (Se)	ug/L	<0.040	8834723	<0.040	0.040	8834723	<0.040	0.040	8834723
Total Selenium (Se)	ug/L	<0.040	8842348	<0.040	0.040	8842348	0.050	0.040	8842348
Dissolved Silver (Ag)	ug/L	<0.0050	8834723	<0.0050	0.0050	8834723	<0.0050	0.0050	8834723
Total Silver (Ag)	ug/L	<0.0050	8842348	<0.0050	0.0050	8842348	<0.0050	0.0050	8842348
Dissolved Strontium (Sr)	ug/L	91.5	8834723	90.6	0.050	8834723	308	0.050	8834723
Total Strontium (Sr)	ug/L	93.3	8842348	91.4	0.050	8842348	317	0.050	8842348
Dissolved Thallium (Tl)	ug/L	<0.0020	8834723	<0.0020	0.0020	8834723	<0.0020	0.0020	8834723
Total Thallium (Tl)	ug/L	<0.0020	8842348	<0.0020	0.0020	8842348	<0.0020	0.0020	8842348
Dissolved Tin (Sn)	ug/L	<0.20	8834723	<0.20	0.20	8834723	<0.20	0.20	8834723
Total Tin (Sn)	ug/L	<0.20	8842348	<0.20	0.20	8842348	<0.20	0.20	8842348
Dissolved Titanium (Ti)	ug/L	<0.50	8834723	<0.50	0.50	8834723	<0.50	0.50	8834723
Total Titanium (Ti)	ug/L	<0.50	8842348	<0.50	0.50	8842348	<0.50	0.50	8842348
Dissolved Uranium (U)	ug/L	3.71	8834723	3.73	0.0020	8834723	0.481	0.0020	8834723
Total Uranium (U)	ug/L	3.79	8842348	3.78	0.0020	8842348	0.483	0.0020	8842348
Dissolved Vanadium (V)	ug/L	<0.20	8834723	<0.20	0.20	8834723	<0.20	0.20	8834723
Total Vanadium (V)	ug/L	<0.20	8842348	<0.20	0.20	8842348	<0.20	0.20	8842348
Dissolved Zinc (Zn)	ug/L	1.25	8834723	0.20	0.10	8834723	0.61	0.10	8834723
Total Zinc (Zn)	ug/L	0.53	8842348	0.15	0.10	8842348	0.22	0.10	8842348

RDL = Reportable Detection Limit
QC Batch = Quality Control Batch



BUREAU
VERITAS

Bureau Veritas Job #: C3M6503
Report Date: 2023/08/11

Agnico Eagle
Client Project #: MBK GW
Your P.O. #: 1248940
Sampler Initials: IW

RESULTS OF ANALYSES OF GROUND WATER

Bureau Veritas ID		WNL086		WNL087			WNL088		
Sampling Date		2023/07/21 14:00		2023/07/21 14:00			2023/07/22 15:30		
COC Number		738239		738239			738239		
	UNITS	MW-IPD-01(S)A	QC Batch	MW-IPD-01(S)B	RDL	QC Batch	MW-IPD-01(D)A	RDL	QC Batch
Dissolved Calcium (Ca)	mg/L	13.8	8842349	13.4	0.050	8842349	22.2	0.050	8842349
Total Calcium (Ca)	mg/L	14.0	8842347	13.7	0.050	8842347	22.2	0.050	8842347
Dissolved Magnesium (Mg)	mg/L	5.03	8842349	4.93	0.050	8842349	12.9	0.050	8842349
Total Magnesium (Mg)	mg/L	5.01	8842347	4.89	0.050	8842347	12.7	0.050	8842347
Dissolved Potassium (K)	mg/L	1.80	8842349	1.78	0.050	8842349	1.16	0.050	8842349
Total Potassium (K)	mg/L	1.78	8842347	1.79	0.050	8842347	1.17	0.050	8842347
Dissolved Sodium (Na)	mg/L	3.72	8842349	3.68	0.050	8842349	21.7	0.050	8842349
Total Sodium (Na)	mg/L	3.79	8842347	3.80	0.050	8842347	21.9	0.050	8842347
RDL = Reportable Detection Limit QC Batch = Quality Control Batch									



BUREAU
VERITAS

Bureau Veritas Job #: C3M6503
Report Date: 2023/08/11

Agnico Eagle
Client Project #: MBK GW
Your P.O. #: 1248940
Sampler Initials: IW

RESULTS OF ANALYSES OF GROUND WATER

Bureau Veritas ID		WNL088		WNL089			WNL089		
Sampling Date		2023/07/22 15:30		2023/07/22 15:30			2023/07/22 15:30		
COC Number		738239		738239			738239		
	UNITS	MW-IPD-01(D)A Lab-Dup	QC Batch	MW-IPD-01(D)B	RDL	QC Batch	MW-IPD-01(D)B Lab-Dup	RDL	QC Batch

Calculated Parameters									
Total Ammonia (as NH3)	mg/L			<0.061	0.061	8821194			
Ammonium (NH4)	mg/L			<0.05	0.05	8821195			
Bicarb. Alkalinity (calc. as CaCO3)	mg/L			98	1.0	8821192			
Calculated TDS	mg/L			180	1.0	8821191			
Carb. Alkalinity (calc. as CaCO3)	mg/L			1.5	1.0	8821192			
Sodium Adsorption Ratio	N/A			0.99		8821193			

CONVENTIONALS									
Redox Potential	mV	430	8822605	340	N/A	8822605			

Field Measurements									
Field Temperature	Celsius			24.44	N/A	ONSITE			
Field Measured pH	pH			8.35		ONSITE			

Inorganics									
Total Ammonia-N	mg/L			<0.050	0.050	8823472			
Conductivity	umho/cm			350	1.0	8821553			
Free Cyanide (CN)	ug/L			4.5 (1)	2.0	8842192			
Strong Acid Dissoc. Cyanide (CN)	mg/L			<0.00050 (2)	0.00050	8842193			
Weak Acid Dissoc. Cyanide (CN)	mg/L			<0.00050 (3)	0.00050	8842194			
Total Dissolved Solids	mg/L			170	10	8825404			
Fluoride (F-)	mg/L			0.59	0.10	8821555			
Total Kjeldahl Nitrogen (TKN)	mg/L			0.17	0.10	8828284			
Dissolved Organic Carbon	mg/L			1.2	0.40	8822724			
Total Organic Carbon (TOC)	mg/L			1.3	0.40	8828008			
Orthophosphate (P)	mg/L			<0.010	0.010	8821534			
pH	pH			8.21		8821554			

RDL = Reportable Detection Limit
 QC Batch = Quality Control Batch
 Lab-Dup = Laboratory Initiated Duplicate
 N/A = Not Applicable

(1) 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.

(2) Sample was analyzed after holding time expired. SAD Cyanide < Free Cyanide: Both values fall within the method uncertainty for duplicates and are likely equivalent.

(3) Sample was analyzed after holding time expired. WAD Cyanide < Free Cyanide: Both values fall within the method uncertainty for duplicates and are likely equivalent.



BUREAU
VERITAS

Bureau Veritas Job #: C3M6503
Report Date: 2023/08/11

Agnico Eagle
Client Project #: MBK GW
Your P.O. #: 1248940
Sampler Initials: IW

RESULTS OF ANALYSES OF GROUND WATER

Bureau Veritas ID		WNL088		WNL089			WNL089		
Sampling Date		2023/07/22 15:30		2023/07/22 15:30			2023/07/22 15:30		
COC Number		738239		738239			738239		
	UNITS	MW-IPD-01(D)A Lab-Dup	QC Batch	MW-IPD-01(D)B	RDL	QC Batch	MW-IPD-01(D)B Lab-Dup	RDL	QC Batch
Total Phosphorus (P)	mg/L			0.0014	0.0010	8842195			
Reactive Silica (SiO2)	mg/L			7.0	0.050	8841947			
Total Suspended Solids	mg/L			<1	1	8823405			
Turbidity	NTU			0.3	0.1	8821429			
Alkalinity (Total as CaCO3)	mg/L			99	1.0	8821552			
Dissolved Chloride (Cl-)	mg/L			44	1.0	8821536			
Nitrite (N)	mg/L			<0.010	0.010	8821547			
Nitrate (N)	mg/L			<0.10	0.10	8821547			
Dissolved Sulphate (SO4)	mg/L			3.7	0.50	8842140	3.7	0.50	8842140
Nitrate + Nitrite (N)	mg/L			<0.10	0.10	8821547			
Bromide (Br-)	mg/L			<1.0	1.0	8820041			
Un-ionized Ammonia (as N)	mg/L			<0.0054	0.0054	8821196			
Metals									
Dissolved Aluminum (Al)	ug/L			4.05	0.50	8842350			
Total Aluminum (Al)	ug/L			3.17	0.50	8842348			
Dissolved Antimony (Sb)	ug/L			<0.020	0.020	8842350			
Total Antimony (Sb)	ug/L			<0.020	0.020	8842348			
Dissolved Arsenic (As)	ug/L			32.3	0.020	8842350			
Total Arsenic (As)	ug/L			33.7	0.020	8842348			
Dissolved Barium (Ba)	ug/L			22.1	0.020	8842350			
Total Barium (Ba)	ug/L			21.3	0.020	8842348			
Dissolved Beryllium (Be)	ug/L			<0.010	0.010	8842350			
Total Beryllium (Be)	ug/L			<0.010	0.010	8842348			
Dissolved Bismuth (Bi)	ug/L			<0.0050	0.0050	8842350			
Total Bismuth (Bi)	ug/L			<0.0050	0.0050	8842348			
Dissolved Boron (B)	ug/L			153	10	8842350			
Total Boron (B)	ug/L			154	10	8842348			
Dissolved Cadmium (Cd)	ug/L			<0.0050	0.0050	8842350			
Total Cadmium (Cd)	ug/L			<0.0050	0.0050	8842348			
Dissolved Chromium (Cr)	ug/L			0.22	0.10	8842350			
Total Chromium (Cr)	ug/L			0.33	0.10	8842348			
RDL = Reportable Detection Limit QC Batch = Quality Control Batch Lab-Dup = Laboratory Initiated Duplicate									



BUREAU
VERITAS

Bureau Veritas Job #: C3M6503
Report Date: 2023/08/11

Agnico Eagle
Client Project #: MBK GW
Your P.O. #: 1248940
Sampler Initials: IW

RESULTS OF ANALYSES OF GROUND WATER

Bureau Veritas ID		WNL088		WNL089			WNL089		
Sampling Date		2023/07/22 15:30		2023/07/22 15:30			2023/07/22 15:30		
COC Number		738239		738239			738239		
	UNITS	MW-IPD-01(D)A Lab-Dup	QC Batch	MW-IPD-01(D)B	RDL	QC Batch	MW-IPD-01(D)B Lab-Dup	RDL	QC Batch
Dissolved Copper (Cu)	ug/L			0.057	0.050	8842350			
Total Copper (Cu)	ug/L			0.068	0.050	8842348			
Dissolved Iron (Fe)	ug/L			65.1	1.0	8842350			
Total Iron (Fe)	ug/L			82.6	1.0	8842348			
Dissolved Lead (Pb)	ug/L			0.0376	0.0050	8842350			
Total Lead (Pb)	ug/L			0.0190	0.0050	8842348			
Dissolved Lithium (Li)	ug/L			4.71	0.50	8842350			
Total Lithium (Li)	ug/L			4.73	0.50	8842348			
Dissolved Manganese (Mn)	ug/L			35.0	0.050	8842350			
Total Manganese (Mn)	ug/L			35.6	0.050	8842348			
Dissolved Molybdenum (Mo)	ug/L			8.38	0.050	8842350			
Total Molybdenum (Mo)	ug/L			8.72	0.050	8842348			
Dissolved Nickel (Ni)	ug/L			0.306	0.020	8842350			
Total Nickel (Ni)	ug/L			1.36	0.020	8842348			
Dissolved Selenium (Se)	ug/L			0.054	0.040	8842350			
Total Selenium (Se)	ug/L			<0.040	0.040	8842348			
Dissolved Silver (Ag)	ug/L			<0.0050	0.0050	8842350			
Total Silver (Ag)	ug/L			<0.0050	0.0050	8842348			
Dissolved Strontium (Sr)	ug/L			310	0.050	8842350			
Total Strontium (Sr)	ug/L			317	0.050	8842348			
Dissolved Thallium (Tl)	ug/L			<0.0020	0.0020	8842350			
Total Thallium (Tl)	ug/L			<0.0020	0.0020	8842348			
Dissolved Tin (Sn)	ug/L			<0.20	0.20	8842350			
Total Tin (Sn)	ug/L			<0.20	0.20	8842348			
Dissolved Titanium (Ti)	ug/L			<0.50	0.50	8842350			
Total Titanium (Ti)	ug/L			<0.50	0.50	8842348			
Dissolved Uranium (U)	ug/L			0.475	0.0020	8842350			
Total Uranium (U)	ug/L			0.495	0.0020	8842348			
Dissolved Vanadium (V)	ug/L			<0.20	0.20	8842350			
Total Vanadium (V)	ug/L			<0.20	0.20	8842348			
Dissolved Zinc (Zn)	ug/L			1.02	0.10	8842350			
RDL = Reportable Detection Limit QC Batch = Quality Control Batch Lab-Dup = Laboratory Initiated Duplicate									



BUREAU
VERITAS

Bureau Veritas Job #: C3M6503
Report Date: 2023/08/11

Agnico Eagle
Client Project #: MBK GW
Your P.O. #: 1248940
Sampler Initials: IW

RESULTS OF ANALYSES OF GROUND WATER

Bureau Veritas ID		WNL088		WNL089			WNL089		
Sampling Date		2023/07/22 15:30		2023/07/22 15:30			2023/07/22 15:30		
COC Number		738239		738239			738239		
	UNITS	MW-IPD-01(D)A Lab-Dup	QC Batch	MW-IPD-01(D)B	RDL	QC Batch	MW-IPD-01(D)B Lab-Dup	RDL	QC Batch
Total Zinc (Zn)	ug/L			0.42	0.10	8842348			
Dissolved Calcium (Ca)	mg/L			22.4	0.050	8842349			
Total Calcium (Ca)	mg/L			22.9	0.050	8842347			
Dissolved Magnesium (Mg)	mg/L			12.9	0.050	8842349			
Total Magnesium (Mg)	mg/L			12.8	0.050	8842347			
Dissolved Potassium (K)	mg/L			1.20	0.050	8842349			
Total Potassium (K)	mg/L			1.17	0.050	8842347			
Dissolved Sodium (Na)	mg/L			21.8	0.050	8842349			
Total Sodium (Na)	mg/L			22.0	0.050	8842347			

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



BUREAU
VERITAS

Bureau Veritas Job #: C3M6503
Report Date: 2023/08/11

Agnico Eagle
Client Project #: MBK GW
Your P.O. #: 1248940
Sampler Initials: IW

RESULTS OF ANALYSES OF GROUND WATER

Bureau Veritas ID		WNL090			WNL090			WNL091		
Sampling Date		2023/07/23 15:00			2023/07/23 15:00			2023/07/23 15:00		
COC Number		738239			738239			738239		
	UNITS	MW-16-01A	RDL	QC Batch	MW-16-01A Lab-Dup	RDL	QC Batch	MW-16-01B	RDL	QC Batch

Calculated Parameters										
Total Ammonia (as NH3)	mg/L	10	0.061	8821194				11	0.061	8821194
Ammonium (NH4)	mg/L	11	0.05	8821195				11	0.05	8821195
Bicarb. Alkalinity (calc. as CaCO3)	mg/L	150	1.0	8821192				150	1.0	8821192
Calculated TDS	mg/L	2100	1.0	8821191				2100	1.0	8821191
Carb. Alkalinity (calc. as CaCO3)	mg/L	1.0	1.0	8821192				1.2	1.0	8821192
Sodium Adsorption Ratio	N/A	4.2		8821193				4.2		8821193

CONVENTIONALS										
Redox Potential	mV	340	N/A	8822605				360	N/A	8822605

Field Measurements										
Field Temperature	Celsius	14.59	N/A	ONSITE				14.59	N/A	ONSITE
Field Measured pH	pH	7.54		ONSITE				7.54		ONSITE

Inorganics										
Total Ammonia-N	mg/L	8.6	0.050	8823472				8.8	0.050	8823472
Conductivity	umho/cm	2700	1.0	8821553				2700	1.0	8821553
Free Cyanide (CN)	ug/L	16 (1)	2.0	8842192				18 (1)	2.0	8842192
Strong Acid Dissoc. Cyanide (CN)	mg/L	0.0318 (2)	0.00050	8842193				0.0322 (2)	0.00050	8842193
Weak Acid Dissoc. Cyanide (CN)	mg/L	0.014 (3)	0.00050	8842194				0.014 (3)	0.00050	8842194
Total Dissolved Solids	mg/L	2010	10	8825404				1900	10	8825404
Fluoride (F-)	mg/L	0.35	0.10	8821555				0.34	0.10	8821555
Total Kjeldahl Nitrogen (TKN)	mg/L	37	1.0	8828284				37	1.0	8828284
Dissolved Organic Carbon	mg/L	23	0.40	8822835				23	0.40	8822835
Total Organic Carbon (TOC)	mg/L	24	0.40	8828008				24	0.40	8828008
Orthophosphate (P)	mg/L	<0.010	0.010	8821534				<0.010	0.010	8821534
pH	pH	7.84		8821554				7.90		8821554
Total Phosphorus (P)	mg/L	0.030	0.0010	8842195				0.027	0.0010	8842195

RDL = Reportable Detection Limit
 QC Batch = Quality Control Batch
 Lab-Dup = Laboratory Initiated Duplicate
 N/A = Not Applicable

(1) 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.
 (2) Sample was analyzed after holding time expired.
 (3) Sample was analyzed after holding time expired. WAD Cyanide < Free Cyanide: Both values fall within the method uncertainty for duplicates and are likely equivalent.



BUREAU
VERITAS

Bureau Veritas Job #: C3M6503
Report Date: 2023/08/11

Agnico Eagle
Client Project #: MBK GW
Your P.O. #: 1248940
Sampler Initials: IW

RESULTS OF ANALYSES OF GROUND WATER

Bureau Veritas ID		WNL090			WNL090			WNL091		
Sampling Date		2023/07/23 15:00			2023/07/23 15:00			2023/07/23 15:00		
COC Number		738239			738239			738239		
	UNITS	MW-16-01A	RDL	QC Batch	MW-16-01A Lab-Dup	RDL	QC Batch	MW-16-01B	RDL	QC Batch
Reactive Silica (SiO2)	mg/L	8.7	0.050	8841947				8.1	0.050	8841947
Total Suspended Solids	mg/L	10	1	8823405				10	1	8823405
Turbidity	NTU	50	0.1	8821429				25	0.1	8821429
Alkalinity (Total as CaCO3)	mg/L	150	1.0	8821552				150	1.0	8821552
Dissolved Chloride (Cl-)	mg/L	220	2.0	8821536				220	2.0	8821536
Nitrite (N)	mg/L	<0.010	0.010	8821547	<0.010	0.010	8821547	<0.010	0.010	8821547
Nitrate (N)	mg/L	<0.10	0.10	8821547	<0.10	0.10	8821547	<0.10	0.10	8821547
Dissolved Sulphate (SO4)	mg/L	1100	13	8841946				1100	13	8841946
Nitrate + Nitrite (N)	mg/L	<0.10	0.10	8821547	<0.10	0.10	8821547	<0.10	0.10	8821547
Bromide (Br-)	mg/L	1.9	1.0	8820041				1.9	1.0	8820041
Un-ionized Ammonia (as N)	mg/L	0.078	0.00045	8821196				0.080	0.00045	8821196
Metals										
Dissolved Aluminum (Al)	ug/L	4.4	1.0	8842350				4.2	1.0	8842350
Total Aluminum (Al)	ug/L	18.7	1.0	8842348				16.7	1.0	8842348
Dissolved Antimony (Sb)	ug/L	<0.040	0.040	8842350				<0.040	0.040	8842350
Total Antimony (Sb)	ug/L	<0.040	0.040	8842348				<0.040	0.040	8842348
Dissolved Arsenic (As)	ug/L	169	0.040	8842350				169	0.040	8842350
Total Arsenic (As)	ug/L	179	0.040	8842348				191	0.040	8842348
Dissolved Barium (Ba)	ug/L	22.7	0.040	8842350				21.3	0.040	8842350
Total Barium (Ba)	ug/L	21.3	0.040	8842348				22.8	0.040	8842348
Dissolved Beryllium (Be)	ug/L	0.030	0.020	8842350				<0.020	0.020	8842350
Total Beryllium (Be)	ug/L	<0.020	0.020	8842348				<0.020	0.020	8842348
Dissolved Bismuth (Bi)	ug/L	0.017	0.010	8842350				<0.010	0.010	8842350
Total Bismuth (Bi)	ug/L	<0.010	0.010	8842348				<0.010	0.010	8842348
Dissolved Boron (B)	ug/L	106	20	8842350				94	20	8842350
Total Boron (B)	ug/L	77	20	8842348				81	20	8842348
Dissolved Cadmium (Cd)	ug/L	0.013	0.010	8842350				<0.010	0.010	8842350
Total Cadmium (Cd)	ug/L	<0.010	0.010	8842348				<0.010	0.010	8842348
Dissolved Chromium (Cr)	ug/L	<0.20	0.20	8842350				<0.20	0.20	8842350
Total Chromium (Cr)	ug/L	0.85	0.20	8842348				5.89	0.20	8842348
Dissolved Copper (Cu)	ug/L	0.44	0.10	8842350				0.38	0.10	8842350
RDL = Reportable Detection Limit QC Batch = Quality Control Batch Lab-Dup = Laboratory Initiated Duplicate										



BUREAU
VERITAS

Bureau Veritas Job #: C3M6503
Report Date: 2023/08/11

Agnico Eagle
Client Project #: MBK GW
Your P.O. #: 1248940
Sampler Initials: IW

RESULTS OF ANALYSES OF GROUND WATER

Bureau Veritas ID		WNL090			WNL090			WNL091		
Sampling Date		2023/07/23 15:00			2023/07/23 15:00			2023/07/23 15:00		
COC Number		738239			738239			738239		
	UNITS	MW-16-01A	RDL	QC Batch	MW-16-01A Lab-Dup	RDL	QC Batch	MW-16-01B	RDL	QC Batch
Total Copper (Cu)	ug/L	1.00	0.10	8842348				0.76	0.10	8842348
Dissolved Iron (Fe)	ug/L	4160	2.0	8842350				4120	2.0	8842350
Total Iron (Fe)	ug/L	4720	2.0	8842348				4950	2.0	8842348
Dissolved Lead (Pb)	ug/L	0.139	0.010	8842350				0.097	0.010	8842350
Total Lead (Pb)	ug/L	0.507	0.010	8842348				0.342	0.010	8842348
Dissolved Lithium (Li)	ug/L	11.0	1.0	8842350				11.0	1.0	8842350
Total Lithium (Li)	ug/L	10.9	1.0	8842348				11.1	1.0	8842348
Dissolved Manganese (Mn)	ug/L	1970	0.10	8842350				1980	0.10	8842350
Total Manganese (Mn)	ug/L	1970	0.10	8842348				2090	0.10	8842348
Dissolved Molybdenum (Mo)	ug/L	45.8	0.10	8842350				45.9	0.10	8842350
Total Molybdenum (Mo)	ug/L	45.1	0.10	8842348				53.3	0.10	8842348
Dissolved Nickel (Ni)	ug/L	1.55	0.040	8842350				1.56	0.040	8842350
Total Nickel (Ni)	ug/L	4.75	0.040	8842348				26.3	0.040	8842348
Dissolved Selenium (Se)	ug/L	0.170	0.080	8842350				0.088	0.080	8842350
Total Selenium (Se)	ug/L	0.136	0.080	8842348				0.091	0.080	8842348
Dissolved Silver (Ag)	ug/L	0.030	0.010	8842350				<0.010	0.010	8842350
Total Silver (Ag)	ug/L	0.010	0.010	8842348				<0.010	0.010	8842348
Dissolved Strontium (Sr)	ug/L	1050	0.10	8842350				1060	0.10	8842350
Total Strontium (Sr)	ug/L	1040	0.10	8842348				1100	0.10	8842348
Dissolved Thallium (Tl)	ug/L	0.0088	0.0040	8842350				<0.0040	0.0040	8842350
Total Thallium (Tl)	ug/L	<0.0040	0.0040	8842348				<0.0040	0.0040	8842348
Dissolved Tin (Sn)	ug/L	<0.40	0.40	8842350				<0.40	0.40	8842350
Total Tin (Sn)	ug/L	<0.40	0.40	8842348				<0.40	0.40	8842348
Dissolved Titanium (Ti)	ug/L	<1.0	1.0	8842350				<1.0	1.0	8842350
Total Titanium (Ti)	ug/L	<1.0	1.0	8842348				<1.0	1.0	8842348
Dissolved Uranium (U)	ug/L	4.99	0.0040	8842350				5.05	0.0040	8842350
Total Uranium (U)	ug/L	5.03	0.0040	8842348				5.27	0.0040	8842348
Dissolved Vanadium (V)	ug/L	<0.40	0.40	8842350				<0.40	0.40	8842350
Total Vanadium (V)	ug/L	<0.40	0.40	8842348				<0.40	0.40	8842348
Dissolved Zinc (Zn)	ug/L	2.25	0.20	8842350				1.49	0.20	8842350
Total Zinc (Zn)	ug/L	2.00	0.20	8842348				2.18	0.20	8842348
RDL = Reportable Detection Limit QC Batch = Quality Control Batch Lab-Dup = Laboratory Initiated Duplicate										



BUREAU
VERITAS

Bureau Veritas Job #: C3M6503
Report Date: 2023/08/11

Agnico Eagle
Client Project #: MBK GW
Your P.O. #: 1248940
Sampler Initials: IW

RESULTS OF ANALYSES OF GROUND WATER

Bureau Veritas ID		WNL090			WNL090			WNL091		
Sampling Date		2023/07/23 15:00			2023/07/23 15:00			2023/07/23 15:00		
COC Number		738239			738239			738239		
	UNITS	MW-16-01A	RDL	QC Batch	MW-16-01A Lab-Dup	RDL	QC Batch	MW-16-01B	RDL	QC Batch
Dissolved Calcium (Ca)	mg/L	211	0.10	8842349				214	0.10	8842349
Total Calcium (Ca)	mg/L	212	0.10	8842347				223	0.10	8842347
Dissolved Magnesium (Mg)	mg/L	72.0	0.10	8842349				73.1	0.10	8842349
Total Magnesium (Mg)	mg/L	70.5	0.10	8842347				75.5	0.10	8842347
Dissolved Potassium (K)	mg/L	17.3	0.10	8842349				17.6	0.10	8842349
Total Potassium (K)	mg/L	17.3	0.10	8842347				18.5	0.10	8842347
Dissolved Sodium (Na)	mg/L	252	0.10	8842349				251	0.10	8842349
Total Sodium (Na)	mg/L	253	0.10	8842347				265	0.10	8842347
RDL = Reportable Detection Limit QC Batch = Quality Control Batch Lab-Dup = Laboratory Initiated Duplicate										



RESULTS OF ANALYSES OF GROUND WATER

Bureau Veritas ID		WNL092		WNL093		
Sampling Date		2023/07/22		2023/07/22		
COC Number		738239		738239		
	UNITS	FB-23-1	QC Batch	TB-23-1	RDL	QC Batch
Calculated Parameters						
Total Ammonia (as NH3)	mg/L	<0.061	8821194	<0.061	0.061	8821194
Bicarb. Alkalinity (calc. as CaCO3)	mg/L	<1.0	8821192	<1.0	1.0	8821192
Calculated TDS	mg/L	<1.0	8821191	<1.0	1.0	8821191
Carb. Alkalinity (calc. as CaCO3)	mg/L	<1.0	8821192	<1.0	1.0	8821192
Sodium Adsorption Ratio	N/A	NC (1)	8821193	NC (1)		8821193
CONVENTIONALS						
Redox Potential	mV	500	8822605	500	N/A	8822605
Inorganics						
Total Ammonia-N	mg/L	<0.050	8823472	<0.050	0.050	8823472
Conductivity	umho/cm	1.4	8821553	1.4	1.0	8821553
Free Cyanide (CN)	ug/L	<2.0 (2)	8842192	<2.0 (2)	2.0	8842192
Strong Acid Dissoc. Cyanide (CN)	mg/L	0.00066 (3)	8842141	0.00057 (3)	0.00050	8842193
Weak Acid Dissoc. Cyanide (CN)	mg/L	<0.00050 (3)	8842142	<0.00050 (3)	0.00050	8842194
Total Dissolved Solids	mg/L	<10	8825404	<10	10	8825404
Fluoride (F-)	mg/L	<0.10	8821555	<0.10	0.10	8821555
Total Kjeldahl Nitrogen (TKN)	mg/L	<0.10	8828284	<0.10	0.10	8828284
Dissolved Organic Carbon	mg/L	<0.40	8822835	<0.40	0.40	8822724
Total Organic Carbon (TOC)	mg/L	<0.40	8828008	<0.40	0.40	8828008
Orthophosphate (P)	mg/L	<0.010	8821534	<0.010	0.010	8821534
pH	pH	5.85	8821554	5.79		8821554
Total Phosphorus (P)	mg/L	<0.0010	8840426	<0.0010	0.0010	8842195
Reactive Silica (SiO2)	mg/L	<0.050	8841947	<0.050	0.050	8841947
Total Suspended Solids	mg/L	<1	8823405	<1	1	8823405
Turbidity	NTU	<0.1	8821429	<0.1	0.1	8821429
RDL = Reportable Detection Limit QC Batch = Quality Control Batch 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) 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. (3) Sample was analyzed after holding time expired.						



BUREAU
VERITAS

Bureau Veritas Job #: C3M6503
Report Date: 2023/08/11

Agnico Eagle
Client Project #: MBK GW
Your P.O. #: 1248940
Sampler Initials: IW

RESULTS OF ANALYSES OF GROUND WATER

Bureau Veritas ID		WNL092		WNL093		
Sampling Date		2023/07/22		2023/07/22		
COC Number		738239		738239		
	UNITS	FB-23-1	QC Batch	TB-23-1	RDL	QC Batch
Alkalinity (Total as CaCO3)	mg/L	<1.0	8821552	<1.0	1.0	8821552
Dissolved Chloride (Cl-)	mg/L	<1.0	8821536	<1.0	1.0	8821536
Nitrite (N)	mg/L	<0.010	8821547	<0.010	0.010	8821321
Nitrate (N)	mg/L	<0.10	8821547	<0.10	0.10	8821321
Dissolved Sulphate (SO4)	mg/L	<0.50	8842140	<0.50	0.50	8841946
Nitrate + Nitrite (N)	mg/L	<0.10	8821547	<0.10	0.10	8821321
Bromide (Br-)	mg/L	<1.0	8820041	<1.0	1.0	8820041
Metals						
Dissolved Aluminum (Al)	ug/L	<0.50	8834723	<0.50	0.50	8834723
Total Aluminum (Al)	ug/L	<0.50	8842348	1.26	0.50	8842348
Dissolved Antimony (Sb)	ug/L	<0.020	8834723	<0.020	0.020	8834723
Total Antimony (Sb)	ug/L	<0.020	8842348	<0.020	0.020	8842348
Dissolved Arsenic (As)	ug/L	0.023	8834723	<0.020	0.020	8834723
Total Arsenic (As)	ug/L	0.099	8842348	<0.020	0.020	8842348
Dissolved Barium (Ba)	ug/L	<0.020	8834723	<0.020	0.020	8834723
Total Barium (Ba)	ug/L	<0.020	8842348	<0.020	0.020	8842348
Dissolved Beryllium (Be)	ug/L	<0.010	8834723	<0.010	0.010	8834723
Total Beryllium (Be)	ug/L	<0.010	8842348	<0.010	0.010	8842348
Dissolved Bismuth (Bi)	ug/L	<0.0050	8834723	<0.0050	0.0050	8834723
Total Bismuth (Bi)	ug/L	<0.0050	8842348	<0.0050	0.0050	8842348
Dissolved Boron (B)	ug/L	<10	8834723	<10	10	8834723
Total Boron (B)	ug/L	<10	8842348	<10	10	8842348
Dissolved Cadmium (Cd)	ug/L	<0.0050	8834723	<0.0050	0.0050	8834723
Total Cadmium (Cd)	ug/L	<0.0050	8842348	<0.0050	0.0050	8842348
Dissolved Chromium (Cr)	ug/L	<0.10	8834723	<0.10	0.10	8834723
Total Chromium (Cr)	ug/L	12.3	8842348	<0.10	0.10	8842348
Dissolved Copper (Cu)	ug/L	<0.050	8834723	<0.050	0.050	8834723
Total Copper (Cu)	ug/L	<0.050	8842348	<0.050	0.050	8842348
Dissolved Iron (Fe)	ug/L	<1.0	8834723	<1.0	1.0	8834723
Total Iron (Fe)	ug/L	<1.0	8842348	<1.0	1.0	8842348
Dissolved Lead (Pb)	ug/L	<0.0050	8834723	<0.0050	0.0050	8834723
Total Lead (Pb)	ug/L	<0.0050	8842348	<0.0050	0.0050	8842348
RDL = Reportable Detection Limit QC Batch = Quality Control Batch						



BUREAU
VERITAS

Bureau Veritas Job #: C3M6503
Report Date: 2023/08/11

Agnico Eagle
Client Project #: MBK GW
Your P.O. #: 1248940
Sampler Initials: IW

RESULTS OF ANALYSES OF GROUND WATER

Bureau Veritas ID		WNL092		WNL093		
Sampling Date		2023/07/22		2023/07/22		
COC Number		738239		738239		
	UNITS	FB-23-1	QC Batch	TB-23-1	RDL	QC Batch
Dissolved Lithium (Li)	ug/L	<0.50	8834723	<0.50	0.50	8834723
Total Lithium (Li)	ug/L	<0.50	8842348	<0.50	0.50	8842348
Dissolved Manganese (Mn)	ug/L	<0.050	8834723	0.070	0.050	8834723
Total Manganese (Mn)	ug/L	0.064	8842348	<0.050	0.050	8842348
Dissolved Molybdenum (Mo)	ug/L	<0.050	8834723	<0.050	0.050	8834723
Total Molybdenum (Mo)	ug/L	11.9	8842348	<0.050	0.050	8842348
Dissolved Nickel (Ni)	ug/L	<0.020	8834723	<0.020	0.020	8834723
Total Nickel (Ni)	ug/L	56.1	8842348	<0.020	0.020	8842348
Dissolved Selenium (Se)	ug/L	<0.040	8834723	<0.040	0.040	8834723
Total Selenium (Se)	ug/L	<0.040	8842348	<0.040	0.040	8842348
Dissolved Silver (Ag)	ug/L	<0.0050	8834723	<0.0050	0.0050	8834723
Total Silver (Ag)	ug/L	<0.0050	8842348	<0.0050	0.0050	8842348
Dissolved Strontium (Sr)	ug/L	<0.050	8834723	<0.050	0.050	8834723
Total Strontium (Sr)	ug/L	<0.050	8842348	<0.050	0.050	8842348
Dissolved Thallium (Tl)	ug/L	<0.0020	8834723	<0.0020	0.0020	8834723
Total Thallium (Tl)	ug/L	<0.0020	8842348	<0.0020	0.0020	8842348
Dissolved Tin (Sn)	ug/L	<0.20	8834723	<0.20	0.20	8834723
Total Tin (Sn)	ug/L	<0.20	8842348	<0.20	0.20	8842348
Dissolved Titanium (Ti)	ug/L	<0.50	8834723	<0.50	0.50	8834723
Total Titanium (Ti)	ug/L	<0.50	8842348	<0.50	0.50	8842348
Dissolved Uranium (U)	ug/L	<0.0020	8834723	<0.0020	0.0020	8834723
Total Uranium (U)	ug/L	<0.0020	8842348	<0.0020	0.0020	8842348
Dissolved Vanadium (V)	ug/L	<0.20	8834723	<0.20	0.20	8834723
Total Vanadium (V)	ug/L	<0.20	8842348	<0.20	0.20	8842348
Dissolved Zinc (Zn)	ug/L	<0.10	8834723	0.12	0.10	8834723
Total Zinc (Zn)	ug/L	<0.10	8842348	0.22	0.10	8842348
Dissolved Calcium (Ca)	mg/L	<0.050	8842349	<0.050	0.050	8842349
Total Calcium (Ca)	mg/L	<0.050	8842347	<0.050	0.050	8842347
Dissolved Magnesium (Mg)	mg/L	<0.050	8842349	<0.050	0.050	8842349
Total Magnesium (Mg)	mg/L	<0.050	8842347	<0.050	0.050	8842347
Dissolved Potassium (K)	mg/L	<0.050	8842349	<0.050	0.050	8842349
Total Potassium (K)	mg/L	<0.050	8842347	<0.050	0.050	8842347
RDL = Reportable Detection Limit						
QC Batch = Quality Control Batch						



**BUREAU
VERITAS**

Bureau Veritas Job #: C3M6503
Report Date: 2023/08/11

Agnico Eagle
Client Project #: MBK GW
Your P.O. #: 1248940
Sampler Initials: IW

RESULTS OF ANALYSES OF GROUND WATER

Bureau Veritas ID		WNL092		WNL093		
Sampling Date		2023/07/22		2023/07/22		
COC Number		738239		738239		
	UNITS	FB-23-1	QC Batch	TB-23-1	RDL	QC Batch
Dissolved Sodium (Na)	mg/L	<0.050	8842349	<0.050	0.050	8842349
Total Sodium (Na)	mg/L	<0.050	8842347	<0.050	0.050	8842347
RDL = Reportable Detection Limit QC Batch = Quality Control Batch						



BUREAU
VERITAS

Bureau Veritas Job #: C3M6503
Report Date: 2023/08/11

Agnico Eagle
Client Project #: MBK GW
Your P.O. #: 1248940
Sampler Initials: IW

ELEMENTS BY ATOMIC SPECTROSCOPY (GROUND WATER)

Bureau Veritas ID		WNL082	WNL083		WNL084		WNL085		
Sampling Date		2023/07/19 13:45	2023/07/19 13:45		2023/07/20 14:00		2023/07/20 14:00		
COC Number		738239	738239		738239		738239		
	UNITS	MW-IPD-09a	MW-IPD-09B	QC Batch	MW-IPD-07A	QC Batch	MW-IPD-07B	RDL	QC Batch

Calculated Parameters									
Total Hardness (CaCO3)	mg/L	67.0	68.4	8842346	76.2	8842346	75.4	0.50	8842346
Metals									
Dissolved Calcium (Ca)	mg/L	18	18	8819213	19	8819213	19	0.05	8819213
Dissolved Magnesium (Mg)	mg/L	8.3	8.2	8819213	9.7	8819213	9.6	0.05	8819213
Mercury (Hg)	mg/L	<0.00001	<0.00001	8829001	<0.00001	8826592	<0.00001	0.00001	8829001
Dissolved Mercury (Hg)	mg/L	<0.00001	<0.00001	8823132	<0.00001	8823132	<0.00001	0.00001	8823132
Dissolved Potassium (K)	mg/L	1	1	8819213	2	8819213	2	1	8819213
Dissolved Sodium (Na)	mg/L	22	22	8819213	27	8819213	27	0.5	8819213
RDL = Reportable Detection Limit QC Batch = Quality Control Batch									

Bureau Veritas ID		WNL086	WNL087		WNL088	WNL089			
Sampling Date		2023/07/21 14:00	2023/07/21 14:00		2023/07/22 15:30	2023/07/22 15:30			
COC Number		738239	738239		738239	738239			
	UNITS	MW-IPD-01(S)A	MW-IPD-01(S)B	QC Batch	MW-IPD-01(D)A	MW-IPD-01(D)B	RDL	QC Batch	

Calculated Parameters									
Total Hardness (CaCO3)	mg/L	55.6	54.4	8842346	108	110	0.50	8842346	
Metals									
Dissolved Calcium (Ca)	mg/L	15	15	8819213	25	26	0.05	8819213	
Dissolved Magnesium (Mg)	mg/L	6.0	6.0	8819213	15	15	0.05	8819213	
Mercury (Hg)	mg/L	<0.00001	<0.00001	8829001	<0.00001	<0.00001	0.00001	8826592	
Dissolved Mercury (Hg)	mg/L	<0.00001	<0.00001	8823132	<0.00001	<0.00001	0.00001	8823132	
Dissolved Potassium (K)	mg/L	2	2	8819213	1	1	1	8819213	
Dissolved Sodium (Na)	mg/L	4.3	4.4	8819213	25	26	0.5	8819213	
RDL = Reportable Detection Limit QC Batch = Quality Control Batch									



BUREAU
VERITAS

Bureau Veritas Job #: C3M6503
Report Date: 2023/08/11

Agnico Eagle
Client Project #: MBK GW
Your P.O. #: 1248940
Sampler Initials: IW

ELEMENTS BY ATOMIC SPECTROSCOPY (GROUND WATER)

Bureau Veritas ID		WNL090	WNL091			WNL092		WNL093		
Sampling Date		2023/07/23 15:00	2023/07/23 15:00			2023/07/22		2023/07/22		
COC Number		738239	738239			738239		738239		
	UNITS	MW-16-01A	MW-16-01B	RDL	QC Batch	FB-23-1	QC Batch	TB-23-1	RDL	QC Batch
Calculated Parameters										
Total Hardness (CaCO3)	mg/L	819	868	0.50	8842346	<0.50	8842346	<0.50	0.50	8842346
Metals										
Dissolved Calcium (Ca)	mg/L	240	230	0.05	8819213	<0.05	8819213	<0.05	0.05	8819213
Dissolved Magnesium (Mg)	mg/L	84	82	0.05	8819213	<0.05	8819213	<0.05	0.05	8819213
Mercury (Hg)	mg/L	<0.00010	<0.00010	0.00010	8831505	<0.00001	8829001	<0.00001	0.00001	8826592
Dissolved Mercury (Hg)	mg/L	<0.00001	<0.00001	0.00001	8823132	<0.00001	8823132	<0.00001	0.00001	8823132
Dissolved Potassium (K)	mg/L	22	21	1	8819213	<1	8819213	<1	1	8819213
Dissolved Sodium (Na)	mg/L	300	290	0.5	8819213	<0.5	8819213	<0.5	0.5	8819213
RDL = Reportable Detection Limit QC Batch = Quality Control Batch										



BUREAU
VERITAS

Bureau Veritas Job #: C3M6503
Report Date: 2023/08/11

Agnico Eagle
Client Project #: MBK GW
Your P.O. #: 1248940
Sampler Initials: IW

TEST SUMMARY

Bureau Veritas ID: WNL082
Sample ID: MW-IPD-09a
Matrix: Ground Water

Collected: 2023/07/19
Shipped:
Received: 2023/07/28

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
Alkalinity	AT	8821552	N/A	2023/08/01	Surinder Rai
Carbonate, Bicarbonate and Hydroxide	CALC	8821192	N/A	2023/08/01	Automated Statchk
Anions	IC	8820041	N/A	2023/07/31	Lusine Khachatryan
Chloride by Automated Colourimetry	KONE	8821536	N/A	2023/07/31	Yogesh Patel
Conductivity	AT	8821553	N/A	2023/08/01	Surinder Rai
Dissolved Organic Carbon (DOC)	TOCV/NDIR	8822835	N/A	2023/07/31	Nimarta Singh
Fluoride	ISE	8821555	2023/07/29	2023/08/01	Surinder Rai
Dissolved Mercury (low level)	CV/AA	8823132	2023/07/31	2023/08/01	Jaswinder Kaur
Mercury (low level)	CV/AA	8829001	2023/08/02	2023/08/02	Jaswinder Kaur
Lab Filtered Metals Analysis by ICP	ICP	8819213	2023/07/29	2023/08/01	Suban Kanapathipplai
Low Level Chloride and Sulphate by AC	KONE	8841946	N/A	2023/08/08	Shanna McKort
Cyanide (Free)	SPEC	8842192	N/A	2023/08/03	Amy Phan
Cyanide, Strong Acid Dissociable (SAD)	TECH/UVVS	8842193	2023/08/08	2023/08/08	Taylor Mullings
Cyanide WAD (weak acid dissociable)	TECH	8842194	N/A	2023/08/08	Taylor Mullings
Hardness Total (calculated as CaCO3)	CALC	8842346	N/A	2023/08/04	Automated Statchk
Na, K, Ca, Mg, S by CRC ICPMS (diss.)	ICP	8842349	N/A	2023/08/04	Automated Statchk
Elements by ICPMS Low Level (dissolved)	ICP/MS	8834723	N/A	2023/08/03	Andrew An
Na, K, Ca, Mg, S by CRC ICPMS (total)	ICP	8842347	N/A	2023/08/04	Automated Statchk
Elements by ICPMS Low Level (total)	ICP/MS	8842348	N/A	2023/08/04	Andrew An
Silica (Reactive)	KONE	8841947	N/A	2023/08/09	Shanna McKort
Total Phosphorus Low Level Total	KONE	8842195	2023/08/04	2023/08/05	Carlo Truong
Total Ammonia (as NH3)	CALC	8821194	N/A	2023/08/03	Automated Statchk
Ammonium as NH4+	CALC/NH3	8821195	N/A	2023/08/03	Automated Statchk
Total Ammonia-N	LACH/NH4	8823472	N/A	2023/08/03	Prabhjot Kaur
Nitrate & Nitrite as Nitrogen in Water	LACH	8821547	N/A	2023/07/31	Chandra Nandlal
pH	AT	8821554	2023/07/29	2023/08/01	Surinder Rai
Field Measured pH	PH	ONSITE	N/A	2023/07/28	Raj Jagdish Masani
Orthophosphate	KONE	8821534	N/A	2023/07/31	Yogesh Patel
Redox Potential	COND	8822605	2023/07/31	2023/08/01	Gurpartee KAU
Sodium Adsorption Ratio (SAR)	CALC/MET	8821193	N/A	2023/08/03	Automated Statchk
Total Dissolved Solids (TDS calc)	CALC	8821191	N/A	2023/08/11	Automated Statchk
Total Dissolved Solids	BAL	8825404	2023/08/01	2023/08/02	Tina Teng
Field Measured pH	PH	ONSITE	N/A	2023/07/28	Raj Jagdish Masani
Total Kjeldahl Nitrogen in Water	SKAL	8828284	2023/08/02	2023/08/03	Kruti Jitesh Patel
Total Organic Carbon (TOC)	TOCV/NDIR	8828008	N/A	2023/08/02	Shivani Shivani
Low Level Total Suspended Solids	BAL	8823405	2023/08/01	2023/08/02	Razieh Tabesh
Turbidity	AT	8821429	N/A	2023/07/29	Leily Karimi
Un-ionized Ammonia (as N)	CALC	8821196	2023/08/03	2023/08/03	Automated Statchk

Bureau Veritas ID: WNL082 Dup
Sample ID: MW-IPD-09a
Matrix: Ground Water

Collected: 2023/07/19
Shipped:
Received: 2023/07/28

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
Elements by ICPMS Low Level (total)	ICP/MS	8842348	N/A	2023/08/04	Andrew An



BUREAU
VERITAS

Bureau Veritas Job #: C3M6503
Report Date: 2023/08/11

Agnico Eagle
Client Project #: MBK GW
Your P.O. #: 1248940
Sampler Initials: IW

TEST SUMMARY

Bureau Veritas ID: WNL082 Dup
Sample ID: MW-IPD-09a
Matrix: Ground Water

Collected: 2023/07/19
Shipped:
Received: 2023/07/28

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
Low Level Total Suspended Solids	BAL	8823405	2023/08/01	2023/08/02	Razieh Tabesh

Bureau Veritas ID: WNL083
Sample ID: MW-IPD-09B
Matrix: Ground Water

Collected: 2023/07/19
Shipped:
Received: 2023/07/28

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
Alkalinity	AT	8821552	N/A	2023/08/01	Surinder Rai
Carbonate, Bicarbonate and Hydroxide	CALC	8821192	N/A	2023/08/01	Automated Statchk
Anions	IC	8820041	N/A	2023/07/31	Lusine Khachatryan
Chloride by Automated Colourimetry	KONE	8821536	N/A	2023/07/31	Yogesh Patel
Conductivity	AT	8821553	N/A	2023/08/01	Surinder Rai
Dissolved Organic Carbon (DOC)	TOCV/NDIR	8822724	N/A	2023/07/31	Shivani Shivani
Fluoride	ISE	8821555	2023/07/29	2023/08/01	Surinder Rai
Dissolved Mercury (low level)	CV/AA	8823132	2023/07/31	2023/08/01	Jaswinder Kaur
Mercury (low level)	CV/AA	8829001	2023/08/02	2023/08/02	Jaswinder Kaur
Lab Filtered Metals Analysis by ICP	ICP	8819213	2023/07/29	2023/08/01	Suban Kanapathipplai
Low Level Chloride and Sulphate by AC	KONE	8841946	N/A	2023/08/08	Shanna McKort
Cyanide (Free)	SPEC	8842192	N/A	2023/08/03	Amy Phan
Cyanide, Strong Acid Dissociable (SAD)	TECH/UVVS	8842193	2023/08/08	2023/08/08	Taylor Mullings
Cyanide WAD (weak acid dissociable)	TECH	8842194	N/A	2023/08/08	Taylor Mullings
Hardness Total (calculated as CaCO3)	CALC	8842346	N/A	2023/08/04	Automated Statchk
Na, K, Ca, Mg, S by CRC ICPMS (diss.)	ICP	8842349	N/A	2023/08/04	Automated Statchk
Elements by ICPMS Low Level (dissolved)	ICP/MS	8834723	N/A	2023/08/03	Andrew An
Na, K, Ca, Mg, S by CRC ICPMS (total)	ICP	8842347	N/A	2023/08/04	Automated Statchk
Elements by ICPMS Low Level (total)	ICP/MS	8842348	N/A	2023/08/04	Andrew An
Silica (Reactive)	KONE	8842196	N/A	2023/08/09	Shanna McKort
Total Phosphorus Low Level Total	KONE	8842195	2023/08/04	2023/08/05	Carlo Truong
Total Ammonia (as NH3)	CALC	8821194	N/A	2023/08/03	Automated Statchk
Ammonium as NH4+	CALC/NH3	8821195	N/A	2023/08/11	Automated Statchk
Total Ammonia-N	LACH/NH4	8823472	N/A	2023/08/03	Prabhjot Kaur
Nitrate & Nitrite as Nitrogen in Water	LACH	8821547	N/A	2023/07/31	Chandra Nandlal
pH	AT	8821554	2023/07/29	2023/08/01	Surinder Rai
Field Measured pH	PH	ONSITE	N/A	2023/08/11	Katherine Szozda
Orthophosphate	KONE	8821534	N/A	2023/07/31	Yogesh Patel
Redox Potential	COND	8822605	2023/07/31	2023/08/01	Gurpartee Kaur
Sodium Adsorption Ratio (SAR)	CALC/MET	8821193	N/A	2023/08/03	Automated Statchk
Total Dissolved Solids (TDS calc)	CALC	8821191	N/A	2023/08/11	Automated Statchk
Total Dissolved Solids	BAL	8825404	2023/08/01	2023/08/02	Tina Teng
Field Measured pH	PH	ONSITE	N/A	2023/08/11	Katherine Szozda
Total Kjeldahl Nitrogen in Water	SKAL	8828284	2023/08/02	2023/08/03	Kruti Jitesh Patel
Total Organic Carbon (TOC)	TOCV/NDIR	8828008	N/A	2023/08/02	Shivani Shivani
Low Level Total Suspended Solids	BAL	8823405	2023/08/01	2023/08/02	Razieh Tabesh
Turbidity	AT	8821429	N/A	2023/07/29	Leily Karimi
Un-ionized Ammonia (as N)	CALC	8821196	2023/08/11	2023/08/11	Automated Statchk



BUREAU
VERITAS

Bureau Veritas Job #: C3M6503
Report Date: 2023/08/11

Agnico Eagle
Client Project #: MBK GW
Your P.O. #: 1248940
Sampler Initials: IW

TEST SUMMARY

Bureau Veritas ID: WNL083 Dup
Sample ID: MW-IPD-09B
Matrix: Ground Water

Collected: 2023/07/19
Shipped:
Received: 2023/07/28

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
Silica (Reactive)	KONE	8842196	N/A	2023/08/08	Shanna McKort

Bureau Veritas ID: WNL084
Sample ID: MW-IPD-07A
Matrix: Ground Water

Collected: 2023/07/20
Shipped:
Received: 2023/07/28

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
Alkalinity	AT	8821552	N/A	2023/08/01	Surinder Rai
Carbonate, Bicarbonate and Hydroxide	CALC	8821192	N/A	2023/08/01	Automated Statchk
Anions	IC	8820041	N/A	2023/07/31	Lusine Khachatryan
Chloride by Automated Colourimetry	KONE	8821536	N/A	2023/07/31	Yogesh Patel
Conductivity	AT	8821553	N/A	2023/08/01	Surinder Rai
Dissolved Organic Carbon (DOC)	TOCV/NDIR	8822724	N/A	2023/07/31	Shivani Shivani
Fluoride	ISE	8821555	2023/07/29	2023/08/01	Surinder Rai
Dissolved Mercury (low level)	CV/AA	8823132	2023/07/31	2023/08/01	Jaswinder Kaur
Mercury (low level)	CV/AA	8826592	2023/08/01	2023/08/02	Jaswinder Kaur
Lab Filtered Metals Analysis by ICP	ICP	8819213	2023/07/29	2023/08/01	Suban Kanapathipplai
Low Level Chloride and Sulphate by AC	KONE	8841946	N/A	2023/08/08	Shanna McKort
Cyanide (Free)	SPEC	8842192	N/A	2023/08/03	Amy Phan
Cyanide, Strong Acid Dissociable (SAD)	TECH/UVVS	8842193	2023/08/08	2023/08/08	Taylor Mullings
Cyanide WAD (weak acid dissociable)	TECH	8842194	N/A	2023/08/08	Taylor Mullings
Hardness Total (calculated as CaCO3)	CALC	8842346	N/A	2023/08/04	Automated Statchk
Na, K, Ca, Mg, S by CRC ICPMS (diss.)	ICP	8842349	N/A	2023/08/04	Automated Statchk
Elements by ICPMS Low Level (dissolved)	ICP/MS	8834723	N/A	2023/08/03	Andrew An
Na, K, Ca, Mg, S by CRC ICPMS (total)	ICP	8842347	N/A	2023/08/04	Automated Statchk
Elements by ICPMS Low Level (total)	ICP/MS	8842348	N/A	2023/08/04	Andrew An
Silica (Reactive)	KONE	8841947	N/A	2023/08/08	Shanna McKort
Total Phosphorus Low Level Total	KONE	8842195	2023/08/04	2023/08/05	Carlo Truong
Total Ammonia (as NH3)	CALC	8821194	N/A	2023/08/03	Automated Statchk
Ammonium as NH4+	CALC/NH3	8821195	N/A	2023/08/11	Automated Statchk
Total Ammonia-N	LACH/NH4	8823472	N/A	2023/08/03	Prabhjot Kaur
Nitrate & Nitrite as Nitrogen in Water	LACH	8821547	N/A	2023/07/31	Chandra Nandlal
pH	AT	8821554	2023/07/29	2023/08/01	Surinder Rai
Field Measured pH	PH	ONSITE	N/A	2023/08/11	Katherine Szozda
Orthophosphate	KONE	8821534	N/A	2023/07/31	Yogesh Patel
Redox Potential	COND	8822605	2023/07/31	2023/08/01	Gurpartee KAUAR
Sodium Adsorption Ratio (SAR)	CALC/MET	8821193	N/A	2023/08/03	Automated Statchk
Total Dissolved Solids (TDS calc)	CALC	8821191	N/A	2023/08/11	Automated Statchk
Total Dissolved Solids	BAL	8825404	2023/08/01	2023/08/02	Tina Teng
Field Measured pH	PH	ONSITE	N/A	2023/08/11	Katherine Szozda
Total Kjeldahl Nitrogen in Water	SKAL	8828284	2023/08/02	2023/08/03	Kruti Jitesh Patel
Total Organic Carbon (TOC)	TOCV/NDIR	8828008	N/A	2023/08/02	Shivani Shivani
Low Level Total Suspended Solids	BAL	8823405	2023/08/01	2023/08/02	Razieh Tabesh
Turbidity	AT	8821429	N/A	2023/07/29	Leily Karimi
Un-ionized Ammonia (as N)	CALC	8821196	2023/08/11	2023/08/11	Automated Statchk



BUREAU
VERITAS

Bureau Veritas Job #: C3M6503
Report Date: 2023/08/11

Agnico Eagle
Client Project #: MBK GW
Your P.O. #: 1248940
Sampler Initials: IW

TEST SUMMARY

Bureau Veritas ID: WNL085
Sample ID: MW-IPD-07B
Matrix: Ground Water

Collected: 2023/07/20
Shipped:
Received: 2023/07/28

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
Alkalinity	AT	8821552	N/A	2023/08/01	Surinder Rai
Carbonate, Bicarbonate and Hydroxide	CALC	8821192	N/A	2023/08/01	Automated Statchk
Anions	IC	8820041	N/A	2023/07/31	Lusine Khachatryan
Chloride by Automated Colourimetry	KONE	8821536	N/A	2023/07/31	Yogesh Patel
Conductivity	AT	8821553	N/A	2023/08/01	Surinder Rai
Dissolved Organic Carbon (DOC)	TOCV/NDIR	8822835	N/A	2023/07/31	Nimarta Singh
Fluoride	ISE	8821555	2023/07/29	2023/08/01	Surinder Rai
Dissolved Mercury (low level)	CV/AA	8823132	2023/07/31	2023/08/01	Jaswinder Kaur
Mercury (low level)	CV/AA	8829001	2023/08/02	2023/08/02	Jaswinder Kaur
Lab Filtered Metals Analysis by ICP	ICP	8819213	2023/07/29	2023/08/01	Suban Kanapathipplai
Low Level Chloride and Sulphate by AC	KONE	8841946	N/A	2023/08/08	Shanna McKort
Cyanide (Free)	SPEC	8842192	N/A	2023/08/03	Amy Phan
Cyanide, Strong Acid Dissociable (SAD)	TECH/UVVS	8842193	2023/08/08	2023/08/08	Taylor Mullings
Cyanide WAD (weak acid dissociable)	TECH	8842194	N/A	2023/08/08	Taylor Mullings
Hardness Total (calculated as CaCO3)	CALC	8842346	N/A	2023/08/04	Automated Statchk
Na, K, Ca, Mg, S by CRC ICPMS (diss.)	ICP	8842349	N/A	2023/08/04	Automated Statchk
Elements by ICPMS Low Level (dissolved)	ICP/MS	8834723	N/A	2023/08/03	Andrew An
Na, K, Ca, Mg, S by CRC ICPMS (total)	ICP	8842347	N/A	2023/08/04	Automated Statchk
Elements by ICPMS Low Level (total)	ICP/MS	8842348	N/A	2023/08/04	Andrew An
Silica (Reactive)	KONE	8841947	N/A	2023/08/08	Shanna McKort
Total Phosphorus Low Level Total	KONE	8842195	2023/08/04	2023/08/05	Carlo Truong
Total Ammonia (as NH3)	CALC	8821194	N/A	2023/08/03	Automated Statchk
Ammonium as NH4+	CALC/NH3	8821195	N/A	2023/08/11	Automated Statchk
Total Ammonia-N	LACH/NH4	8823472	N/A	2023/08/03	Prabhjot Kaur
Nitrate & Nitrite as Nitrogen in Water	LACH	8821321	N/A	2023/07/31	Chandra Nandlal
pH	AT	8821554	2023/07/29	2023/08/01	Surinder Rai
Field Measured pH	PH	ONSITE	N/A	2023/08/11	Katherine Szozda
Orthophosphate	KONE	8821534	N/A	2023/07/31	Yogesh Patel
Redox Potential	COND	8822605	2023/07/31	2023/08/01	Gurpartee KAU
Sodium Adsorption Ratio (SAR)	CALC/MET	8821193	N/A	2023/08/03	Automated Statchk
Total Dissolved Solids (TDS calc)	CALC	8821191	N/A	2023/08/11	Automated Statchk
Total Dissolved Solids	BAL	8825404	2023/08/01	2023/08/02	Tina Teng
Field Measured pH	PH	ONSITE	N/A	2023/08/11	Katherine Szozda
Total Kjeldahl Nitrogen in Water	SKAL	8828284	2023/08/02	2023/08/03	Kruti Jitesh Patel
Total Organic Carbon (TOC)	TOCV/NDIR	8828008	N/A	2023/08/02	Shivani Shivani
Low Level Total Suspended Solids	BAL	8823405	2023/08/01	2023/08/02	Razieh Tabesh
Turbidity	AT	8821429	N/A	2023/07/29	Leily Karimi
Un-ionized Ammonia (as N)	CALC	8821196	2023/08/11	2023/08/11	Automated Statchk

Bureau Veritas ID: WNL086
Sample ID: MW-IPD-01(S)A
Matrix: Ground Water

Collected: 2023/07/21
Shipped:
Received: 2023/07/28

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
Alkalinity	AT	8821552	N/A	2023/08/01	Surinder Rai



BUREAU
VERITAS

Bureau Veritas Job #: C3M6503
Report Date: 2023/08/11

Agnico Eagle
Client Project #: MBK GW
Your P.O. #: 1248940
Sampler Initials: IW

TEST SUMMARY

Bureau Veritas ID: WNL086
Sample ID: MW-IPD-01(S)A
Matrix: Ground Water

Collected: 2023/07/21
Shipped:
Received: 2023/07/28

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
Carbonate, Bicarbonate and Hydroxide	CALC	8821192	N/A	2023/08/01	Automated Statchk
Anions	IC	8820041	N/A	2023/07/31	Lusine Khachatryan
Chloride by Automated Colourimetry	KONE	8821536	N/A	2023/07/31	Yogesh Patel
Conductivity	AT	8821553	N/A	2023/08/01	Surinder Rai
Dissolved Organic Carbon (DOC)	TOCV/NDIR	8822835	N/A	2023/07/31	Nimarta Singh
Fluoride	ISE	8821555	2023/07/29	2023/08/01	Surinder Rai
Dissolved Mercury (low level)	CV/AA	8823132	2023/07/31	2023/08/01	Jaswinder Kaur
Mercury (low level)	CV/AA	8829001	2023/08/02	2023/08/02	Jaswinder Kaur
Lab Filtered Metals Analysis by ICP	ICP	8819213	2023/07/29	2023/08/01	Suban Kanapathipplai
Low Level Chloride and Sulphate by AC	KONE	8841946	N/A	2023/08/08	Shanna McKort
Cyanide (Free)	SPEC	8842192	N/A	2023/08/03	Amy Phan
Cyanide, Strong Acid Dissociable (SAD)	TECH/UVVS	8842193	2023/08/08	2023/08/08	Taylor Mullings
Cyanide WAD (weak acid dissociable)	TECH	8842194	N/A	2023/08/08	Taylor Mullings
Hardness Total (calculated as CaCO3)	CALC	8842346	N/A	2023/08/04	Automated Statchk
Na, K, Ca, Mg, S by CRC ICPMS (diss.)	ICP	8842349	N/A	2023/08/04	Automated Statchk
Elements by ICPMS Low Level (dissolved)	ICP/MS	8834723	N/A	2023/08/03	Andrew An
Na, K, Ca, Mg, S by CRC ICPMS (total)	ICP	8842347	N/A	2023/08/04	Automated Statchk
Elements by ICPMS Low Level (total)	ICP/MS	8842348	N/A	2023/08/04	Andrew An
Silica (Reactive)	KONE	8841947	N/A	2023/08/08	Shanna McKort
Total Phosphorus Low Level Total	KONE	8842195	2023/08/04	2023/08/05	Carlo Truong
Total Ammonia (as NH3)	CALC	8821194	N/A	2023/08/03	Automated Statchk
Ammonium as NH4+	CALC/NH3	8821195	N/A	2023/08/11	Automated Statchk
Total Ammonia-N	LACH/NH4	8823472	N/A	2023/08/03	Prabhjot Kaur
Nitrate & Nitrite as Nitrogen in Water	LACH	8821547	N/A	2023/07/31	Chandra Nandlal
pH	AT	8821554	2023/07/29	2023/08/01	Surinder Rai
Field Measured pH	PH	ONSITE	N/A	2023/08/11	Katherine Szozda
Orthophosphate	KONE	8821534	N/A	2023/07/31	Yogesh Patel
Redox Potential	COND	8822605	2023/07/31	2023/08/01	Gurpartee KAU
Sodium Adsorption Ratio (SAR)	CALC/MET	8821193	N/A	2023/08/03	Automated Statchk
Total Dissolved Solids (TDS calc)	CALC	8821191	N/A	2023/08/11	Automated Statchk
Total Dissolved Solids	BAL	8825404	2023/08/01	2023/08/02	Tina Teng
Field Measured pH	PH	ONSITE	N/A	2023/08/11	Katherine Szozda
Total Kjeldahl Nitrogen in Water	SKAL	8828284	2023/08/02	2023/08/03	Kruti Jitesh Patel
Total Organic Carbon (TOC)	TOCV/NDIR	8828008	N/A	2023/08/02	Shivani Shivani
Low Level Total Suspended Solids	BAL	8823405	2023/08/01	2023/08/02	Razieh Tabesh
Turbidity	AT	8821429	N/A	2023/07/29	Leily Karimi
Un-ionized Ammonia (as N)	CALC	8821196	2023/08/11	2023/08/11	Automated Statchk

Bureau Veritas ID: WNL087
Sample ID: MW-IPD-01(S)B
Matrix: Ground Water

Collected: 2023/07/21
Shipped:
Received: 2023/07/28

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
Alkalinity	AT	8821552	N/A	2023/08/01	Surinder Rai
Carbonate, Bicarbonate and Hydroxide	CALC	8821192	N/A	2023/08/01	Automated Statchk



BUREAU
VERITAS

Bureau Veritas Job #: C3M6503
Report Date: 2023/08/11

Agnico Eagle
Client Project #: MBK GW
Your P.O. #: 1248940
Sampler Initials: IW

TEST SUMMARY

Bureau Veritas ID: WNL087
Sample ID: MW-IPD-01(S)B
Matrix: Ground Water

Collected: 2023/07/21
Shipped:
Received: 2023/07/28

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
Anions	IC	8820041	N/A	2023/07/31	Lusine Khachatryan
Chloride by Automated Colourimetry	KONE	8821536	N/A	2023/07/31	Yogesh Patel
Conductivity	AT	8821553	N/A	2023/08/01	Surinder Rai
Dissolved Organic Carbon (DOC)	TOCV/NDIR	8822724	N/A	2023/07/31	Shivani Shivani
Fluoride	ISE	8821555	2023/07/29	2023/08/01	Surinder Rai
Dissolved Mercury (low level)	CV/AA	8823132	2023/07/31	2023/08/01	Jaswinder Kaur
Mercury (low level)	CV/AA	8829001	2023/08/02	2023/08/02	Jaswinder Kaur
Lab Filtered Metals Analysis by ICP	ICP	8819213	2023/07/29	2023/08/01	Suban Kanapathipplai
Low Level Chloride and Sulphate by AC	KONE	8841946	N/A	2023/08/08	Shanna McKort
Cyanide (Free)	SPEC	8842192	N/A	2023/08/03	Amy Phan
Cyanide, Strong Acid Dissociable (SAD)	TECH/UVVS	8842193	2023/08/08	2023/08/08	Taylor Mullings
Cyanide WAD (weak acid dissociable)	TECH	8842194	N/A	2023/08/08	Taylor Mullings
Hardness Total (calculated as CaCO3)	CALC	8842346	N/A	2023/08/04	Automated Statchk
Na, K, Ca, Mg, S by CRC ICPMS (diss.)	ICP	8842349	N/A	2023/08/04	Automated Statchk
Elements by ICPMS Low Level (dissolved)	ICP/MS	8834723	N/A	2023/08/03	Andrew An
Na, K, Ca, Mg, S by CRC ICPMS (total)	ICP	8842347	N/A	2023/08/04	Automated Statchk
Elements by ICPMS Low Level (total)	ICP/MS	8842348	N/A	2023/08/04	Andrew An
Silica (Reactive)	KONE	8841947	N/A	2023/08/08	Shanna McKort
Total Phosphorus Low Level Total	KONE	8842195	2023/08/04	2023/08/05	Carlo Truong
Total Ammonia (as NH3)	CALC	8821194	N/A	2023/08/03	Automated Statchk
Ammonium as NH4+	CALC/NH3	8821195	N/A	2023/08/11	Automated Statchk
Total Ammonia-N	LACH/NH4	8823472	N/A	2023/08/03	Prabhjot Kaur
Nitrate & Nitrite as Nitrogen in Water	LACH	8821321	N/A	2023/07/31	Chandra Nandlal
pH	AT	8821554	2023/07/29	2023/08/01	Surinder Rai
Field Measured pH	PH	ONSITE	N/A	2023/08/11	Katherine Szozda
Orthophosphate	KONE	8821534	N/A	2023/07/31	Yogesh Patel
Redox Potential	COND	8822605	2023/07/31	2023/08/01	Gurpartee KAU
Sodium Adsorption Ratio (SAR)	CALC/MET	8821193	N/A	2023/08/03	Automated Statchk
Total Dissolved Solids (TDS calc)	CALC	8821191	N/A	2023/08/11	Automated Statchk
Total Dissolved Solids	BAL	8825404	2023/08/01	2023/08/02	Tina Teng
Field Measured pH	PH	ONSITE	N/A	2023/08/11	Katherine Szozda
Total Kjeldahl Nitrogen in Water	SKAL	8828284	2023/08/02	2023/08/03	Kruti Jitesh Patel
Total Organic Carbon (TOC)	TOCV/NDIR	8828008	N/A	2023/08/02	Shivani Shivani
Low Level Total Suspended Solids	BAL	8823405	2023/08/01	2023/08/02	Razieh Tabesh
Turbidity	AT	8821429	N/A	2023/07/29	Leily Karimi
Un-ionized Ammonia (as N)	CALC	8821196	2023/08/11	2023/08/11	Automated Statchk

Bureau Veritas ID: WNL088
Sample ID: MW-IPD-01(D)A
Matrix: Ground Water

Collected: 2023/07/22
Shipped:
Received: 2023/07/28

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
Alkalinity	AT	8821552	N/A	2023/08/01	Surinder Rai
Carbonate, Bicarbonate and Hydroxide	CALC	8821192	N/A	2023/08/01	Automated Statchk
Anions	IC	8820041	N/A	2023/07/31	Lusine Khachatryan



BUREAU
VERITAS

Bureau Veritas Job #: C3M6503
Report Date: 2023/08/11

Agnico Eagle
Client Project #: MBK GW
Your P.O. #: 1248940
Sampler Initials: IW

TEST SUMMARY

Bureau Veritas ID: WNL088
Sample ID: MW-IPD-01(D)A
Matrix: Ground Water

Collected: 2023/07/22
Shipped:
Received: 2023/07/28

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
Chloride by Automated Colourimetry	KONE	8821536	N/A	2023/07/31	Yogesh Patel
Conductivity	AT	8821553	N/A	2023/08/01	Surinder Rai
Dissolved Organic Carbon (DOC)	TOCV/NDIR	8822835	N/A	2023/07/31	Nimarta Singh
Fluoride	ISE	8821555	2023/07/29	2023/08/01	Surinder Rai
Dissolved Mercury (low level)	CV/AA	8823132	2023/07/31	2023/08/01	Jaswinder Kaur
Mercury (low level)	CV/AA	8826592	2023/08/01	2023/08/02	Jaswinder Kaur
Lab Filtered Metals Analysis by ICP	ICP	8819213	2023/07/29	2023/08/01	Suban Kanapathipplai
Low Level Chloride and Sulphate by AC	KONE	8842140	N/A	2023/08/08	Shanna McKort
Cyanide (Free)	SPEC	8842192	N/A	2023/08/03	Amy Phan
Cyanide, Strong Acid Dissociable (SAD)	TECH/UVVS	8842193	2023/08/08	2023/08/08	Taylor Mullings
Cyanide WAD (weak acid dissociable)	TECH	8842194	N/A	2023/08/08	Taylor Mullings
Hardness Total (calculated as CaCO3)	CALC	8842346	N/A	2023/08/04	Automated Statchk
Na, K, Ca, Mg, S by CRC ICPMS (diss.)	ICP	8842349	N/A	2023/08/04	Automated Statchk
Elements by ICPMS Low Level (dissolved)	ICP/MS	8834723	N/A	2023/08/03	Andrew An
Na, K, Ca, Mg, S by CRC ICPMS (total)	ICP	8842347	N/A	2023/08/04	Automated Statchk
Elements by ICPMS Low Level (total)	ICP/MS	8842348	N/A	2023/08/04	Andrew An
Silica (Reactive)	KONE	8841947	N/A	2023/08/08	Shanna McKort
Total Phosphorus Low Level Total	KONE	8842195	2023/08/04	2023/08/05	Carlo Truong
Total Ammonia (as NH3)	CALC	8821194	N/A	2023/08/03	Automated Statchk
Ammonium as NH4+	CALC/NH3	8821195	N/A	2023/08/11	Automated Statchk
Total Ammonia-N	LACH/NH4	8823472	N/A	2023/08/03	Prabhjot Kaur
Nitrate & Nitrite as Nitrogen in Water	LACH	8821321	N/A	2023/07/31	Chandra Nandlal
pH	AT	8821554	2023/07/29	2023/08/01	Surinder Rai
Field Measured pH	PH	ONSITE	N/A	2023/08/11	Katherine Szozda
Orthophosphate	KONE	8821534	N/A	2023/07/31	Yogesh Patel
Redox Potential	COND	8822605	2023/07/31	2023/08/01	Gurpartee KAU
Sodium Adsorption Ratio (SAR)	CALC/MET	8821193	N/A	2023/08/03	Automated Statchk
Total Dissolved Solids (TDS calc)	CALC	8821191	N/A	2023/08/11	Automated Statchk
Total Dissolved Solids	BAL	8825404	2023/08/01	2023/08/02	Tina Teng
Field Measured pH	PH	ONSITE	N/A	2023/08/11	Katherine Szozda
Total Kjeldahl Nitrogen in Water	SKAL	8828284	2023/08/02	2023/08/03	Kruti Jitesh Patel
Total Organic Carbon (TOC)	TOCV/NDIR	8828008	N/A	2023/08/02	Shivani Shivani
Low Level Total Suspended Solids	BAL	8823405	2023/08/01	2023/08/02	Razieh Tabesh
Turbidity	AT	8821429	N/A	2023/07/29	Leily Karimi
Un-ionized Ammonia (as N)	CALC	8821196	2023/08/11	2023/08/11	Automated Statchk

Bureau Veritas ID: WNL088 Dup
Sample ID: MW-IPD-01(D)A
Matrix: Ground Water

Collected: 2023/07/22
Shipped:
Received: 2023/07/28

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
Redox Potential	COND	8822605	2023/07/31	2023/08/01	Gurpartee KAU



BUREAU
VERITAS

Bureau Veritas Job #: C3M6503
Report Date: 2023/08/11

Agnico Eagle
Client Project #: MBK GW
Your P.O. #: 1248940
Sampler Initials: IW

TEST SUMMARY

Bureau Veritas ID: WNL089
Sample ID: MW-IPD-01(D)B
Matrix: Ground Water

Collected: 2023/07/22
Shipped:
Received: 2023/07/28

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
Alkalinity	AT	8821552	N/A	2023/08/01	Surinder Rai
Carbonate, Bicarbonate and Hydroxide	CALC	8821192	N/A	2023/08/01	Automated Statchk
Anions	IC	8820041	N/A	2023/07/31	Lusine Khachatryan
Chloride by Automated Colourimetry	KONE	8821536	N/A	2023/07/31	Yogesh Patel
Conductivity	AT	8821553	N/A	2023/08/01	Surinder Rai
Dissolved Organic Carbon (DOC)	TOCV/NDIR	8822724	N/A	2023/07/31	Shivani Shivani
Fluoride	ISE	8821555	2023/07/29	2023/08/01	Surinder Rai
Dissolved Mercury (low level)	CV/AA	8823132	2023/07/31	2023/08/01	Jaswinder Kaur
Mercury (low level)	CV/AA	8826592	2023/08/01	2023/08/02	Jaswinder Kaur
Lab Filtered Metals Analysis by ICP	ICP	8819213	2023/07/29	2023/08/01	Suban Kanapathipplai
Low Level Chloride and Sulphate by AC	KONE	8842140	N/A	2023/08/08	Shanna McKort
Cyanide (Free)	SPEC	8842192	N/A	2023/08/03	Amy Phan
Cyanide, Strong Acid Dissociable (SAD)	TECH/UVVS	8842193	2023/08/08	2023/08/08	Taylor Mullings
Cyanide WAD (weak acid dissociable)	TECH	8842194	N/A	2023/08/08	Taylor Mullings
Hardness Total (calculated as CaCO3)	CALC	8842346	N/A	2023/08/04	Automated Statchk
Na, K, Ca, Mg, S by CRC ICPMS (diss.)	ICP	8842349	N/A	2023/08/04	Automated Statchk
Elements by ICPMS Low Level (dissolved)	ICP/MS	8842350	N/A	2023/08/03	Andrew An
Na, K, Ca, Mg, S by CRC ICPMS (total)	ICP	8842347	N/A	2023/08/04	Automated Statchk
Elements by ICPMS Low Level (total)	ICP/MS	8842348	N/A	2023/08/04	Andrew An
Silica (Reactive)	KONE	8841947	N/A	2023/08/08	Shanna McKort
Total Phosphorus Low Level Total	KONE	8842195	2023/08/04	2023/08/05	Carlo Truong
Total Ammonia (as NH3)	CALC	8821194	N/A	2023/08/03	Automated Statchk
Ammonium as NH4+	CALC/NH3	8821195	N/A	2023/08/11	Automated Statchk
Total Ammonia-N	LACH/NH4	8823472	N/A	2023/08/03	Prabhjot Kaur
Nitrate & Nitrite as Nitrogen in Water	LACH	8821547	N/A	2023/07/31	Chandra Nandlal
pH	AT	8821554	2023/07/29	2023/08/01	Surinder Rai
Field Measured pH	PH	ONSITE	N/A	2023/08/11	Katherine Szozda
Orthophosphate	KONE	8821534	N/A	2023/07/31	Yogesh Patel
Redox Potential	COND	8822605	2023/07/31	2023/08/01	Gurpartee KAU
Sodium Adsorption Ratio (SAR)	CALC/MET	8821193	N/A	2023/08/03	Automated Statchk
Total Dissolved Solids (TDS calc)	CALC	8821191	N/A	2023/08/11	Automated Statchk
Total Dissolved Solids	BAL	8825404	2023/08/01	2023/08/02	Tina Teng
Field Measured pH	PH	ONSITE	N/A	2023/08/11	Katherine Szozda
Total Kjeldahl Nitrogen in Water	SKAL	8828284	2023/08/02	2023/08/03	Kruti Jitesh Patel
Total Organic Carbon (TOC)	TOCV/NDIR	8828008	N/A	2023/08/02	Shivani Shivani
Low Level Total Suspended Solids	BAL	8823405	2023/08/01	2023/08/02	Razieh Tabesh
Turbidity	AT	8821429	N/A	2023/07/29	Leily Karimi
Un-ionized Ammonia (as N)	CALC	8821196	2023/08/11	2023/08/11	Automated Statchk

Bureau Veritas ID: WNL089 Dup
Sample ID: MW-IPD-01(D)B
Matrix: Ground Water

Collected: 2023/07/22
Shipped:
Received: 2023/07/28

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
Low Level Chloride and Sulphate by AC	KONE	8842140	N/A	2023/08/08	Shanna McKort



BUREAU
VERITAS

Bureau Veritas Job #: C3M6503
Report Date: 2023/08/11

Agnico Eagle
Client Project #: MBK GW
Your P.O. #: 1248940
Sampler Initials: IW

TEST SUMMARY

Bureau Veritas ID: WNL090
Sample ID: MW-16-01A
Matrix: Ground Water

Collected: 2023/07/23
Shipped:
Received: 2023/07/28

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
Alkalinity	AT	8821552	N/A	2023/08/01	Surinder Rai
Carbonate, Bicarbonate and Hydroxide	CALC	8821192	N/A	2023/08/01	Automated Statchk
Anions	IC	8820041	N/A	2023/07/31	Lusine Khachatryan
Chloride by Automated Colourimetry	KONE	8821536	N/A	2023/07/31	Yogesh Patel
Conductivity	AT	8821553	N/A	2023/08/01	Surinder Rai
Dissolved Organic Carbon (DOC)	TOCV/NDIR	8822835	N/A	2023/07/31	Nimarta Singh
Fluoride	ISE	8821555	2023/07/29	2023/08/01	Surinder Rai
Mercury in Water by CVAA	CV/AA	8831505	2023/08/03	2023/08/03	Jaswinder Kaur
Dissolved Mercury (low level)	CV/AA	8823132	2023/07/31	2023/08/01	Jaswinder Kaur
Lab Filtered Metals Analysis by ICP	ICP	8819213	2023/07/29	2023/08/01	Suban Kanapathipplai
Low Level Chloride and Sulphate by AC	KONE	8841946	N/A	2023/08/08	Shanna McKort
Cyanide (Free)	SPEC	8842192	N/A	2023/08/03	Amy Phan
Cyanide, Strong Acid Dissociable (SAD)	TECH/UVVS	8842193	2023/08/08	2023/08/08	Taylor Mullings
Cyanide WAD (weak acid dissociable)	TECH	8842194	N/A	2023/08/08	Taylor Mullings
Hardness Total (calculated as CaCO3)	CALC	8842346	N/A	2023/08/04	Automated Statchk
Na, K, Ca, Mg, S by CRC ICPMS (diss.)	ICP	8842349	N/A	2023/08/04	Automated Statchk
Elements by ICPMS Low Level (dissolved)	ICP/MS	8842350	N/A	2023/08/03	Andrew An
Na, K, Ca, Mg, S by CRC ICPMS (total)	ICP	8842347	N/A	2023/08/04	Automated Statchk
Elements by ICPMS Low Level (total)	ICP/MS	8842348	N/A	2023/08/04	Andrew An
Silica (Reactive)	KONE	8841947	N/A	2023/08/08	Shanna McKort
Total Phosphorus Low Level Total	KONE	8842195	2023/08/04	2023/08/05	Carlo Truong
Total Ammonia (as NH3)	CALC	8821194	N/A	2023/08/03	Automated Statchk
Ammonium as NH4+	CALC/NH3	8821195	N/A	2023/08/11	Automated Statchk
Total Ammonia-N	LACH/NH4	8823472	N/A	2023/08/03	Prabhjot Kaur
Nitrate & Nitrite as Nitrogen in Water	LACH	8821547	N/A	2023/07/31	Chandra Nandlal
pH	AT	8821554	2023/07/29	2023/08/01	Surinder Rai
Field Measured pH	PH	ONSITE	N/A	2023/08/11	Katherine Szozda
Orthophosphate	KONE	8821534	N/A	2023/07/31	Yogesh Patel
Redox Potential	COND	8822605	2023/07/31	2023/08/01	Gurpartee KAU
Sodium Adsorption Ratio (SAR)	CALC/MET	8821193	N/A	2023/08/03	Automated Statchk
Total Dissolved Solids (TDS calc)	CALC	8821191	N/A	2023/08/11	Automated Statchk
Total Dissolved Solids	BAL	8825404	2023/08/01	2023/08/02	Tina Teng
Field Measured pH	PH	ONSITE	N/A	2023/08/11	Katherine Szozda
Total Kjeldahl Nitrogen in Water	SKAL	8828284	2023/08/02	2023/08/03	Kruti Jitesh Patel
Total Organic Carbon (TOC)	TOCV/NDIR	8828008	N/A	2023/08/02	Shivani Shivani
Low Level Total Suspended Solids	BAL	8823405	2023/08/01	2023/08/02	Razieh Tabesh
Turbidity	AT	8821429	N/A	2023/07/29	Leily Karimi
Un-ionized Ammonia (as N)	CALC	8821196	2023/08/11	2023/08/11	Automated Statchk

Bureau Veritas ID: WNL090 Dup
Sample ID: MW-16-01A
Matrix: Ground Water

Collected: 2023/07/23
Shipped:
Received: 2023/07/28

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
Nitrate & Nitrite as Nitrogen in Water	LACH	8821547	N/A	2023/07/31	Chandra Nandlal



BUREAU
VERITAS

Bureau Veritas Job #: C3M6503
Report Date: 2023/08/11

Agnico Eagle
Client Project #: MBK GW
Your P.O. #: 1248940
Sampler Initials: IW

TEST SUMMARY

Bureau Veritas ID: WNL091
Sample ID: MW-16-01B
Matrix: Ground Water

Collected: 2023/07/23
Shipped:
Received: 2023/07/28

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
Alkalinity	AT	8821552	N/A	2023/08/01	Surinder Rai
Carbonate, Bicarbonate and Hydroxide	CALC	8821192	N/A	2023/08/01	Automated Statchk
Anions	IC	8820041	N/A	2023/07/31	Lusine Khachatryan
Chloride by Automated Colourimetry	KONE	8821536	N/A	2023/07/31	Yogesh Patel
Conductivity	AT	8821553	N/A	2023/08/01	Surinder Rai
Dissolved Organic Carbon (DOC)	TOCV/NDIR	8822835	N/A	2023/07/31	Nimarta Singh
Fluoride	ISE	8821555	2023/07/29	2023/08/01	Surinder Rai
Mercury in Water by CVAA	CV/AA	8831505	2023/08/03	2023/08/03	Jaswinder Kaur
Dissolved Mercury (low level)	CV/AA	8823132	2023/07/31	2023/08/01	Jaswinder Kaur
Lab Filtered Metals Analysis by ICP	ICP	8819213	2023/07/29	2023/08/01	Suban Kanapathipplai
Low Level Chloride and Sulphate by AC	KONE	8841946	N/A	2023/08/08	Shanna McKort
Cyanide (Free)	SPEC	8842192	N/A	2023/08/03	Amy Phan
Cyanide, Strong Acid Dissociable (SAD)	TECH/UVVS	8842193	2023/08/08	2023/08/08	Taylor Mullings
Cyanide WAD (weak acid dissociable)	TECH	8842194	N/A	2023/08/08	Taylor Mullings
Hardness Total (calculated as CaCO3)	CALC	8842346	N/A	2023/08/04	Automated Statchk
Na, K, Ca, Mg, S by CRC ICPMS (diss.)	ICP	8842349	N/A	2023/08/04	Automated Statchk
Elements by ICPMS Low Level (dissolved)	ICP/MS	8842350	N/A	2023/08/03	Andrew An
Na, K, Ca, Mg, S by CRC ICPMS (total)	ICP	8842347	N/A	2023/08/04	Automated Statchk
Elements by ICPMS Low Level (total)	ICP/MS	8842348	N/A	2023/08/04	Andrew An
Silica (Reactive)	KONE	8841947	N/A	2023/08/08	Shanna McKort
Total Phosphorus Low Level Total	KONE	8842195	2023/08/04	2023/08/05	Carlo Truong
Total Ammonia (as NH3)	CALC	8821194	N/A	2023/08/03	Automated Statchk
Ammonium as NH4+	CALC/NH3	8821195	N/A	2023/08/11	Automated Statchk
Total Ammonia-N	LACH/NH4	8823472	N/A	2023/08/03	Prabhjot Kaur
Nitrate & Nitrite as Nitrogen in Water	LACH	8821547	N/A	2023/07/31	Chandra Nandlal
pH	AT	8821554	2023/07/29	2023/08/01	Surinder Rai
Field Measured pH	PH	ONSITE	N/A	2023/08/11	Katherine Szozda
Orthophosphate	KONE	8821534	N/A	2023/07/31	Yogesh Patel
Redox Potential	COND	8822605	2023/07/31	2023/08/01	Gurpartee KAU
Sodium Adsorption Ratio (SAR)	CALC/MET	8821193	N/A	2023/08/03	Automated Statchk
Total Dissolved Solids (TDS calc)	CALC	8821191	N/A	2023/08/11	Automated Statchk
Total Dissolved Solids	BAL	8825404	2023/08/01	2023/08/02	Tina Teng
Field Measured pH	PH	ONSITE	N/A	2023/08/11	Katherine Szozda
Total Kjeldahl Nitrogen in Water	SKAL	8828284	2023/08/02	2023/08/03	Kruti Jitesh Patel
Total Organic Carbon (TOC)	TOCV/NDIR	8828008	N/A	2023/08/02	Shivani Shivani
Low Level Total Suspended Solids	BAL	8823405	2023/08/01	2023/08/02	Razieh Tabesh
Turbidity	AT	8821429	N/A	2023/07/29	Leily Karimi
Un-ionized Ammonia (as N)	CALC	8821196	2023/08/11	2023/08/11	Automated Statchk

Bureau Veritas ID: WNL092
Sample ID: FB-23-1
Matrix: Ground Water

Collected: 2023/07/22
Shipped:
Received: 2023/07/28

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
Alkalinity	AT	8821552	N/A	2023/08/01	Surinder Rai



BUREAU
VERITAS

Bureau Veritas Job #: C3M6503
Report Date: 2023/08/11

Agnico Eagle
Client Project #: MBK GW
Your P.O. #: 1248940
Sampler Initials: IW

TEST SUMMARY

Bureau Veritas ID: WNL092
Sample ID: FB-23-1
Matrix: Ground Water

Collected: 2023/07/22
Shipped:
Received: 2023/07/28

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
Carbonate, Bicarbonate and Hydroxide	CALC	8821192	N/A	2023/08/01	Automated Statchk
Anions	IC	8820041	N/A	2023/07/31	Lusine Khachatryan
Chloride by Automated Colourimetry	KONE	8821536	N/A	2023/07/31	Yogesh Patel
Conductivity	AT	8821553	N/A	2023/08/01	Surinder Rai
Dissolved Organic Carbon (DOC)	TOCV/NDIR	8822835	N/A	2023/07/31	Nimarta Singh
Fluoride	ISE	8821555	2023/07/29	2023/08/01	Surinder Rai
Dissolved Mercury (low level)	CV/AA	8823132	2023/07/31	2023/08/01	Jaswinder Kaur
Mercury (low level)	CV/AA	8829001	2023/08/02	2023/08/02	Jaswinder Kaur
Lab Filtered Metals Analysis by ICP	ICP	8819213	2023/07/29	2023/08/01	Suban Kanapathipplai
Low Level Chloride and Sulphate by AC	KONE	8842140	N/A	2023/08/08	Shanna McKort
Cyanide (Free)	SPEC	8842192	N/A	2023/08/03	Amy Phan
Cyanide, Strong Acid Dissociable (SAD)	TECH/UVVS	8842141	2023/08/08	2023/08/08	Taylor Mullings
Cyanide WAD (weak acid dissociable)	TECH	8842142	N/A	2023/08/08	Taylor Mullings
Hardness Total (calculated as CaCO3)	CALC	8842346	N/A	2023/08/04	Automated Statchk
Na, K, Ca, Mg, S by CRC ICPMS (diss.)	ICP	8842349	N/A	2023/08/04	Automated Statchk
Elements by ICPMS Low Level (dissolved)	ICP/MS	8834723	N/A	2023/08/03	Andrew An
Na, K, Ca, Mg, S by CRC ICPMS (total)	ICP	8842347	N/A	2023/08/04	Automated Statchk
Elements by ICPMS Low Level (total)	ICP/MS	8842348	N/A	2023/08/04	Andrew An
Silica (Reactive)	KONE	8841947	N/A	2023/08/08	Shanna McKort
Total Phosphorus Low Level Total	KONE	8840426	2023/08/04	2023/08/05	Carlo Truong
Total Ammonia (as NH3)	CALC	8821194	N/A	2023/08/03	Automated Statchk
Total Ammonia-N	LACH/NH4	8823472	N/A	2023/08/03	Prabhjot Kaur
Nitrate & Nitrite as Nitrogen in Water	LACH	8821547	N/A	2023/07/31	Chandra Nandlal
pH	AT	8821554	2023/07/29	2023/08/01	Surinder Rai
Orthophosphate	KONE	8821534	N/A	2023/07/31	Yogesh Patel
Redox Potential	COND	8822605	2023/07/31	2023/08/01	Gurpartee KAUAR
Sodium Adsorption Ratio (SAR)	CALC/MET	8821193	N/A	2023/08/03	Automated Statchk
Total Dissolved Solids (TDS calc)	CALC	8821191	N/A	2023/08/11	Automated Statchk
Total Dissolved Solids	BAL	8825404	2023/08/01	2023/08/02	Tina Teng
Total Kjeldahl Nitrogen in Water	SKAL	8828284	2023/08/02	2023/08/03	Kruti Jitesh Patel
Total Organic Carbon (TOC)	TOCV/NDIR	8828008	N/A	2023/08/02	Shivani Shivani
Low Level Total Suspended Solids	BAL	8823405	2023/08/01	2023/08/02	Razieh Tabesh
Turbidity	AT	8821429	N/A	2023/07/29	Leily Karimi

Bureau Veritas ID: WNL093
Sample ID: TB-23-1
Matrix: Ground Water

Collected: 2023/07/22
Shipped:
Received: 2023/07/28

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
Alkalinity	AT	8821552	N/A	2023/08/01	Surinder Rai
Carbonate, Bicarbonate and Hydroxide	CALC	8821192	N/A	2023/08/01	Automated Statchk
Anions	IC	8820041	N/A	2023/07/31	Lusine Khachatryan
Chloride by Automated Colourimetry	KONE	8821536	N/A	2023/07/31	Yogesh Patel
Conductivity	AT	8821553	N/A	2023/08/01	Surinder Rai
Dissolved Organic Carbon (DOC)	TOCV/NDIR	8822724	N/A	2023/07/31	Shivani Shivani



BUREAU
VERITAS

Bureau Veritas Job #: C3M6503
Report Date: 2023/08/11

Agnico Eagle
Client Project #: MBK GW
Your P.O. #: 1248940
Sampler Initials: IW

TEST SUMMARY

Bureau Veritas ID: WNL093
Sample ID: TB-23-1
Matrix: Ground Water

Collected: 2023/07/22
Shipped:
Received: 2023/07/28

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
Fluoride	ISE	8821555	2023/07/29	2023/08/01	Surinder Rai
Dissolved Mercury (low level)	CV/AA	8823132	2023/07/31	2023/08/01	Jaswinder Kaur
Mercury (low level)	CV/AA	8826592	2023/08/01	2023/08/02	Jaswinder Kaur
Lab Filtered Metals Analysis by ICP	ICP	8819213	2023/07/29	2023/08/01	Suban Kanapathipplai
Low Level Chloride and Sulphate by AC	KONE	8841946	N/A	2023/08/08	Shanna McKort
Cyanide (Free)	SPEC	8842192	N/A	2023/08/03	Amy Phan
Cyanide, Strong Acid Dissociable (SAD)	TECH/UVVS	8842193	2023/08/08	2023/08/08	Taylor Mullings
Cyanide WAD (weak acid dissociable)	TECH	8842194	N/A	2023/08/08	Taylor Mullings
Hardness Total (calculated as CaCO3)	CALC	8842346	N/A	2023/08/04	Automated Statchk
Na, K, Ca, Mg, S by CRC ICPMS (diss.)	ICP	8842349	N/A	2023/08/04	Automated Statchk
Elements by ICPMS Low Level (dissolved)	ICP/MS	8834723	N/A	2023/08/03	Andrew An
Na, K, Ca, Mg, S by CRC ICPMS (total)	ICP	8842347	N/A	2023/08/04	Automated Statchk
Elements by ICPMS Low Level (total)	ICP/MS	8842348	N/A	2023/08/04	Andrew An
Silica (Reactive)	KONE	8841947	N/A	2023/08/08	Shanna McKort
Total Phosphorus Low Level Total	KONE	8842195	2023/08/04	2023/08/05	Carlo Truong
Total Ammonia (as NH3)	CALC	8821194	N/A	2023/08/03	Automated Statchk
Total Ammonia-N	LACH/NH4	8823472	N/A	2023/08/03	Prabhjot Kaur
Nitrate & Nitrite as Nitrogen in Water	LACH	8821321	N/A	2023/07/31	Chandra Nandlal
pH	AT	8821554	2023/07/29	2023/08/01	Surinder Rai
Orthophosphate	KONE	8821534	N/A	2023/07/31	Yogesh Patel
Redox Potential	COND	8822605	2023/07/31	2023/08/01	Gurparteek KAUR
Sodium Adsorption Ratio (SAR)	CALC/MET	8821193	N/A	2023/08/03	Automated Statchk
Total Dissolved Solids (TDS calc)	CALC	8821191	N/A	2023/08/11	Automated Statchk
Total Dissolved Solids	BAL	8825404	2023/08/01	2023/08/02	Tina Teng
Total Kjeldahl Nitrogen in Water	SKAL	8828284	2023/08/02	2023/08/03	Kruti Jitesh Patel
Total Organic Carbon (TOC)	TOCV/NDIR	8828008	N/A	2023/08/02	Shivani Shivani
Low Level Total Suspended Solids	BAL	8823405	2023/08/01	2023/08/02	Razieh Tabesh
Turbidity	AT	8821429	N/A	2023/07/29	Leily Karimi



GENERAL COMMENTS

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

Package 1	9.3°C
Package 2	2.0°C
Package 3	9.3°C
Package 4	3.7°C
Package 5	7.3°C
Package 6	9.7°C
Package 7	7.3°C
Package 8	6.3°C
Package 9	7.7°C
Package 10	6.0°C
Package 11	7.0°C
Package 12	4.0°C
Package 13	7.0°C
Package 14	8.7°C
Package 15	3.3°C

Sample WNL082 [MW-IPD-09a] : Sample was analyzed past method specified hold time for Cyanide (Free). Exceedance of hold time increases the uncertainty of test results but does not necessarily imply that results are compromised. Sample was analyzed past method specified hold time for Cyanide (total). Sample was analyzed past method specified hold time for Cyanide WAD (weak acid dissociable). Total Phosphorus < ortho-Phosphate: Both values fall within the method uncertainty for duplicates and are likely equivalent.

Sample WNL083 [MW-IPD-09B] : Sample was analyzed past method specified hold time for Cyanide (Free). Exceedance of hold time increases the uncertainty of test results but does not necessarily imply that results are compromised. Sample was analyzed past method specified hold time for Cyanide (total). Sample was analyzed past method specified hold time for Cyanide WAD (weak acid dissociable). Total Phosphorus < ortho-Phosphate: Both values fall within the method uncertainty for duplicates and are likely equivalent.

Sample WNL084 [MW-IPD-07A] : Sample was analyzed past method specified hold time for Cyanide (total). Exceedance of hold time increases the uncertainty of test results but does not necessarily imply that results are compromised. Sample was analyzed past method specified hold time for Cyanide WAD (weak acid dissociable).

Sample WNL085 [MW-IPD-07B] : Sample was analyzed past method specified hold time for Cyanide (total). Exceedance of hold time increases the uncertainty of test results but does not necessarily imply that results are compromised. Sample was analyzed past method specified hold time for Cyanide WAD (weak acid dissociable).

Sample WNL086 [MW-IPD-01(S)A] : Sample was analyzed past method specified hold time for Cyanide (total). Exceedance of hold time increases the uncertainty of test results but does not necessarily imply that results are compromised. Sample was analyzed past method specified hold time for Cyanide WAD (weak acid dissociable). Total Phosphorus < ortho-Phosphate: Both values fall within the method uncertainty for duplicates and are likely equivalent.

Sample WNL087 [MW-IPD-01(S)B] : Sample was analyzed past method specified hold time for Cyanide (total). Exceedance of hold time increases the uncertainty of test results but does not necessarily imply that results are compromised. Sample was analyzed past method specified hold time for Cyanide WAD (weak acid dissociable). Total Phosphorus < ortho-Phosphate: Both values fall within the method uncertainty for duplicates and are likely equivalent.

Sample WNL088 [MW-IPD-01(D)A] : Sample was analyzed past method specified hold time for Cyanide (total). Exceedance of hold time increases the uncertainty of test results but does not necessarily imply that results are compromised. Sample was analyzed past method specified hold time for Cyanide WAD (weak acid dissociable).

Sample WNL089 [MW-IPD-01(D)B] : Sample was analyzed past method specified hold time for Cyanide (total). Exceedance of hold time increases the



BUREAU
VERITAS

Bureau Veritas Job #: C3M6503

Report Date: 2023/08/11

Agnico Eagle

Client Project #: MBK GW

Your P.O. #: 1248940

Sampler Initials: IW

uncertainty of test results but does not necessarily imply that results are compromised. Sample was analyzed past method specified hold time for Cyanide WAD (weak acid dissociable).

Sample WNL090 [MW-16-01A] : Sample was analyzed past method specified hold time for Cyanide (total). Exceedance of hold time increases the uncertainty of test results but does not necessarily imply that results are compromised. Sample was analyzed past method specified hold time for Cyanide WAD (weak acid dissociable).

Sample WNL091 [MW-16-01B] : Sample was analyzed past method specified hold time for Cyanide (total). Exceedance of hold time increases the uncertainty of test results but does not necessarily imply that results are compromised. Sample was analyzed past method specified hold time for Cyanide WAD (weak acid dissociable).

Sample WNL092 [FB-23-1] : SAR Analysis: NC = Not Calculable as Calcium and Magnesium were not detected. Sample was analyzed past method specified hold time for Cyanide (total). Exceedance of hold time increases the uncertainty of test results but does not necessarily imply that results are compromised. Sample was analyzed past method specified hold time for Cyanide WAD (weak acid dissociable).

Sample WNL093 [TB-23-1] : SAR Analysis: NC = Not Calculable as Calcium and Magnesium were not detected. Sample was analyzed past method specified hold time for Cyanide (total). Exceedance of hold time increases the uncertainty of test results but does not necessarily imply that results are compromised. Sample was analyzed past method specified hold time for Cyanide WAD (weak acid dissociable).

Results relate only to the items tested.



BUREAU
VERITAS

Bureau Veritas Job #: C3M6503

Report Date: 2023/08/11

QUALITY ASSURANCE REPORT

Agnico Eagle

Client Project #: MBK GW

Your P.O. #: 1248940

Sampler Initials: IW

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
8819213	Dissolved Calcium (Ca)	2023/08/01	NC	80 - 120	97	80 - 120	<0.05	mg/L	1.0	25		
8819213	Dissolved Magnesium (Mg)	2023/08/01	NC	80 - 120	98	80 - 120	<0.05	mg/L	2.0	25		
8819213	Dissolved Potassium (K)	2023/08/01	93	80 - 120	98	80 - 120	<1	mg/L	0.49	25		
8819213	Dissolved Sodium (Na)	2023/08/01	NC	80 - 120	99	80 - 120	<0.5	mg/L	1.4	25		
8820041	Bromide (Br-)	2023/07/31	101	80 - 120	101	80 - 120	<1.0	mg/L				
8821321	Nitrate (N)	2023/07/31	NC	80 - 120	100	80 - 120	<0.10	mg/L	0.63	20		
8821321	Nitrite (N)	2023/07/31	99	80 - 120	104	80 - 120	<0.010	mg/L	3.2	20		
8821429	Turbidity	2023/07/29			99	80 - 120	<0.1	NTU	9.0	20		
8821534	Orthophosphate (P)	2023/07/31	93	75 - 125	97	80 - 120	<0.010	mg/L	NC	20		
8821536	Dissolved Chloride (Cl-)	2023/07/31	101	80 - 120	98	80 - 120	<1.0	mg/L	NC	20		
8821547	Nitrate (N)	2023/07/31	96	80 - 120	99	80 - 120	<0.10	mg/L	NC	20		
8821547	Nitrite (N)	2023/07/31	100	80 - 120	103	80 - 120	<0.010	mg/L	NC	20		
8821552	Alkalinity (Total as CaCO3)	2023/08/01			97	85 - 115	<1.0	mg/L	8.1	20		
8821553	Conductivity	2023/08/01			102	85 - 115	1.0, RDL=1.0	umho/cm	0.49	10		
8821554	pH	2023/08/01			102	98 - 103			0.11	N/A		
8821555	Fluoride (F-)	2023/08/01	100	80 - 120	100	80 - 120	<0.10	mg/L	NC	20		
8822605	Redox Potential	2023/08/01			102	95 - 105			0.17	20		
8822724	Dissolved Organic Carbon	2023/07/31	NC	80 - 120	97	80 - 120	<0.40	mg/L	0.63	20		
8822835	Dissolved Organic Carbon	2023/07/31	94	80 - 120	94	80 - 120	<0.40	mg/L	0.33	20		
8823132	Dissolved Mercury (Hg)	2023/08/01	106	75 - 125	104	80 - 120	<0.00001	mg/L	NC	20		
8823405	Total Suspended Solids	2023/08/02			95	85 - 115	<1	mg/L	NC	20		
8823472	Total Ammonia-N	2023/08/03	98	75 - 125	101	80 - 120	<0.050	mg/L	NC	20		
8825404	Total Dissolved Solids	2023/08/02			97	90 - 110	<10	mg/L	0	20		
8826592	Mercury (Hg)	2023/08/02	108	75 - 125	106	80 - 120	<0.00001	mg/L	NC	20		
8828008	Total Organic Carbon (TOC)	2023/08/02	102	80 - 120	102	80 - 120	<0.40	mg/L	0.91	20		
8828284	Total Kjeldahl Nitrogen (TKN)	2023/08/03	99	80 - 120	102	80 - 120	<0.10	mg/L	2.3	20	105	80 - 120
8829001	Mercury (Hg)	2023/08/02	34 (1)	75 - 125	107	80 - 120	<0.00001	mg/L	NC	20		
8831505	Mercury (Hg)	2023/08/03	100	75 - 125	94	80 - 120	<0.00010	mg/L	NC	20		
8834723	Dissolved Aluminum (Al)	2023/08/03	95	80 - 120	95	80 - 120	<0.50	ug/L				
8834723	Dissolved Antimony (Sb)	2023/08/03	101	80 - 120	100	80 - 120	<0.020	ug/L				



BUREAU VERITAS

Bureau Veritas Job #: C3M6503

Report Date: 2023/08/11

QUALITY ASSURANCE REPORT(CONT'D)

Agnico Eagle

Client Project #: MBK GW

Your P.O. #: 1248940

Sampler Initials: IW

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
8834723	Dissolved Arsenic (As)	2023/08/03	101	80 - 120	98	80 - 120	<0.020	ug/L				
8834723	Dissolved Barium (Ba)	2023/08/03	98	80 - 120	99	80 - 120	<0.020	ug/L				
8834723	Dissolved Beryllium (Be)	2023/08/03	97	80 - 120	94	80 - 120	<0.010	ug/L				
8834723	Dissolved Bismuth (Bi)	2023/08/03	96	80 - 120	96	80 - 120	<0.0050	ug/L				
8834723	Dissolved Boron (B)	2023/08/03	98	80 - 120	93	80 - 120	<10	ug/L				
8834723	Dissolved Cadmium (Cd)	2023/08/03	100	80 - 120	98	80 - 120	<0.0050	ug/L				
8834723	Dissolved Chromium (Cr)	2023/08/03	94	80 - 120	94	80 - 120	<0.10	ug/L				
8834723	Dissolved Copper (Cu)	2023/08/03	95	80 - 120	95	80 - 120	<0.050	ug/L				
8834723	Dissolved Iron (Fe)	2023/08/03	104	80 - 120	98	80 - 120	<1.0	ug/L				
8834723	Dissolved Lead (Pb)	2023/08/03	96	80 - 120	96	80 - 120	<0.0050	ug/L				
8834723	Dissolved Lithium (Li)	2023/08/03	98	80 - 120	95	80 - 120	<0.50	ug/L				
8834723	Dissolved Manganese (Mn)	2023/08/03	98	80 - 120	99	80 - 120	<0.050	ug/L				
8834723	Dissolved Molybdenum (Mo)	2023/08/03	100	80 - 120	100	80 - 120	<0.050	ug/L				
8834723	Dissolved Nickel (Ni)	2023/08/03	96	80 - 120	99	80 - 120	<0.020	ug/L				
8834723	Dissolved Selenium (Se)	2023/08/03	103	80 - 120	98	80 - 120	<0.040	ug/L				
8834723	Dissolved Silver (Ag)	2023/08/03	100	80 - 120	100	80 - 120	<0.0050	ug/L				
8834723	Dissolved Strontium (Sr)	2023/08/03	96	80 - 120	97	80 - 120	<0.050	ug/L				
8834723	Dissolved Thallium (Tl)	2023/08/03	96	80 - 120	96	80 - 120	<0.0020	ug/L				
8834723	Dissolved Tin (Sn)	2023/08/03	101	80 - 120	105	80 - 120	<0.20	ug/L				
8834723	Dissolved Titanium (Ti)	2023/08/03	99	80 - 120	99	80 - 120	<0.50	ug/L				
8834723	Dissolved Uranium (U)	2023/08/03	103	80 - 120	101	80 - 120	<0.0020	ug/L				
8834723	Dissolved Vanadium (V)	2023/08/03	98	80 - 120	96	80 - 120	<0.20	ug/L				
8834723	Dissolved Zinc (Zn)	2023/08/03	101	80 - 120	98	80 - 120	<0.10	ug/L				
8840426	Total Phosphorus (P)	2023/08/05	112	80 - 120	100	80 - 120	<0.0010	mg/L			88	80 - 120
8841946	Dissolved Sulphate (SO4)	2023/08/08	105	80 - 120	102	80 - 120	<0.50	mg/L	NC	20		
8841947	Reactive Silica (SiO2)	2023/08/08	NC	80 - 120	102	80 - 120	<0.050	mg/L				
8842140	Dissolved Sulphate (SO4)	2023/08/08	102	80 - 120	101	80 - 120	<0.50	mg/L	1.1	20		
8842141	Strong Acid Dissoc. Cyanide (CN)	2023/08/08	98	80 - 120	108	80 - 120	<0.00050	mg/L				
8842142	Weak Acid Dissoc. Cyanide (CN)	2023/08/08	100	80 - 120	98	80 - 120	<0.00050	mg/L				
8842192	Free Cyanide (CN)	2023/08/03	91	80 - 120	86	80 - 120	<2.0	ug/L				
8842193	Strong Acid Dissoc. Cyanide (CN)	2023/08/08	101	80 - 120	105	80 - 120	<0.00050	mg/L				



BUREAU
VERITAS

Bureau Veritas Job #: C3M6503

Report Date: 2023/08/11

QUALITY ASSURANCE REPORT(CONT'D)

Agnico Eagle

Client Project #: MBK GW

Your P.O. #: 1248940

Sampler Initials: IW

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
8842194	Weak Acid Dissoc. Cyanide (CN)	2023/08/08	101	80 - 120	96	80 - 120	<0.00050	mg/L				
8842195	Total Phosphorus (P)	2023/08/05	115	80 - 120	91	80 - 120	<0.0010	mg/L			83	80 - 120
8842196	Reactive Silica (SiO2)	2023/08/08	NC	80 - 120	101	80 - 120	<0.050	mg/L	2.5	20		
8842348	Total Aluminum (Al)	2023/08/04	95	80 - 120	96	80 - 120	<0.50	ug/L	3.9	20		
8842348	Total Antimony (Sb)	2023/08/04	103	80 - 120	102	80 - 120	<0.020	ug/L	NC	20		
8842348	Total Arsenic (As)	2023/08/04	102	80 - 120	100	80 - 120	<0.020	ug/L	0.15	20		
8842348	Total Barium (Ba)	2023/08/04	100	80 - 120	101	80 - 120	<0.020	ug/L	2.8	20		
8842348	Total Beryllium (Be)	2023/08/04	94	80 - 120	94	80 - 120	<0.010	ug/L	NC	20		
8842348	Total Bismuth (Bi)	2023/08/04	97	80 - 120	99	80 - 120	<0.0050	ug/L	NC	20		
8842348	Total Boron (B)	2023/08/04	90	80 - 120	92	80 - 120	<10	ug/L	2.0	20		
8842348	Total Cadmium (Cd)	2023/08/04	102	80 - 120	101	80 - 120	<0.0050	ug/L	NC	20		
8842348	Total Chromium (Cr)	2023/08/04	96	80 - 120	98	80 - 120	<0.10	ug/L	5.1	20		
8842348	Total Copper (Cu)	2023/08/04	96	80 - 120	98	80 - 120	<0.050	ug/L	8.2	20		
8842348	Total Iron (Fe)	2023/08/04	101	80 - 120	102	80 - 120	<1.0	ug/L	1.1	20		
8842348	Total Lead (Pb)	2023/08/04	99	80 - 120	99	80 - 120	<0.0050	ug/L	2.5	20		
8842348	Total Lithium (Li)	2023/08/04	95	80 - 120	96	80 - 120	<0.50	ug/L	0.69	20		
8842348	Total Manganese (Mn)	2023/08/04	98	80 - 120	101	80 - 120	0.050, RDL=0.050 (2)	ug/L	0.12	20		
8842348	Total Molybdenum (Mo)	2023/08/04	NC	80 - 120	102	80 - 120	<0.050	ug/L	0.85	20		
8842348	Total Nickel (Ni)	2023/08/04	99	80 - 120	101	80 - 120	<0.020	ug/L	5.5	20		
8842348	Total Selenium (Se)	2023/08/04	103	80 - 120	100	80 - 120	<0.040	ug/L	NC	20		
8842348	Total Silver (Ag)	2023/08/04	101	80 - 120	101	80 - 120	<0.0050	ug/L	NC	20		
8842348	Total Strontium (Sr)	2023/08/04	NC	80 - 120	99	80 - 120	<0.050	ug/L	0.23	20		
8842348	Total Thallium (Tl)	2023/08/04	99	80 - 120	100	80 - 120	<0.0020	ug/L	NC	20		
8842348	Total Tin (Sn)	2023/08/04	103	80 - 120	103	80 - 120	<0.20	ug/L	NC	20		
8842348	Total Titanium (Ti)	2023/08/04	101	80 - 120	100	80 - 120	<0.50	ug/L	NC	20		
8842348	Total Uranium (U)	2023/08/04	105	80 - 120	106	80 - 120	<0.0020	ug/L	1.6	20		
8842348	Total Vanadium (V)	2023/08/04	101	80 - 120	99	80 - 120	<0.20	ug/L	NC	20		
8842348	Total Zinc (Zn)	2023/08/04	102	80 - 120	103	80 - 120	<0.10	ug/L	8.0	20		
8842350	Dissolved Aluminum (Al)	2023/08/03	98	80 - 120	93	80 - 120	<0.50	ug/L				
8842350	Dissolved Antimony (Sb)	2023/08/03	107	80 - 120	102	80 - 120	<0.020	ug/L				



BUREAU
VERITAS

Bureau Veritas Job #: C3M6503

Report Date: 2023/08/11

QUALITY ASSURANCE REPORT(CONT'D)

Agnico Eagle

Client Project #: MBK GW

Your P.O. #: 1248940

Sampler Initials: IW

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
8842350	Dissolved Arsenic (As)	2023/08/03	108	80 - 120	99	80 - 120	<0.020	ug/L				
8842350	Dissolved Barium (Ba)	2023/08/03	103	80 - 120	100	80 - 120	<0.020	ug/L				
8842350	Dissolved Beryllium (Be)	2023/08/03	100	80 - 120	93	80 - 120	<0.010	ug/L				
8842350	Dissolved Bismuth (Bi)	2023/08/03	97	80 - 120	97	80 - 120	<0.0050	ug/L				
8842350	Dissolved Boron (B)	2023/08/03	96	80 - 120	89	80 - 120	<10	ug/L				
8842350	Dissolved Cadmium (Cd)	2023/08/03	105	80 - 120	100	80 - 120	<0.0050	ug/L				
8842350	Dissolved Chromium (Cr)	2023/08/03	98	80 - 120	95	80 - 120	<0.10	ug/L				
8842350	Dissolved Copper (Cu)	2023/08/03	97	80 - 120	96	80 - 120	<0.050	ug/L				
8842350	Dissolved Iron (Fe)	2023/08/03	107	80 - 120	100	80 - 120	<1.0	ug/L				
8842350	Dissolved Lead (Pb)	2023/08/03	100	80 - 120	96	80 - 120	<0.0050	ug/L				
8842350	Dissolved Lithium (Li)	2023/08/03	102	80 - 120	95	80 - 120	<0.50	ug/L				
8842350	Dissolved Manganese (Mn)	2023/08/03	100	80 - 120	99	80 - 120	<0.050	ug/L				
8842350	Dissolved Molybdenum (Mo)	2023/08/03	NC	80 - 120	101	80 - 120	<0.050	ug/L				
8842350	Dissolved Nickel (Ni)	2023/08/03	100	80 - 120	98	80 - 120	<0.020	ug/L				
8842350	Dissolved Selenium (Se)	2023/08/03	103	80 - 120	98	80 - 120	<0.040	ug/L				
8842350	Dissolved Silver (Ag)	2023/08/03	94	80 - 120	100	80 - 120	<0.0050	ug/L				
8842350	Dissolved Strontium (Sr)	2023/08/03	NC	80 - 120	96	80 - 120	<0.050	ug/L				
8842350	Dissolved Thallium (Tl)	2023/08/03	101	80 - 120	95	80 - 120	<0.0020	ug/L				
8842350	Dissolved Tin (Sn)	2023/08/03	107	80 - 120	103	80 - 120	<0.20	ug/L				
8842350	Dissolved Titanium (Ti)	2023/08/03	103	80 - 120	99	80 - 120	<0.50	ug/L				
8842350	Dissolved Uranium (U)	2023/08/03	109	80 - 120	103	80 - 120	<0.0020	ug/L				
8842350	Dissolved Vanadium (V)	2023/08/03	102	80 - 120	98	80 - 120	<0.20	ug/L				



BUREAU
VERITAS

Bureau Veritas Job #: C3M6503

Report Date: 2023/08/11

QUALITY ASSURANCE REPORT(CONT'D)

Agnico Eagle
Client Project #: MBK GW
Your P.O. #: 1248940
Sampler Initials: IW

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
8842350	Dissolved Zinc (Zn)	2023/08/03	104	80 - 120	100	80 - 120	<0.10	ug/L				

N/A = Not Applicable

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

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

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

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

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

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

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

(1) Matrix Spike exceeds acceptance limits,repeat analysis confirms interference

(2) Method blank exceeds acceptance limits- 2X RDL acceptable for low level metals determination.



VALIDATION SIGNATURE PAGE

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

Cristina Carriere

Cristina Carriere, Senior Scientific Specialist

[Signature]

David Huang, BBY Scientific Specialist

Katherine Szozda

Katherine Szozda, Project Manager

[Signature]

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

Suwan

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 {0}, {1} responsible for {2} {3} laboratory operations.



**BUREAU
VERITAS**

Bureau Veritas Job #: C3M6503
Report Date: 2023/08/11

Agnico Eagle
Client Project #: MBK GW
Your P.O. #: 1248940
Sampler Initials: IW

**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.						

APPENDIX C-II ANALYTICAL REPORT NO. C3S0556

Monitoring Location	WSP Sample ID	Lab Sample ID
MW-IPD-07	MW-IPD-07A	WYX408
	MW-IPD-07B	WYX409



Your P.O. #: 1248940
 Your C.O.C. #: 763371

Attention: Reporting

Agnico Eagle
 Meadowbank
 Meadowbank
 Keewatin, NU
 CANADA POX 0A1

Report Date: 2023/09/26
 Report #: R7832393
 Version: 1 - Final

CERTIFICATE OF ANALYSIS

BUREAU VERITAS JOB #: C3S0556

Received: 2023/09/12, 09:33

Sample Matrix: Water
 # Samples Received: 2

Analyses	Quantity	Date Extracted	Date Analyzed	Laboratory Method	Analytical Method
Alkalinity (1)	2	N/A	2023/09/14	CAM SOP-00448	SM 23 2320 B m
Carbonate, Bicarbonate and Hydroxide (1)	2	N/A	2023/09/14	CAM SOP-00102	APHA 4500-CO2 D
Anions (1)	2	N/A	2023/09/14	CAM SOP-00435	SM 23 4110 B m
Chloride by Automated Colourimetry (1)	2	N/A	2023/09/14	CAM SOP-00463	SM 23 4500-Cl E m
Conductivity (1)	2	N/A	2023/09/14	CAM SOP-00414	SM 23 2510 m
Dissolved Organic Carbon (DOC) (1, 4)	2	N/A	2023/09/14	CAM SOP-00446	SM 23 5310 B m
Fluoride (1)	2	2023/09/13	2023/09/14	CAM SOP-00449	SM 23 4500-F C m
Dissolved Mercury (low level) (1)	1	2023/09/15	2023/09/15	CAM SOP-00453	EPA 7470 m
Dissolved Mercury (low level) (1)	1	2023/09/15	2023/09/19	CAM SOP-00453	EPA 7470 m
Mercury (low level) (1)	2	2023/09/18	2023/09/18	CAM SOP-00453	EPA 7470 m
Lab Filtered Metals Analysis by ICP (1)	2	2023/09/13	2023/09/14	CAM SOP-00408	EPA 6010D m
Low Level Chloride and Sulphate by AC (2)	2	N/A	2023/09/21	AB SOP-00020 / AB SOP-00018	SM24 4500-CL/SO4-E m
Cyanide (Free) (2)	2	N/A	2023/09/19	CAL SOP-00266	EPA 9016d R0 m
Cyanide, Strong Acid Dissociable (SAD) (2)	2	2023/09/19	2023/09/19	CAL SOP-00270	SM 23 4500-CN m
Cyanide WAD (weak acid dissociable) (2)	2	N/A	2023/09/19	CAL SOP-00270	SM 23 4500-CN m
Hardness Total (calculated as CaCO3) (3, 5)	2	N/A	2023/09/19	BBY WI-00033	Auto Calc
Na, K, Ca, Mg, S by CRC ICPMS (diss.) (3)	2	N/A	2023/09/26	BBY7 WI-00033	Auto Calc
Elements by CRC ICPMS (dissolved) (3)	2	N/A	2023/09/19	BBY7SOP-00002	EPA 6020b R2 m
Na, K, Ca, Mg, S by CRC ICPMS (total) (3)	2	2023/09/13	2023/09/19	BBY WI-00033	Auto Calc
Elements by CRC ICPMS (total) (3)	2	2023/09/18	2023/09/19	BBY7SOP-00003 / BBY7SOP-00002	EPA 6020b R2 m
Silica (Reactive) (2)	2	N/A	2023/09/21	AB SOP-00011	EPA370.1 R1978 m
Total Phosphorus Low Level Total (2)	2	2023/09/20	2023/09/21	AB SOP-00024	SM 24 4500-P A,B,F m
Total Ammonia (as NH3) (1)	2	N/A	2023/09/15	Auto Calc.	
Ammonium as NH4+ (1)	2	N/A	2023/09/15		
Total Ammonia-N (1)	2	N/A	2023/09/15	CAM SOP-00441	USGS I-2522-90 m
Nitrate & Nitrite as Nitrogen in Water (1, 6)	2	N/A	2023/09/14	CAM SOP-00440	SM 23 4500-NO3I/NO2B
pH (1)	2	2023/09/13	2023/09/14	CAM SOP-00413	SM 4500H+ B m
Field Measured pH (1, 7)	2	N/A	2023/09/13		Field pH Meter
Orthophosphate (1)	2	N/A	2023/09/14	CAM SOP-00461	SM 23 4500-P E m



Your P.O. #: 1248940
 Your C.O.C. #: 763371

Attention: Reporting

Agnico Eagle
 Meadowbank
 Meadowbank
 Keewatin, NU
 CANADA POX 0A1

Report Date: 2023/09/26
 Report #: R7832393
 Version: 1 - Final

CERTIFICATE OF ANALYSIS

BUREAU VERITAS JOB #: C3S0556

Received: 2023/09/12, 09:33

Sample Matrix: Water
 # Samples Received: 2

Analyses	Quantity	Date Extracted	Date Analyzed	Laboratory Method	Analytical Method
Redox Potential (1, 8)	2	2023/09/13	2023/09/14	CAM SOP-00421	SM 2580 B
Sodium Adsorption Ratio (SAR) (1)	2	N/A	2023/09/14	CAM SOP-00102	EPA 6010C
Total Dissolved Solids (TDS calc) (1)	2	N/A	2023/09/26		Auto Calc
Total Dissolved Solids (1)	2	2023/09/14	2023/09/15	CAM SOP-00428	SM 23 2540C m
Field Temperature (1, 7)	2	N/A	2023/09/13		Field Thermometer
Total Kjeldahl Nitrogen in Water (1)	1	2023/09/14	2023/09/18	CAM SOP-00938	OMOE E3516 m
Total Kjeldahl Nitrogen in Water (1)	1	2023/09/14	2023/09/19	CAM SOP-00938	OMOE E3516 m
Total Organic Carbon (TOC) (1, 9)	2	N/A	2023/09/15	CAM SOP-00446	SM 23 5310B m
Low Level Total Suspended Solids (1)	2	2023/09/13	2023/09/14	CAM SOP-00428	SM 23 2540D m
Turbidity (1)	2	N/A	2023/09/14	CAM SOP-00417	SM 23 2130 B m
Un-ionized Ammonia (as N) (1, 10)	2	2023/09/13	2023/09/15	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, MELCCFP, 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.



Your P.O. #: 1248940
Your C.O.C. #: 763371

Attention: Reporting

Agnico Eagle
Meadowbank
Meadowbank
Keewatin, NU
CANADA P0X 0A1

Report Date: 2023/09/26
Report #: R7832393
Version: 1 - Final

CERTIFICATE OF ANALYSIS

BUREAU VERITAS JOB #: C3S0556

Received: 2023/09/12, 09:33

- (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) Dissolved Organic Carbon (DOC) present in the sample should be considered as non-purgeable DOC.
- (5) "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).
- (6) Values for calculated parameters may not appear to add up due to rounding of raw data and significant figures.
- (7) This is a field test, therefore, the results relate to items that were not analysed at Bureau Veritas.
- (8) Oxidation-Reduction Potential (ORP) values are determined using a Ag/AgCl reference electrode. The test is therefore, not SCC accredited for this matrix.
- (9) Total Organic Carbon (TOC) present in the sample should be considered as non-purgeable TOC.
- (10) 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

=====

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

Bureau Veritas Job #: C3S0556
Report Date: 2023/09/26

Agnico Eagle
Your P.O. #: 1248940
Sampler Initials: TD

RESULTS OF ANALYSES OF WATER

Bureau Veritas ID		WYX408			WYX408			WYX409		
Sampling Date		2023/09/07 12:15			2023/09/07 12:15			2023/09/07 12:15		
COC Number		763371			763371			763371		
	UNITS	MW-IPD-07A	RDL	QC Batch	MW-IPD-07A Lab-Dup	RDL	QC Batch	MW-IPD-07B	RDL	QC Batch

Calculated Parameters										
Total Ammonia (as NH3)	mg/L	0.49	0.061	8914836				0.17	0.061	8914836
Ammonium (NH4)	mg/L	0.41	0.012	8914838				0.14	0.015	8914838
Bicarb. Alkalinity (calc. as CaCO3)	mg/L	97	1.0	8914503				100	1.0	8914503
Calculated TDS	mg/L	160	1.0	8914839				160	1.0	8914839
Carb. Alkalinity (calc. as CaCO3)	mg/L	1.6	1.0	8914503				1.2	1.0	8914503
Sodium Adsorption Ratio	N/A	1.3		8914785				1.3		8914785

CONVENTIONALS										
Redox Potential	mV	290	N/A	8915086				280	N/A	8915086

Field Measurements										
Field Temperature	Celsius	20.94	N/A	ONSITE				20.94	N/A	ONSITE
Field Measured pH	pH	8.78		ONSITE				8.87		ONSITE

Inorganics										
Total Ammonia-N	mg/L	0.40	0.050	8917975				0.14	0.050	8917975
Conductivity	umho/cm	270	1.0	8915554				270	1.0	8915554
Free Cyanide (CN)	ug/L	<2.0 (1)	2.0	8927542				<2.0 (1)	2.0	8927542
Strong Acid Dissoc. Cyanide (CN)	mg/L	<0.00050	0.00050	8927540				<0.00050	0.00050	8927540
Weak Acid Dissoc. Cyanide (CN)	mg/L	<0.00050	0.00050	8933714				<0.00050	0.00050	8933714
Total Dissolved Solids	mg/L	150	10	8912896				140	10	8912896
Fluoride (F-)	mg/L	1.2	0.10	8915557				1.2	0.10	8915557
Total Kjeldahl Nitrogen (TKN)	mg/L	0.34	0.20	8915997				0.22	0.10	8915997
Dissolved Organic Carbon	mg/L	1.2	0.40	8914985				1.2	0.40	8914985
Total Organic Carbon (TOC)	mg/L	1.2	0.40	8915982				1.4	0.40	8915982
Orthophosphate (P)	mg/L	0.027	0.010	8915519				0.027	0.010	8915519
pH	pH	8.24		8915553				8.11		8915553
Total Phosphorus (P)	mg/L	0.030	0.0010	8936045				0.030	0.0010	8936045
Reactive Silica (SiO2)	mg/L	7.3	0.050	8933708				8.0	0.050	8936046
Total Suspended Solids	mg/L	<1	1	8915498				<1	1	8915498
Turbidity	NTU	0.5	0.1	8915126	0.4	0.1	8915126	0.4	0.1	8915126

RDL = Reportable Detection Limit
 QC Batch = Quality Control Batch
 Lab-Dup = Laboratory Initiated Duplicate
 N/A = Not Applicable
 (1) 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.



BUREAU
VERITAS

Bureau Veritas Job #: C3S0556
Report Date: 2023/09/26

Agnico Eagle
Your P.O. #: 1248940
Sampler Initials: TD

RESULTS OF ANALYSES OF WATER

Bureau Veritas ID		WYX408			WYX408			WYX409		
Sampling Date		2023/09/07 12:15			2023/09/07 12:15			2023/09/07 12:15		
COC Number		763371			763371			763371		
	UNITS	MW-IPD-07A	RDL	QC Batch	MW-IPD-07A Lab-Dup	RDL	QC Batch	MW-IPD-07B	RDL	QC Batch
Alkalinity (Total as CaCO ₃)	mg/L	98	1.0	8915555				100	1.0	8915555
Dissolved Chloride (Cl ⁻)	mg/L	7.3	1.0	8915528				7.0	1.0	8915528
Nitrite (N)	mg/L	<0.010	0.010	8915180				<0.010	0.010	8915180
Nitrate (N)	mg/L	<0.10	0.10	8915180				<0.10	0.10	8915180
Dissolved Sulphate (SO ₄)	mg/L	25	0.50	8933713				26	0.50	8933713
Nitrate + Nitrite (N)	mg/L	<0.10	0.10	8915180				<0.10	0.10	8915180
Bromide (Br ⁻)	mg/L	<1.0	1.0	8915500	<1.0	1.0	8915500	<1.0	1.0	8915500
Un-ionized Ammonia (as N)	mg/L	0.08	0.01	8914841				0.034	0.012	8914841
Metals										
Dissolved Aluminum (Al)	mg/L	0.0337	0.0030	8942622				0.0103	0.0030	8942622
Total Aluminum (Al)	mg/L	0.0280	0.0030	8931968				0.115	0.0030	8931968
Dissolved Antimony (Sb)	mg/L	<0.00050	0.00050	8942622				<0.00050	0.00050	8942622
Total Antimony (Sb)	mg/L	<0.00050	0.00050	8931968				<0.00050	0.00050	8931968
Dissolved Arsenic (As)	mg/L	0.00589	0.00010	8942622				0.00583	0.00010	8942622
Total Arsenic (As)	mg/L	0.00596	0.00010	8931968				0.00558	0.00010	8931968
Dissolved Barium (Ba)	mg/L	0.0125	0.0010	8942622				0.0125	0.0010	8942622
Total Barium (Ba)	mg/L	0.0099	0.0010	8931968				0.0124	0.0010	8931968
Dissolved Beryllium (Be)	mg/L	<0.00010	0.00010	8942622				<0.00010	0.00010	8942622
Total Beryllium (Be)	mg/L	<0.00010	0.00010	8931968				<0.00010	0.00010	8931968
Dissolved Bismuth (Bi)	mg/L	<0.0010	0.0010	8942622				<0.0010	0.0010	8942622
Total Bismuth (Bi)	mg/L	<0.0010	0.0010	8931968				<0.0010	0.0010	8931968
Dissolved Boron (B)	mg/L	0.239	0.050	8942622				0.237	0.050	8942622
Total Boron (B)	mg/L	0.231	0.050	8931968				0.225	0.050	8931968
Dissolved Cadmium (Cd)	mg/L	<0.000010	0.000010	8942622				<0.000010	0.000010	8942622
Total Cadmium (Cd)	mg/L	0.000012	0.000010	8931968				<0.000010	0.000010	8931968
Dissolved Chromium (Cr)	mg/L	<0.0010	0.0010	8942622				<0.0010	0.0010	8942622
Total Chromium (Cr)	mg/L	<0.0010	0.0010	8931968				0.0011	0.0010	8931968
Dissolved Copper (Cu)	mg/L	<0.00020	0.00020	8942622				<0.00020	0.00020	8942622
Total Copper (Cu)	mg/L	<0.00050	0.00050	8931968				0.00055	0.00050	8931968
Dissolved Iron (Fe)	mg/L	0.0653	0.0050	8942622				0.0619	0.0050	8942622
Total Iron (Fe)	mg/L	0.148	0.010	8931968				0.196	0.010	8931968
Dissolved Lead (Pb)	mg/L	<0.00020	0.00020	8942622				<0.00020	0.00020	8942622
RDL = Reportable Detection Limit QC Batch = Quality Control Batch Lab-Dup = Laboratory Initiated Duplicate										



BUREAU
VERITAS

Bureau Veritas Job #: C3S0556
Report Date: 2023/09/26

Agnico Eagle
Your P.O. #: 1248940
Sampler Initials: TD

RESULTS OF ANALYSES OF WATER

Bureau Veritas ID		WYX408			WYX408			WYX409		
Sampling Date		2023/09/07 12:15			2023/09/07 12:15			2023/09/07 12:15		
COC Number		763371			763371			763371		
	UNITS	MW-IPD-07A	RDL	QC Batch	MW-IPD-07A Lab-Dup	RDL	QC Batch	MW-IPD-07B	RDL	QC Batch
Total Lead (Pb)	mg/L	<0.00020	0.00020	8931968				0.00022	0.00020	8931968
Dissolved Lithium (Li)	mg/L	0.0050	0.0020	8942622				0.0048	0.0020	8942622
Total Lithium (Li)	mg/L	0.0049	0.0020	8931968				0.0047	0.0020	8931968
Dissolved Manganese (Mn)	mg/L	0.0513	0.0010	8942622				0.0508	0.0010	8942622
Total Manganese (Mn)	mg/L	0.0473	0.0010	8931968				0.0464	0.0010	8931968
Dissolved Molybdenum (Mo)	mg/L	0.0067	0.0010	8942622				0.0067	0.0010	8942622
Total Molybdenum (Mo)	mg/L	0.0060	0.0010	8931968				0.0058	0.0010	8931968
Dissolved Nickel (Ni)	mg/L	<0.0010	0.0010	8942622				<0.0010	0.0010	8942622
Total Nickel (Ni)	mg/L	<0.0010	0.0010	8931968				<0.0010	0.0010	8931968
Dissolved Selenium (Se)	mg/L	0.00016	0.00010	8942622				0.00015	0.00010	8942622
Total Selenium (Se)	mg/L	<0.00010	0.00010	8931968				<0.00010	0.00010	8931968
Dissolved Silver (Ag)	mg/L	<0.000020	0.000020	8942622				<0.000020	0.000020	8942622
Total Silver (Ag)	mg/L	<0.000020	0.000020	8931968				<0.000020	0.000020	8931968
Dissolved Strontium (Sr)	mg/L	0.157	0.0010	8942622				0.155	0.0010	8942622
Total Strontium (Sr)	mg/L	0.141	0.0010	8931968				0.135	0.0010	8931968
Dissolved Thallium (Tl)	mg/L	<0.000010	0.000010	8942622				<0.000010	0.000010	8942622
Total Thallium (Tl)	mg/L	<0.000010	0.000010	8931968				<0.000010	0.000010	8931968
Dissolved Tin (Sn)	mg/L	<0.0050	0.0050	8942622				<0.0050	0.0050	8942622
Total Tin (Sn)	mg/L	<0.0050	0.0050	8931968				<0.0050	0.0050	8931968
Dissolved Titanium (Ti)	mg/L	<0.0050	0.0050	8942622				<0.0050	0.0050	8942622
Total Titanium (Ti)	mg/L	<0.0050	0.0050	8931968				<0.0050	0.0050	8931968
Dissolved Uranium (U)	mg/L	0.00012	0.00010	8942622				0.00012	0.00010	8942622
Total Uranium (U)	mg/L	0.00011	0.00010	8931968				0.00012	0.00010	8931968
Dissolved Vanadium (V)	mg/L	<0.0050	0.0050	8942622				<0.0050	0.0050	8942622
Total Vanadium (V)	mg/L	<0.0050	0.0050	8931968				<0.0050	0.0050	8931968
Dissolved Zinc (Zn)	mg/L	<0.0050	0.0050	8942622				<0.0050	0.0050	8942622
Total Zinc (Zn)	mg/L	<0.0050	0.0050	8931968				<0.0050	0.0050	8931968
Dissolved Calcium (Ca)	mg/L	16.5	0.050	8931970				16.6	0.050	8931970
Total Calcium (Ca)	mg/L	15.0	0.050	8931967				15.0	0.050	8931967
Dissolved Magnesium (Mg)	mg/L	7.84	0.050	8931970				7.76	0.050	8931970
Total Magnesium (Mg)	mg/L	7.30	0.050	8931967				7.10	0.050	8931967
Dissolved Potassium (K)	mg/L	1.96	0.050	8931970				1.97	0.050	8931970

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



BUREAU
VERITAS

Bureau Veritas Job #: C3S0556
Report Date: 2023/09/26

Agnico Eagle
Your P.O. #: 1248940
Sampler Initials: TD

RESULTS OF ANALYSES OF WATER

Bureau Veritas ID		WYX408				WYX408				WYX409		
Sampling Date		2023/09/07 12:15				2023/09/07 12:15				2023/09/07 12:15		
COC Number		763371				763371				763371		
	UNITS	MW-IPD-07A	RDL	QC Batch	MW-IPD-07A Lab-Dup	RDL	QC Batch	MW-IPD-07B	RDL	QC Batch		
Total Potassium (K)	mg/L	1.78	0.050	8931967				1.71	0.050	8931967		
Dissolved Sodium (Na)	mg/L	22.7	0.050	8931970				22.8	0.050	8931970		
Total Sodium (Na)	mg/L	20.7	0.050	8931967				19.8	0.050	8931967		
RDL = Reportable Detection Limit QC Batch = Quality Control Batch Lab-Dup = Laboratory Initiated Duplicate												



BUREAU
VERITAS

Bureau Veritas Job #: C3S0556
Report Date: 2023/09/26

Agnico Eagle
Your P.O. #: 1248940
Sampler Initials: TD

ELEMENTS BY ATOMIC SPECTROSCOPY (WATER)

Bureau Veritas ID		WYX408			WYX408			WYX409		
Sampling Date		2023/09/07 12:15			2023/09/07 12:15			2023/09/07 12:15		
COC Number		763371			763371			763371		
	UNITS	MW-IPD-07A	RDL	QC Batch	MW-IPD-07A Lab-Dup	RDL	QC Batch	MW-IPD-07B	RDL	QC Batch
Calculated Parameters										
Total Hardness (CaCO3)	mg/L	67.4	0.50	8931966				66.6	0.50	8931966
Metals										
Dissolved Calcium (Ca)	mg/L	18	0.05	8914945				18	0.05	8914945
Dissolved Magnesium (Mg)	mg/L	9.4	0.05	8914945				9.5	0.05	8914945
Mercury (Hg)	mg/L	<0.00001	0.00001	8923701	<0.00001	0.00001	8923701	<0.00001	0.00001	8923701
Dissolved Mercury (Hg)	mg/L	<0.00001	0.00001	8923715	<0.00001	0.00001	8923715	<0.00001	0.00001	8918950
Dissolved Potassium (K)	mg/L	2	1	8914945				2	1	8914945
Dissolved Sodium (Na)	mg/L	27	0.5	8914945				27	0.5	8914945
RDL = Reportable Detection Limit QC Batch = Quality Control Batch Lab-Dup = Laboratory Initiated Duplicate										



BUREAU
VERITAS

Bureau Veritas Job #: C3S0556
Report Date: 2023/09/26

Agnico Eagle
Your P.O. #: 1248940
Sampler Initials: TD

TEST SUMMARY

Bureau Veritas ID: WYX408
Sample ID: MW-IPD-07A
Matrix: Water

Collected: 2023/09/07
Shipped:
Received: 2023/09/12

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
Alkalinity	AT	8915555	N/A	2023/09/14	Surinder Rai
Carbonate, Bicarbonate and Hydroxide	CALC	8914503	N/A	2023/09/14	Automated Statchk
Anions	IC	8915500	N/A	2023/09/14	Lusine Khachatryan
Chloride by Automated Colourimetry	KONE	8915528	N/A	2023/09/14	Massarat Jan
Conductivity	AT	8915554	N/A	2023/09/14	Surinder Rai
Dissolved Organic Carbon (DOC)	TOCV/NDIR	8914985	N/A	2023/09/14	Gyulshen Idriz
Fluoride	ISE	8915557	2023/09/13	2023/09/14	Surinder Rai
Dissolved Mercury (low level)	CV/AA	8923715	2023/09/15	2023/09/19	Japneet Gill
Mercury (low level)	CV/AA	8923701	2023/09/18	2023/09/18	Thuy Linh Nguyen
Lab Filtered Metals Analysis by ICP	ICP	8914945	2023/09/13	2023/09/14	Suban Kanapathipplai
Low Level Chloride and Sulphate by AC	KONE	8933713	N/A	2023/09/21	Carlo Truong
Cyanide (Free)	SPEC	8927542	N/A	2023/09/19	Amy Phan
Cyanide, Strong Acid Dissociable (SAD)	TECH/UVVS	8927540	2023/09/19	2023/09/19	Ming Dong
Cyanide WAD (weak acid dissociable)	TECH	8933714	N/A	2023/09/19	Ming Dong
Hardness Total (calculated as CaCO3)	CALC	8931966	N/A	2023/09/19	Automated Statchk
Na, K, Ca, Mg, S by CRC ICPMS (diss.)	ICP	8931970	N/A	2023/09/26	Automated Statchk
Elements by CRC ICPMS (dissolved)	ICP/MS	8942622	N/A	2023/09/19	Andrew An
Na, K, Ca, Mg, S by CRC ICPMS (total)	ICP	8931967	2023/09/19	2023/09/19	Automated Statchk
Elements by CRC ICPMS (total)	ICP/MS	8931968	2023/09/18	2023/09/19	Andrew An
Silica (Reactive)	KONE	8933708	N/A	2023/09/21	Adam Fishleigh
Total Phosphorus Low Level Total	KONE	8936045	2023/09/20	2023/09/21	Mary Anne Dela Cruz
Total Ammonia (as NH3)	CALC	8914836	N/A	2023/09/15	Automated Statchk
Ammonium as NH4+	CALC/NH3	8914838	N/A	2023/09/15	Automated Statchk
Total Ammonia-N	LACH/NH4	8917975	N/A	2023/09/15	Shivani Shivani
Nitrate & Nitrite as Nitrogen in Water	LACH	8915180	N/A	2023/09/14	Chandra Nandlal
pH	AT	8915553	2023/09/13	2023/09/14	Surinder Rai
Field Measured pH	PH	ONSITE	N/A	2023/09/13	Sattyajita Bastola
Orthophosphate	KONE	8915519	N/A	2023/09/14	Massarat Jan
Redox Potential	COND	8915086	2023/09/13	2023/09/14	Gurpartee K AUR
Sodium Adsorption Ratio (SAR)	CALC/MET	8914785	N/A	2023/09/14	Automated Statchk
Total Dissolved Solids (TDS calc)	CALC	8914839	N/A	2023/09/26	Automated Statchk
Total Dissolved Solids	BAL	8912896	2023/09/14	2023/09/15	Razieh Tabesh
Field Measured pH	PH	ONSITE	N/A	2023/09/13	Sattyajita Bastola
Total Kjeldahl Nitrogen in Water	SKAL	8915997	2023/09/14	2023/09/19	Rajni Tyagi
Total Organic Carbon (TOC)	TOCV/NDIR	8915982	N/A	2023/09/15	Gyulshen Idriz
Low Level Total Suspended Solids	BAL	8915498	2023/09/13	2023/09/14	Shaneil Hall
Turbidity	AT	8915126	N/A	2023/09/14	Leily Karimi
Un-ionized Ammonia (as N)	CALC	8914841	2023/09/15	2023/09/15	Automated Statchk

Bureau Veritas ID: WYX408 Dup
Sample ID: MW-IPD-07A
Matrix: Water

Collected: 2023/09/07
Shipped:
Received: 2023/09/12

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
Anions	IC	8915500	N/A	2023/09/14	Lusine Khachatryan
Dissolved Mercury (low level)	CV/AA	8923715	2023/09/15	2023/09/19	Japneet Gill



BUREAU
VERITAS

Bureau Veritas Job #: C3S0556
Report Date: 2023/09/26

Agnico Eagle
Your P.O. #: 1248940
Sampler Initials: TD

TEST SUMMARY

Bureau Veritas ID: WYX408 Dup
Sample ID: MW-IPD-07A
Matrix: Water

Collected: 2023/09/07
Shipped:
Received: 2023/09/12

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
Mercury (low level)	CV/AA	8923701	2023/09/18	2023/09/18	Thuy Linh Nguyen
Turbidity	AT	8915126	N/A	2023/09/14	Leily Karimi

Bureau Veritas ID: WYX409
Sample ID: MW-IPD-07B
Matrix: Water

Collected: 2023/09/07
Shipped:
Received: 2023/09/12

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
Alkalinity	AT	8915555	N/A	2023/09/14	Surinder Rai
Carbonate, Bicarbonate and Hydroxide	CALC	8914503	N/A	2023/09/14	Automated Statchk
Anions	IC	8915500	N/A	2023/09/14	Lusine Khachatryan
Chloride by Automated Colourimetry	KONE	8915528	N/A	2023/09/14	Massarat Jan
Conductivity	AT	8915554	N/A	2023/09/14	Surinder Rai
Dissolved Organic Carbon (DOC)	TOCV/NDIR	8914985	N/A	2023/09/14	Gyulshen Idriz
Fluoride	ISE	8915557	2023/09/13	2023/09/14	Surinder Rai
Dissolved Mercury (low level)	CV/AA	8918950	2023/09/15	2023/09/15	Thuy Linh Nguyen
Mercury (low level)	CV/AA	8923701	2023/09/18	2023/09/18	Thuy Linh Nguyen
Lab Filtered Metals Analysis by ICP	ICP	8914945	2023/09/13	2023/09/14	Suban Kanapathipplai
Low Level Chloride and Sulphate by AC	KONE	8933713	N/A	2023/09/21	Carlo Truong
Cyanide (Free)	SPEC	8927542	N/A	2023/09/19	Amy Phan
Cyanide, Strong Acid Dissociable (SAD)	TECH/UVVS	8927540	2023/09/19	2023/09/19	Ming Dong
Cyanide WAD (weak acid dissociable)	TECH	8933714	N/A	2023/09/19	Ming Dong
Hardness Total (calculated as CaCO3)	CALC	8931966	N/A	2023/09/19	Automated Statchk
Na, K, Ca, Mg, S by CRC ICPMS (diss.)	ICP	8931970	N/A	2023/09/26	Automated Statchk
Elements by CRC ICPMS (dissolved)	ICP/MS	8942622	N/A	2023/09/19	Andrew An
Na, K, Ca, Mg, S by CRC ICPMS (total)	ICP	8931967	2023/09/19	2023/09/19	Automated Statchk
Elements by CRC ICPMS (total)	ICP/MS	8931968	2023/09/18	2023/09/19	Andrew An
Silica (Reactive)	KONE	8936046	N/A	2023/09/21	Adam Fishleigh
Total Phosphorus Low Level Total	KONE	8936045	2023/09/20	2023/09/21	Mary Anne Dela Cruz
Total Ammonia (as NH3)	CALC	8914836	N/A	2023/09/15	Automated Statchk
Ammonium as NH4+	CALC/NH3	8914838	N/A	2023/09/15	Automated Statchk
Total Ammonia-N	LACH/NH4	8917975	N/A	2023/09/15	Shivani Shivani
Nitrate & Nitrite as Nitrogen in Water	LACH	8915180	N/A	2023/09/14	Chandra Nandlal
pH	AT	8915553	2023/09/13	2023/09/14	Surinder Rai
Field Measured pH	PH	ONSITE	N/A	2023/09/13	Sattyajita Bastola
Orthophosphate	KONE	8915519	N/A	2023/09/14	Massarat Jan
Redox Potential	COND	8915086	2023/09/13	2023/09/14	Gurpartee K AUR
Sodium Adsorption Ratio (SAR)	CALC/MET	8914785	N/A	2023/09/14	Automated Statchk
Total Dissolved Solids (TDS calc)	CALC	8914839	N/A	2023/09/26	Automated Statchk
Total Dissolved Solids	BAL	8912896	2023/09/14	2023/09/15	Razieh Tabesh
Field Measured pH	PH	ONSITE	N/A	2023/09/13	Sattyajita Bastola
Total Kjeldahl Nitrogen in Water	SKAL	8915997	2023/09/14	2023/09/18	Rajni Tyagi
Total Organic Carbon (TOC)	TOCV/NDIR	8915982	N/A	2023/09/15	Gyulshen Idriz
Low Level Total Suspended Solids	BAL	8915498	2023/09/13	2023/09/14	Shaneil Hall
Turbidity	AT	8915126	N/A	2023/09/14	Leily Karimi
Un-ionized Ammonia (as N)	CALC	8914841	2023/09/15	2023/09/15	Automated Statchk



GENERAL COMMENTS

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

Package 1	19.7°C
-----------	--------

Sample WYX408 [MW-IPD-07A] : TKN < Ammonia: Both values fall within the method uncertainty for duplicates and are likely equivalent. TOC < DOC: Both values fall within the method uncertainty for duplicates and are likely equivalent.

Results relate only to the items tested.



BUREAU
VERITAS

Bureau Veritas Job #: C3S0556

Report Date: 2023/09/26

QUALITY ASSURANCE REPORT

Agnico Eagle

Your P.O. #: 1248940

Sampler Initials: TD

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
8912896	Total Dissolved Solids	2023/09/15			100	90 - 110	<10	mg/L	3.2	20		
8914945	Dissolved Calcium (Ca)	2023/09/14	NC	80 - 120	97	80 - 120	<0.05	mg/L	2.4	25		
8914945	Dissolved Magnesium (Mg)	2023/09/14	NC	80 - 120	98	80 - 120	<0.05	mg/L	2.6	25		
8914945	Dissolved Potassium (K)	2023/09/14	NC	80 - 120	98	80 - 120	<1	mg/L	3.1	25		
8914945	Dissolved Sodium (Na)	2023/09/14	NC	80 - 120	98	80 - 120	<0.5	mg/L	2.0	25		
8914985	Dissolved Organic Carbon	2023/09/14	94	80 - 120	98	80 - 120	<0.40	mg/L	0.65	20		
8915086	Redox Potential	2023/09/14			101	95 - 105			5.2	20		
8915126	Turbidity	2023/09/14			99	80 - 120	<0.1	NTU	7.9	20		
8915180	Nitrate (N)	2023/09/14	NC	80 - 120	92	80 - 120	<0.10	mg/L	2.0	20		
8915180	Nitrite (N)	2023/09/14	98	80 - 120	99	80 - 120	<0.010	mg/L	1.3	20		
8915498	Total Suspended Solids	2023/09/14			95	85 - 115	<1	mg/L	15	20		
8915500	Bromide (Br-)	2023/09/14	103	80 - 120	104	80 - 120	<1.0	mg/L	NC	20		
8915519	Orthophosphate (P)	2023/09/14	NC	75 - 125	96	80 - 120	<0.010	mg/L	0.18	20		
8915528	Dissolved Chloride (Cl-)	2023/09/14	NC	80 - 120	103	80 - 120	<1.0	mg/L	1.1	20		
8915553	pH	2023/09/14			102	98 - 103			0.027	N/A		
8915554	Conductivity	2023/09/14			100	85 - 115	<1.0	umho/cm	0.27	10		
8915555	Alkalinity (Total as CaCO3)	2023/09/14			95	85 - 115	<1.0	mg/L	13	20		
8915557	Fluoride (F-)	2023/09/14	107	80 - 120	100	80 - 120	<0.10	mg/L	NC	20		
8915982	Total Organic Carbon (TOC)	2023/09/15	NC	80 - 120	97	80 - 120	<0.40	mg/L	0.55	20		
8915997	Total Kjeldahl Nitrogen (TKN)	2023/09/18	NC	80 - 120	98	80 - 120	<0.10	mg/L	20	20	96	N/A
8917975	Total Ammonia-N	2023/09/15	104	75 - 125	102	80 - 120	<0.050	mg/L	NC	20		
8918950	Dissolved Mercury (Hg)	2023/09/15	101	75 - 125	102	80 - 120	<0.00001	mg/L	NC	20		
8923701	Mercury (Hg)	2023/09/18	99	75 - 125	98	80 - 120	<0.00001	mg/L	NC	20		
8923715	Dissolved Mercury (Hg)	2023/09/19	84	75 - 125	96	80 - 120	<0.00001	mg/L	NC	20		
8927540	Strong Acid Dissoc. Cyanide (CN)	2023/09/19	79 (1)	80 - 120	97	80 - 120	<0.00050	mg/L				
8927542	Free Cyanide (CN)	2023/09/19	86	80 - 120	90	80 - 120	<2.0	ug/L				
8931968	Total Aluminum (Al)	2023/09/19	103	80 - 120	103	80 - 120	<0.0030	mg/L	NC	20		
8931968	Total Antimony (Sb)	2023/09/19	105	80 - 120	104	80 - 120	<0.00050	mg/L	NC	20		
8931968	Total Arsenic (As)	2023/09/19	105	80 - 120	103	80 - 120	<0.00010	mg/L	3.0	20		
8931968	Total Barium (Ba)	2023/09/19	101	80 - 120	100	80 - 120	<0.0010	mg/L	0.24	20		
8931968	Total Beryllium (Be)	2023/09/19	95	80 - 120	98	80 - 120	<0.00010	mg/L	NC	20		



BUREAU
VERITAS

Bureau Veritas Job #: C3S0556

Report Date: 2023/09/26

QUALITY ASSURANCE REPORT(CONT'D)

Agnico Eagle

Your P.O. #: 1248940

Sampler Initials: TD

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
8931968	Total Bismuth (Bi)	2023/09/19	96	80 - 120	96	80 - 120	<0.0010	mg/L	NC	20		
8931968	Total Boron (B)	2023/09/19	101	80 - 120	103	80 - 120	<0.050	mg/L	NC	20		
8931968	Total Cadmium (Cd)	2023/09/19	104	80 - 120	102	80 - 120	<0.000010	mg/L	15	20		
8931968	Total Chromium (Cr)	2023/09/19	103	80 - 120	101	80 - 120	<0.0010	mg/L	NC	20		
8931968	Total Copper (Cu)	2023/09/19	100	80 - 120	99	80 - 120	<0.00050	mg/L	0.12	20		
8931968	Total Iron (Fe)	2023/09/19	101	80 - 120	101	80 - 120	<0.010	mg/L	3.9	20		
8931968	Total Lead (Pb)	2023/09/19	101	80 - 120	101	80 - 120	<0.00020	mg/L	NC	20		
8931968	Total Lithium (Li)	2023/09/19	97	80 - 120	102	80 - 120	<0.0020	mg/L	NC	20		
8931968	Total Manganese (Mn)	2023/09/19	101	80 - 120	100	80 - 120	<0.0010	mg/L	0.22	20		
8931968	Total Molybdenum (Mo)	2023/09/19	104	80 - 120	102	80 - 120	<0.0010	mg/L	NC	20		
8931968	Total Nickel (Ni)	2023/09/19	100	80 - 120	99	80 - 120	<0.0010	mg/L	NC	20		
8931968	Total Selenium (Se)	2023/09/19	103	80 - 120	102	80 - 120	<0.00010	mg/L	NC	20		
8931968	Total Silver (Ag)	2023/09/19	101	80 - 120	101	80 - 120	<0.000020	mg/L	NC	20		
8931968	Total Strontium (Sr)	2023/09/19	108	80 - 120	104	80 - 120	<0.0010	mg/L	1.9	20		
8931968	Total Thallium (Tl)	2023/09/19	101	80 - 120	100	80 - 120	<0.000010	mg/L	NC	20		
8931968	Total Tin (Sn)	2023/09/19	101	80 - 120	100	80 - 120	<0.0050	mg/L	NC	20		
8931968	Total Titanium (Ti)	2023/09/19	104	80 - 120	102	80 - 120	<0.0050	mg/L	NC	20		
8931968	Total Uranium (U)	2023/09/19	106	80 - 120	104	80 - 120	<0.00010	mg/L	NC	20		
8931968	Total Vanadium (V)	2023/09/19	101	80 - 120	99	80 - 120	<0.0050	mg/L	NC	20		
8931968	Total Zinc (Zn)	2023/09/19	106	80 - 120	101	80 - 120	<0.0050	mg/L	NC	20		
8933708	Reactive Silica (SiO2)	2023/09/21	96	80 - 120	103	80 - 120	<0.050	mg/L				
8933713	Dissolved Sulphate (SO4)	2023/09/21	NC	80 - 120	102	80 - 120	0.76, RDL=0.50 (2)	mg/L				
8933714	Weak Acid Dissoc. Cyanide (CN)	2023/09/19	109	80 - 120	105	80 - 120	<0.00050	mg/L				
8936045	Total Phosphorus (P)	2023/09/21	109	80 - 120	93	80 - 120	<0.0010	mg/L			91	80 - 120
8936046	Reactive Silica (SiO2)	2023/09/21	87	80 - 120	101	80 - 120	<0.050	mg/L				
8942622	Dissolved Aluminum (Al)	2023/09/19	97	80 - 120	100	80 - 120	<0.0030	mg/L				
8942622	Dissolved Antimony (Sb)	2023/09/19	102	80 - 120	104	80 - 120	<0.00050	mg/L				
8942622	Dissolved Arsenic (As)	2023/09/19	103	80 - 120	102	80 - 120	<0.00010	mg/L				
8942622	Dissolved Barium (Ba)	2023/09/19	99	80 - 120	101	80 - 120	<0.0010	mg/L				
8942622	Dissolved Beryllium (Be)	2023/09/19	86	80 - 120	93	80 - 120	<0.00010	mg/L				
8942622	Dissolved Bismuth (Bi)	2023/09/19	94	80 - 120	96	80 - 120	<0.0010	mg/L				



BUREAU
VERITAS

Bureau Veritas Job #: C3S0556

Report Date: 2023/09/26

QUALITY ASSURANCE REPORT(CONT'D)

Agnico Eagle

Your P.O. #: 1248940

Sampler Initials: TD

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
8942622	Dissolved Boron (B)	2023/09/19	93	80 - 120	100	80 - 120	<0.050	mg/L				
8942622	Dissolved Cadmium (Cd)	2023/09/19	101	80 - 120	102	80 - 120	<0.000010	mg/L				
8942622	Dissolved Chromium (Cr)	2023/09/19	102	80 - 120	101	80 - 120	<0.0010	mg/L				
8942622	Dissolved Copper (Cu)	2023/09/19	100	80 - 120	99	80 - 120	<0.00020	mg/L				
8942622	Dissolved Iron (Fe)	2023/09/19	99	80 - 120	104	80 - 120	<0.0050	mg/L				
8942622	Dissolved Lead (Pb)	2023/09/19	98	80 - 120	99	80 - 120	<0.00020	mg/L				
8942622	Dissolved Lithium (Li)	2023/09/19	92	80 - 120	98	80 - 120	<0.0020	mg/L				
8942622	Dissolved Manganese (Mn)	2023/09/19	99	80 - 120	100	80 - 120	<0.0010	mg/L				
8942622	Dissolved Molybdenum (Mo)	2023/09/19	101	80 - 120	103	80 - 120	<0.0010	mg/L				
8942622	Dissolved Nickel (Ni)	2023/09/19	99	80 - 120	100	80 - 120	<0.0010	mg/L				
8942622	Dissolved Selenium (Se)	2023/09/19	102	80 - 120	104	80 - 120	<0.00010	mg/L				
8942622	Dissolved Silver (Ag)	2023/09/19	99	80 - 120	102	80 - 120	<0.000020	mg/L				
8942622	Dissolved Strontium (Sr)	2023/09/19	96	80 - 120	103	80 - 120	<0.0010	mg/L				
8942622	Dissolved Thallium (Tl)	2023/09/19	95	80 - 120	99	80 - 120	<0.000010	mg/L				
8942622	Dissolved Tin (Sn)	2023/09/19	99	80 - 120	101	80 - 120	<0.0050	mg/L				
8942622	Dissolved Titanium (Ti)	2023/09/19	101	80 - 120	102	80 - 120	<0.0050	mg/L				
8942622	Dissolved Uranium (U)	2023/09/19	101	80 - 120	103	80 - 120	<0.00010	mg/L				
8942622	Dissolved Vanadium (V)	2023/09/19	100	80 - 120	101	80 - 120	<0.0050	mg/L				
8942622	Dissolved Zinc (Zn)	2023/09/19	103	80 - 120	102	80 - 120	<0.0050	mg/L				

N/A = Not Applicable

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

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

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

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

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

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

NC (Duplicate RPD): The duplicate RPD was not calculated. The concentration in the sample and/or duplicate was too low to permit a reliable RPD calculation (absolute difference <= 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



VALIDATION SIGNATURE PAGE

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

Anastassia Hamanov, Scientific Specialist

Cristina Carriere, Senior Scientific Specialist

Ghayasuddin Khan, M.Sc., P.Chem., QP, Scientific Specialist, Inorganics

Mauro Oselin, Technician

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.

APPENDIX C-III ANALYTICAL REPORT NO. C3S4258

Monitoring Location	WSP Sample ID	Lab Sample ID
MW-16-01	MW-16-01A	WZQ507
	MW-16-01B	WZQ508



Your P.O. #: 1248940
 Your C.O.C. #: 765061

Attention: Reporting

Agnico Eagle
 Meadowbank
 Meadowbank
 Keewatin, NU
 CANADA POX 0A1

Report Date: 2023/10/04
 Report #: R7844549
 Version: 1 - Final

CERTIFICATE OF ANALYSIS

BUREAU VERITAS JOB #: C3S4258

Received: 2023/09/14, 15:19

Sample Matrix: Water
 # Samples Received: 2

Analyses	Quantity	Date Extracted	Date Analyzed	Laboratory Method	Analytical Method
Alkalinity (1)	2	N/A	2023/09/18	CAM SOP-00448	SM 23 2320 B m
Carbonate, Bicarbonate and Hydroxide (1)	2	N/A	2023/09/19	CAM SOP-00102	APHA 4500-CO2 D
Anions (1)	2	N/A	2023/09/19	CAM SOP-00435	SM 23 4110 B m
Chloride by Automated Colourimetry (1)	2	N/A	2023/09/18	CAM SOP-00463	SM 23 4500-Cl E m
Conductivity (1)	2	N/A	2023/09/18	CAM SOP-00414	SM 23 2510 m
Dissolved Organic Carbon (DOC) (1, 4)	2	N/A	2023/09/19	CAM SOP-00446	SM 23 5310 B m
Fluoride (1)	2	2023/09/16	2023/09/18	CAM SOP-00449	SM 23 4500-F C m
Dissolved Mercury in Water by CVAA (1)	2	2023/09/21	2023/09/21	CAM SOP-00453	EPA 7470A m
Mercury in Water by CVAA (1)	2	2023/09/21	2023/09/21	CAM SOP-00453	EPA 7470A m
Lab Filtered Metals Analysis by ICP (1)	2	2023/09/19	2023/09/20	CAM SOP-00408	EPA 6010D m
Low Level Chloride and Sulphate by AC (2)	2	N/A	2023/09/25	AB SOP-00020	SM24-4500-Cl/SO4-E m
Cyanide (Free) (2)	2	N/A	2023/09/22	CAL SOP-00266	EPA 9016d R0 m
Cyanide, Strong Acid Dissociable (SAD) (2)	2	2023/09/21	2023/09/21	CAL SOP-00270	SM 23 4500-CN m
Cyanide WAD (weak acid dissociable) (2)	2	N/A	2023/09/21	CAL SOP-00270	SM 23 4500-CN m
Hardness Total (calculated as CaCO3) (3, 5)	2	N/A	2023/09/25	BBY WI-00033	Auto Calc
Na, K, Ca, Mg, S by CRC ICPMS (diss.) (3)	2	N/A	2023/09/26	BBY WI-00033	Auto Calc
Elements by ICPMS Low Level (dissolved) (3, 6)	2	N/A	2023/09/25	BBY7SOP-00002	EPA 6020b R2 m
Na, K, Ca, Mg, S by CRC ICPMS (total) (3)	2	N/A	2023/09/25	BBY WI-00033	Auto Calc
Elements by ICPMS Low Level (total) (3)	2	N/A	2023/09/24	BBY7SOP-00002	EPA 6020b R2 m
Silica (Reactive) (2)	2	N/A	2023/09/28	AB SOP-00011	EPA 370.1 R1978 m
Total Phosphorus Low Level Total (2)	1	2023/09/22	2023/09/24	AB SOP-00024	SM 24 4500-P A,B,F m
Total Phosphorus Low Level Total (2)	1	2023/09/24	2023/09/25	AB SOP-00024	SM 24 4500-P A,B,F m
Total Ammonia (as NH3) (1)	2	N/A	2023/09/20	Auto Calc.	
Ammonium as NH4+ (1)	2	N/A	2023/09/20		
Total Ammonia-N (1)	2	N/A	2023/09/20	CAM SOP-00441	USGS I-2522-90 m
Nitrate & Nitrite as Nitrogen in Water (1, 7)	2	N/A	2023/09/18	CAM SOP-00440	SM 23 4500-NO3I/NO2B
pH (1)	2	2023/09/16	2023/09/18	CAM SOP-00413	SM 4500H+ B m
Field Measured pH (1, 8)	2	N/A	2023/09/15		Field pH Meter
Orthophosphate (1)	2	N/A	2023/09/18	CAM SOP-00461	SM 23 4500-P E m
Redox Potential (1, 9)	2	2023/09/16	2023/09/19	CAM SOP-00421	SM 2580 B
Sodium Adsorption Ratio (SAR) (1)	2	N/A	2023/09/21	CAM SOP-00102	EPA 6010C



Your P.O. #: 1248940
Your C.O.C. #: 765061

Attention: Reporting

Agnico Eagle
Meadowbank
Meadowbank
Keewatin, NU
CANADA P0X 0A1

Report Date: 2023/10/04
Report #: R7844549
Version: 1 - Final

CERTIFICATE OF ANALYSIS

BUREAU VERITAS JOB #: C3S4258

Received: 2023/09/14, 15:19

Sample Matrix: Water
Samples Received: 2

Analyses	Quantity	Date	Date	Laboratory Method	Analytical Method
		Extracted	Analyzed		
Total Dissolved Solids (TDS calc) (1)	2	N/A	2023/10/03		Auto Calc
Total Dissolved Solids (1)	2	2023/09/18	2023/09/19	CAM SOP-00428	SM 23 2540C m
Field Temperature (1, 8)	2	N/A	2023/09/15		Field Thermometer
Total Kjeldahl Nitrogen in Water (1)	2	2023/09/18	2023/09/19	CAM SOP-00938	OMOE E3516 m
Total Organic Carbon (TOC) (1, 10)	2	N/A	2023/09/20	CAM SOP-00446	SM 23 5310B m
Low Level Total Suspended Solids (1)	2	2023/09/19	2023/09/20	CAM SOP-00428	SM 23 2540D m
Turbidity (1)	2	N/A	2023/09/16	CAM SOP-00417	SM 23 2130 B m
Un-ionized Ammonia (as N) (1, 11)	2	2023/09/16	2023/09/20	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, MELCCFP, 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 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



Your P.O. #: 1248940
Your C.O.C. #: 765061

Attention: Reporting

Agnico Eagle
Meadowbank
Meadowbank
Keewatin, NU
CANADA POX 0A1

Report Date: 2023/10/04
Report #: R7844549
Version: 1 - Final

CERTIFICATE OF ANALYSIS

BUREAU VERITAS JOB #: C3S4258

Received: 2023/09/14, 15:19

- (4) Dissolved Organic Carbon (DOC) present in the sample should be considered as non-purgeable DOC.
- (5) "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).
- (6) Dissolved > Total Imbalance: When applicable, Dissolved and Total results were reviewed and data quality meets acceptable levels unless otherwise noted.
- (7) Values for calculated parameters may not appear to add up due to rounding of raw data and significant figures.
- (8) This is a field test, therefore, the results relate to items that were not analysed at Bureau Veritas.
- (9) Oxidation-Reduction Potential (ORP) values are determined using a Ag/AgCl reference electrode. The test is therefore, not SCC accredited for this matrix.
- (10) Total Organic Carbon (TOC) present in the sample should be considered as non-purgeable TOC.
- (11) 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

=====
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

Bureau Veritas Job #: C3S4258
Report Date: 2023/10/04

Agnico Eagle
Your P.O. #: 1248940
Sampler Initials: TD

RESULTS OF ANALYSES OF WATER

Bureau Veritas ID		WZQ507			WZQ507			WZQ508		
Sampling Date		2023/09/11 13:40			2023/09/11 13:40			2023/09/11 13:40		
COC Number		765061			765061			765061		
	UNITS	MW-16-01a	RDL	QC Batch	MW-16-01a Lab-Dup	RDL	QC Batch	MW-16-01b	RDL	QC Batch

Calculated Parameters										
Total Ammonia (as NH3)	mg/L	13	0.061	8921650				13	0.061	8921650
Ammonium (NH4)	mg/L	14	0.05	8921651				14	0.05	8921651
Bicarb. Alkalinity (calc. as CaCO3)	mg/L	150	1.0	8921579				150	1.0	8921579
Calculated TDS	mg/L	2300	1.0	8921659				2300	1.0	8921659
Carb. Alkalinity (calc. as CaCO3)	mg/L	<1.0	1.0	8921579				<1.0	1.0	8921579
Sodium Adsorption Ratio	N/A	4.7		8921653				4.8		8921653

CONVENTIONALS										
Redox Potential	mV	270	N/A	8922161				260	N/A	8922161

Field Measurements										
Field Temperature	Celsius	12.61	N/A	ONSITE				12.61	N/A	ONSITE
Field Measured pH	pH	7.6		ONSITE				7.6		ONSITE

Inorganics										
Total Ammonia-N	mg/L	11	0.050	8926908	11	0.050	8926908	11	0.050	8926908
Conductivity	umho/cm	3000	1.0	8922214	3000	1.0	8922214	3000	1.0	8922214
Free Cyanide (CN)	ug/L	27 (1)	2.0	8940087				27	2.0	8940087
Strong Acid Dissoc. Cyanide (CN)	mg/L	0.0356	0.00050	8936486				0.0355	0.00050	8936486
Weak Acid Dissoc. Cyanide (CN)	mg/L	0.021 (2)	0.00050	8949426				0.021 (2)	0.00050	8949426
Total Dissolved Solids	mg/L	2140	10	8922190				2160	10	8921712
Fluoride (F-)	mg/L	0.32	0.10	8922215	0.32	0.10	8922215	0.31	0.10	8922215
Total Kjeldahl Nitrogen (TKN)	mg/L	37	1.0	8924415				39	1.0	8924415
Dissolved Organic Carbon	mg/L	26	0.40	8921839				26	0.40	8921839
Total Organic Carbon (TOC)	mg/L	27	0.40	8923438				27	0.40	8923438
Orthophosphate (P)	mg/L	<0.010	0.010	8922198				<0.010	0.010	8922198
pH	pH	7.75		8922210	7.73		8922210	7.75		8922210
Total Phosphorus (P)	mg/L	0.054	0.0010	8938434				0.058	0.0010	8948686
Reactive Silica (SiO2)	mg/L	8.4	0.050	8949425				8.5	0.050	8949425
Total Suspended Solids	mg/L	12	1	8921804				21	1	8921804

RDL = Reportable Detection Limit
 QC Batch = Quality Control Batch
 Lab-Dup = Laboratory Initiated Duplicate
 N/A = Not Applicable

(1) 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.

(2) WAD Cyanide < Free Cyanide: Both values fall within the method uncertainty for duplicates and are likely equivalent.



BUREAU
VERITAS

Bureau Veritas Job #: C3S4258
Report Date: 2023/10/04

Agnico Eagle
Your P.O. #: 1248940
Sampler Initials: TD

RESULTS OF ANALYSES OF WATER

Bureau Veritas ID		WZQ507			WZQ507			WZQ508		
Sampling Date		2023/09/11 13:40			2023/09/11 13:40			2023/09/11 13:40		
COC Number		765061			765061			765061		
	UNITS	MW-16-01a	RDL	QC Batch	MW-16-01a Lab-Dup	RDL	QC Batch	MW-16-01b	RDL	QC Batch
Turbidity	NTU	50	0.1	8922143				53	0.1	8922143
Alkalinity (Total as CaCO3)	mg/L	150	1.0	8922213	150	1.0	8922213	150	1.0	8922213
Dissolved Chloride (Cl-)	mg/L	220	2.0	8922196				220	2.0	8922196
Nitrite (N)	mg/L	<0.010	0.010	8922189				<0.010	0.010	8922189
Nitrate (N)	mg/L	<0.10	0.10	8922189				<0.10	0.10	8922189
Dissolved Sulphate (SO4)	mg/L	1200	13	8940086				1200	13	8949427
Nitrate + Nitrite (N)	mg/L	<0.10	0.10	8922189				<0.10	0.10	8922189
Bromide (Br-)	mg/L	1.9	1.0	8922191				1.9	1.0	8922191
Un-ionized Ammonia (as N)	mg/L	0.099	0.00045	8921581				0.095	0.00045	8921581
Metals										
Dissolved Aluminum (Al)	ug/L	3.67	0.50	8951106				9.67	0.50	8951106
Total Aluminum (Al)	ug/L	42.1	1.0	8951105				7.7	1.0	8951105
Dissolved Antimony (Sb)	ug/L	<0.020	0.020	8951106				<0.020	0.020	8951106
Total Antimony (Sb)	ug/L	<0.040	0.040	8951105				<0.040	0.040	8951105
Dissolved Arsenic (As)	ug/L	230	0.020	8951106				229	0.020	8951106
Total Arsenic (As)	ug/L	199	0.040	8951105				208	0.040	8951105
Dissolved Barium (Ba)	ug/L	20.8	0.020	8951106				23.1	0.020	8951106
Total Barium (Ba)	ug/L	21.0	0.040	8951105				20.4	0.040	8951105
Dissolved Beryllium (Be)	ug/L	<0.010	0.010	8951106				<0.010	0.010	8951106
Total Beryllium (Be)	ug/L	<0.020	0.020	8951105				<0.020	0.020	8951105
Dissolved Bismuth (Bi)	ug/L	0.0051	0.0050	8951106				<0.0050	0.0050	8951106
Total Bismuth (Bi)	ug/L	<0.010	0.010	8951105				<0.010	0.010	8951105
Dissolved Boron (B)	ug/L	97	10	8951106				97	10	8951106
Total Boron (B)	ug/L	91	20	8951105				94	20	8951105
Dissolved Cadmium (Cd)	ug/L	<0.0050	0.0050	8951106				<0.0050	0.0050	8951106
Total Cadmium (Cd)	ug/L	<0.010	0.010	8951105				<0.010	0.010	8951105
Dissolved Chromium (Cr)	ug/L	<0.10	0.10	8951106				0.15	0.10	8951106
Total Chromium (Cr)	ug/L	0.64	0.20	8951105				<0.20	0.20	8951105
Dissolved Copper (Cu)	ug/L	0.110	0.050	8951106				0.199	0.050	8951106
Total Copper (Cu)	ug/L	0.39	0.10	8951105				0.21	0.10	8951105
Dissolved Iron (Fe)	ug/L	4670	1.0	8951106				4600	1.0	8951106
Total Iron (Fe)	ug/L	4920	2.0	8951105				5060	2.0	8951105
RDL = Reportable Detection Limit QC Batch = Quality Control Batch Lab-Dup = Laboratory Initiated Duplicate										



BUREAU
VERITAS

Bureau Veritas Job #: C3S4258
Report Date: 2023/10/04

Agnico Eagle
Your P.O. #: 1248940
Sampler Initials: TD

RESULTS OF ANALYSES OF WATER

Bureau Veritas ID		WZQ507			WZQ507			WZQ508		
Sampling Date		2023/09/11 13:40			2023/09/11 13:40			2023/09/11 13:40		
COC Number		765061			765061			765061		
	UNITS	MW-16-01a	RDL	QC Batch	MW-16-01a Lab-Dup	RDL	QC Batch	MW-16-01b	RDL	QC Batch
Dissolved Lead (Pb)	ug/L	0.0080	0.0050	8951106				0.0261	0.0050	8951106
Total Lead (Pb)	ug/L	1.86	0.010	8951105				0.078	0.010	8951105
Dissolved Lithium (Li)	ug/L	13.2	0.50	8951106				13.2	0.50	8951106
Total Lithium (Li)	ug/L	11.6	1.0	8951105				11.6	1.0	8951105
Dissolved Manganese (Mn)	ug/L	2230	0.050	8951106				2220	0.050	8951106
Total Manganese (Mn)	ug/L	2090	0.10	8951105				2200	0.10	8951105
Dissolved Molybdenum (Mo)	ug/L	58.7	0.050	8951106				57.7	0.050	8951106
Total Molybdenum (Mo)	ug/L	47.5	0.10	8951105				49.6	0.10	8951105
Dissolved Nickel (Ni)	ug/L	1.55	0.020	8951106				1.56	0.020	8951106
Total Nickel (Ni)	ug/L	1.78	0.040	8951105				1.54	0.040	8951105
Dissolved Selenium (Se)	ug/L	0.150	0.040	8951106				0.070	0.040	8951106
Total Selenium (Se)	ug/L	<0.080	0.080	8951105				<0.080	0.080	8951105
Dissolved Silver (Ag)	ug/L	<0.0050	0.0050	8951106				<0.0050	0.0050	8951106
Total Silver (Ag)	ug/L	<0.010	0.010	8951105				<0.010	0.010	8951105
Dissolved Strontium (Sr)	ug/L	1150	0.050	8951106				1150	0.050	8951106
Total Strontium (Sr)	ug/L	918	0.10	8951105				957	0.10	8951105
Dissolved Thallium (Tl)	ug/L	<0.0020	0.0020	8951106				<0.0020	0.0020	8951106
Total Thallium (Tl)	ug/L	<0.0040	0.0040	8951105				<0.0040	0.0040	8951105
Dissolved Tin (Sn)	ug/L	<0.20	0.20	8951106				<0.20	0.20	8951106
Total Tin (Sn)	ug/L	<0.40	0.40	8951105				<0.40	0.40	8951105
Dissolved Titanium (Ti)	ug/L	<0.50	0.50	8951106				0.52	0.50	8951106
Total Titanium (Ti)	ug/L	<1.0	1.0	8951105				<1.0	1.0	8951105
Dissolved Uranium (U)	ug/L	4.71	0.0020	8951106				4.72	0.0020	8951106
Total Uranium (U)	ug/L	4.00	0.0040	8951105				4.21	0.0040	8951105
Dissolved Vanadium (V)	ug/L	<0.20	0.20	8951106				<0.20	0.20	8951106
Total Vanadium (V)	ug/L	<0.40	0.40	8951105				<0.40	0.40	8951105
Dissolved Zinc (Zn)	ug/L	0.55	0.10	8951106				1.04	0.10	8951106
Total Zinc (Zn)	ug/L	6.22	0.20	8951105				1.58	0.20	8951105
Dissolved Calcium (Ca)	mg/L	225	0.050	8946053				224	0.050	8946053
Total Calcium (Ca)	mg/L	208	0.10	8946052				216	0.10	8946052
Dissolved Magnesium (Mg)	mg/L	85.5	0.050	8946053				84.9	0.050	8946053
Total Magnesium (Mg)	mg/L	69.6	0.10	8946052				74.2	0.10	8946052
RDL = Reportable Detection Limit QC Batch = Quality Control Batch Lab-Dup = Laboratory Initiated Duplicate										



RESULTS OF ANALYSES OF WATER

Bureau Veritas ID		WZQ507			WZQ507			WZQ508		
Sampling Date		2023/09/11 13:40			2023/09/11 13:40			2023/09/11 13:40		
COC Number		765061			765061			765061		
	UNITS	MW-16-01a	RDL	QC Batch	MW-16-01a Lab-Dup	RDL	QC Batch	MW-16-01b	RDL	QC Batch
Dissolved Potassium (K)	mg/L	22.2	0.050	8946053				22.3	0.050	8946053
Total Potassium (K)	mg/L	19.2	0.10	8946052				20.1	0.10	8946052
Dissolved Sodium (Na)	mg/L	291	0.050	8946053				285	0.050	8946053
Total Sodium (Na)	mg/L	269	0.10	8946052				289	0.10	8946052
RDL = Reportable Detection Limit QC Batch = Quality Control Batch Lab-Dup = Laboratory Initiated Duplicate										

Bureau Veritas ID		WZQ508		
Sampling Date		2023/09/11 13:40		
COC Number		765061		
	UNITS	MW-16-01b Lab-Dup	RDL	QC Batch
Inorganics				
Orthophosphate (P)	mg/L	<0.010	0.010	8922198
Dissolved Chloride (Cl-)	mg/L	220	2.0	8922196
Dissolved Sulphate (SO4)	mg/L	1200	13	8949427
RDL = Reportable Detection Limit QC Batch = Quality Control Batch Lab-Dup = Laboratory Initiated Duplicate				



ELEMENTS BY ATOMIC SPECTROSCOPY (WATER)

Bureau Veritas ID		WZQ507			WZQ507			WZQ508		
Sampling Date		2023/09/11 13:40			2023/09/11 13:40			2023/09/11 13:40		
COC Number		765061			765061			765061		
	UNITS	MW-16-01a	RDL	QC Batch	MW-16-01a Lab-Dup	RDL	QC Batch	MW-16-01b	RDL	QC Batch
Calculated Parameters										
Total Hardness (CaCO3)	mg/L	806	0.50	8943099				844	0.50	8943099
Metals										
Dissolved Calcium (Ca)	mg/L	250	0.05	8926528				260	0.05	8926528
Dissolved Magnesium (Mg)	mg/L	82	0.05	8926528				83	0.05	8926528
Mercury (Hg)	mg/L	<0.00010	0.00010	8931529				<0.00010	0.00010	8931529
Dissolved Mercury (Hg)	mg/L	<0.00010	0.00010	8931570	<0.00010	0.00010	8931570	<0.00010	0.00010	8931570
Dissolved Potassium (K)	mg/L	25	1	8926528				26	1	8926528
Dissolved Sodium (Na)	mg/L	340	0.5	8926528				340	0.5	8926528
RDL = Reportable Detection Limit QC Batch = Quality Control Batch Lab-Dup = Laboratory Initiated Duplicate										



BUREAU
VERITAS

Bureau Veritas Job #: C3S4258
Report Date: 2023/10/04

Agnico Eagle
Your P.O. #: 1248940
Sampler Initials: TD

TEST SUMMARY

Bureau Veritas ID: WZQ507
Sample ID: MW-16-01a
Matrix: Water

Collected: 2023/09/11
Shipped:
Received: 2023/09/14

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
Alkalinity	AT	8922213	N/A	2023/09/18	Surinder Rai
Carbonate, Bicarbonate and Hydroxide	CALC	8921579	N/A	2023/09/19	Automated Statchk
Anions	IC	8922191	N/A	2023/09/19	Lusine Khachatryan
Chloride by Automated Colourimetry	KONE	8922196	N/A	2023/09/18	Alina Dobreanu
Conductivity	AT	8922214	N/A	2023/09/18	Surinder Rai
Dissolved Organic Carbon (DOC)	TOCV/NDIR	8921839	N/A	2023/09/19	Gyulshen Idriz
Fluoride	ISE	8922215	2023/09/16	2023/09/18	Surinder Rai
Dissolved Mercury in Water by CVAA	CV/AA	8931570	2023/09/21	2023/09/21	Japneet Gill
Mercury in Water by CVAA	CV/AA	8931529	2023/09/21	2023/09/21	Japneet Gill
Lab Filtered Metals Analysis by ICP	ICP	8926528	2023/09/19	2023/09/20	Suban Kanapathipplai
Low Level Chloride and Sulphate by AC	KONE	8940086	N/A	2023/09/25	Shanna McKort
Cyanide (Free)	SPEC	8940087	N/A	2023/09/22	Amy Phan
Cyanide, Strong Acid Dissociable (SAD)	TECH/UVVS	8936486	2023/09/21	2023/09/21	Ming Dong
Cyanide WAD (weak acid dissociable)	TECH	8949426	N/A	2023/09/21	Ming Dong
Hardness Total (calculated as CaCO3)	CALC	8943099	N/A	2023/09/25	Automated Statchk
Na, K, Ca, Mg, S by CRC ICPMS (diss.)	ICP	8946053	N/A	2023/09/26	Automated Statchk
Elements by ICPMS Low Level (dissolved)	ICP/MS	8951106	N/A	2023/09/25	Andrew An
Na, K, Ca, Mg, S by CRC ICPMS (total)	ICP	8946052	N/A	2023/09/25	Automated Statchk
Elements by ICPMS Low Level (total)	ICP/MS	8951105	N/A	2023/09/24	Megan Mak
Silica (Reactive)	KONE	8949425	N/A	2023/09/28	Marjolen Busslinger
Total Phosphorus Low Level Total	KONE	8938434	2023/09/22	2023/09/24	Carlo Truong
Total Ammonia (as NH3)	CALC	8921650	N/A	2023/09/20	Automated Statchk
Ammonium as NH4+	CALC/NH3	8921651	N/A	2023/09/20	Automated Statchk
Total Ammonia-N	LACH/NH4	8926908	N/A	2023/09/20	Shivani Shivani
Nitrate & Nitrite as Nitrogen in Water	LACH	8922189	N/A	2023/09/18	Chandra Nandlal
pH	AT	8922210	2023/09/16	2023/09/18	Surinder Rai
Field Measured pH	PH	ONSITE	N/A	2023/09/15	Alam Joseph
Orthophosphate	KONE	8922198	N/A	2023/09/18	Alina Dobreanu
Redox Potential	COND	8922161	2023/09/16	2023/09/19	Gurpartee K AUR
Sodium Adsorption Ratio (SAR)	CALC/MET	8921653	N/A	2023/09/21	Automated Statchk
Total Dissolved Solids (TDS calc)	CALC	8921659	N/A	2023/10/03	Automated Statchk
Total Dissolved Solids	BAL	8922190	2023/09/18	2023/09/19	Razieh Tabesh
Field Measured pH	PH	ONSITE	N/A	2023/09/15	Alam Joseph
Total Kjeldahl Nitrogen in Water	SKAL	8924415	2023/09/18	2023/09/19	Kruti Jitesh Patel
Total Organic Carbon (TOC)	TOCV/NDIR	8923438	N/A	2023/09/20	Gyulshen Idriz
Low Level Total Suspended Solids	BAL	8921804	2023/09/19	2023/09/20	Razieh Tabesh
Turbidity	AT	8922143	N/A	2023/09/16	Leily Karimi
Un-ionized Ammonia (as N)	CALC	8921581	2023/09/20	2023/09/20	Automated Statchk

Bureau Veritas ID: WZQ507 Dup
Sample ID: MW-16-01a
Matrix: Water

Collected: 2023/09/11
Shipped:
Received: 2023/09/14

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
Alkalinity	AT	8922213	N/A	2023/09/18	Surinder Rai
Conductivity	AT	8922214	N/A	2023/09/18	Surinder Rai



BUREAU
VERITAS

Bureau Veritas Job #: C3S4258
Report Date: 2023/10/04

Agnico Eagle
Your P.O. #: 1248940
Sampler Initials: TD

TEST SUMMARY

Bureau Veritas ID: WZQ507 Dup
Sample ID: MW-16-01a
Matrix: Water

Collected: 2023/09/11
Shipped:
Received: 2023/09/14

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
Fluoride	ISE	8922215	2023/09/16	2023/09/18	Surinder Rai
Dissolved Mercury in Water by CVAA	CV/AA	8931570	2023/09/21	2023/09/21	Japneet Gill
Total Ammonia-N	LACH/NH4	8926908	N/A	2023/09/20	Shivani Shivani
pH	AT	8922210	2023/09/16	2023/09/18	Surinder Rai

Bureau Veritas ID: WZQ508
Sample ID: MW-16-01b
Matrix: Water

Collected: 2023/09/11
Shipped:
Received: 2023/09/14

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
Alkalinity	AT	8922213	N/A	2023/09/18	Surinder Rai
Carbonate, Bicarbonate and Hydroxide	CALC	8921579	N/A	2023/09/19	Automated Statchk
Anions	IC	8922191	N/A	2023/09/19	Lusine Khachatryan
Chloride by Automated Colourimetry	KONE	8922196	N/A	2023/09/18	Alina Dobreanu
Conductivity	AT	8922214	N/A	2023/09/18	Surinder Rai
Dissolved Organic Carbon (DOC)	TOCV/NDIR	8921839	N/A	2023/09/19	Gyulshen Idriz
Fluoride	ISE	8922215	2023/09/16	2023/09/18	Surinder Rai
Dissolved Mercury in Water by CVAA	CV/AA	8931570	2023/09/21	2023/09/21	Japneet Gill
Mercury in Water by CVAA	CV/AA	8931529	2023/09/21	2023/09/21	Japneet Gill
Lab Filtered Metals Analysis by ICP	ICP	8926528	2023/09/19	2023/09/20	Suban Kanapathipplai
Low Level Chloride and Sulphate by AC	KONE	8949427	N/A	2023/09/25	Shanna McKort
Cyanide (Free)	SPEC	8940087	N/A	2023/09/22	Amy Phan
Cyanide, Strong Acid Dissociable (SAD)	TECH/UVVS	8936486	2023/09/21	2023/09/21	Ming Dong
Cyanide WAD (weak acid dissociable)	TECH	8949426	N/A	2023/09/21	Ming Dong
Hardness Total (calculated as CaCO3)	CALC	8943099	N/A	2023/09/25	Automated Statchk
Na, K, Ca, Mg, S by CRC ICPMS (diss.)	ICP	8946053	N/A	2023/09/26	Automated Statchk
Elements by ICPMS Low Level (dissolved)	ICP/MS	8951106	N/A	2023/09/25	Andrew An
Na, K, Ca, Mg, S by CRC ICPMS (total)	ICP	8946052	N/A	2023/09/25	Automated Statchk
Elements by ICPMS Low Level (total)	ICP/MS	8951105	N/A	2023/09/24	Megan Mak
Silica (Reactive)	KONE	8949425	N/A	2023/09/28	Marjolen Busslinger
Total Phosphorus Low Level Total	KONE	8948686	2023/09/24	2023/09/25	Mary Anne Dela Cruz
Total Ammonia (as NH3)	CALC	8921650	N/A	2023/09/20	Automated Statchk
Ammonium as NH4+	CALC/NH3	8921651	N/A	2023/09/20	Automated Statchk
Total Ammonia-N	LACH/NH4	8926908	N/A	2023/09/20	Shivani Shivani
Nitrate & Nitrite as Nitrogen in Water	LACH	8922189	N/A	2023/09/18	Chandra Nandlal
pH	AT	8922210	2023/09/16	2023/09/18	Surinder Rai
Field Measured pH	PH	ONSITE	N/A	2023/09/15	Alam Joseph
Orthophosphate	KONE	8922198	N/A	2023/09/18	Alina Dobreanu
Redox Potential	COND	8922161	2023/09/16	2023/09/19	Gurpartee K AUR
Sodium Adsorption Ratio (SAR)	CALC/MET	8921653	N/A	2023/09/21	Automated Statchk
Total Dissolved Solids (TDS calc)	CALC	8921659	N/A	2023/10/03	Automated Statchk
Total Dissolved Solids	BAL	8921712	2023/09/18	2023/09/19	Razieh Tabesh
Field Measured pH	PH	ONSITE	N/A	2023/09/15	Alam Joseph
Total Kjeldahl Nitrogen in Water	SKAL	8924415	2023/09/18	2023/09/19	Kruti Jitesh Patel
Total Organic Carbon (TOC)	TOCV/NDIR	8923438	N/A	2023/09/20	Gyulshen Idriz
Low Level Total Suspended Solids	BAL	8921804	2023/09/19	2023/09/20	Razieh Tabesh



**BUREAU
VERITAS**

Bureau Veritas Job #: C3S4258
Report Date: 2023/10/04

Agnico Eagle
Your P.O. #: 1248940
Sampler Initials: TD

TEST SUMMARY

Bureau Veritas ID: WZQ508
Sample ID: MW-16-01b
Matrix: Water

Collected: 2023/09/11
Shipped:
Received: 2023/09/14

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
Turbidity	AT	8922143	N/A	2023/09/16	Leily Karimi
Un-ionized Ammonia (as N)	CALC	8921581	2023/09/20	2023/09/20	Automated Statchk

Bureau Veritas ID: WZQ508 Dup
Sample ID: MW-16-01b
Matrix: Water

Collected: 2023/09/11
Shipped:
Received: 2023/09/14

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
Chloride by Automated Colourimetry	KONE	8922196	N/A	2023/09/18	Alina Dobreanu
Low Level Chloride and Sulphate by AC	KONE	8949427	N/A	2023/09/25	Shanna McKort
Orthophosphate	KONE	8922198	N/A	2023/09/18	Alina Dobreanu



GENERAL COMMENTS

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

Package 1	13.7°C
-----------	--------

Sample received past holding time for Turbidity analysis

Sample WZQ507 [MW-16-01a] : TSS Analysis: Analysis was performed past sample holding time. This may increase the variability associated with these results.

Sample WZQ508 [MW-16-01b] : TSS Analysis: Analysis was performed past sample holding time. This may increase the variability associated with these results.

Results relate only to the items tested.



BUREAU
VERITAS

Bureau Veritas Job #: C3S4258

Report Date: 2023/10/04

QUALITY ASSURANCE REPORT

Agnico Eagle

Your P.O. #: 1248940

Sampler Initials: TD

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
8921712	Total Dissolved Solids	2023/09/19			95	90 - 110	<10	mg/L	1.1	20		
8921804	Total Suspended Solids	2023/09/20			101	85 - 115	<1	mg/L	NC	20		
8921839	Dissolved Organic Carbon	2023/09/18	96	80 - 120	97	80 - 120	<0.40	mg/L	0.82	20		
8922143	Turbidity	2023/09/16			99	80 - 120	<0.1	NTU	6.0	20		
8922161	Redox Potential	2023/09/19			101	95 - 105			2.3	20		
8922189	Nitrate (N)	2023/09/18	101	80 - 120	99	80 - 120	<0.10	mg/L	0.59	20		
8922189	Nitrite (N)	2023/09/18	104	80 - 120	103	80 - 120	<0.010	mg/L	NC	20		
8922190	Total Dissolved Solids	2023/09/19			97	90 - 110	<10	mg/L	2.0	20		
8922191	Bromide (Br-)	2023/09/19	101	80 - 120	101	80 - 120	<1.0	mg/L	NC	20		
8922196	Dissolved Chloride (Cl-)	2023/09/18	NC	80 - 120	93	80 - 120	<1.0	mg/L	1.3	20		
8922198	Orthophosphate (P)	2023/09/18	99	75 - 125	96	80 - 120	<0.010	mg/L	NC	20		
8922210	pH	2023/09/18			102	98 - 103			0.26	N/A		
8922213	Alkalinity (Total as CaCO3)	2023/09/18			96	85 - 115	<1.0	mg/L	0.59	20		
8922214	Conductivity	2023/09/18			101	85 - 115	<1.0	umho/cm	0	10		
8922215	Fluoride (F-)	2023/09/18	91	80 - 120	98	80 - 120	<0.10	mg/L	0	20		
8923438	Total Organic Carbon (TOC)	2023/09/20	98	80 - 120	100	80 - 120	<0.40	mg/L	3.0	20		
8924415	Total Kjeldahl Nitrogen (TKN)	2023/09/19	NC	80 - 120	104	80 - 120	<0.10	mg/L	3.6	20	102	80 - 120
8926528	Dissolved Calcium (Ca)	2023/09/20	NC	80 - 120	99	80 - 120	<0.05	mg/L	7.1	25		
8926528	Dissolved Magnesium (Mg)	2023/09/20	NC	80 - 120	98	80 - 120	<0.05	mg/L	3.9	25		
8926528	Dissolved Potassium (K)	2023/09/20	NC	80 - 120	99	80 - 120	<1	mg/L	6.0	25		
8926528	Dissolved Sodium (Na)	2023/09/20	NC	80 - 120	101	80 - 120	<0.5	mg/L	6.3	25		
8926908	Total Ammonia-N	2023/09/20	86	75 - 125	104	80 - 120	<0.050	mg/L	0.77	20		
8931529	Mercury (Hg)	2023/09/21	97	75 - 125	101	80 - 120	<0.00010	mg/L	NC (1)	20		
8931570	Dissolved Mercury (Hg)	2023/09/21	105	75 - 125	104	80 - 120	<0.00010	mg/L	NC	20		
8936486	Strong Acid Dissoc. Cyanide (CN)	2023/09/21	86	80 - 120	95	80 - 120	<0.00050	mg/L				
8938434	Total Phosphorus (P)	2023/09/24	100	80 - 120	91	80 - 120	<0.0010	mg/L			83	80 - 120
8940086	Dissolved Sulphate (SO4)	2023/09/25	100	80 - 120	105	80 - 120	<0.50	mg/L				
8940087	Free Cyanide (CN)	2023/09/22	84	80 - 120	91	80 - 120	<2.0	ug/L				
8948686	Total Phosphorus (P)	2023/09/25	109	80 - 120	99	80 - 120	<0.0010	mg/L			91	80 - 120
8949425	Reactive Silica (SiO2)	2023/09/28	99	80 - 120	101	80 - 120	<0.050	mg/L				
8949426	Weak Acid Dissoc. Cyanide (CN)	2023/09/21	91	80 - 120	97	80 - 120	<0.00050	mg/L				



BUREAU
VERITAS

Bureau Veritas Job #: C3S4258

Report Date: 2023/10/04

QUALITY ASSURANCE REPORT(CONT'D)

Agnico Eagle

Your P.O. #: 1248940

Sampler Initials: TD

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
8949427	Dissolved Sulphate (SO4)	2023/09/25	NC	80 - 120	99	80 - 120	<0.50	mg/L	1.3	20		
8951105	Total Aluminum (Al)	2023/09/24	96	80 - 120	95	80 - 120	<0.50	ug/L				
8951105	Total Antimony (Sb)	2023/09/24	101	80 - 120	101	80 - 120	<0.020	ug/L				
8951105	Total Arsenic (As)	2023/09/24	96	80 - 120	94	80 - 120	<0.020	ug/L				
8951105	Total Barium (Ba)	2023/09/24	95	80 - 120	97	80 - 120	<0.020	ug/L				
8951105	Total Beryllium (Be)	2023/09/24	97	80 - 120	97	80 - 120	<0.010	ug/L				
8951105	Total Bismuth (Bi)	2023/09/24	93	80 - 120	92	80 - 120	<0.0050	ug/L				
8951105	Total Boron (B)	2023/09/24	114	80 - 120	100	80 - 120	<10	ug/L				
8951105	Total Cadmium (Cd)	2023/09/24	99	80 - 120	97	80 - 120	<0.0050	ug/L				
8951105	Total Chromium (Cr)	2023/09/24	97	80 - 120	96	80 - 120	<0.10	ug/L				
8951105	Total Copper (Cu)	2023/09/24	93	80 - 120	93	80 - 120	<0.050	ug/L				
8951105	Total Iron (Fe)	2023/09/24	103	80 - 120	99	80 - 120	<1.0	ug/L				
8951105	Total Lead (Pb)	2023/09/24	97	80 - 120	95	80 - 120	<0.0050	ug/L				
8951105	Total Lithium (Li)	2023/09/24	97	80 - 120	97	80 - 120	<0.50	ug/L				
8951105	Total Manganese (Mn)	2023/09/24	93	80 - 120	96	80 - 120	<0.050	ug/L				
8951105	Total Molybdenum (Mo)	2023/09/24	100	80 - 120	97	80 - 120	<0.050	ug/L				
8951105	Total Nickel (Ni)	2023/09/24	95	80 - 120	95	80 - 120	<0.020	ug/L				
8951105	Total Selenium (Se)	2023/09/24	100	80 - 120	97	80 - 120	<0.040	ug/L				
8951105	Total Silver (Ag)	2023/09/24	95	80 - 120	94	80 - 120	<0.0050	ug/L				
8951105	Total Strontium (Sr)	2023/09/24	NC	80 - 120	94	80 - 120	<0.050	ug/L				
8951105	Total Thallium (Tl)	2023/09/24	96	80 - 120	94	80 - 120	<0.0020	ug/L				
8951105	Total Tin (Sn)	2023/09/24	101	80 - 120	99	80 - 120	<0.20	ug/L				
8951105	Total Titanium (Ti)	2023/09/24	102	80 - 120	94	80 - 120	<0.50	ug/L				
8951105	Total Uranium (U)	2023/09/24	97	80 - 120	94	80 - 120	<0.0020	ug/L				
8951105	Total Vanadium (V)	2023/09/24	101	80 - 120	97	80 - 120	<0.20	ug/L				
8951105	Total Zinc (Zn)	2023/09/24	NC	80 - 120	98	80 - 120	<0.10	ug/L				
8951106	Dissolved Aluminum (Al)	2023/09/25	99	80 - 120	95	80 - 120	<0.50	ug/L				
8951106	Dissolved Antimony (Sb)	2023/09/25	108	80 - 120	104	80 - 120	<0.020	ug/L				
8951106	Dissolved Arsenic (As)	2023/09/25	111	80 - 120	104	80 - 120	<0.020	ug/L				
8951106	Dissolved Barium (Ba)	2023/09/25	102	80 - 120	102	80 - 120	<0.020	ug/L				
8951106	Dissolved Beryllium (Be)	2023/09/25	117	80 - 120	108	80 - 120	<0.010	ug/L				
8951106	Dissolved Bismuth (Bi)	2023/09/25	94	80 - 120	94	80 - 120	<0.0050	ug/L				



BUREAU
VERITAS

Bureau Veritas Job #: C3S4258

Report Date: 2023/10/04

QUALITY ASSURANCE REPORT(CONT'D)

Agnico Eagle

Your P.O. #: 1248940

Sampler Initials: TD

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
8951106	Dissolved Boron (B)	2023/09/25	114	80 - 120	105	80 - 120	<10	ug/L				
8951106	Dissolved Cadmium (Cd)	2023/09/25	106	80 - 120	102	80 - 120	<0.0050	ug/L				
8951106	Dissolved Chromium (Cr)	2023/09/25	105	80 - 120	100	80 - 120	<0.10	ug/L				
8951106	Dissolved Copper (Cu)	2023/09/25	100	80 - 120	100	80 - 120	<0.050	ug/L				
8951106	Dissolved Iron (Fe)	2023/09/25	103	80 - 120	100	80 - 120	<1.0	ug/L				
8951106	Dissolved Lead (Pb)	2023/09/25	100	80 - 120	100	80 - 120	<0.0050	ug/L				
8951106	Dissolved Lithium (Li)	2023/09/25	109	80 - 120	102	80 - 120	<0.50	ug/L				
8951106	Dissolved Manganese (Mn)	2023/09/25	NC	80 - 120	100	80 - 120	<0.050	ug/L				
8951106	Dissolved Molybdenum (Mo)	2023/09/25	NC	80 - 120	105	80 - 120	<0.050	ug/L				
8951106	Dissolved Nickel (Ni)	2023/09/25	97	80 - 120	98	80 - 120	<0.020	ug/L				
8951106	Dissolved Selenium (Se)	2023/09/25	109	80 - 120	100	80 - 120	<0.040	ug/L				
8951106	Dissolved Silver (Ag)	2023/09/25	106	80 - 120	102	80 - 120	<0.0050	ug/L				
8951106	Dissolved Strontium (Sr)	2023/09/25	NC	80 - 120	102	80 - 120	<0.050	ug/L				
8951106	Dissolved Thallium (Tl)	2023/09/25	103	80 - 120	101	80 - 120	<0.0020	ug/L				
8951106	Dissolved Tin (Sn)	2023/09/25	106	80 - 120	105	80 - 120	<0.20	ug/L				
8951106	Dissolved Titanium (Ti)	2023/09/25	108	80 - 120	104	80 - 120	<0.50	ug/L				
8951106	Dissolved Uranium (U)	2023/09/25	105	80 - 120	101	80 - 120	0.0038, RDL=0.0020 (2)	ug/L				
8951106	Dissolved Vanadium (V)	2023/09/25	106	80 - 120	99	80 - 120	<0.20	ug/L				



BUREAU
VERITAS

Bureau Veritas Job #: C3S4258

Report Date: 2023/10/04

QUALITY ASSURANCE REPORT(CONT'D)

Agnico Eagle

Your P.O. #: 1248940

Sampler Initials: TD

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
8951106	Dissolved Zinc (Zn)	2023/09/25	102	80 - 120	104	80 - 120	<0.10	ug/L				

N/A = Not Applicable

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

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

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

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

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

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

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

(1) Metals Analysis: Due to the sample matrix, sample required dilution. Detection limit was adjusted accordingly.

(2) Method blank exceeds acceptance limits- 2X RDL acceptable for low level metals determination.



VALIDATION SIGNATURE PAGE

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

Anastassia Hamanov, Scientific Specialist

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.

APPENDIX C-IV ANALYTICAL REPORT NO. C3S4520

Monitoring Location	WSP Sample ID	Lab Sample ID
MW-IPD-09	MW-IPD-09A	WZR815
	MW-IPD-09B	WZR816
MW-IPD-01(D)	MW-IPD-01(D)A	WZR817
	MW-IPD-01(D)B	WZR818
MW-IPD-01(S)	MW-IPD-01(S)A	WZR819
	MW-IPD-01(S)B	WZR820
Field Blank	MW-IPD-01-FB	WZR821
Trip Blank	MW-IPD-01-TB	WZR822



Your P.O. #: 1248940
Your C.O.C. #: 764388

Attention: Reporting

Agnico Eagle
Meadowbank
Meadowbank
Keewatin, NU
CANADA POX 0A1

Report Date: 2023/10/11
Report #: R7856140
Version: 1 - Final

CERTIFICATE OF ANALYSIS

BUREAU VERITAS JOB #: C3S4520

Received: 2023/09/14, 11:53

Sample Matrix: Water
Samples Received: 8

Analyses	Quantity	Date Extracted	Date Analyzed	Laboratory Method	Analytical Method
Alkalinity	8	N/A	2023/09/18	CAM SOP-00448	SM 23 2320 B m
Carbonate, Bicarbonate and Hydroxide	8	N/A	2023/09/19	CAM SOP-00102	APHA 4500-CO2 D
Anions	8	N/A	2023/09/18	CAM SOP-00435	SM 23 4110 B m
Chloride by Automated Colourimetry	8	N/A	2023/09/18	CAM SOP-00463	SM 23 4500-Cl E m
Conductivity	8	N/A	2023/09/18	CAM SOP-00414	SM 23 2510 m
Dissolved Organic Carbon (DOC) (3)	8	N/A	2023/09/19	CAM SOP-00446	SM 23 5310 B m
Fluoride	8	2023/09/16	2023/09/18	CAM SOP-00449	SM 23 4500-F C m
Dissolved Mercury (low level)	8	2023/09/18	2023/09/19	CAM SOP-00453	EPA 7470 m
Mercury (low level)	8	2023/09/18	2023/09/19	CAM SOP-00453	EPA 7470 m
Lab Filtered Metals Analysis by ICP	8	2023/09/19	2023/09/20	CAM SOP-00408	EPA 6010D m
Low Level Chloride and Sulphate by AC (1)	8	N/A	2023/09/25	AB SOP-00020	SM24-4500-Cl/SO4-E m
Cyanide (Free) (1)	8	N/A	2023/09/22	CAL SOP-00266	EPA 9016d R0 m
Cyanide, Strong Acid Dissociable (SAD) (1)	1	2023/10/04	2023/10/04	CAL SOP-00270	SM 23 4500-CN m
Cyanide, Strong Acid Dissociable (SAD) (1)	7	2023/09/20	2023/09/20	CAL SOP-00270	SM 23 4500-CN m
Cyanide WAD (weak acid dissociable) (1)	1	N/A	2023/10/04	CAL SOP-00270	SM 23 4500-CN m
Cyanide WAD (weak acid dissociable) (1)	7	N/A	2023/09/20	CAL SOP-00270	SM 23 4500-CN m
Hardness Total (calculated as CaCO3) (2, 4)	1	N/A	2023/10/03	BBY WI-00033	Auto Calc
Hardness Total (calculated as CaCO3) (2, 4)	7	N/A	2023/10/04	BBY WI-00033	Auto Calc
Na, K, Ca, Mg, S by CRC ICPMS (diss.) (2)	8	N/A	2023/09/27	BBY WI-00033	Auto Calc
Elements by ICPMS Low Level (dissolved) (2, 5)	5	N/A	2023/10/05	BBY7SOP-00002	EPA 6020b R2 m
Elements by ICPMS Low Level (dissolved) (2, 5)	8	N/A	2023/09/27	BBY7SOP-00002	EPA 6020b R2 m
Na, K, Ca, Mg, S by CRC ICPMS (total) (2)	1	N/A	2023/10/03	BBY WI-00033	Auto Calc
Na, K, Ca, Mg, S by CRC ICPMS (total) (2)	7	N/A	2023/10/04	BBY WI-00033	Auto Calc
Elements by ICPMS Low Level (total) (2)	8	N/A	2023/10/03	BBY7SOP-00002	EPA 6020b R2 m
Silica (Reactive) (1)	8	N/A	2023/09/28	AB SOP-00011	EPA 370.1 R1978 m
Total Phosphorus Low Level Total (1)	2	2023/09/24	2023/09/25	AB SOP-00024	SM 24 4500-P A,B,F m
Total Phosphorus Low Level Total (1)	2	2023/09/26	2023/09/26	AB SOP-00024	SM 24 4500-P A,B,F m
Total Phosphorus Low Level Total (1)	4	2023/09/27	2023/09/28	AB SOP-00024	SM 24 4500-P A,B,F m
Total Ammonia (as NH3)	7	N/A	2023/09/20	Auto Calc.	
Total Ammonia (as NH3)	1	N/A	2023/09/22	Auto Calc.	



Your P.O. #: 1248940
Your C.O.C. #: 764388

Attention: Reporting

Agnico Eagle
Meadowbank
Meadowbank
Keewatin, NU
CANADA POX 0A1

Report Date: 2023/10/11
Report #: R7856140
Version: 1 - Final

CERTIFICATE OF ANALYSIS

BUREAU VERITAS JOB #: C3S4520

Received: 2023/09/14, 11:53

Sample Matrix: Water
Samples Received: 8

Analyses	Quantity	Date Extracted	Date Analyzed	Laboratory Method	Analytical Method
Ammonium as NH4+	6	N/A	2023/09/20		
Total Ammonia-N	7	N/A	2023/09/20	CAM SOP-00441	USGS I-2522-90 m
Total Ammonia-N	1	N/A	2023/09/21	CAM SOP-00441	USGS I-2522-90 m
Nitrate & Nitrite as Nitrogen in Water (6)	8	N/A	2023/09/18	CAM SOP-00440	SM 23 4500-NO3I/NO2B
pH	8	2023/09/16	2023/09/18	CAM SOP-00413	SM 4500H+ B m
Field Measured pH (7)	6	N/A	2023/09/15		Field pH Meter
Orthophosphate	8	N/A	2023/09/18	CAM SOP-00461	SM 23 4500-P E m
Redox Potential (8)	8	2023/09/16	2023/09/19	CAM SOP-00421	SM 2580 B
Sodium Adsorption Ratio (SAR)	8	N/A	2023/09/21	CAM SOP-00102	EPA 6010C
Total Dissolved Solids (TDS calc)	8	N/A	2023/10/11		Auto Calc
Total Dissolved Solids	8	2023/09/18	2023/09/19	CAM SOP-00428	SM 23 2540C m
Field Temperature (7)	6	N/A	2023/09/15		Field Thermometer
Total Kjeldahl Nitrogen in Water	8	2023/09/18	2023/09/20	CAM SOP-00938	OMOE E3516 m
Total Organic Carbon (TOC) (9)	8	N/A	2023/09/21	CAM SOP-00446	SM 23 5310B m
Low Level Total Suspended Solids	7	2023/09/18	2023/09/18	CAM SOP-00428	SM 23 2540D m
Low Level Total Suspended Solids	1	2023/09/19	2023/09/20	CAM SOP-00428	SM 23 2540D m
Turbidity	8	N/A	2023/09/16	CAM SOP-00417	SM 23 2130 B m
Un-ionized Ammonia (as N) (10)	6	2023/09/16	2023/09/20	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, MELCCFP, 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.



Your P.O. #: 1248940
Your C.O.C. #: 764388

Attention: Reporting

Agnico Eagle
Meadowbank
Meadowbank
Keewatin, NU
CANADA POX 0A1

Report Date: 2023/10/11
Report #: R7856140
Version: 1 - Final

CERTIFICATE OF ANALYSIS

BUREAU VERITAS JOB #: C3S4520

Received: 2023/09/14, 11:53

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 Calgary (19th), 4000 19th Street NE , Calgary, AB, T2E 6P8
- (2) This test was performed by Bureau Veritas Burnaby, 4606 Canada Way , Burnaby, BC, V5G 1K5
- (3) Dissolved Organic Carbon (DOC) present in the sample should be considered as non-purgeable DOC.
- (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) Dissolved > Total Imbalance: When applicable, Dissolved and Total results were reviewed and data quality meets acceptable levels unless otherwise noted.
- (6) Values for calculated parameters may not appear to add up due to rounding of raw data and significant figures.
- (7) This is a field test, therefore, the results relate to items that were not analysed at Bureau Veritas.
- (8) Oxidation-Reduction Potential (ORP) values are determined using a Ag/AgCl reference electrode. The test is therefore, not SCC accredited for this matrix.
- (9) Total Organic Carbon (TOC) present in the sample should be considered as non-purgeable TOC.
- (10) 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

=====

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

Bureau Veritas Job #: C3S4520
Report Date: 2023/10/11

Agnico Eagle
Your P.O. #: 1248940
Sampler Initials: TD

RESULTS OF ANALYSES OF WATER

Bureau Veritas ID		WZR815			WZR815			WZR816		
Sampling Date		2023/09/10 09:00			2023/09/10 09:00			2023/09/10 09:15		
COC Number		764388			764388			764388		
	UNITS	MW-IPD-09a	RDL	QC Batch	MW-IPD-09a Lab-Dup	RDL	QC Batch	MW-IPD-09b	RDL	QC Batch

Calculated Parameters										
Total Ammonia (as NH3)	mg/L	<0.061	0.061	8921650				0.074	0.061	8921650
Ammonium (NH4)	mg/L	<0.0052	0.0052	8921651				0.072	0.0052	8921651
Bicarb. Alkalinity (calc. as CaCO3)	mg/L	71	1.0	8921579				71	1.0	8921579
Calculated TDS	mg/L	150	1.0	8921659				150	1.0	8921659
Carb. Alkalinity (calc. as CaCO3)	mg/L	<1.0	1.0	8921579				<1.0	1.0	8921579
Sodium Adsorption Ratio	N/A	1.1		8921653				1.1		8921653

CONVENTIONALS										
Redox Potential	mV	370	N/A	8922291				360	N/A	8922291

Field Measurements										
Field Temperature	Celsius	19.7	N/A	ONSITE				19.7	N/A	ONSITE
Field Measured pH	pH	8.38		ONSITE				8.38		ONSITE

Inorganics										
Total Ammonia-N	mg/L	<0.050	0.050	8924671				0.061	0.050	8924671
Conductivity	umho/cm	240	1.0	8922227				240	1.0	8922227
Free Cyanide (CN)	ug/L	5.3 (1)	2.0	8940087				7.4 (1)	2.0	8940087
Strong Acid Dissoc. Cyanide (CN)	mg/L	<0.00050 (2)	0.00050	8940088				<0.00050 (2)	0.00050	8940088
Weak Acid Dissoc. Cyanide (CN)	mg/L	<0.00050 (3)	0.00050	8940089				<0.00050 (3)	0.00050	8940089
Total Dissolved Solids	mg/L	100	10	8921712				115	10	8921712
Fluoride (F-)	mg/L	1.0	0.10	8922226				1.0	0.10	8922226
Total Kjeldahl Nitrogen (TKN)	mg/L	<0.10	0.10	8923328	<0.10	0.10	8923328	0.12	0.10	8923328
Dissolved Organic Carbon	mg/L	0.92	0.40	8922124				0.88	0.40	8922124
Total Organic Carbon (TOC)	mg/L	1.0	0.40	8923341				1.1	0.40	8923341
Orthophosphate (P)	mg/L	0.019	0.010	8922241				0.021	0.010	8922241
pH	pH	8.03		8922228				8.01		8922228
Total Phosphorus (P)	mg/L	0.027	0.0010	8943328				0.021	0.0010	8964926
Reactive Silica (SiO2)	mg/L	10	0.25	8964925				10	0.25	8964925

RDL = Reportable Detection Limit
 QC Batch = Quality Control Batch
 Lab-Dup = Laboratory Initiated Duplicate
 N/A = Not Applicable
 (1) 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.
 (2) SAD Cyanide < Free Cyanide: Both values fall within the method uncertainty for duplicates and are likely equivalent.
 (3) WAD Cyanide < Free Cyanide: Both values fall within the method uncertainty for duplicates and are likely equivalent.



BUREAU
VERITAS

Bureau Veritas Job #: C3S4520
Report Date: 2023/10/11

Agnico Eagle
Your P.O. #: 1248940
Sampler Initials: TD

RESULTS OF ANALYSES OF WATER

Bureau Veritas ID		WZR815			WZR815			WZR816		
Sampling Date		2023/09/10 09:00			2023/09/10 09:00			2023/09/10 09:15		
COC Number		764388			764388			764388		
	UNITS	MW-IPD-09a	RDL	QC Batch	MW-IPD-09a Lab-Dup	RDL	QC Batch	MW-IPD-09b	RDL	QC Batch
Total Suspended Solids	mg/L	<1	1	8921703				2	1	8921703
Turbidity	NTU	0.3	0.1	8922236				0.3	0.1	8922236
Alkalinity (Total as CaCO3)	mg/L	72	1.0	8922224				72	1.0	8922224
Dissolved Chloride (Cl-)	mg/L	1.4	1.0	8922239				1.0	1.0	8922239
Nitrite (N)	mg/L	<0.010	0.010	8922234				<0.010	0.010	8922234
Nitrate (N)	mg/L	<0.10	0.10	8922234				<0.10	0.10	8922234
Dissolved Sulphate (SO4)	mg/L	42	0.50	8940086				45	0.50	8940086
Nitrate + Nitrite (N)	mg/L	<0.10	0.10	8922234				<0.10	0.10	8922234
Dissolved Bromide (Br-)	mg/L	<1.0	1.0	8922232				<1.0	1.0	8922232
Un-ionized Ammonia (as N)	mg/L	<0.0043	0.0043	8921581				0.0052	0.0043	8921581
Metals										
Dissolved Aluminum (Al)	ug/L	73.6	0.50	8966409				2.97	0.50	8966409
Total Aluminum (Al)	ug/L	26.0	0.50	8958659				28.8	0.50	8958659
Dissolved Antimony (Sb)	ug/L	<0.020	0.020	8966409				<0.020	0.020	8966409
Total Antimony (Sb)	ug/L	<0.020	0.020	8958659				0.026	0.020	8958659
Dissolved Arsenic (As)	ug/L	20.7	0.020	8966409				20.1	0.020	8966409
Total Arsenic (As)	ug/L	22.0	0.020	8958659				22.0	0.020	8958659
Dissolved Barium (Ba)	ug/L	2.36	0.020	8966409				2.04	0.020	8966409
Total Barium (Ba)	ug/L	2.53	0.020	8958659				2.73	0.020	8958659
Dissolved Beryllium (Be)	ug/L	<0.010	0.010	8966409				<0.010	0.010	8966409
Total Beryllium (Be)	ug/L	<0.010	0.010	8958659				<0.010	0.010	8958659
Dissolved Bismuth (Bi)	ug/L	<0.0050	0.0050	8966409				<0.0050	0.0050	8966409
Total Bismuth (Bi)	ug/L	<0.0050	0.0050	8958659				<0.0050	0.0050	8958659
Dissolved Boron (B)	ug/L	97	10	8966409				94	10	8966409
Total Boron (B)	ug/L	91	10	8958659				94	10	8958659
Dissolved Cadmium (Cd)	ug/L	0.0062	0.0050	8966409				<0.0050	0.0050	8966409
Total Cadmium (Cd)	ug/L	<0.0050	0.0050	8958659				<0.0050	0.0050	8958659
Dissolved Chromium (Cr)	ug/L	0.20	0.10	8966409				0.14	0.10	8966409
Total Chromium (Cr)	ug/L	0.94	0.10	8958659				0.86	0.10	8958659
Dissolved Copper (Cu)	ug/L	0.893	0.050	8966410				0.061	0.050	8966409
Total Copper (Cu)	ug/L	0.134	0.050	8958659				0.128	0.050	8958659
Dissolved Iron (Fe)	ug/L	156	1.0	8966409				140	1.0	8966409
RDL = Reportable Detection Limit QC Batch = Quality Control Batch Lab-Dup = Laboratory Initiated Duplicate										



BUREAU
VERITAS

Bureau Veritas Job #: C3S4520
Report Date: 2023/10/11

Agnico Eagle
Your P.O. #: 1248940
Sampler Initials: TD

RESULTS OF ANALYSES OF WATER

Bureau Veritas ID		WZR815			WZR815			WZR816		
Sampling Date		2023/09/10 09:00			2023/09/10 09:00			2023/09/10 09:15		
COC Number		764388			764388			764388		
	UNITS	MW-IPD-09a	RDL	QC Batch	MW-IPD-09a Lab-Dup	RDL	QC Batch	MW-IPD-09b	RDL	QC Batch
Total Iron (Fe)	ug/L	264	1.0	8958659				250	1.0	8958659
Dissolved Lead (Pb)	ug/L	0.427	0.0050	8966410				0.0092	0.0050	8966409
Total Lead (Pb)	ug/L	0.0830	0.0050	8958659				0.0780	0.0050	8958659
Dissolved Lithium (Li)	ug/L	2.28	0.50	8966409				2.15	0.50	8966409
Total Lithium (Li)	ug/L	2.16	0.50	8958659				2.21	0.50	8958659
Dissolved Manganese (Mn)	ug/L	32.9	0.050	8966409				31.7	0.050	8966409
Total Manganese (Mn)	ug/L	34.7	0.050	8958659				34.3	0.050	8958659
Dissolved Molybdenum (Mo)	ug/L	11.3	0.050	8966409				11.2	0.050	8966409
Total Molybdenum (Mo)	ug/L	11.1	0.050	8958659				11.0	0.050	8958659
Dissolved Nickel (Ni)	ug/L	0.266	0.020	8966409				0.099	0.020	8966409
Total Nickel (Ni)	ug/L	0.424	0.020	8958659				0.447	0.020	8958659
Dissolved Selenium (Se)	ug/L	<0.040	0.040	8966409				<0.040	0.040	8966409
Total Selenium (Se)	ug/L	<0.040	0.040	8958659				<0.040	0.040	8958659
Dissolved Silver (Ag)	ug/L	<0.0050	0.0050	8966409				<0.0050	0.0050	8966409
Total Silver (Ag)	ug/L	0.0060	0.0050	8958659				0.0060	0.0050	8958659
Dissolved Strontium (Sr)	ug/L	142	0.050	8966409				142	0.050	8966409
Total Strontium (Sr)	ug/L	140	0.050	8958659				139	0.050	8958659
Dissolved Thallium (Tl)	ug/L	<0.0020	0.0020	8966409				<0.0020	0.0020	8966409
Total Thallium (Tl)	ug/L	<0.0020	0.0020	8958659				<0.0020	0.0020	8958659
Dissolved Tin (Sn)	ug/L	<0.20	0.20	8966409				<0.20	0.20	8966409
Total Tin (Sn)	ug/L	<0.20	0.20	8958659				<0.20	0.20	8958659
Dissolved Titanium (Ti)	ug/L	<0.50	0.50	8966409				<0.50	0.50	8966409
Total Titanium (Ti)	ug/L	<0.50	0.50	8958659				<0.50	0.50	8958659
Dissolved Uranium (U)	ug/L	0.123	0.0020	8966409				0.115	0.0020	8966409
Total Uranium (U)	ug/L	0.109	0.0020	8958659				0.106	0.0020	8958659
Dissolved Vanadium (V)	ug/L	<0.20	0.20	8966409				<0.20	0.20	8966409
Total Vanadium (V)	ug/L	<0.20	0.20	8958659				<0.20	0.20	8958659
Dissolved Zinc (Zn)	ug/L	15.4	0.10	8966410				0.32	0.10	8966409
Total Zinc (Zn)	ug/L	2.65	0.10	8958659				1.15	0.10	8958659
Dissolved Calcium (Ca)	mg/L	16.5	0.050	8946053				16.4	0.050	8946053
Total Calcium (Ca)	mg/L	16.1	0.050	8946052				16.4	0.050	8946052
Dissolved Magnesium (Mg)	mg/L	7.44	0.050	8946053				7.30	0.050	8946053

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



BUREAU
VERITAS

Bureau Veritas Job #: C3S4520
Report Date: 2023/10/11

Agnico Eagle
Your P.O. #: 1248940
Sampler Initials: TD

RESULTS OF ANALYSES OF WATER

Bureau Veritas ID		WZR815			WZR815			WZR816		
Sampling Date		2023/09/10 09:00			2023/09/10 09:00			2023/09/10 09:15		
COC Number		764388			764388			764388		
	UNITS	MW-IPD-09a	RDL	QC Batch	MW-IPD-09a Lab-Dup	RDL	QC Batch	MW-IPD-09b	RDL	QC Batch
Total Magnesium (Mg)	mg/L	7.47	0.050	8946052				7.56	0.050	8946052
Dissolved Potassium (K)	mg/L	0.949	0.050	8946053				0.920	0.050	8946053
Total Potassium (K)	mg/L	0.896	0.050	8946052				0.904	0.050	8946052
Dissolved Sodium (Na)	mg/L	19.3	0.050	8946053				19.0	0.050	8946053
Total Sodium (Na)	mg/L	18.8	0.050	8946052				18.9	0.050	8946052

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



BUREAU
VERITAS

Bureau Veritas Job #: C3S4520
Report Date: 2023/10/11

Agnico Eagle
Your P.O. #: 1248940
Sampler Initials: TD

RESULTS OF ANALYSES OF WATER

Bureau Veritas ID		WZR816			WZR817		WZR818		
Sampling Date		2023/09/10 09:15			2023/09/10 09:30		2023/09/10 09:45		
COC Number		764388			764388		764388		
	UNITS	MW-IPD-09b Lab-Dup	RDL	QC Batch	MW-IPD-01(d)a	QC Batch	MW-IPD-01(d)b	RDL	QC Batch

Calculated Parameters									
Total Ammonia (as NH3)	mg/L				<0.061	8921650	<0.061	0.061	8921650
Ammonium (NH4)	mg/L				<0.0038	8921651	<0.0038	0.0038	8921651
Bicarb. Alkalinity (calc. as CaCO3)	mg/L				98	8921579	99	1.0	8921579
Calculated TDS	mg/L				180	8921659	190	1.0	8921659
Carb. Alkalinity (calc. as CaCO3)	mg/L				1.5	8921579	1.4	1.0	8921579
Sodium Adsorption Ratio	N/A				1.0	8921653	1.0		8921653

CONVENTIONALS									
Redox Potential	mV				320	8922291	360	N/A	8922291

Field Measurements									
Field Temperature	Celsius				23.61	ONSITE	23.61	N/A	ONSITE
Field Measured pH	pH				8.11	ONSITE	8.11		ONSITE

Inorganics									
Total Ammonia-N	mg/L	<0.050	0.050	8924671	<0.050	8924671	<0.050	0.050	8924671
Conductivity	umho/cm				350	8922214	360	1.0	8922214
Free Cyanide (CN)	ug/L				5.5 (1)	8940087	4.8 (1)	2.0	8940087
Strong Acid Dissoc. Cyanide (CN)	mg/L				<0.00050 (2)	8964927	<0.00050 (2)	0.00050	8964927
Weak Acid Dissoc. Cyanide (CN)	mg/L				<0.00050 (3)	8964928	<0.00050 (3)	0.00050	8964928
Total Dissolved Solids	mg/L				155	8921712	155	10	8921712
Fluoride (F-)	mg/L				0.52	8922215	0.53	0.10	8922215
Total Kjeldahl Nitrogen (TKN)	mg/L				0.11	8923328	0.11	0.10	8923328
Dissolved Organic Carbon	mg/L				1.3	8921839	1.3	0.40	8922124
Total Organic Carbon (TOC)	mg/L	1.1	0.40	8923341	1.3	8923341	1.4	0.40	8923341
Orthophosphate (P)	mg/L				<0.010	8922241	<0.010	0.010	8922198
pH	pH				8.20	8922210	8.18		8922210
Total Phosphorus (P)	mg/L				0.0021	8943013	0.0019	0.0010	8964926
Reactive Silica (SiO2)	mg/L				7.2	8964925	7.2	0.050	8964925

RDL = Reportable Detection Limit
 QC Batch = Quality Control Batch
 Lab-Dup = Laboratory Initiated Duplicate
 N/A = Not Applicable

(1) 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.
 (2) SAD Cyanide < Free Cyanide: Both values fall within the method uncertainty for duplicates and are likely equivalent.
 (3) WAD Cyanide < Free Cyanide: Both values fall within the method uncertainty for duplicates and are likely equivalent.



BUREAU
VERITAS

Bureau Veritas Job #: C3S4520
Report Date: 2023/10/11

Agnico Eagle
Your P.O. #: 1248940
Sampler Initials: TD

RESULTS OF ANALYSES OF WATER

Bureau Veritas ID		WZR816			WZR817		WZR818		
Sampling Date		2023/09/10 09:15			2023/09/10 09:30		2023/09/10 09:45		
COC Number		764388			764388		764388		
	UNITS	MW-IPD-09b Lab-Dup	RDL	QC Batch	MW-IPD-01(d)a	QC Batch	MW-IPD-01(d)b	RDL	QC Batch
Total Suspended Solids	mg/L				<1	8921703	<1	1	8921703
Turbidity	NTU				0.3	8922236	0.2	0.1	8922236
Alkalinity (Total as CaCO3)	mg/L				100	8922213	100	1.0	8922213
Dissolved Chloride (Cl-)	mg/L				43	8922239	45	1.0	8922196
Nitrite (N)	mg/L				<0.010	8922234	<0.010	0.010	8922183
Nitrate (N)	mg/L				<0.10	8922234	<0.10	0.10	8922183
Dissolved Sulphate (SO4)	mg/L				4.5	8940086	4.3	0.50	8940086
Nitrate + Nitrite (N)	mg/L				<0.10	8922234	<0.10	0.10	8922183
Dissolved Bromide (Br-)	mg/L				<1.0	8922232	<1.0	1.0	8922232
Un-ionized Ammonia (as N)	mg/L				<0.0031	8921581	<0.0031	0.0031	8921581
Metals									
Dissolved Aluminum (Al)	ug/L				8.49	8966410	8.42	0.50	8966409
Total Aluminum (Al)	ug/L				5.00	8958659	9.61	0.50	8958659
Dissolved Antimony (Sb)	ug/L				<0.020	8966409	<0.020	0.020	8966409
Total Antimony (Sb)	ug/L				<0.020	8958659	<0.020	0.020	8958659
Dissolved Arsenic (As)	ug/L				32.4	8966409	32.5	0.020	8966409
Total Arsenic (As)	ug/L				33.4	8958659	33.0	0.020	8958659
Dissolved Barium (Ba)	ug/L				21.5	8966409	22.0	0.020	8966409
Total Barium (Ba)	ug/L				20.1	8958659	22.0	0.020	8958659
Dissolved Beryllium (Be)	ug/L				<0.010	8966409	<0.010	0.010	8966409
Total Beryllium (Be)	ug/L				<0.010	8958659	<0.010	0.010	8958659
Dissolved Bismuth (Bi)	ug/L				<0.0050	8966409	<0.0050	0.0050	8966409
Total Bismuth (Bi)	ug/L				<0.0050	8958659	<0.0050	0.0050	8958659
Dissolved Boron (B)	ug/L				171	8966409	173	10	8966409
Total Boron (B)	ug/L				172	8958659	170	10	8958659
Dissolved Cadmium (Cd)	ug/L				<0.0050	8966409	<0.0050	0.0050	8966409
Total Cadmium (Cd)	ug/L				<0.0050	8958659	<0.0050	0.0050	8958659
Dissolved Chromium (Cr)	ug/L				0.14	8966409	0.20	0.10	8966409
Total Chromium (Cr)	ug/L				0.11	8958659	0.16	0.10	8958659
Dissolved Copper (Cu)	ug/L				1.40	8966410	2.00	0.050	8966410
Total Copper (Cu)	ug/L				0.478	8958659	1.17	0.050	8958659
Dissolved Iron (Fe)	ug/L				81.8	8966409	76.8	1.0	8966409
RDL = Reportable Detection Limit QC Batch = Quality Control Batch Lab-Dup = Laboratory Initiated Duplicate									



BUREAU
VERITAS

Bureau Veritas Job #: C3S4520
Report Date: 2023/10/11

Agnico Eagle
Your P.O. #: 1248940
Sampler Initials: TD

RESULTS OF ANALYSES OF WATER

Bureau Veritas ID		WZR816			WZR817		WZR818		
Sampling Date		2023/09/10 09:15			2023/09/10 09:30		2023/09/10 09:45		
COC Number		764388			764388		764388		
	UNITS	MW-IPD-09b Lab-Dup	RDL	QC Batch	MW-IPD-01(d)a	QC Batch	MW-IPD-01(d)b	RDL	QC Batch
Total Iron (Fe)	ug/L				92.2	8958659	101	1.0	8958659
Dissolved Lead (Pb)	ug/L				0.135	8966410	0.0756	0.0050	8966409
Total Lead (Pb)	ug/L				0.0620	8958659	0.0950	0.0050	8958659
Dissolved Lithium (Li)	ug/L				5.00	8966409	5.12	0.50	8966409
Total Lithium (Li)	ug/L				5.06	8958659	4.85	0.50	8958659
Dissolved Manganese (Mn)	ug/L				35.5	8966409	35.5	0.050	8966409
Total Manganese (Mn)	ug/L				36.7	8958659	36.7	0.050	8958659
Dissolved Molybdenum (Mo)	ug/L				8.41	8966409	8.39	0.050	8966409
Total Molybdenum (Mo)	ug/L				8.18	8958659	8.28	0.050	8958659
Dissolved Nickel (Ni)	ug/L				0.324	8966409	0.242	0.020	8966409
Total Nickel (Ni)	ug/L				0.254	8958659	0.241	0.020	8958659
Dissolved Selenium (Se)	ug/L				<0.040	8966409	<0.040	0.040	8966409
Total Selenium (Se)	ug/L				<0.040	8958659	<0.040	0.040	8958659
Dissolved Silver (Ag)	ug/L				<0.0050	8966409	<0.0050	0.0050	8966409
Total Silver (Ag)	ug/L				<0.0050	8958659	<0.0050	0.0050	8958659
Dissolved Strontium (Sr)	ug/L				299	8966409	300	0.050	8966409
Total Strontium (Sr)	ug/L				305	8958659	305	0.050	8958659
Dissolved Thallium (Tl)	ug/L				<0.0020	8966409	<0.0020	0.0020	8966409
Total Thallium (Tl)	ug/L				<0.0020	8958659	<0.0020	0.0020	8958659
Dissolved Tin (Sn)	ug/L				0.45	8966409	0.20	0.20	8966409
Total Tin (Sn)	ug/L				<0.20	8958659	0.30	0.20	8958659
Dissolved Titanium (Ti)	ug/L				<0.50	8966409	<0.50	0.50	8966409
Total Titanium (Ti)	ug/L				<0.50	8958659	<0.50	0.50	8958659
Dissolved Uranium (U)	ug/L				0.491	8966409	0.489	0.0020	8966409
Total Uranium (U)	ug/L				0.449	8958659	0.446	0.0020	8958659
Dissolved Vanadium (V)	ug/L				<0.20	8966409	<0.20	0.20	8966409
Total Vanadium (V)	ug/L				<0.20	8958659	<0.20	0.20	8958659
Dissolved Zinc (Zn)	ug/L				4.26	8966410	3.75	0.10	8966409
Total Zinc (Zn)	ug/L				2.74	8958659	5.26	0.10	8958659
Dissolved Calcium (Ca)	mg/L				22.9	8946053	22.9	0.050	8946053
Total Calcium (Ca)	mg/L				22.2	8946052	22.5	0.050	8946052
Dissolved Magnesium (Mg)	mg/L				13.9	8946053	13.8	0.050	8946053
RDL = Reportable Detection Limit QC Batch = Quality Control Batch Lab-Dup = Laboratory Initiated Duplicate									



RESULTS OF ANALYSES OF WATER

Bureau Veritas ID		WZR816			WZR817		WZR818		
Sampling Date		2023/09/10 09:15			2023/09/10 09:30		2023/09/10 09:45		
COC Number		764388			764388		764388		
	UNITS	MW-IPD-09b Lab-Dup	RDL	QC Batch	MW-IPD-01(d)a	QC Batch	MW-IPD-01(d)b	RDL	QC Batch
Total Magnesium (Mg)	mg/L				13.6	8946052	13.5	0.050	8946052
Dissolved Potassium (K)	mg/L				1.20	8946053	1.21	0.050	8946053
Total Potassium (K)	mg/L				1.18	8946052	1.19	0.050	8946052
Dissolved Sodium (Na)	mg/L				22.9	8946053	23.0	0.050	8946053
Total Sodium (Na)	mg/L				22.3	8946052	21.8	0.050	8946052
RDL = Reportable Detection Limit QC Batch = Quality Control Batch Lab-Dup = Laboratory Initiated Duplicate									



RESULTS OF ANALYSES OF WATER

Bureau Veritas ID		WZR819			WZR819		
Sampling Date		2023/09/10 10:00			2023/09/10 10:00		
COC Number		764388			764388		
	UNITS	MW-IPD-01(s)a	RDL	QC Batch	MW-IPD-01(s)a Lab-Dup	RDL	QC Batch
Calculated Parameters							
Total Ammonia (as NH3)	mg/L	0.11	0.061	8921650			
Ammonium (NH4)	mg/L	0.10	0.0069	8921651			
Bicarb. Alkalinity (calc. as CaCO3)	mg/L	52	1.0	8921579			
Calculated TDS	mg/L	77	1.0	8921659			
Carb. Alkalinity (calc. as CaCO3)	mg/L	<1.0	1.0	8921579			
Sodium Adsorption Ratio	N/A	0.25 (1)		8921653			
CONVENTIONALS							
Redox Potential	mV	310	N/A	8922291			
Field Measurements							
Field Temperature	Celsius	22.88	N/A	ONSITE			
Field Measured pH	pH	8.42		ONSITE			
Inorganics							
Total Ammonia-N	mg/L	0.088	0.050	8924671			
Conductivity	umho/cm	140	1.0	8922227	140	1.0	8922227
Free Cyanide (CN)	ug/L	5.1 (2)	2.0	8940087			
Strong Acid Dissoc. Cyanide (CN)	mg/L	<0.00050 (3)	0.00050	8964927			
Weak Acid Dissoc. Cyanide (CN)	mg/L	<0.00050 (4)	0.00050	8964928			
Total Dissolved Solids	mg/L	50	10	8921712			
Fluoride (F-)	mg/L	0.35	0.10	8922226	0.34	0.10	8922226
Total Kjeldahl Nitrogen (TKN)	mg/L	0.12	0.10	8923328			
Dissolved Organic Carbon	mg/L	0.88	0.40	8922124			
Total Organic Carbon (TOC)	mg/L	1.0	0.40	8923341			
Orthophosphate (P)	mg/L	0.017	0.010	8922241			
<p>RDL = Reportable Detection Limit QC Batch = Quality Control Batch Lab-Dup = Laboratory Initiated Duplicate N/A = Not Applicable</p> <p>(1) Sodium was not detected. To report SAR the sodium detection limit was used in the calculation. This value represents a maximum ratio. (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. (3) SAD Cyanide < Free Cyanide: Both values fall within the method uncertainty for duplicates and are likely equivalent. (4) WAD Cyanide < Free Cyanide: Both values fall within the method uncertainty for duplicates and are likely equivalent.</p>							



BUREAU
VERITAS

Bureau Veritas Job #: C3S4520
Report Date: 2023/10/11

Agnico Eagle
Your P.O. #: 1248940
Sampler Initials: TD

RESULTS OF ANALYSES OF WATER

Bureau Veritas ID		WZR819			WZR819		
Sampling Date		2023/09/10 10:00			2023/09/10 10:00		
COC Number		764388			764388		
	UNITS	MW-IPD-01(s)a	RDL	QC Batch	MW-IPD-01(s)a Lab-Dup	RDL	QC Batch
pH	pH	8.00		8922228	7.97		8922228
Total Phosphorus (P)	mg/L	0.019	0.0010	8964926			
Reactive Silica (SiO2)	mg/L	5.9	0.050	8964925			
Total Suspended Solids	mg/L	<1	1	8921804	<1	1	8921804
Turbidity	NTU	0.2	0.1	8922236			
Alkalinity (Total as CaCO3)	mg/L	52	1.0	8922224	53	1.0	8922224
Dissolved Chloride (Cl-)	mg/L	1.1	1.0	8922239			
Nitrite (N)	mg/L	<0.010	0.010	8922234			
Nitrate (N)	mg/L	<0.10	0.10	8922234			
Dissolved Sulphate (SO4)	mg/L	12	0.50	8940086			
Nitrate + Nitrite (N)	mg/L	<0.10	0.10	8922234			
Dissolved Bromide (Br-)	mg/L	<1.0	1.0	8922232			
Un-ionized Ammonia (as N)	mg/L	0.010	0.0057	8921581			
Metals							
Dissolved Aluminum (Al)	ug/L	7.61	0.50	8966410			
Total Aluminum (Al)	ug/L	3.52	0.50	8958659			
Dissolved Antimony (Sb)	ug/L	0.105	0.020	8966409			
Total Antimony (Sb)	ug/L	0.112	0.020	8958659			
Dissolved Arsenic (As)	ug/L	44.0	0.020	8966409			
Total Arsenic (As)	ug/L	46.1	0.020	8958659			
Dissolved Barium (Ba)	ug/L	3.46	0.020	8966409			
Total Barium (Ba)	ug/L	3.47	0.020	8958659			
Dissolved Beryllium (Be)	ug/L	<0.010	0.010	8966409			
Total Beryllium (Be)	ug/L	<0.010	0.010	8958659			
Dissolved Bismuth (Bi)	ug/L	<0.0050	0.0050	8966409			
Total Bismuth (Bi)	ug/L	<0.0050	0.0050	8958659			
Dissolved Boron (B)	ug/L	31	10	8966409			
Total Boron (B)	ug/L	23	10	8958659			
Dissolved Cadmium (Cd)	ug/L	<0.0050	0.0050	8966409			
Total Cadmium (Cd)	ug/L	<0.0050	0.0050	8958659			
Dissolved Chromium (Cr)	ug/L	<0.10	0.10	8966409			
Total Chromium (Cr)	ug/L	<0.10	0.10	8958659			
RDL = Reportable Detection Limit QC Batch = Quality Control Batch Lab-Dup = Laboratory Initiated Duplicate							



BUREAU
VERITAS

Bureau Veritas Job #: C3S4520
Report Date: 2023/10/11

Agnico Eagle
Your P.O. #: 1248940
Sampler Initials: TD

RESULTS OF ANALYSES OF WATER

Bureau Veritas ID		WZR819			WZR819		
Sampling Date		2023/09/10 10:00			2023/09/10 10:00		
COC Number		764388			764388		
	UNITS	MW-IPD-01(s)a	RDL	QC Batch	MW-IPD-01(s)a Lab-Dup	RDL	QC Batch
Dissolved Copper (Cu)	ug/L	0.144	0.050	8966409			
Total Copper (Cu)	ug/L	0.161	0.050	8958659			
Dissolved Iron (Fe)	ug/L	60.3	1.0	8966409			
Total Iron (Fe)	ug/L	49.3	1.0	8958659			
Dissolved Lead (Pb)	ug/L	0.0333	0.0050	8966409			
Total Lead (Pb)	ug/L	0.0410	0.0050	8958659			
Dissolved Lithium (Li)	ug/L	1.64	0.50	8966409			
Total Lithium (Li)	ug/L	1.57	0.50	8958659			
Dissolved Manganese (Mn)	ug/L	57.7	0.050	8966409			
Total Manganese (Mn)	ug/L	59.3	0.050	8958659			
Dissolved Molybdenum (Mo)	ug/L	4.46	0.050	8966409			
Total Molybdenum (Mo)	ug/L	4.37	0.050	8958659			
Dissolved Nickel (Ni)	ug/L	0.548	0.020	8966409			
Total Nickel (Ni)	ug/L	0.462	0.020	8958659			
Dissolved Selenium (Se)	ug/L	<0.040	0.040	8966409			
Total Selenium (Se)	ug/L	<0.040	0.040	8958659			
Dissolved Silver (Ag)	ug/L	0.0060	0.0050	8966409			
Total Silver (Ag)	ug/L	<0.0050	0.0050	8958659			
Dissolved Strontium (Sr)	ug/L	92.9	0.050	8966409			
Total Strontium (Sr)	ug/L	92.1	0.050	8958659			
Dissolved Thallium (Tl)	ug/L	<0.0020	0.0020	8966409			
Total Thallium (Tl)	ug/L	<0.0020	0.0020	8958659			
Dissolved Tin (Sn)	ug/L	0.34	0.20	8966409			
Total Tin (Sn)	ug/L	<0.20	0.20	8958659			
Dissolved Titanium (Ti)	ug/L	<0.50	0.50	8966409			
Total Titanium (Ti)	ug/L	<0.50	0.50	8958659			
Dissolved Uranium (U)	ug/L	3.90	0.0020	8966409			
Total Uranium (U)	ug/L	3.47	0.0020	8958659			
Dissolved Vanadium (V)	ug/L	<0.20	0.20	8966409			
Total Vanadium (V)	ug/L	<0.20	0.20	8958659			
Dissolved Zinc (Zn)	ug/L	1.81	0.10	8966410			
Total Zinc (Zn)	ug/L	0.61	0.10	8958659			
RDL = Reportable Detection Limit QC Batch = Quality Control Batch Lab-Dup = Laboratory Initiated Duplicate							



RESULTS OF ANALYSES OF WATER

Bureau Veritas ID		WZR819			WZR819		
Sampling Date		2023/09/10 10:00			2023/09/10 10:00		
COC Number		764388			764388		
	UNITS	MW-IPD-01(s)a	RDL	QC Batch	MW-IPD-01(s)a Lab-Dup	RDL	QC Batch
Dissolved Calcium (Ca)	mg/L	13.2	0.050	8946053			
Total Calcium (Ca)	mg/L	13.0	0.050	8946052			
Dissolved Magnesium (Mg)	mg/L	5.34	0.050	8946053			
Total Magnesium (Mg)	mg/L	5.18	0.050	8946052			
Dissolved Potassium (K)	mg/L	1.84	0.050	8946053			
Total Potassium (K)	mg/L	1.79	0.050	8946052			
Dissolved Sodium (Na)	mg/L	3.85	0.050	8946053			
Total Sodium (Na)	mg/L	3.72	0.050	8946052			
RDL = Reportable Detection Limit QC Batch = Quality Control Batch Lab-Dup = Laboratory Initiated Duplicate							



BUREAU
VERITAS

Bureau Veritas Job #: C3S4520
Report Date: 2023/10/11

Agnico Eagle
Your P.O. #: 1248940
Sampler Initials: TD

RESULTS OF ANALYSES OF WATER

Bureau Veritas ID		WZR820			WZR820		
Sampling Date		2023/09/10 10:00			2023/09/10 10:00		
COC Number		764388			764388		
	UNITS	MW-IPD-01(s)b	RDL	QC Batch	MW-IPD-01(s)b Lab-Dup	RDL	QC Batch
Calculated Parameters							
Total Ammonia (as NH3)	mg/L	0.11	0.061	8921650			
Ammonium (NH4)	mg/L	0.11	0.0069	8921651			
Bicarb. Alkalinity (calc. as CaCO3)	mg/L	54	1.0	8921579			
Calculated TDS	mg/L	79	1.0	8921659			
Carb. Alkalinity (calc. as CaCO3)	mg/L	<1.0	1.0	8921579			
Sodium Adsorption Ratio	N/A	0.25 (1)		8921653			
CONVENTIONALS							
Redox Potential	mV	300	N/A	8922291			
Field Measurements							
Field Temperature	Celsius	22.88	N/A	ONSITE			
Field Measured pH	pH	8.42		ONSITE			
Inorganics							
Total Ammonia-N	mg/L	0.093	0.050	8924671			
Conductivity	umho/cm	140	1.0	8922214			
Free Cyanide (CN)	ug/L	6.7 (2)	2.0	8940087			
Strong Acid Dissoc. Cyanide (CN)	mg/L	<0.00050 (3)	0.00050	8940088			
Weak Acid Dissoc. Cyanide (CN)	mg/L	<0.00050 (4)	0.00050	8940089			
Total Dissolved Solids	mg/L	75	10	8921712			
Fluoride (F-)	mg/L	0.33	0.10	8922215			
Total Kjeldahl Nitrogen (TKN)	mg/L	0.15	0.10	8923328			
Dissolved Organic Carbon	mg/L	0.91	0.40	8922124	0.88	0.40	8922124
Total Organic Carbon (TOC)	mg/L	0.96	0.40	8923341			
Orthophosphate (P)	mg/L	0.019	0.010	8922241	0.018	0.010	8922241
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) 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. (3) SAD Cyanide < Free Cyanide: Both values fall within the method uncertainty for duplicates and are likely equivalent. (4) WAD Cyanide < Free Cyanide: Both values fall within the method uncertainty for duplicates and are likely equivalent.							



BUREAU
VERITAS

Bureau Veritas Job #: C3S4520
Report Date: 2023/10/11

Agnico Eagle
Your P.O. #: 1248940
Sampler Initials: TD

RESULTS OF ANALYSES OF WATER

Bureau Veritas ID		WZR820			WZR820		
Sampling Date		2023/09/10 10:00			2023/09/10 10:00		
COC Number		764388			764388		
	UNITS	MW-IPD-01(s)b	RDL	QC Batch	MW-IPD-01(s)b Lab-Dup	RDL	QC Batch
pH	pH	7.91		8922210			
Total Phosphorus (P)	mg/L	0.015	0.0010	8964926			
Reactive Silica (SiO ₂)	mg/L	6.0	0.050	8964925			
Total Suspended Solids	mg/L	<1	1	8921703			
Turbidity	NTU	0.1	0.1	8922236			
Alkalinity (Total as CaCO ₃)	mg/L	54	1.0	8922213			
Dissolved Chloride (Cl ⁻)	mg/L	1.7	1.0	8922239	1.4	1.0	8922239
Nitrite (N)	mg/L	<0.010	0.010	8922234			
Nitrate (N)	mg/L	<0.10	0.10	8922234			
Dissolved Sulphate (SO ₄)	mg/L	11	0.50	8940086			
Nitrate + Nitrite (N)	mg/L	<0.10	0.10	8922234			
Dissolved Bromide (Br ⁻)	mg/L	<1.0	1.0	8922232			
Un-ionized Ammonia (as N)	mg/L	0.011	0.0057	8921581			
Metals							
Dissolved Aluminum (Al)	ug/L	7.45	0.50	8966409			
Total Aluminum (Al)	ug/L	9.06	0.50	8958659			
Dissolved Antimony (Sb)	ug/L	0.110	0.020	8966409			
Total Antimony (Sb)	ug/L	0.113	0.020	8958659			
Dissolved Arsenic (As)	ug/L	45.3	0.020	8966409			
Total Arsenic (As)	ug/L	46.2	0.020	8958659			
Dissolved Barium (Ba)	ug/L	5.46	0.020	8966409			
Total Barium (Ba)	ug/L	5.32	0.020	8958659			
Dissolved Beryllium (Be)	ug/L	<0.010	0.010	8966409			
Total Beryllium (Be)	ug/L	<0.010	0.010	8958659			
Dissolved Bismuth (Bi)	ug/L	<0.0050	0.0050	8966409			
Total Bismuth (Bi)	ug/L	<0.0050	0.0050	8958659			
Dissolved Boron (B)	ug/L	28	10	8966409			
Total Boron (B)	ug/L	22	10	8958659			
Dissolved Cadmium (Cd)	ug/L	<0.0050	0.0050	8966409			
Total Cadmium (Cd)	ug/L	<0.0050	0.0050	8958659			
Dissolved Chromium (Cr)	ug/L	0.13	0.10	8966409			
Total Chromium (Cr)	ug/L	0.23	0.10	8958659			
RDL = Reportable Detection Limit QC Batch = Quality Control Batch Lab-Dup = Laboratory Initiated Duplicate							



BUREAU
VERITAS

Bureau Veritas Job #: C3S4520
Report Date: 2023/10/11

Agnico Eagle
Your P.O. #: 1248940
Sampler Initials: TD

RESULTS OF ANALYSES OF WATER

Bureau Veritas ID		WZR820			WZR820		
Sampling Date		2023/09/10 10:00			2023/09/10 10:00		
COC Number		764388			764388		
	UNITS	MW-IPD-01(s)b	RDL	QC Batch	MW-IPD-01(s)b Lab-Dup	RDL	QC Batch
Dissolved Copper (Cu)	ug/L	0.199	0.050	8966409			
Total Copper (Cu)	ug/L	0.243	0.050	8958659			
Dissolved Iron (Fe)	ug/L	60.8	1.0	8966409			
Total Iron (Fe)	ug/L	284	1.0	8958659			
Dissolved Lead (Pb)	ug/L	0.0566	0.0050	8966409			
Total Lead (Pb)	ug/L	0.0500	0.0050	8958659			
Dissolved Lithium (Li)	ug/L	1.59	0.50	8966409			
Total Lithium (Li)	ug/L	1.59	0.50	8958659			
Dissolved Manganese (Mn)	ug/L	59.7	0.050	8966409			
Total Manganese (Mn)	ug/L	61.0	0.050	8958659			
Dissolved Molybdenum (Mo)	ug/L	4.49	0.050	8966409			
Total Molybdenum (Mo)	ug/L	4.33	0.050	8958659			
Dissolved Nickel (Ni)	ug/L	0.519	0.020	8966409			
Total Nickel (Ni)	ug/L	0.497	0.020	8958659			
Dissolved Selenium (Se)	ug/L	<0.040	0.040	8966409			
Total Selenium (Se)	ug/L	<0.040	0.040	8958659			
Dissolved Silver (Ag)	ug/L	<0.0050	0.0050	8966409			
Total Silver (Ag)	ug/L	<0.0050	0.0050	8958659			
Dissolved Strontium (Sr)	ug/L	94.4	0.050	8966409			
Total Strontium (Sr)	ug/L	92.2	0.050	8958659			
Dissolved Thallium (Tl)	ug/L	<0.0020	0.0020	8966409			
Total Thallium (Tl)	ug/L	<0.0020	0.0020	8958659			
Dissolved Tin (Sn)	ug/L	0.68	0.20	8966410			
Total Tin (Sn)	ug/L	<0.20	0.20	8958659			
Dissolved Titanium (Ti)	ug/L	<0.50	0.50	8966409			
Total Titanium (Ti)	ug/L	<0.50	0.50	8958659			
Dissolved Uranium (U)	ug/L	3.94	0.0020	8966409			
Total Uranium (U)	ug/L	3.54	0.0020	8958659			
Dissolved Vanadium (V)	ug/L	<0.20	0.20	8966409			
Total Vanadium (V)	ug/L	<0.20	0.20	8958659			
Dissolved Zinc (Zn)	ug/L	1.76	0.10	8966409			
Total Zinc (Zn)	ug/L	1.97	0.10	8958659			
RDL = Reportable Detection Limit QC Batch = Quality Control Batch Lab-Dup = Laboratory Initiated Duplicate							



BUREAU
VERITAS

Bureau Veritas Job #: C3S4520
Report Date: 2023/10/11

Agnico Eagle
Your P.O. #: 1248940
Sampler Initials: TD

RESULTS OF ANALYSES OF WATER

Bureau Veritas ID		WZR820			WZR820		
Sampling Date		2023/09/10 10:00			2023/09/10 10:00		
COC Number		764388			764388		
	UNITS	MW-IPD-01(s)b	RDL	QC Batch	MW-IPD-01(s)b Lab-Dup	RDL	QC Batch
Dissolved Calcium (Ca)	mg/L	13.8	0.050	8946053			
Total Calcium (Ca)	mg/L	13.4	0.050	8946052			
Dissolved Magnesium (Mg)	mg/L	5.33	0.050	8946053			
Total Magnesium (Mg)	mg/L	5.18	0.050	8946052			
Dissolved Potassium (K)	mg/L	1.87	0.050	8946053			
Total Potassium (K)	mg/L	1.80	0.050	8946052			
Dissolved Sodium (Na)	mg/L	3.84	0.050	8946053			
Total Sodium (Na)	mg/L	3.72	0.050	8946052			
RDL = Reportable Detection Limit QC Batch = Quality Control Batch Lab-Dup = Laboratory Initiated Duplicate							



RESULTS OF ANALYSES OF WATER

Bureau Veritas ID		WZR821			WZR821		
Sampling Date		2023/09/10 10:00			2023/09/10 10:00		
COC Number		764388			764388		
	UNITS	MW-IPD-01-FB	RDL	QC Batch	MW-IPD-01-FB Lab-Dup	RDL	QC Batch
Calculated Parameters							
Total Ammonia (as NH3)	mg/L	<0.061	0.061	8921650			
Bicarb. Alkalinity (calc. as CaCO3)	mg/L	<1.0	1.0	8921579			
Calculated TDS	mg/L	2.0	1.0	8921659			
Carb. Alkalinity (calc. as CaCO3)	mg/L	<1.0	1.0	8921579			
Sodium Adsorption Ratio	N/A	0.23 (1)		8921653			
CONVENTIONALS							
Redox Potential	mV	480	N/A	8922291			
Inorganics							
Total Ammonia-N	mg/L	<0.050	0.050	8924671			
Conductivity	umho/cm	1.5	1.0	8922214			
Free Cyanide (CN)	ug/L	2.5 (2)	2.0	8940087			
Strong Acid Dissoc. Cyanide (CN)	mg/L	<0.00050 (3)	0.00050	8964927			
Weak Acid Dissoc. Cyanide (CN)	mg/L	<0.00050 (4)	0.00050	8964928			
Total Dissolved Solids	mg/L	<10	10	8921712			
Fluoride (F-)	mg/L	<0.10	0.10	8922215			
Total Kjeldahl Nitrogen (TKN)	mg/L	0.10	0.10	8923328			
Dissolved Organic Carbon	mg/L	<0.40	0.40	8922124			
Total Organic Carbon (TOC)	mg/L	0.41	0.40	8923341			
Orthophosphate (P)	mg/L	<0.010	0.010	8922198			
pH	pH	5.59		8922210			
Total Phosphorus (P)	mg/L	<0.0010	0.0010	8943013			
Reactive Silica (SiO2)	mg/L	<0.050	0.050	8949425	<0.050	0.050	8949425
<p>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) 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. (3) SAD Cyanide < Free Cyanide: Both values fall within the method uncertainty for duplicates and are likely equivalent. (4) WAD Cyanide < Free Cyanide: Both values fall within the method uncertainty for duplicates and are likely equivalent</p>							



BUREAU
VERITAS

Bureau Veritas Job #: C3S4520
Report Date: 2023/10/11

Agnico Eagle
Your P.O. #: 1248940
Sampler Initials: TD

RESULTS OF ANALYSES OF WATER

Bureau Veritas ID		WZR821			WZR821		
Sampling Date		2023/09/10 10:00			2023/09/10 10:00		
COC Number		764388			764388		
	UNITS	MW-IPD-01-FB	RDL	QC Batch	MW-IPD-01-FB Lab-Dup	RDL	QC Batch
Total Suspended Solids	mg/L	<1	1	8921703			
Turbidity	NTU	<0.1	0.1	8922236			
Alkalinity (Total as CaCO3)	mg/L	<1.0	1.0	8922213			
Dissolved Chloride (Cl-)	mg/L	<1.0	1.0	8922196			
Nitrite (N)	mg/L	<0.010	0.010	8922183			
Nitrate (N)	mg/L	<0.10	0.10	8922183			
Dissolved Sulphate (SO4)	mg/L	1.6	0.50	8940086			
Nitrate + Nitrite (N)	mg/L	<0.10	0.10	8922183			
Dissolved Bromide (Br-)	mg/L	<1.0	1.0	8922232			
Metals							
Dissolved Aluminum (Al)	ug/L	<0.50	0.50	8966409			
Total Aluminum (Al)	ug/L	<0.50	0.50	8958659	<0.50	0.50	8958659
Dissolved Antimony (Sb)	ug/L	<0.020	0.020	8966409			
Total Antimony (Sb)	ug/L	<0.020	0.020	8958659	<0.020	0.020	8958659
Dissolved Arsenic (As)	ug/L	<0.020	0.020	8966409			
Total Arsenic (As)	ug/L	<0.020	0.020	8958659	<0.020	0.020	8958659
Dissolved Barium (Ba)	ug/L	<0.020	0.020	8966409			
Total Barium (Ba)	ug/L	<0.020	0.020	8958659	<0.020	0.020	8958659
Dissolved Beryllium (Be)	ug/L	<0.010	0.010	8966409			
Total Beryllium (Be)	ug/L	<0.010	0.010	8958659	<0.010	0.010	8958659
Dissolved Bismuth (Bi)	ug/L	<0.0050	0.0050	8966409			
Total Bismuth (Bi)	ug/L	<0.0050	0.0050	8958659	<0.0050	0.0050	8958659
Dissolved Boron (B)	ug/L	<10	10	8966409			
Total Boron (B)	ug/L	<10	10	8958659	<10	10	8958659
Dissolved Cadmium (Cd)	ug/L	<0.0050	0.0050	8966409			
Total Cadmium (Cd)	ug/L	<0.0050	0.0050	8958659	<0.0050	0.0050	8958659
Dissolved Chromium (Cr)	ug/L	<0.10	0.10	8966409			
Total Chromium (Cr)	ug/L	<0.10	0.10	8958659	<0.10	0.10	8958659
Dissolved Copper (Cu)	ug/L	<0.050	0.050	8966409			
Total Copper (Cu)	ug/L	<0.050	0.050	8958659	<0.050	0.050	8958659
Dissolved Iron (Fe)	ug/L	<1.0	1.0	8966409			
Total Iron (Fe)	ug/L	<1.0	1.0	8958659	<1.0	1.0	8958659
RDL = Reportable Detection Limit QC Batch = Quality Control Batch Lab-Dup = Laboratory Initiated Duplicate							



BUREAU
VERITAS

Bureau Veritas Job #: C3S4520
Report Date: 2023/10/11

Agnico Eagle
Your P.O. #: 1248940
Sampler Initials: TD

RESULTS OF ANALYSES OF WATER

Bureau Veritas ID		WZR821			WZR821		
Sampling Date		2023/09/10 10:00			2023/09/10 10:00		
COC Number		764388			764388		
	UNITS	MW-IPD-01-FB	RDL	QC Batch	MW-IPD-01-FB Lab-Dup	RDL	QC Batch
Dissolved Lead (Pb)	ug/L	<0.0050	0.0050	8966409			
Total Lead (Pb)	ug/L	<0.0050	0.0050	8958659	<0.0050	0.0050	8958659
Dissolved Lithium (Li)	ug/L	<0.50	0.50	8966409			
Total Lithium (Li)	ug/L	<0.50	0.50	8958659	<0.50	0.50	8958659
Dissolved Manganese (Mn)	ug/L	<0.050	0.050	8966409			
Total Manganese (Mn)	ug/L	<0.050	0.050	8958659	<0.050	0.050	8958659
Dissolved Molybdenum (Mo)	ug/L	<0.050	0.050	8966409			
Total Molybdenum (Mo)	ug/L	<0.050	0.050	8958659	<0.050	0.050	8958659
Dissolved Nickel (Ni)	ug/L	<0.020	0.020	8966409			
Total Nickel (Ni)	ug/L	0.029	0.020	8958659	0.022	0.020	8958659
Dissolved Selenium (Se)	ug/L	<0.040	0.040	8966409			
Total Selenium (Se)	ug/L	<0.040	0.040	8958659	<0.040	0.040	8958659
Dissolved Silver (Ag)	ug/L	<0.0050	0.0050	8966409			
Total Silver (Ag)	ug/L	<0.0050	0.0050	8958659	<0.0050	0.0050	8958659
Dissolved Strontium (Sr)	ug/L	<0.050	0.050	8966409			
Total Strontium (Sr)	ug/L	<0.050	0.050	8958659	<0.050	0.050	8958659
Dissolved Thallium (Tl)	ug/L	<0.0020	0.0020	8966409			
Total Thallium (Tl)	ug/L	<0.0020	0.0020	8958659	<0.0020	0.0020	8958659
Dissolved Tin (Sn)	ug/L	<0.20	0.20	8966409			
Total Tin (Sn)	ug/L	<0.20	0.20	8958659	<0.20	0.20	8958659
Dissolved Titanium (Ti)	ug/L	<0.50	0.50	8966409			
Total Titanium (Ti)	ug/L	<0.50	0.50	8958659	<0.50	0.50	8958659
Dissolved Uranium (U)	ug/L	<0.0020	0.0020	8966409			
Total Uranium (U)	ug/L	<0.0020	0.0020	8958659	<0.0020	0.0020	8958659
Dissolved Vanadium (V)	ug/L	<0.20	0.20	8966409			
Total Vanadium (V)	ug/L	<0.20	0.20	8958659	<0.20	0.20	8958659
Dissolved Zinc (Zn)	ug/L	<0.10	0.10	8966409			
Total Zinc (Zn)	ug/L	0.11	0.10	8958659	<0.10	0.10	8958659
Dissolved Calcium (Ca)	mg/L	<0.050	0.050	8946053			
Total Calcium (Ca)	mg/L	<0.050	0.050	8946052			
Dissolved Magnesium (Mg)	mg/L	<0.050	0.050	8946053			
Total Magnesium (Mg)	mg/L	<0.050	0.050	8946052			
RDL = Reportable Detection Limit QC Batch = Quality Control Batch Lab-Dup = Laboratory Initiated Duplicate							



BUREAU
VERITAS

Bureau Veritas Job #: C3S4520
Report Date: 2023/10/11

Agnico Eagle
Your P.O. #: 1248940
Sampler Initials: TD

RESULTS OF ANALYSES OF WATER

Bureau Veritas ID		WZR821			WZR821		
Sampling Date		2023/09/10 10:00			2023/09/10 10:00		
COC Number		764388			764388		
	UNITS	MW-IPD-01-FB	RDL	QC Batch	MW-IPD-01-FB Lab-Dup	RDL	QC Batch
Dissolved Potassium (K)	mg/L	<0.050	0.050	8946053			
Total Potassium (K)	mg/L	<0.050	0.050	8946052			
Dissolved Sodium (Na)	mg/L	<0.050	0.050	8946053			
Total Sodium (Na)	mg/L	<0.050	0.050	8946052			
RDL = Reportable Detection Limit QC Batch = Quality Control Batch Lab-Dup = Laboratory Initiated Duplicate							



RESULTS OF ANALYSES OF WATER

Bureau Veritas ID		WZR822		
Sampling Date		2023/09/10 10:00		
COC Number		764388		
	UNITS	MW-IPD-01-TB	RDL	QC Batch

Calculated Parameters				
Total Ammonia (as NH3)	mg/L	<0.061	0.061	8925881
Bicarb. Alkalinity (calc. as CaCO3)	mg/L	<1.0	1.0	8921579
Calculated TDS	mg/L	<1.0	1.0	8921659
Carb. Alkalinity (calc. as CaCO3)	mg/L	<1.0	1.0	8921579
Sodium Adsorption Ratio	N/A	NC (1)		8921653

CONVENTIONALS				
Redox Potential	mV	460	N/A	8922291

Inorganics				
Total Ammonia-N	mg/L	<0.050	0.050	8928873
Conductivity	umho/cm	1.7	1.0	8922214
Free Cyanide (CN)	ug/L	2.3 (2)	2.0	8940087
Strong Acid Dissoc. Cyanide (CN)	mg/L	<0.00050 (3)	0.00050	8964929
Weak Acid Dissoc. Cyanide (CN)	mg/L	<0.00050 (4)	0.00050	8964930
Total Dissolved Solids	mg/L	<10	10	8921712
Fluoride (F-)	mg/L	<0.10	0.10	8922215
Total Kjeldahl Nitrogen (TKN)	mg/L	<0.10	0.10	8923328
Dissolved Organic Carbon	mg/L	<0.40	0.40	8922124
Total Organic Carbon (TOC)	mg/L	<0.40	0.40	8923341
Orthophosphate (P)	mg/L	<0.010	0.010	8922198
pH	pH	5.70		8922210
Total Phosphorus (P)	mg/L	<0.0010	0.0010	8943328

RDL = Reportable Detection Limit
 QC Batch = Quality Control Batch
 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) 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.
 (3) Matrix spike exceeds acceptance limits due to matrix interference. SAD Cyanide < Free Cyanide: Both values fall within the method uncertainty for duplicates and are likely equivalent.
 (4) WAD Cyanide < Free Cyanide: Both values fall within the method uncertainty for duplicates and are likely equivalent.



RESULTS OF ANALYSES OF WATER

Bureau Veritas ID		WZR822		
Sampling Date		2023/09/10 10:00		
COC Number		764388		
	UNITS	MW-IPD-01-TB	RDL	QC Batch
Reactive Silica (SiO2)	mg/L	<0.050	0.050	8964925
Total Suspended Solids	mg/L	<1	1	8921703
Turbidity	NTU	<0.1	0.1	8922236
Alkalinity (Total as CaCO3)	mg/L	<1.0	1.0	8922213
Dissolved Chloride (Cl-)	mg/L	<1.0	1.0	8922196
Nitrite (N)	mg/L	<0.010	0.010	8922183
Nitrate (N)	mg/L	<0.10	0.10	8922183
Dissolved Sulphate (SO4)	mg/L	<0.50	0.50	8940086
Nitrate + Nitrite (N)	mg/L	<0.10	0.10	8922183
Dissolved Bromide (Br-)	mg/L	<1.0	1.0	8922232
Metals				
Dissolved Aluminum (Al)	ug/L	<0.50	0.50	8966409
Total Aluminum (Al)	ug/L	<0.50	0.50	8958659
Dissolved Antimony (Sb)	ug/L	<0.020	0.020	8966409
Total Antimony (Sb)	ug/L	<0.020	0.020	8958659
Dissolved Arsenic (As)	ug/L	<0.020	0.020	8966409
Total Arsenic (As)	ug/L	<0.020	0.020	8958659
Dissolved Barium (Ba)	ug/L	<0.020	0.020	8966409
Total Barium (Ba)	ug/L	<0.020	0.020	8958659
Dissolved Beryllium (Be)	ug/L	<0.010	0.010	8966409
Total Beryllium (Be)	ug/L	<0.010	0.010	8958659
Dissolved Bismuth (Bi)	ug/L	<0.0050	0.0050	8966409
Total Bismuth (Bi)	ug/L	<0.0050	0.0050	8958659
Dissolved Boron (B)	ug/L	<10	10	8966409
Total Boron (B)	ug/L	<10	10	8958659
Dissolved Cadmium (Cd)	ug/L	<0.0050	0.0050	8966409
Total Cadmium (Cd)	ug/L	<0.0050	0.0050	8958659
Dissolved Chromium (Cr)	ug/L	<0.10	0.10	8966409
Total Chromium (Cr)	ug/L	<0.10	0.10	8958659
Dissolved Copper (Cu)	ug/L	<0.050	0.050	8966409
Total Copper (Cu)	ug/L	<0.050	0.050	8958659
Dissolved Iron (Fe)	ug/L	<1.0	1.0	8966409
RDL = Reportable Detection Limit QC Batch = Quality Control Batch				



BUREAU
VERITAS

Bureau Veritas Job #: C3S4520
Report Date: 2023/10/11

Agnico Eagle
Your P.O. #: 1248940
Sampler Initials: TD

RESULTS OF ANALYSES OF WATER

Bureau Veritas ID		WZR822		
Sampling Date		2023/09/10 10:00		
COC Number		764388		
	UNITS	MW-IPD-01-TB	RDL	QC Batch
Total Iron (Fe)	ug/L	<1.0	1.0	8958659
Dissolved Lead (Pb)	ug/L	<0.0050	0.0050	8966409
Total Lead (Pb)	ug/L	<0.0050	0.0050	8958659
Dissolved Lithium (Li)	ug/L	<0.50	0.50	8966409
Total Lithium (Li)	ug/L	<0.50	0.50	8958659
Dissolved Manganese (Mn)	ug/L	<0.050	0.050	8966409
Total Manganese (Mn)	ug/L	<0.050	0.050	8958659
Dissolved Molybdenum (Mo)	ug/L	<0.050	0.050	8966409
Total Molybdenum (Mo)	ug/L	<0.050	0.050	8958659
Dissolved Nickel (Ni)	ug/L	<0.020	0.020	8966409
Total Nickel (Ni)	ug/L	<0.020	0.020	8958659
Dissolved Selenium (Se)	ug/L	<0.040	0.040	8966409
Total Selenium (Se)	ug/L	<0.040	0.040	8958659
Dissolved Silver (Ag)	ug/L	<0.0050	0.0050	8966409
Total Silver (Ag)	ug/L	<0.0050	0.0050	8958659
Dissolved Strontium (Sr)	ug/L	<0.050	0.050	8966409
Total Strontium (Sr)	ug/L	<0.050	0.050	8958659
Dissolved Thallium (Tl)	ug/L	<0.0020	0.0020	8966409
Total Thallium (Tl)	ug/L	<0.0020	0.0020	8958659
Dissolved Tin (Sn)	ug/L	<0.20	0.20	8966409
Total Tin (Sn)	ug/L	<0.20	0.20	8958659
Dissolved Titanium (Ti)	ug/L	<0.50	0.50	8966409
Total Titanium (Ti)	ug/L	<0.50	0.50	8958659
Dissolved Uranium (U)	ug/L	<0.0020	0.0020	8966409
Total Uranium (U)	ug/L	0.0020	0.0020	8958659
Dissolved Vanadium (V)	ug/L	<0.20	0.20	8966409
Total Vanadium (V)	ug/L	<0.20	0.20	8958659
Dissolved Zinc (Zn)	ug/L	<0.10	0.10	8966409
Total Zinc (Zn)	ug/L	<0.10	0.10	8958659
Dissolved Calcium (Ca)	mg/L	<0.050	0.050	8966416
Total Calcium (Ca)	mg/L	<0.050	0.050	8966414
Dissolved Magnesium (Mg)	mg/L	<0.050	0.050	8966416
RDL = Reportable Detection Limit				
QC Batch = Quality Control Batch				



BUREAU
VERITAS

Bureau Veritas Job #: C3S4520
Report Date: 2023/10/11

Agnico Eagle
Your P.O. #: 1248940
Sampler Initials: TD

RESULTS OF ANALYSES OF WATER

Bureau Veritas ID		WZR822		
Sampling Date		2023/09/10 10:00		
COC Number		764388		
	UNITS	MW-IPD-01-TB	RDL	QC Batch
Total Magnesium (Mg)	mg/L	<0.050	0.050	8966414
Dissolved Potassium (K)	mg/L	<0.050	0.050	8966416
Total Potassium (K)	mg/L	<0.050	0.050	8966414
Dissolved Sodium (Na)	mg/L	<0.050	0.050	8966416
Total Sodium (Na)	mg/L	<0.050	0.050	8966414
RDL = Reportable Detection Limit QC Batch = Quality Control Batch				



BUREAU
VERITAS

Bureau Veritas Job #: C3S4520
Report Date: 2023/10/11

Agnico Eagle
Your P.O. #: 1248940
Sampler Initials: TD

ELEMENTS BY ATOMIC SPECTROSCOPY (WATER)

Bureau Veritas ID		WZR815	WZR816		WZR817		WZR818		
Sampling Date		2023/09/10 09:00	2023/09/10 09:15		2023/09/10 09:30		2023/09/10 09:45		
COC Number		764388	764388		764388		764388		
	UNITS	MW-IPD-09a	MW-IPD-09b	QC Batch	MW-IPD-01(d)a	QC Batch	MW-IPD-01(d)b	RDL	QC Batch

Calculated Parameters									
Total Hardness (CaCO3)	mg/L	71.0	72.1	8943099	112	8943099	112	0.50	8943099
Metals									
Dissolved Calcium (Ca)	mg/L	18	18	8926528	25	8926528	26	0.05	8926550
Dissolved Magnesium (Mg)	mg/L	7.8	7.9	8926528	15	8926528	15	0.05	8926550
Mercury (Hg)	mg/L	<0.00001	<0.00001	8924078	<0.00001	8924355	<0.00001	0.00001	8924355
Dissolved Mercury (Hg)	mg/L	<0.00001	<0.00001	8924223	<0.00001	8924223	<0.00001	0.00001	8924223
Dissolved Potassium (K)	mg/L	1	1	8926528	1	8926528	1	1	8926550
Dissolved Sodium (Na)	mg/L	21	22	8926528	26	8926528	27	0.5	8926550
RDL = Reportable Detection Limit QC Batch = Quality Control Batch									

Bureau Veritas ID		WZR819	WZR820			WZR820		
Sampling Date		2023/09/10 10:00	2023/09/10 10:00			2023/09/10 10:00		
COC Number		764388	764388			764388		
	UNITS	MW-IPD-01(s)a	MW-IPD-01(s)b	RDL	QC Batch	MW-IPD-01(s)b Lab-Dup	RDL	QC Batch

Calculated Parameters								
Total Hardness (CaCO3)	mg/L	53.7	54.7	0.50	8943099			
Metals								
Dissolved Calcium (Ca)	mg/L	15	15	0.05	8926528			
Dissolved Magnesium (Mg)	mg/L	5.7	5.8	0.05	8926528			
Mercury (Hg)	mg/L	<0.00001	<0.00001	0.00001	8924078	<0.00001	0.00001	8924078
Dissolved Mercury (Hg)	mg/L	<0.00001	<0.00001	0.00001	8924223			
Dissolved Potassium (K)	mg/L	2	2	1	8926528			
Dissolved Sodium (Na)	mg/L	4.4	4.5	0.5	8926528			
RDL = Reportable Detection Limit QC Batch = Quality Control Batch Lab-Dup = Laboratory Initiated Duplicate								



ELEMENTS BY ATOMIC SPECTROSCOPY (WATER)

Bureau Veritas ID		WZR821		WZR822		
Sampling Date		2023/09/10 10:00		2023/09/10 10:00		
COC Number		764388		764388		
	UNITS	MW-IPD-01-FB	QC Batch	MW-IPD-01-TB	RDL	QC Batch
Calculated Parameters						
Total Hardness (CaCO3)	mg/L	<0.50	8943099	<0.50	0.50	8940308
Metals						
Dissolved Calcium (Ca)	mg/L	0.36	8926528	<0.05	0.05	8926550
Dissolved Magnesium (Mg)	mg/L	<0.05	8926528	<0.05	0.05	8926550
Mercury (Hg)	mg/L	<0.00001	8924078	<0.00001	0.00001	8924078
Dissolved Mercury (Hg)	mg/L	<0.00001	8924223	<0.00001	0.00001	8924223
Dissolved Potassium (K)	mg/L	<1	8926528	<1	1	8926550
Dissolved Sodium (Na)	mg/L	<0.5	8926528	<0.5	0.5	8926550
RDL = Reportable Detection Limit QC Batch = Quality Control Batch						



BUREAU
VERITAS

Bureau Veritas Job #: C3S4520
Report Date: 2023/10/11

Agnico Eagle
Your P.O. #: 1248940
Sampler Initials: TD

TEST SUMMARY

Bureau Veritas ID: WZR815
Sample ID: MW-IPD-09a
Matrix: Water

Collected: 2023/09/10
Shipped:
Received: 2023/09/14

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
Alkalinity	AT	8922224	N/A	2023/09/18	Surinder Rai
Carbonate, Bicarbonate and Hydroxide	CALC	8921579	N/A	2023/09/19	Automated Statchk
Anions	IC	8922232	N/A	2023/09/18	Lusine Khachatryan
Chloride by Automated Colourimetry	KONE	8922239	N/A	2023/09/18	Samuel Law
Conductivity	AT	8922227	N/A	2023/09/18	Surinder Rai
Dissolved Organic Carbon (DOC)	TOCV/NDIR	8922124	N/A	2023/09/19	Gyulshen Idriz
Fluoride	ISE	8922226	2023/09/16	2023/09/18	Surinder Rai
Dissolved Mercury (low level)	CV/AA	8924223	2023/09/18	2023/09/19	Japneet Gill
Mercury (low level)	CV/AA	8924078	2023/09/18	2023/09/19	Japneet Gill
Lab Filtered Metals Analysis by ICP	ICP	8926528	2023/09/19	2023/09/20	Suban Kanapathipplai
Low Level Chloride and Sulphate by AC	KONE	8940086	N/A	2023/09/25	Shanna McKort
Cyanide (Free)	SPEC	8940087	N/A	2023/09/22	Amy Phan
Cyanide, Strong Acid Dissociable (SAD)	TECH/UVVS	8940088	2023/09/20	2023/09/20	Ming Dong
Cyanide WAD (weak acid dissociable)	TECH	8940089	N/A	2023/09/20	Ming Dong
Hardness Total (calculated as CaCO3)	CALC	8943099	N/A	2023/10/04	Automated Statchk
Na, K, Ca, Mg, S by CRC ICPMS (diss.)	ICP	8946053	N/A	2023/09/27	Automated Statchk
Elements by ICPMS Low Level (dissolved)	ICP/MS	8966410	N/A	2023/10/05	Andrew An
Na, K, Ca, Mg, S by CRC ICPMS (total)	ICP	8946052	N/A	2023/10/04	Automated Statchk
Elements by ICPMS Low Level (total)	ICP/MS	8958659	N/A	2023/10/03	Megan Mak
Silica (Reactive)	KONE	8964925	N/A	2023/09/28	Marjolen Busslinger
Total Phosphorus Low Level Total	KONE	8943328	2023/09/24	2023/09/25	Mary Anne Dela Cruz
Total Ammonia (as NH3)	CALC	8921650	N/A	2023/09/20	Automated Statchk
Ammonium as NH4+	CALC/NH3	8921651	N/A	2023/09/20	Automated Statchk
Total Ammonia-N	LACH/NH4	8924671	N/A	2023/09/20	Shivani Shivani
Nitrate & Nitrite as Nitrogen in Water	LACH	8922234	N/A	2023/09/18	Chandra Nandlal
pH	AT	8922228	2023/09/16	2023/09/18	Surinder Rai
Field Measured pH	PH	ONSITE	N/A	2023/09/15	Harmanpreet Kaur
Orthophosphate	KONE	8922241	N/A	2023/09/18	Samuel Law
Redox Potential	COND	8922291	2023/09/16	2023/09/19	Gurpartee Kaur
Sodium Adsorption Ratio (SAR)	CALC/MET	8921653	N/A	2023/09/21	Automated Statchk
Total Dissolved Solids (TDS calc)	CALC	8921659	N/A	2023/10/11	Automated Statchk
Total Dissolved Solids	BAL	8921712	2023/09/18	2023/09/19	Razieh Tabesh
Field Measured pH	PH	ONSITE	N/A	2023/09/15	Harmanpreet Kaur
Total Kjeldahl Nitrogen in Water	SKAL	8923328	2023/09/18	2023/09/20	Rajni Tyagi
Total Organic Carbon (TOC)	TOCV/NDIR	8923341	N/A	2023/09/21	Gyulshen Idriz
Low Level Total Suspended Solids	BAL	8921703	2023/09/18	2023/09/18	Darshan Patel
Turbidity	AT	8922236	N/A	2023/09/16	Leily Karimi
Un-ionized Ammonia (as N)	CALC	8921581	2023/09/20	2023/09/20	Automated Statchk

Bureau Veritas ID: WZR815 Dup
Sample ID: MW-IPD-09a
Matrix: Water

Collected: 2023/09/10
Shipped:
Received: 2023/09/14

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
Total Kjeldahl Nitrogen in Water	SKAL	8923328	2023/09/18	2023/09/20	Rajni Tyagi



BUREAU
VERITAS

Bureau Veritas Job #: C3S4520
Report Date: 2023/10/11

Agnico Eagle
Your P.O. #: 1248940
Sampler Initials: TD

TEST SUMMARY

Bureau Veritas ID: WZR816
Sample ID: MW-IPD-09b
Matrix: Water

Collected: 2023/09/10
Shipped:
Received: 2023/09/14

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
Alkalinity	AT	8922224	N/A	2023/09/18	Surinder Rai
Carbonate, Bicarbonate and Hydroxide	CALC	8921579	N/A	2023/09/19	Automated Statchk
Anions	IC	8922232	N/A	2023/09/18	Lusine Khachatryan
Chloride by Automated Colourimetry	KONE	8922239	N/A	2023/09/18	Samuel Law
Conductivity	AT	8922227	N/A	2023/09/18	Surinder Rai
Dissolved Organic Carbon (DOC)	TOCV/NDIR	8922124	N/A	2023/09/19	Gyulshen Idriz
Fluoride	ISE	8922226	2023/09/16	2023/09/18	Surinder Rai
Dissolved Mercury (low level)	CV/AA	8924223	2023/09/18	2023/09/19	Japneet Gill
Mercury (low level)	CV/AA	8924078	2023/09/18	2023/09/19	Japneet Gill
Lab Filtered Metals Analysis by ICP	ICP	8926528	2023/09/19	2023/09/20	Suban Kanapathipplai
Low Level Chloride and Sulphate by AC	KONE	8940086	N/A	2023/09/25	Shanna McKort
Cyanide (Free)	SPEC	8940087	N/A	2023/09/22	Amy Phan
Cyanide, Strong Acid Dissociable (SAD)	TECH/UVVS	8940088	2023/09/20	2023/09/20	Ming Dong
Cyanide WAD (weak acid dissociable)	TECH	8940089	N/A	2023/09/20	Ming Dong
Hardness Total (calculated as CaCO3)	CALC	8943099	N/A	2023/10/04	Automated Statchk
Na, K, Ca, Mg, S by CRC ICPMS (diss.)	ICP	8946053	N/A	2023/09/27	Automated Statchk
Elements by ICPMS Low Level (dissolved)	ICP/MS	8966409	N/A	2023/09/27	Andrew An
Na, K, Ca, Mg, S by CRC ICPMS (total)	ICP	8946052	N/A	2023/10/04	Automated Statchk
Elements by ICPMS Low Level (total)	ICP/MS	8958659	N/A	2023/10/03	Megan Mak
Silica (Reactive)	KONE	8964925	N/A	2023/09/28	Marjolen Busslinger
Total Phosphorus Low Level Total	KONE	8964926	2023/09/27	2023/09/28	Mary Anne Dela Cruz
Total Ammonia (as NH3)	CALC	8921650	N/A	2023/09/20	Automated Statchk
Ammonium as NH4+	CALC/NH3	8921651	N/A	2023/09/20	Automated Statchk
Total Ammonia-N	LACH/NH4	8924671	N/A	2023/09/20	Shivani Shivani
Nitrate & Nitrite as Nitrogen in Water	LACH	8922234	N/A	2023/09/18	Chandra Nandlal
pH	AT	8922228	2023/09/16	2023/09/18	Surinder Rai
Field Measured pH	PH	ONSITE	N/A	2023/09/15	Harmanpreet Kaur
Orthophosphate	KONE	8922241	N/A	2023/09/18	Samuel Law
Redox Potential	COND	8922291	2023/09/16	2023/09/19	Gurpartee Kaur
Sodium Adsorption Ratio (SAR)	CALC/MET	8921653	N/A	2023/09/21	Automated Statchk
Total Dissolved Solids (TDS calc)	CALC	8921659	N/A	2023/10/11	Automated Statchk
Total Dissolved Solids	BAL	8921712	2023/09/18	2023/09/19	Razieh Tabesh
Field Measured pH	PH	ONSITE	N/A	2023/09/15	Harmanpreet Kaur
Total Kjeldahl Nitrogen in Water	SKAL	8923328	2023/09/18	2023/09/20	Rajni Tyagi
Total Organic Carbon (TOC)	TOCV/NDIR	8923341	N/A	2023/09/21	Gyulshen Idriz
Low Level Total Suspended Solids	BAL	8921703	2023/09/18	2023/09/18	Darshan Patel
Turbidity	AT	8922236	N/A	2023/09/16	Leily Karimi
Un-ionized Ammonia (as N)	CALC	8921581	2023/09/20	2023/09/20	Automated Statchk

Bureau Veritas ID: WZR816 Dup
Sample ID: MW-IPD-09b
Matrix: Water

Collected: 2023/09/10
Shipped:
Received: 2023/09/14

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
Total Ammonia-N	LACH/NH4	8924671	N/A	2023/09/20	Shivani Shivani



BUREAU
VERITAS

Bureau Veritas Job #: C3S4520
Report Date: 2023/10/11

Agnico Eagle
Your P.O. #: 1248940
Sampler Initials: TD

TEST SUMMARY

Bureau Veritas ID: WZR816 Dup
Sample ID: MW-IPD-09b
Matrix: Water

Collected: 2023/09/10
Shipped:
Received: 2023/09/14

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
Total Organic Carbon (TOC)	TOCV/NDIR	8923341	N/A	2023/09/21	Gyulshen Idriz

Bureau Veritas ID: WZR817
Sample ID: MW-IPD-01(d)a
Matrix: Water

Collected: 2023/09/10
Shipped:
Received: 2023/09/14

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
Alkalinity	AT	8922213	N/A	2023/09/18	Surinder Rai
Carbonate, Bicarbonate and Hydroxide	CALC	8921579	N/A	2023/09/19	Automated Statchk
Anions	IC	8922232	N/A	2023/09/18	Lusine Khachatryan
Chloride by Automated Colourimetry	KONE	8922239	N/A	2023/09/18	Samuel Law
Conductivity	AT	8922214	N/A	2023/09/18	Surinder Rai
Dissolved Organic Carbon (DOC)	TOCV/NDIR	8921839	N/A	2023/09/19	Gyulshen Idriz
Fluoride	ISE	8922215	2023/09/16	2023/09/18	Surinder Rai
Dissolved Mercury (low level)	CV/AA	8924223	2023/09/18	2023/09/19	Japneet Gill
Mercury (low level)	CV/AA	8924355	2023/09/18	2023/09/19	Japneet Gill
Lab Filtered Metals Analysis by ICP	ICP	8926528	2023/09/19	2023/09/20	Suban Kanapathipplai
Low Level Chloride and Sulphate by AC	KONE	8940086	N/A	2023/09/25	Shanna McKort
Cyanide (Free)	SPEC	8940087	N/A	2023/09/22	Amy Phan
Cyanide, Strong Acid Dissociable (SAD)	TECH/UVVS	8964927	2023/09/20	2023/09/20	Ming Dong
Cyanide WAD (weak acid dissociable)	TECH	8964928	N/A	2023/09/20	Ming Dong
Hardness Total (calculated as CaCO3)	CALC	8943099	N/A	2023/10/04	Automated Statchk
Na, K, Ca, Mg, S by CRC ICPMS (diss.)	ICP	8946053	N/A	2023/09/27	Automated Statchk
Elements by ICPMS Low Level (dissolved)	ICP/MS	8966410	N/A	2023/10/05	Andrew An
Na, K, Ca, Mg, S by CRC ICPMS (total)	ICP	8946052	N/A	2023/10/04	Automated Statchk
Elements by ICPMS Low Level (total)	ICP/MS	8958659	N/A	2023/10/03	Megan Mak
Silica (Reactive)	KONE	8964925	N/A	2023/09/28	Marjolen Busslinger
Total Phosphorus Low Level Total	KONE	8943013	2023/09/26	2023/09/26	Mary Anne Dela Cruz
Total Ammonia (as NH3)	CALC	8921650	N/A	2023/09/20	Automated Statchk
Ammonium as NH4+	CALC/NH3	8921651	N/A	2023/09/20	Automated Statchk
Total Ammonia-N	LACH/NH4	8924671	N/A	2023/09/20	Shivani Shivani
Nitrate & Nitrite as Nitrogen in Water	LACH	8922234	N/A	2023/09/18	Chandra Nandlal
pH	AT	8922210	2023/09/16	2023/09/18	Surinder Rai
Field Measured pH	PH	ONSITE	N/A	2023/09/15	Harmanpreet Kaur
Orthophosphate	KONE	8922241	N/A	2023/09/18	Samuel Law
Redox Potential	COND	8922291	2023/09/16	2023/09/19	Gurpartee Kaur
Sodium Adsorption Ratio (SAR)	CALC/MET	8921653	N/A	2023/09/21	Automated Statchk
Total Dissolved Solids (TDS calc)	CALC	8921659	N/A	2023/10/11	Automated Statchk
Total Dissolved Solids	BAL	8921712	2023/09/18	2023/09/19	Razieh Tabesh
Field Measured pH	PH	ONSITE	N/A	2023/09/15	Harmanpreet Kaur
Total Kjeldahl Nitrogen in Water	SKAL	8923328	2023/09/18	2023/09/20	Rajni Tyagi
Total Organic Carbon (TOC)	TOCV/NDIR	8923341	N/A	2023/09/21	Gyulshen Idriz
Low Level Total Suspended Solids	BAL	8921703	2023/09/18	2023/09/18	Darshan Patel
Turbidity	AT	8922236	N/A	2023/09/16	Leily Karimi
Un-ionized Ammonia (as N)	CALC	8921581	2023/09/20	2023/09/20	Automated Statchk



BUREAU
VERITAS

Bureau Veritas Job #: C3S4520
Report Date: 2023/10/11

Agnico Eagle
Your P.O. #: 1248940
Sampler Initials: TD

TEST SUMMARY

Bureau Veritas ID: WZR818
Sample ID: MW-IPD-01(d)b
Matrix: Water

Collected: 2023/09/10
Shipped:
Received: 2023/09/14

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
Alkalinity	AT	8922213	N/A	2023/09/18	Surinder Rai
Carbonate, Bicarbonate and Hydroxide	CALC	8921579	N/A	2023/09/19	Automated Statchk
Anions	IC	8922232	N/A	2023/09/18	Lusine Khachatryan
Chloride by Automated Colourimetry	KONE	8922196	N/A	2023/09/18	Alina Dobreanu
Conductivity	AT	8922214	N/A	2023/09/18	Surinder Rai
Dissolved Organic Carbon (DOC)	TOCV/NDIR	8922124	N/A	2023/09/19	Gyulshen Idriz
Fluoride	ISE	8922215	2023/09/16	2023/09/18	Surinder Rai
Dissolved Mercury (low level)	CV/AA	8924223	2023/09/18	2023/09/19	Japneet Gill
Mercury (low level)	CV/AA	8924355	2023/09/18	2023/09/19	Japneet Gill
Lab Filtered Metals Analysis by ICP	ICP	8926550	2023/09/19	2023/09/20	Suban Kanapathipplai
Low Level Chloride and Sulphate by AC	KONE	8940086	N/A	2023/09/25	Shanna McKort
Cyanide (Free)	SPEC	8940087	N/A	2023/09/22	Amy Phan
Cyanide, Strong Acid Dissociable (SAD)	TECH/UVVS	8964927	2023/09/20	2023/09/20	Ming Dong
Cyanide WAD (weak acid dissociable)	TECH	8964928	N/A	2023/09/20	Ming Dong
Hardness Total (calculated as CaCO3)	CALC	8943099	N/A	2023/10/04	Automated Statchk
Na, K, Ca, Mg, S by CRC ICPMS (diss.)	ICP	8946053	N/A	2023/09/27	Automated Statchk
Elements by ICPMS Low Level (dissolved)	ICP/MS	8966410	N/A	2023/10/05	Andrew An
Na, K, Ca, Mg, S by CRC ICPMS (total)	ICP	8946052	N/A	2023/10/04	Automated Statchk
Elements by ICPMS Low Level (total)	ICP/MS	8958659	N/A	2023/10/03	Megan Mak
Silica (Reactive)	KONE	8964925	N/A	2023/09/28	Marjolen Busslinger
Total Phosphorus Low Level Total	KONE	8964926	2023/09/27	2023/09/28	Mary Anne Dela Cruz
Total Ammonia (as NH3)	CALC	8921650	N/A	2023/09/20	Automated Statchk
Ammonium as NH4+	CALC/NH3	8921651	N/A	2023/09/20	Automated Statchk
Total Ammonia-N	LACH/NH4	8924671	N/A	2023/09/20	Shivani Shivani
Nitrate & Nitrite as Nitrogen in Water	LACH	8922183	N/A	2023/09/18	Chandra Nandlal
pH	AT	8922210	2023/09/16	2023/09/18	Surinder Rai
Field Measured pH	PH	ONSITE	N/A	2023/09/15	Harmanpreet Kaur
Orthophosphate	KONE	8922198	N/A	2023/09/18	Alina Dobreanu
Redox Potential	COND	8922291	2023/09/16	2023/09/19	Gurpartee Kaur
Sodium Adsorption Ratio (SAR)	CALC/MET	8921653	N/A	2023/09/21	Automated Statchk
Total Dissolved Solids (TDS calc)	CALC	8921659	N/A	2023/10/11	Automated Statchk
Total Dissolved Solids	BAL	8921712	2023/09/18	2023/09/19	Razieh Tabesh
Field Measured pH	PH	ONSITE	N/A	2023/09/15	Harmanpreet Kaur
Total Kjeldahl Nitrogen in Water	SKAL	8923328	2023/09/18	2023/09/20	Rajni Tyagi
Total Organic Carbon (TOC)	TOCV/NDIR	8923341	N/A	2023/09/21	Gyulshen Idriz
Low Level Total Suspended Solids	BAL	8921703	2023/09/18	2023/09/18	Darshan Patel
Turbidity	AT	8922236	N/A	2023/09/16	Leily Karimi
Un-ionized Ammonia (as N)	CALC	8921581	2023/09/20	2023/09/20	Automated Statchk

Bureau Veritas ID: WZR819
Sample ID: MW-IPD-01(s)a
Matrix: Water

Collected: 2023/09/10
Shipped:
Received: 2023/09/14

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
Alkalinity	AT	8922224	N/A	2023/09/18	Surinder Rai



BUREAU
VERITAS

Bureau Veritas Job #: C3S4520
Report Date: 2023/10/11

Agnico Eagle
Your P.O. #: 1248940
Sampler Initials: TD

TEST SUMMARY

Bureau Veritas ID: WZR819
Sample ID: MW-IPD-01(s)a
Matrix: Water

Collected: 2023/09/10
Shipped:
Received: 2023/09/14

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
Carbonate, Bicarbonate and Hydroxide	CALC	8921579	N/A	2023/09/19	Automated Statchk
Anions	IC	8922232	N/A	2023/09/18	Lusine Khachatryan
Chloride by Automated Colourimetry	KONE	8922239	N/A	2023/09/18	Samuel Law
Conductivity	AT	8922227	N/A	2023/09/18	Surinder Rai
Dissolved Organic Carbon (DOC)	TOCV/NDIR	8922124	N/A	2023/09/19	Gyulshen Idriz
Fluoride	ISE	8922226	2023/09/16	2023/09/18	Surinder Rai
Dissolved Mercury (low level)	CV/AA	8924223	2023/09/18	2023/09/19	Japneet Gill
Mercury (low level)	CV/AA	8924078	2023/09/18	2023/09/19	Japneet Gill
Lab Filtered Metals Analysis by ICP	ICP	8926528	2023/09/19	2023/09/20	Suban Kanapathipplai
Low Level Chloride and Sulphate by AC	KONE	8940086	N/A	2023/09/25	Shanna McKort
Cyanide (Free)	SPEC	8940087	N/A	2023/09/22	Amy Phan
Cyanide, Strong Acid Dissociable (SAD)	TECH/UVVS	8964927	2023/09/20	2023/09/20	Ming Dong
Cyanide WAD (weak acid dissociable)	TECH	8964928	N/A	2023/09/20	Ming Dong
Hardness Total (calculated as CaCO3)	CALC	8943099	N/A	2023/10/04	Automated Statchk
Na, K, Ca, Mg, S by CRC ICPMS (diss.)	ICP	8946053	N/A	2023/09/27	Automated Statchk
Elements by ICPMS Low Level (dissolved)	ICP/MS	8966410	N/A	2023/10/05	Andrew An
Na, K, Ca, Mg, S by CRC ICPMS (total)	ICP	8946052	N/A	2023/10/04	Automated Statchk
Elements by ICPMS Low Level (total)	ICP/MS	8958659	N/A	2023/10/03	Megan Mak
Silica (Reactive)	KONE	8964925	N/A	2023/09/28	Marjolen Busslinger
Total Phosphorus Low Level Total	KONE	8964926	2023/09/27	2023/09/28	Mary Anne Dela Cruz
Total Ammonia (as NH3)	CALC	8921650	N/A	2023/09/20	Automated Statchk
Ammonium as NH4+	CALC/NH3	8921651	N/A	2023/09/20	Automated Statchk
Total Ammonia-N	LACH/NH4	8924671	N/A	2023/09/20	Shivani Shivani
Nitrate & Nitrite as Nitrogen in Water	LACH	8922234	N/A	2023/09/18	Chandra Nandlal
pH	AT	8922228	2023/09/16	2023/09/18	Surinder Rai
Field Measured pH	PH	ONSITE	N/A	2023/09/15	Harmanpreet Kaur
Orthophosphate	KONE	8922241	N/A	2023/09/18	Samuel Law
Redox Potential	COND	8922291	2023/09/16	2023/09/19	Gurpartee Kaur
Sodium Adsorption Ratio (SAR)	CALC/MET	8921653	N/A	2023/09/21	Automated Statchk
Total Dissolved Solids (TDS calc)	CALC	8921659	N/A	2023/10/11	Automated Statchk
Total Dissolved Solids	BAL	8921712	2023/09/18	2023/09/19	Razieh Tabesh
Field Measured pH	PH	ONSITE	N/A	2023/09/15	Harmanpreet Kaur
Total Kjeldahl Nitrogen in Water	SKAL	8923328	2023/09/18	2023/09/20	Rajni Tyagi
Total Organic Carbon (TOC)	TOCV/NDIR	8923341	N/A	2023/09/21	Gyulshen Idriz
Low Level Total Suspended Solids	BAL	8921804	2023/09/19	2023/09/20	Razieh Tabesh
Turbidity	AT	8922236	N/A	2023/09/16	Leily Karimi
Un-ionized Ammonia (as N)	CALC	8921581	2023/09/20	2023/09/20	Automated Statchk

Bureau Veritas ID: WZR819 Dup
Sample ID: MW-IPD-01(s)a
Matrix: Water

Collected: 2023/09/10
Shipped:
Received: 2023/09/14

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
Alkalinity	AT	8922224	N/A	2023/09/18	Surinder Rai
Conductivity	AT	8922227	N/A	2023/09/18	Surinder Rai



BUREAU
VERITAS

Bureau Veritas Job #: C3S4520
Report Date: 2023/10/11

Agnico Eagle
Your P.O. #: 1248940
Sampler Initials: TD

TEST SUMMARY

Bureau Veritas ID: WZR819 Dup
Sample ID: MW-IPD-01(s)a
Matrix: Water

Collected: 2023/09/10
Shipped:
Received: 2023/09/14

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
Fluoride	ISE	8922226	2023/09/16	2023/09/18	Surinder Rai
pH	AT	8922228	2023/09/16	2023/09/18	Surinder Rai
Low Level Total Suspended Solids	BAL	8921804	2023/09/19	2023/09/20	Razieh Tabesh

Bureau Veritas ID: WZR820
Sample ID: MW-IPD-01(s)b
Matrix: Water

Collected: 2023/09/10
Shipped:
Received: 2023/09/14

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
Alkalinity	AT	8922213	N/A	2023/09/18	Surinder Rai
Carbonate, Bicarbonate and Hydroxide	CALC	8921579	N/A	2023/09/19	Automated Statchk
Anions	IC	8922232	N/A	2023/09/18	Lusine Khachatryan
Chloride by Automated Colourimetry	KONE	8922239	N/A	2023/09/18	Samuel Law
Conductivity	AT	8922214	N/A	2023/09/18	Surinder Rai
Dissolved Organic Carbon (DOC)	TOCV/NDIR	8922124	N/A	2023/09/19	Gyulshen Idriz
Fluoride	ISE	8922215	2023/09/16	2023/09/18	Surinder Rai
Dissolved Mercury (low level)	CV/AA	8924223	2023/09/18	2023/09/19	Japneet Gill
Mercury (low level)	CV/AA	8924078	2023/09/18	2023/09/19	Japneet Gill
Lab Filtered Metals Analysis by ICP	ICP	8926528	2023/09/19	2023/09/20	Suban Kanapathipplai
Low Level Chloride and Sulphate by AC	KONE	8940086	N/A	2023/09/25	Shanna McKort
Cyanide (Free)	SPEC	8940087	N/A	2023/09/22	Amy Phan
Cyanide, Strong Acid Dissociable (SAD)	TECH/UVVS	8940088	2023/09/20	2023/09/20	Ming Dong
Cyanide WAD (weak acid dissociable)	TECH	8940089	N/A	2023/09/20	Ming Dong
Hardness Total (calculated as CaCO3)	CALC	8943099	N/A	2023/10/04	Automated Statchk
Na, K, Ca, Mg, S by CRC ICPMS (diss.)	ICP	8946053	N/A	2023/09/27	Automated Statchk
Elements by ICPMS Low Level (dissolved)	ICP/MS	8966410	N/A	2023/10/05	Andrew An
Na, K, Ca, Mg, S by CRC ICPMS (total)	ICP	8946052	N/A	2023/10/04	Automated Statchk
Elements by ICPMS Low Level (total)	ICP/MS	8958659	N/A	2023/10/03	Megan Mak
Silica (Reactive)	KONE	8964925	N/A	2023/09/28	Marjolen Busslinger
Total Phosphorus Low Level Total	KONE	8964926	2023/09/27	2023/09/28	Mary Anne Dela Cruz
Total Ammonia (as NH3)	CALC	8921650	N/A	2023/09/20	Automated Statchk
Ammonium as NH4+	CALC/NH3	8921651	N/A	2023/09/20	Automated Statchk
Total Ammonia-N	LACH/NH4	8924671	N/A	2023/09/20	Shivani Shivani
Nitrate & Nitrite as Nitrogen in Water	LACH	8922234	N/A	2023/09/18	Chandra Nandlal
pH	AT	8922210	2023/09/16	2023/09/18	Surinder Rai
Field Measured pH	PH	ONSITE	N/A	2023/09/15	Harmanpreet Kaur
Orthophosphate	KONE	8922241	N/A	2023/09/18	Samuel Law
Redox Potential	COND	8922291	2023/09/16	2023/09/19	Gurpartee Kaur
Sodium Adsorption Ratio (SAR)	CALC/MET	8921653	N/A	2023/09/21	Automated Statchk
Total Dissolved Solids (TDS calc)	CALC	8921659	N/A	2023/10/11	Automated Statchk
Total Dissolved Solids	BAL	8921712	2023/09/18	2023/09/19	Razieh Tabesh
Field Measured pH	PH	ONSITE	N/A	2023/09/15	Harmanpreet Kaur
Total Kjeldahl Nitrogen in Water	SKAL	8923328	2023/09/18	2023/09/20	Rajni Tyagi
Total Organic Carbon (TOC)	TOCV/NDIR	8923341	N/A	2023/09/21	Gyulshen Idriz
Low Level Total Suspended Solids	BAL	8921703	2023/09/18	2023/09/18	Darshan Patel



BUREAU
VERITAS

Bureau Veritas Job #: C3S4520
Report Date: 2023/10/11

Agnico Eagle
Your P.O. #: 1248940
Sampler Initials: TD

TEST SUMMARY

Bureau Veritas ID: WZR820
Sample ID: MW-IPD-01(s)b
Matrix: Water

Collected: 2023/09/10
Shipped:
Received: 2023/09/14

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
Turbidity	AT	8922236	N/A	2023/09/16	Leily Karimi
Un-ionized Ammonia (as N)	CALC	8921581	2023/09/20	2023/09/20	Automated Statchk

Bureau Veritas ID: WZR820 Dup
Sample ID: MW-IPD-01(s)b
Matrix: Water

Collected: 2023/09/10
Shipped:
Received: 2023/09/14

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
Chloride by Automated Colourimetry	KONE	8922239	N/A	2023/09/18	Samuel Law
Dissolved Organic Carbon (DOC)	TOCV/NDIR	8922124	N/A	2023/09/19	Gyulshen Idriz
Mercury (low level)	CV/AA	8924078	2023/09/18	2023/09/19	Japneet Gill
Orthophosphate	KONE	8922241	N/A	2023/09/18	Samuel Law

Bureau Veritas ID: WZR821
Sample ID: MW-IPD-01-FB
Matrix: Water

Collected: 2023/09/10
Shipped:
Received: 2023/09/14

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
Alkalinity	AT	8922213	N/A	2023/09/18	Surinder Rai
Carbonate, Bicarbonate and Hydroxide	CALC	8921579	N/A	2023/09/19	Automated Statchk
Anions	IC	8922232	N/A	2023/09/18	Lusine Khachatryan
Chloride by Automated Colourimetry	KONE	8922196	N/A	2023/09/18	Alina Dobreanu
Conductivity	AT	8922214	N/A	2023/09/18	Surinder Rai
Dissolved Organic Carbon (DOC)	TOCV/NDIR	8922124	N/A	2023/09/19	Gyulshen Idriz
Fluoride	ISE	8922215	2023/09/16	2023/09/18	Surinder Rai
Dissolved Mercury (low level)	CV/AA	8924223	2023/09/18	2023/09/19	Japneet Gill
Mercury (low level)	CV/AA	8924078	2023/09/18	2023/09/19	Japneet Gill
Lab Filtered Metals Analysis by ICP	ICP	8926528	2023/09/19	2023/09/20	Suban Kanapathipplai
Low Level Chloride and Sulphate by AC	KONE	8940086	N/A	2023/09/25	Shanna McKort
Cyanide (Free)	SPEC	8940087	N/A	2023/09/22	Amy Phan
Cyanide, Strong Acid Dissociable (SAD)	TECH/UVVS	8964927	2023/09/20	2023/09/20	Ming Dong
Cyanide WAD (weak acid dissociable)	TECH	8964928	N/A	2023/09/20	Ming Dong
Hardness Total (calculated as CaCO3)	CALC	8943099	N/A	2023/10/03	Automated Statchk
Na, K, Ca, Mg, S by CRC ICPMS (diss.)	ICP	8946053	N/A	2023/09/27	Automated Statchk
Elements by ICPMS Low Level (dissolved)	ICP/MS	8966409	N/A	2023/09/27	Andrew An
Na, K, Ca, Mg, S by CRC ICPMS (total)	ICP	8946052	N/A	2023/10/03	Automated Statchk
Elements by ICPMS Low Level (total)	ICP/MS	8958659	N/A	2023/10/03	Megan Mak
Silica (Reactive)	KONE	8949425	N/A	2023/09/28	Marjolen Busslinger
Total Phosphorus Low Level Total	KONE	8943013	2023/09/26	2023/09/26	Mary Anne Dela Cruz
Total Ammonia (as NH3)	CALC	8921650	N/A	2023/09/20	Automated Statchk
Total Ammonia-N	LACH/NH4	8924671	N/A	2023/09/20	Shivani Shivani
Nitrate & Nitrite as Nitrogen in Water	LACH	8922183	N/A	2023/09/18	Chandra Nandlal
pH	AT	8922210	2023/09/16	2023/09/18	Surinder Rai
Orthophosphate	KONE	8922198	N/A	2023/09/18	Alina Dobreanu
Redox Potential	COND	8922291	2023/09/16	2023/09/19	Gurpartee Kaur



BUREAU
VERITAS

Bureau Veritas Job #: C3S4520
Report Date: 2023/10/11

Agnico Eagle
Your P.O. #: 1248940
Sampler Initials: TD

TEST SUMMARY

Bureau Veritas ID: WZR821
Sample ID: MW-IPD-01-FB
Matrix: Water

Collected: 2023/09/10
Shipped:
Received: 2023/09/14

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
Sodium Adsorption Ratio (SAR)	CALC/MET	8921653	N/A	2023/09/21	Automated Statchk
Total Dissolved Solids (TDS calc)	CALC	8921659	N/A	2023/10/11	Automated Statchk
Total Dissolved Solids	BAL	8921712	2023/09/18	2023/09/19	Razieh Tabesh
Total Kjeldahl Nitrogen in Water	SKAL	8923328	2023/09/18	2023/09/20	Rajni Tyagi
Total Organic Carbon (TOC)	TOCV/NDIR	8923341	N/A	2023/09/21	Gyulshen Idriz
Low Level Total Suspended Solids	BAL	8921703	2023/09/18	2023/09/18	Darshan Patel
Turbidity	AT	8922236	N/A	2023/09/16	Leily Karimi

Bureau Veritas ID: WZR821 Dup
Sample ID: MW-IPD-01-FB
Matrix: Water

Collected: 2023/09/10
Shipped:
Received: 2023/09/14

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
Elements by ICPMS Low Level (total)	ICP/MS	8958659	N/A	2023/10/03	Megan Mak
Silica (Reactive)	KONE	8949425	N/A	2023/09/28	Marjolen Busslinger

Bureau Veritas ID: WZR822
Sample ID: MW-IPD-01-TB
Matrix: Water

Collected: 2023/09/10
Shipped:
Received: 2023/09/14

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
Alkalinity	AT	8922213	N/A	2023/09/18	Surinder Rai
Carbonate, Bicarbonate and Hydroxide	CALC	8921579	N/A	2023/09/19	Automated Statchk
Anions	IC	8922232	N/A	2023/09/18	Lusine Khachatryan
Chloride by Automated Colourimetry	KONE	8922196	N/A	2023/09/18	Alina Dobreanu
Conductivity	AT	8922214	N/A	2023/09/18	Surinder Rai
Dissolved Organic Carbon (DOC)	TOCV/NDIR	8922124	N/A	2023/09/19	Gyulshen Idriz
Fluoride	ISE	8922215	2023/09/16	2023/09/18	Surinder Rai
Dissolved Mercury (low level)	CV/AA	8924223	2023/09/18	2023/09/19	Japneet Gill
Mercury (low level)	CV/AA	8924078	2023/09/18	2023/09/19	Japneet Gill
Lab Filtered Metals Analysis by ICP	ICP	8926550	2023/09/19	2023/09/20	Suban Kanapathipplai
Low Level Chloride and Sulphate by AC	KONE	8940086	N/A	2023/09/25	Shanna McKort
Cyanide (Free)	SPEC	8940087	N/A	2023/09/22	Amy Phan
Cyanide, Strong Acid Dissociable (SAD)	TECH/UVVS	8964929	2023/10/04	2023/10/04	Ming Dong
Cyanide WAD (weak acid dissociable)	TECH	8964930	N/A	2023/10/04	Ming Dong
Hardness Total (calculated as CaCO3)	CALC	8940308	N/A	2023/10/04	Automated Statchk
Na, K, Ca, Mg, S by CRC ICPMS (diss.)	ICP	8966416	N/A	2023/09/27	Automated Statchk
Elements by ICPMS Low Level (dissolved)	ICP/MS	8966409	N/A	2023/09/27	Andrew An
Na, K, Ca, Mg, S by CRC ICPMS (total)	ICP	8966414	N/A	2023/10/04	Automated Statchk
Elements by ICPMS Low Level (total)	ICP/MS	8958659	N/A	2023/10/03	Megan Mak
Silica (Reactive)	KONE	8964925	N/A	2023/09/28	Marjolen Busslinger
Total Phosphorus Low Level Total	KONE	8943328	2023/09/24	2023/09/25	Mary Anne Dela Cruz
Total Ammonia (as NH3)	CALC	8925881	N/A	2023/09/22	Automated Statchk
Total Ammonia-N	LACH/NH4	8928873	N/A	2023/09/21	Shivani Shivani
Nitrate & Nitrite as Nitrogen in Water	LACH	8922183	N/A	2023/09/18	Chandra Nandlal



BUREAU
VERITAS

Bureau Veritas Job #: C3S4520
Report Date: 2023/10/11

Agnico Eagle
Your P.O. #: 1248940
Sampler Initials: TD

TEST SUMMARY

Bureau Veritas ID: WZR822
Sample ID: MW-IPD-01-TB
Matrix: Water

Collected: 2023/09/10
Shipped:
Received: 2023/09/14

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
pH	AT	8922210	2023/09/16	2023/09/18	Surinder Rai
Orthophosphate	KONE	8922198	N/A	2023/09/18	Alina Dobreanu
Redox Potential	COND	8922291	2023/09/16	2023/09/19	Gurparteek KAUR
Sodium Adsorption Ratio (SAR)	CALC/MET	8921653	N/A	2023/09/21	Automated Statchk
Total Dissolved Solids (TDS calc)	CALC	8921659	N/A	2023/10/11	Automated Statchk
Total Dissolved Solids	BAL	8921712	2023/09/18	2023/09/19	Razieh Tabesh
Total Kjeldahl Nitrogen in Water	SKAL	8923328	2023/09/18	2023/09/20	Rajni Tyagi
Total Organic Carbon (TOC)	TOCV/NDIR	8923341	N/A	2023/09/21	Gyulshen Idriz
Low Level Total Suspended Solids	BAL	8921703	2023/09/18	2023/09/18	Darshan Patel
Turbidity	AT	8922236	N/A	2023/09/16	Leily Karimi



GENERAL COMMENTS

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

Package 1	14.0°C
-----------	--------

Samples received past holding time for Turbidity and Redox potential analysis.

TSS/TDS Analysis: Analysis was performed past sample holding time. This may increase the variability associated with these results.WS#8921703, WS#8921712, WS#8921804

Sample WZR817 [MW-IPD-01(d)a] : TOC< DOC: Both values fall within the method uncertainty for duplicates and are likely equivalent.

Sample WZR820 [MW-IPD-01(s)b] : Total Phosphorus < ortho-Phosphate: Both values fall within the method uncertainty for duplicates and are likely equivalent.

Sample WZR821 [MW-IPD-01-FB] : SAR Analysis: NC = Not Calculable as Calcium and Magnesium were not detected.

Sample WZR822 [MW-IPD-01-TB] : SAR Analysis: NC = Not Calculable as Calcium and Magnesium were not detected. Sample was analyzed past method specified hold time for Cyanide (total). Exceedance of hold time increases the uncertainty of test results but does not necessarily imply that results are compromised. Sample was analyzed past method specified hold time for Cyanide WAD (weak acid dissociable).

- Sample WZR815, Elements by ICPMS Low Level (dissolved): Test repeated.
- Sample WZR817, Elements by ICPMS Low Level (dissolved): Test repeated.
- Sample WZR818, Elements by ICPMS Low Level (dissolved): Test repeated.
- Sample WZR819, Elements by ICPMS Low Level (dissolved): Test repeated.
- Sample WZR820, Elements by ICPMS Low Level (dissolved): Test repeated.

Results relate only to the items tested.



BUREAU
VERITAS

Bureau Veritas Job #: C3S4520

Report Date: 2023/10/11

QUALITY ASSURANCE REPORT

Agnico Eagle

Your P.O. #: 1248940

Sampler Initials: TD

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
8921703	Total Suspended Solids	2023/09/18			97	85 - 115	<1	mg/L	NC	20		
8921712	Total Dissolved Solids	2023/09/19			95	90 - 110	<10	mg/L	1.1	20		
8921804	Total Suspended Solids	2023/09/20			101	85 - 115	<1	mg/L	NC	20		
8921839	Dissolved Organic Carbon	2023/09/18	96	80 - 120	97	80 - 120	<0.40	mg/L	0.82	20		
8922124	Dissolved Organic Carbon	2023/09/19	95	80 - 120	97	80 - 120	<0.40	mg/L	3.2	20		
8922183	Nitrate (N)	2023/09/18	102	80 - 120	98	80 - 120	<0.10	mg/L	0.37	20		
8922183	Nitrite (N)	2023/09/18	100	80 - 120	103	80 - 120	<0.010	mg/L	0.026	20		
8922196	Dissolved Chloride (Cl-)	2023/09/18	NC	80 - 120	93	80 - 120	<1.0	mg/L	1.3	20		
8922198	Orthophosphate (P)	2023/09/18	99	75 - 125	96	80 - 120	<0.010	mg/L	NC	20		
8922210	pH	2023/09/18			102	98 - 103			0.26	N/A		
8922213	Alkalinity (Total as CaCO3)	2023/09/18			96	85 - 115	<1.0	mg/L	0.59	20		
8922214	Conductivity	2023/09/18			101	85 - 115	<1.0	umho/cm	0	10		
8922215	Fluoride (F-)	2023/09/18	91	80 - 120	98	80 - 120	<0.10	mg/L	0	20		
8922224	Alkalinity (Total as CaCO3)	2023/09/18			96	85 - 115	<1.0	mg/L	0.91	20		
8922226	Fluoride (F-)	2023/09/18			100	80 - 120	<0.10	mg/L	1.5	20		
8922227	Conductivity	2023/09/18			101	85 - 115	<1.0	umho/cm	0.36	10		
8922228	pH	2023/09/18			102	98 - 103			0.38	N/A		
8922232	Dissolved Bromide (Br-)	2023/09/18	105	80 - 120	104	80 - 120	<1.0	mg/L	NC	20		
8922234	Nitrate (N)	2023/09/18	103	80 - 120	100	80 - 120	<0.10	mg/L	8.2	20		
8922234	Nitrite (N)	2023/09/18	91	80 - 120	104	80 - 120	<0.010	mg/L	NC	20		
8922236	Turbidity	2023/09/16			100	80 - 120	<0.1	NTU	0.41	20		
8922239	Dissolved Chloride (Cl-)	2023/09/18	95	80 - 120	94	80 - 120	<1.0	mg/L	NC	20		
8922241	Orthophosphate (P)	2023/09/18	96	75 - 125	94	80 - 120	<0.010	mg/L	5.5	20		
8922291	Redox Potential	2023/09/19			101	95 - 105			8.5	20		
8923328	Total Kjeldahl Nitrogen (TKN)	2023/09/20	101	80 - 120	96	80 - 120	<0.10	mg/L	NC	20	95	80 - 120
8923341	Total Organic Carbon (TOC)	2023/09/21	95	80 - 120	97	80 - 120	<0.40	mg/L	0.63	20		
8924078	Mercury (Hg)	2023/09/19	99	75 - 125	97	80 - 120	<0.00001	mg/L	NC	20		
8924223	Dissolved Mercury (Hg)	2023/09/19	101	75 - 125	96	80 - 120	<0.00001	mg/L	NC	20		
8924355	Mercury (Hg)	2023/09/19	97	75 - 125	98	80 - 120	<0.00001	mg/L	NC	20		



BUREAU
VERITAS

Bureau Veritas Job #: C3S4520

Report Date: 2023/10/11

QUALITY ASSURANCE REPORT(CONT'D)

Agnico Eagle

Your P.O. #: 1248940

Sampler Initials: TD

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
8924671	Total Ammonia-N	2023/09/20	102	75 - 125	100	80 - 120	<0.050	mg/L	20	20		
8926528	Dissolved Calcium (Ca)	2023/09/20	NC	80 - 120	99	80 - 120	<0.05	mg/L	7.1	25		
8926528	Dissolved Magnesium (Mg)	2023/09/20	NC	80 - 120	98	80 - 120	<0.05	mg/L	3.9	25		
8926528	Dissolved Potassium (K)	2023/09/20	NC	80 - 120	99	80 - 120	<1	mg/L	6.0	25		
8926528	Dissolved Sodium (Na)	2023/09/20	NC	80 - 120	101	80 - 120	<0.5	mg/L	6.3	25		
8926550	Dissolved Calcium (Ca)	2023/09/20	NC	80 - 120	102	80 - 120	<0.05	mg/L				
8926550	Dissolved Magnesium (Mg)	2023/09/20	NC	80 - 120	101	80 - 120	<0.05	mg/L				
8926550	Dissolved Potassium (K)	2023/09/20	NC	80 - 120	101	80 - 120	<1	mg/L	3.2	25		
8926550	Dissolved Sodium (Na)	2023/09/20	NC	80 - 120	105	80 - 120	<0.5	mg/L	1.3	25		
8928873	Total Ammonia-N	2023/09/21	93	75 - 125	99	80 - 120	<0.050	mg/L	0.38	20		
8940086	Dissolved Sulphate (SO4)	2023/09/25	100	80 - 120	105	80 - 120	<0.50	mg/L	NC	20		
8940087	Free Cyanide (CN)	2023/09/22	84	80 - 120	91	80 - 120	<2.0	ug/L				
8940088	Strong Acid Dissoc. Cyanide (CN)	2023/09/20	100	80 - 120	104	80 - 120	<0.00050	mg/L				
8940089	Weak Acid Dissoc. Cyanide (CN)	2023/09/20	103	80 - 120	101	80 - 120	<0.00050	mg/L				
8943013	Total Phosphorus (P)	2023/09/26	110	80 - 120	102	80 - 120	<0.0010	mg/L			93	80 - 120
8943328	Total Phosphorus (P)	2023/09/25	107	80 - 120	96	80 - 120	<0.0010	mg/L	11	20	86	80 - 120
8949425	Reactive Silica (SiO2)	2023/09/28	99	80 - 120	101	80 - 120	<0.050	mg/L	NC	20		
8958659	Total Aluminum (Al)	2023/10/03	99	80 - 120	98	80 - 120	<0.50	ug/L	NC	20		
8958659	Total Antimony (Sb)	2023/10/03	103	80 - 120	100	80 - 120	<0.020	ug/L	NC	20		
8958659	Total Arsenic (As)	2023/10/03	102	80 - 120	98	80 - 120	<0.020	ug/L	NC	20		
8958659	Total Barium (Ba)	2023/10/03	100	80 - 120	96	80 - 120	<0.020	ug/L	NC	20		
8958659	Total Beryllium (Be)	2023/10/03	95	80 - 120	98	80 - 120	<0.010	ug/L	NC	20		
8958659	Total Bismuth (Bi)	2023/10/03	96	80 - 120	94	80 - 120	<0.0050	ug/L	NC	20		
8958659	Total Boron (B)	2023/10/03	119	80 - 120	119	80 - 120	<10	ug/L	NC	20		
8958659	Total Cadmium (Cd)	2023/10/03	101	80 - 120	97	80 - 120	<0.0050	ug/L	NC	20		
8958659	Total Chromium (Cr)	2023/10/03	100	80 - 120	97	80 - 120	<0.10	ug/L	NC	20		
8958659	Total Copper (Cu)	2023/10/03	98	80 - 120	95	80 - 120	<0.050	ug/L	NC	20		
8958659	Total Iron (Fe)	2023/10/03	103	80 - 120	100	80 - 120	<1.0	ug/L	NC	20		
8958659	Total Lead (Pb)	2023/10/03	99	80 - 120	96	80 - 120	<0.0050	ug/L	NC	20		
8958659	Total Lithium (Li)	2023/10/03	93	80 - 120	97	80 - 120	<0.50	ug/L	NC	20		
8958659	Total Manganese (Mn)	2023/10/03	98	80 - 120	96	80 - 120	<0.050	ug/L	NC	20		



BUREAU
VERITAS

Bureau Veritas Job #: C3S4520

Report Date: 2023/10/11

QUALITY ASSURANCE REPORT(CONT'D)

Agnico Eagle

Your P.O. #: 1248940

Sampler Initials: TD

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
8958659	Total Molybdenum (Mo)	2023/10/03	102	80 - 120	98	80 - 120	<0.050	ug/L	NC	20		
8958659	Total Nickel (Ni)	2023/10/03	100	80 - 120	95	80 - 120	<0.020	ug/L	NC	20		
8958659	Total Selenium (Se)	2023/10/03	104	80 - 120	101	80 - 120	<0.040	ug/L	NC	20		
8958659	Total Silver (Ag)	2023/10/03	99	80 - 120	96	80 - 120	<0.0050	ug/L	NC	20		
8958659	Total Strontium (Sr)	2023/10/03	97	80 - 120	95	80 - 120	<0.050	ug/L	NC	20		
8958659	Total Thallium (Tl)	2023/10/03	98	80 - 120	94	80 - 120	<0.0020	ug/L	NC	20		
8958659	Total Tin (Sn)	2023/10/03	101	80 - 120	96	80 - 120	<0.20	ug/L	NC	20		
8958659	Total Titanium (Ti)	2023/10/03	102	80 - 120	97	80 - 120	<0.50	ug/L	NC	20		
8958659	Total Uranium (U)	2023/10/03	92	80 - 120	90	80 - 120	<0.0020	ug/L	NC	20		
8958659	Total Vanadium (V)	2023/10/03	101	80 - 120	97	80 - 120	<0.20	ug/L	NC	20		
8958659	Total Zinc (Zn)	2023/10/03	101	80 - 120	98	80 - 120	<0.10	ug/L	8.6	20		
8964925	Reactive Silica (SiO2)	2023/09/28	93	80 - 120	101	80 - 120	<0.050	mg/L	0.30	20		
8964926	Total Phosphorus (P)	2023/09/28	102	80 - 120	89	80 - 120	<0.0010	mg/L			91	80 - 120
8964927	Strong Acid Dissoc. Cyanide (CN)	2023/09/20	95	80 - 120	102	80 - 120	<0.00050	mg/L				
8964928	Weak Acid Dissoc. Cyanide (CN)	2023/09/20	105	80 - 120	102	80 - 120	<0.00050	mg/L				
8964929	Strong Acid Dissoc. Cyanide (CN)	2023/10/04	61 (1)	80 - 120	102	80 - 120	<0.00050	mg/L				
8964930	Weak Acid Dissoc. Cyanide (CN)	2023/10/04	106	80 - 120	108	80 - 120	<0.00050	mg/L				
8966409	Dissolved Aluminum (Al)	2023/09/27	109	80 - 120	97	80 - 120	<0.50	ug/L				
8966409	Dissolved Antimony (Sb)	2023/09/27	108	80 - 120	100	80 - 120	<0.020	ug/L				
8966409	Dissolved Arsenic (As)	2023/09/27	110	80 - 120	99	80 - 120	<0.020	ug/L				
8966409	Dissolved Barium (Ba)	2023/09/27	108	80 - 120	99	80 - 120	<0.020	ug/L				
8966409	Dissolved Beryllium (Be)	2023/09/27	107	80 - 120	96	80 - 120	<0.010	ug/L				
8966409	Dissolved Bismuth (Bi)	2023/09/27	107	80 - 120	97	80 - 120	<0.0050	ug/L				
8966409	Dissolved Boron (B)	2023/09/27	NC	80 - 120	95	80 - 120	<10	ug/L				
8966409	Dissolved Cadmium (Cd)	2023/09/27	108	80 - 120	99	80 - 120	<0.0050	ug/L				
8966409	Dissolved Chromium (Cr)	2023/09/27	101	80 - 120	97	80 - 120	<0.10	ug/L				
8966409	Dissolved Copper (Cu)	2023/09/27	104	80 - 120	98	80 - 120	<0.050	ug/L				
8966409	Dissolved Iron (Fe)	2023/09/27	116	80 - 120	100	80 - 120	<1.0	ug/L				
8966409	Dissolved Lead (Pb)	2023/09/27	104	80 - 120	101	80 - 120	<0.0050	ug/L				
8966409	Dissolved Lithium (Li)	2023/09/27	104	80 - 120	98	80 - 120	<0.50	ug/L				
8966409	Dissolved Manganese (Mn)	2023/09/27	101	80 - 120	93	80 - 120	<0.050	ug/L				



BUREAU
VERITAS

Bureau Veritas Job #: C3S4520

Report Date: 2023/10/11

QUALITY ASSURANCE REPORT(CONT'D)

Agnico Eagle

Your P.O. #: 1248940

Sampler Initials: TD

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
8966409	Dissolved Molybdenum (Mo)	2023/09/27	112	80 - 120	100	80 - 120	<0.050	ug/L				
8966409	Dissolved Nickel (Ni)	2023/09/27	108	80 - 120	98	80 - 120	<0.020	ug/L				
8966409	Dissolved Selenium (Se)	2023/09/27	112	80 - 120	100	80 - 120	<0.040	ug/L				
8966409	Dissolved Silver (Ag)	2023/09/27	108	80 - 120	98	80 - 120	<0.0050	ug/L				
8966409	Dissolved Strontium (Sr)	2023/09/27	NC	80 - 120	99	80 - 120	<0.050	ug/L				
8966409	Dissolved Thallium (Tl)	2023/09/27	107	80 - 120	99	80 - 120	<0.0020	ug/L				
8966409	Dissolved Tin (Sn)	2023/09/27	108	80 - 120	103	80 - 120	<0.20	ug/L				
8966409	Dissolved Titanium (Ti)	2023/09/27	107	80 - 120	99	80 - 120	<0.50	ug/L				
8966409	Dissolved Uranium (U)	2023/09/27	113	80 - 120	101	80 - 120	<0.0020	ug/L				
8966409	Dissolved Vanadium (V)	2023/09/27	105	80 - 120	95	80 - 120	<0.20	ug/L				
8966409	Dissolved Zinc (Zn)	2023/09/27	110	80 - 120	100	80 - 120	<0.10	ug/L				
8966410	Dissolved Aluminum (Al)	2023/10/05			98	80 - 120	<0.50	ug/L				
8966410	Dissolved Copper (Cu)	2023/10/05			93	80 - 120	<0.050	ug/L				
8966410	Dissolved Lead (Pb)	2023/10/05			96	80 - 120	0.0076, RDL=0.0050 (2)	ug/L				
8966410	Dissolved Tin (Sn)	2023/10/05			97	80 - 120	<0.20	ug/L				
8966410	Dissolved Zinc (Zn)	2023/10/05			99	80 - 120	<0.10	ug/L				

N/A = Not Applicable

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

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

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

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

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

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

NC (Duplicate RPD): The duplicate RPD was not calculated. The concentration in the sample and/or duplicate was too low to permit a reliable RPD calculation (absolute difference <= 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 metals determination.



BUREAU
VERITAS

Bureau Veritas Job #: C3S4520
Report Date: 2023/10/11

Agnico Eagle
Your P.O. #: 1248940
Sampler Initials: TD

VALIDATION SIGNATURE PAGE

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

Anastassia Hamanov, Scientific Specialist

Cristina Carriere, Senior Scientific Specialist

David Huang, BBY Scientific Specialist

Ghayasuddin Khan, M.Sc., P.Chem., QP, Scientific Specialist, Inorganics

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



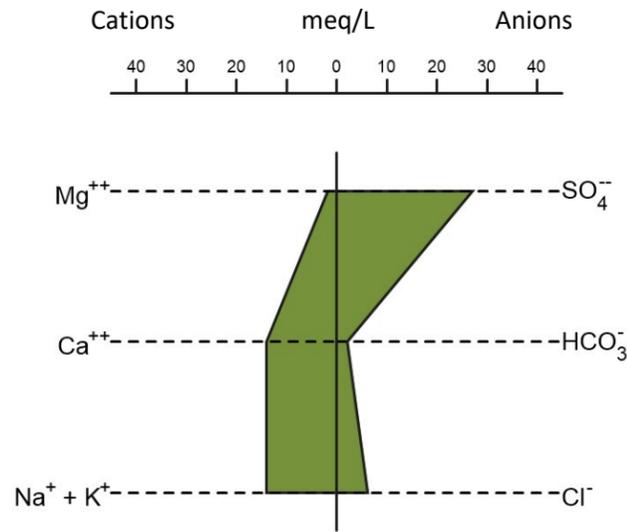
Bureau Veritas Proprietary Software
Logiciel Propriétaire de Bureau Veritas

Automated Statchk

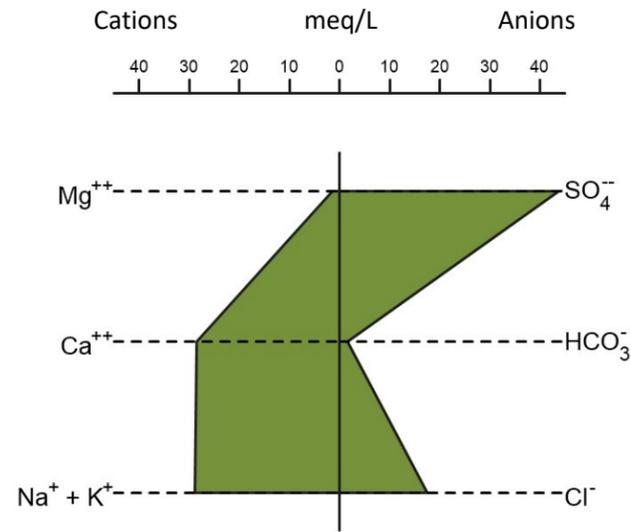
Bureau Veritas has procedures in place to guard against improper use of the electronic signature and have the required "signatories", as per ISO/IEC 17025, signing the reports. For Service Group specific validation, please refer to the Validation Signatures page if included, otherwise available by request. 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.

APPENDIX D

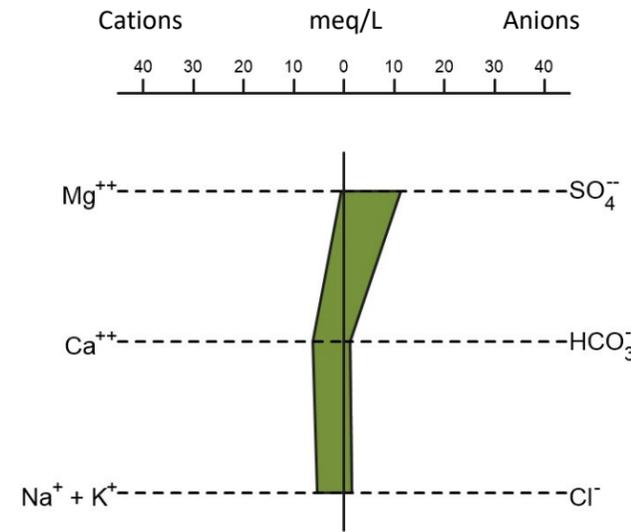
2023 Stiff Diagrams



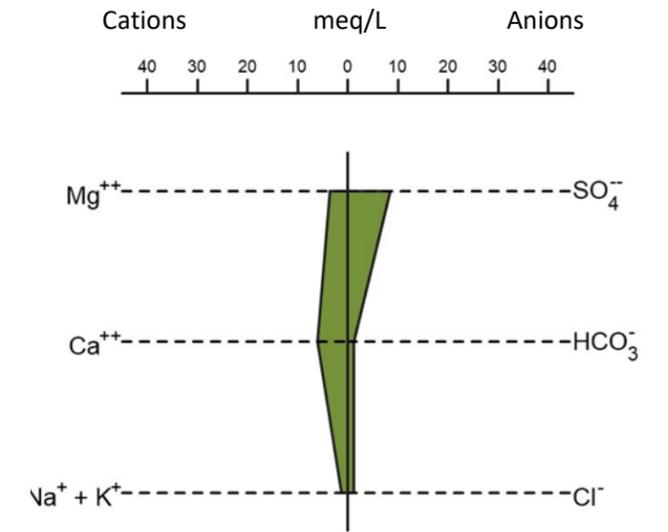
ST-17 - July 2023



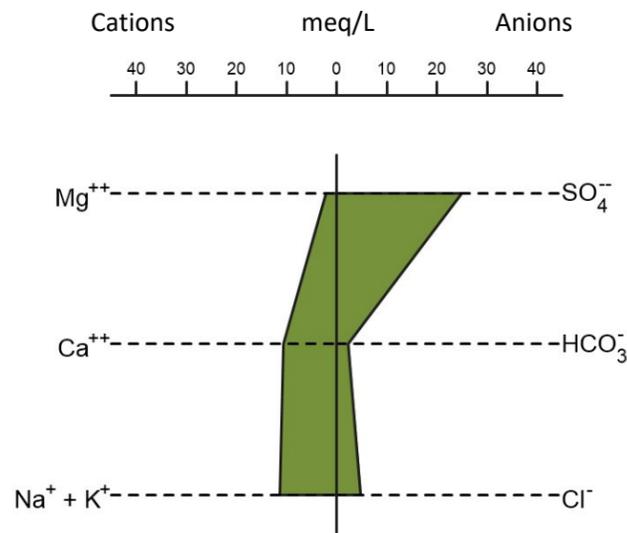
ST-19 - July 2023



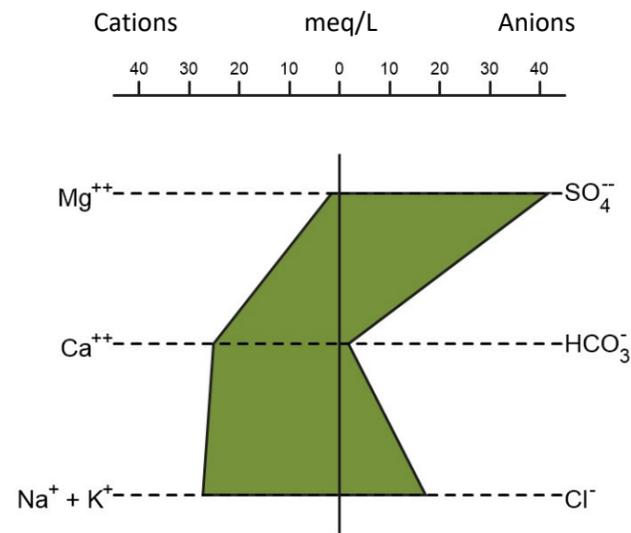
ST-20 - July 2023



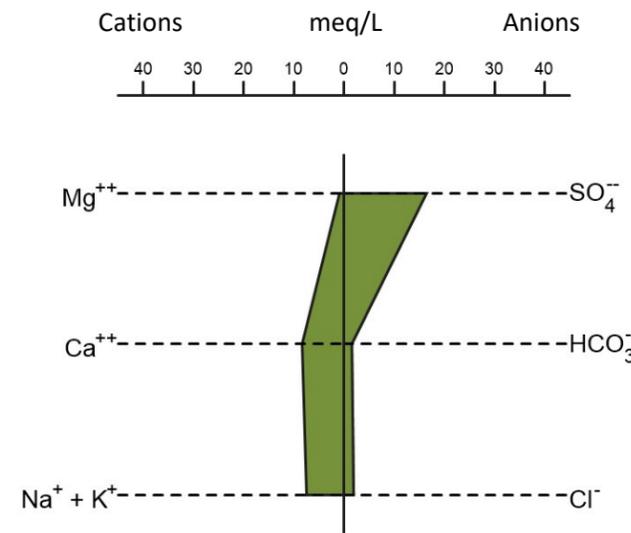
MBKLandfill - July 2023



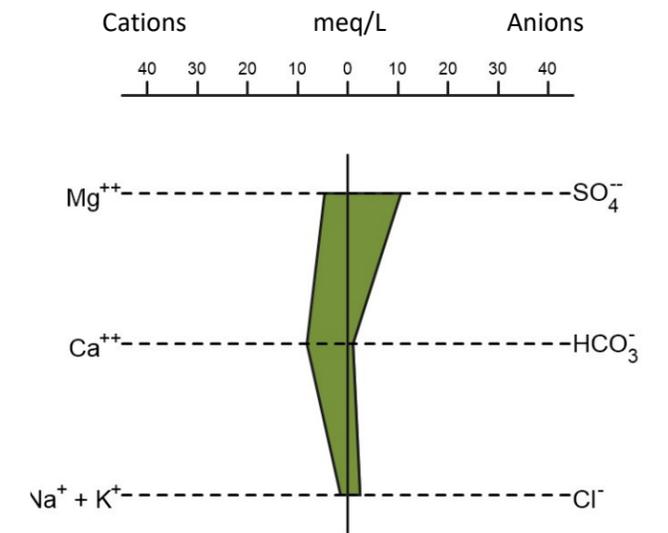
ST-17 - September 2023



ST-19 - September 2023



ST-20 - September 2023



MBKLandfill - September 2023

NOTES

1. Results shown for Agnico Eagle samples collected on July 23, 2023 and September 10, 2023 from ST-17, ST-19, ST-20 and MBK Landfill.
2. Dissolved concentrations of major ions (Ca, Mg, K and Na) plotted.

CLIENT
AGNICO EAGLE MINES LIMITED



PROJECT
2023 MEADOWBANK GROUNDWATER MONITORING PROGRAM
MEADOWBANK MINE
NUNAVUT

CONSULTANT



YYYY-MM-DD 2023-11-30

PREPARED YW
DESIGN YW
REVIEW BC
APPROVED CM

TITLE

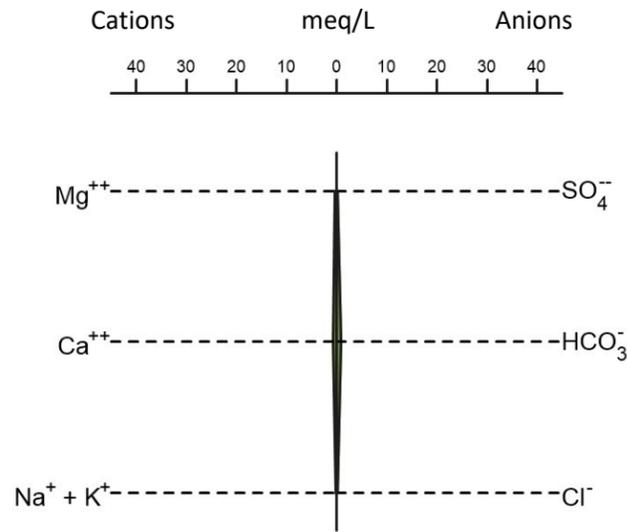
2023 STIFF DIAGRAMS - RECLAIM WATER SIGNATURE

PROJECT No. CA0007108.1008

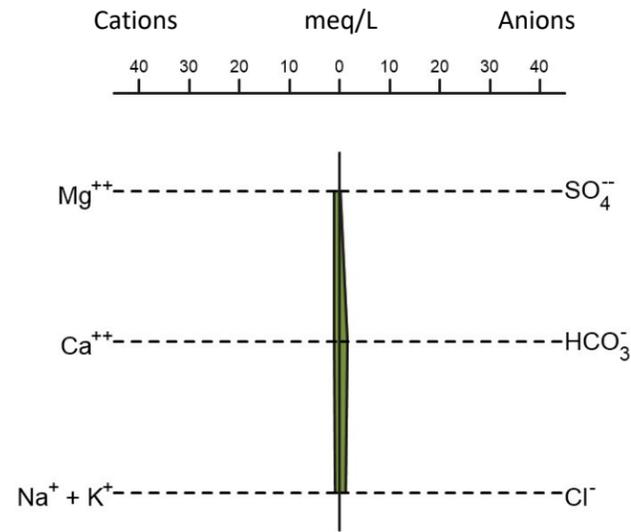
PHASE

Rev. 0

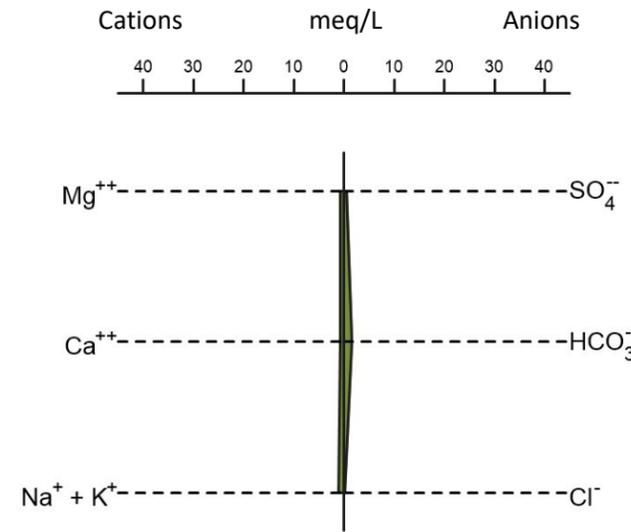
FIGURE D-1



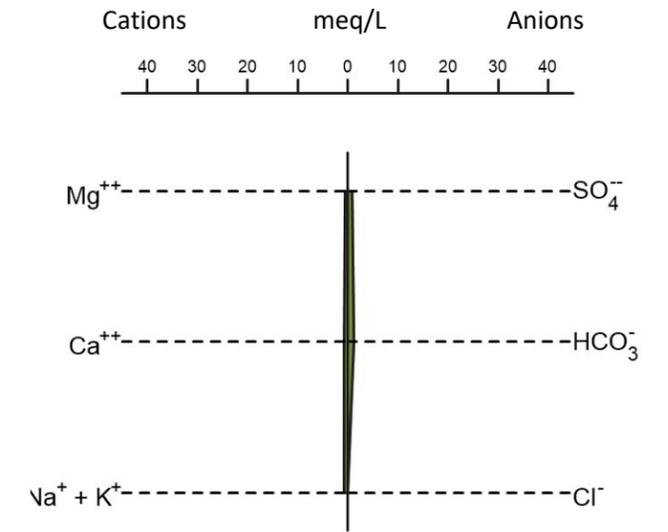
MW-IPD-01(s) - July 2023



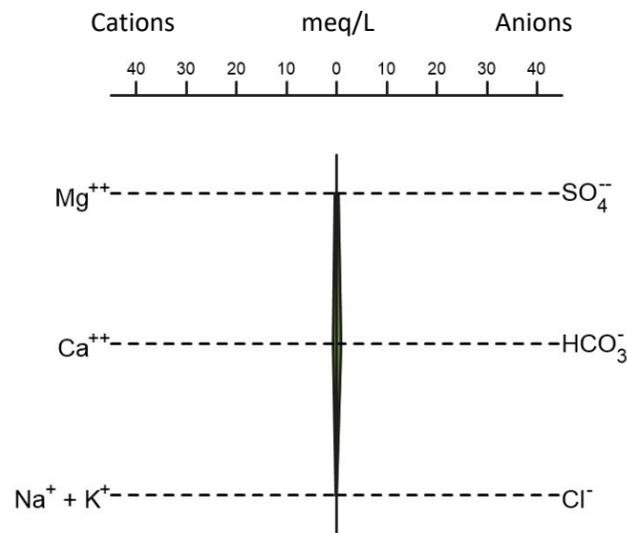
MW-IPD-01(d) - July 2023



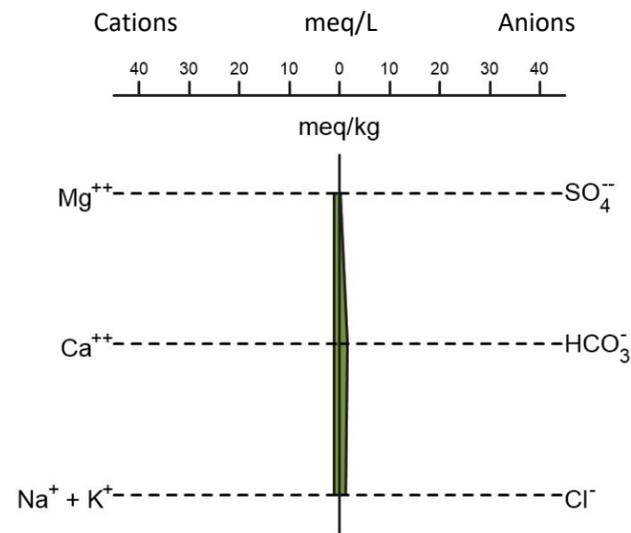
MW-IPD-07 - July 2023



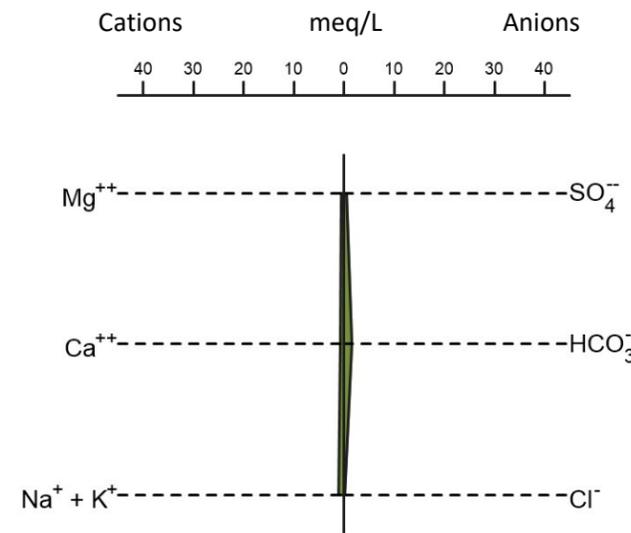
MW-IPD-09 - July 2023



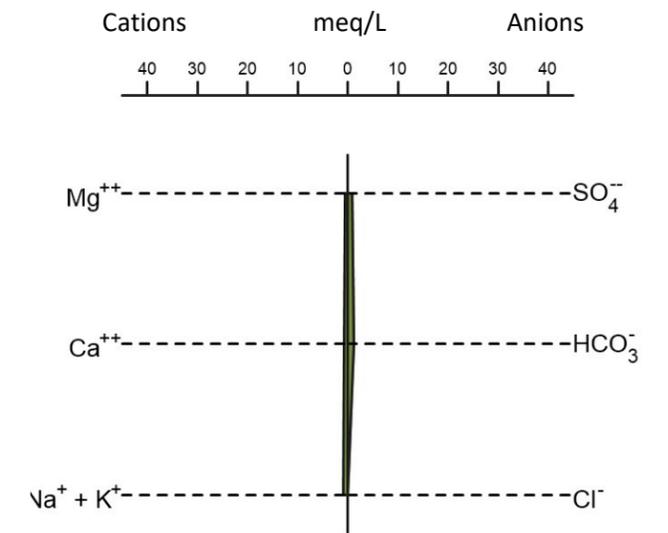
MW-IPD-01(s) - September 2023



MW-IPD-01(d) - September 2023



MW-IPD-07 - September 2023



MW-IPD-09 - September 2023

NOTES

1. Average (sample + duplicate) results plotted for samples collected by Agnico Eagle on July 23, 2023 and September 10 2023 from MW-IPD-01(s), MW-IPD-01(d), MW-IPD-07 and MW-IPD-09.
2. Dissolved concentrations of major ions (Ca, Mg, K and Na) plotted.

CLIENT
AGNICO EAGLE MINES LIMITED



PROJECT
2023 MEADOWBANK GROUNDWATER MONITORING PROGRAM
MEADOWBANK MINE
NUNAVUT

CONSULTANT

YYYY-MM-DD 2023-11-30

TITLE

2023 STIFF DIAGRAMS - NATURAL GROUNDWATER SIGNATURE



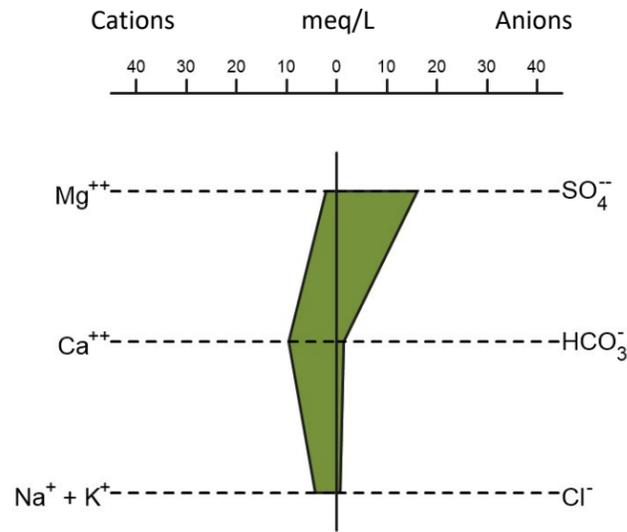
PREPARED YW
DESIGN YW
REVIEW BC
APPROVED CM

PROJECT No. CA0007108.1008

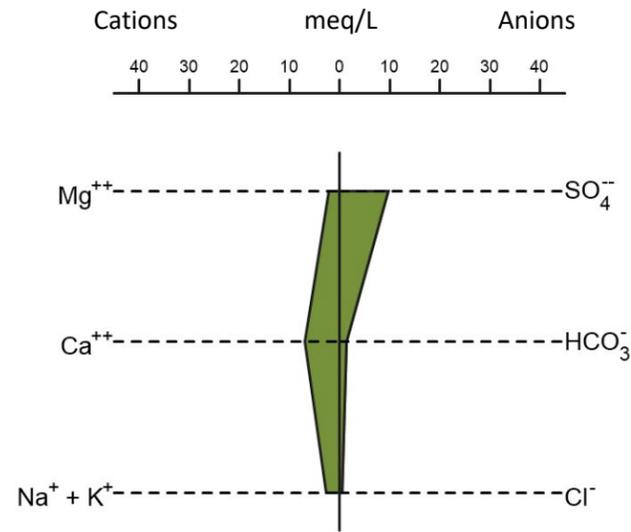
PHASE

Rev. 0

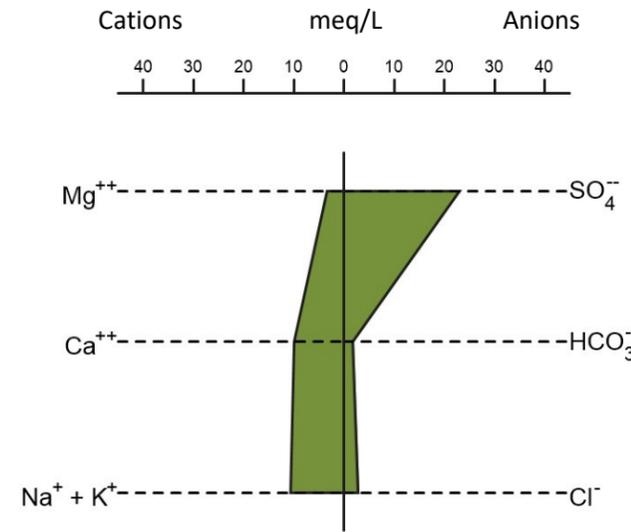
FIGURE D-2



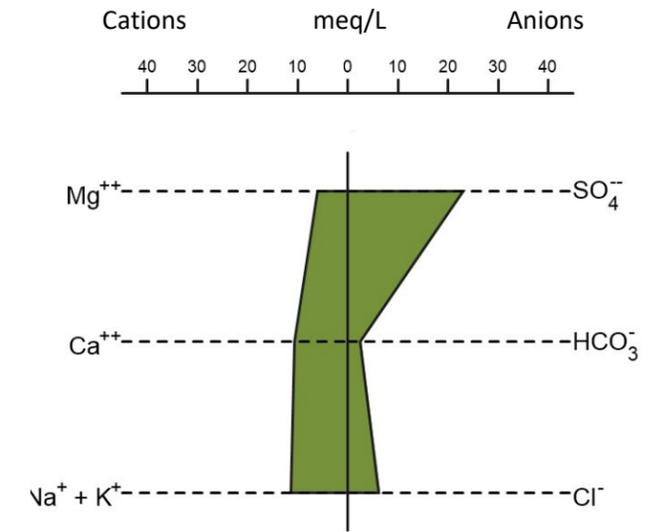
ST-21North - July 2023



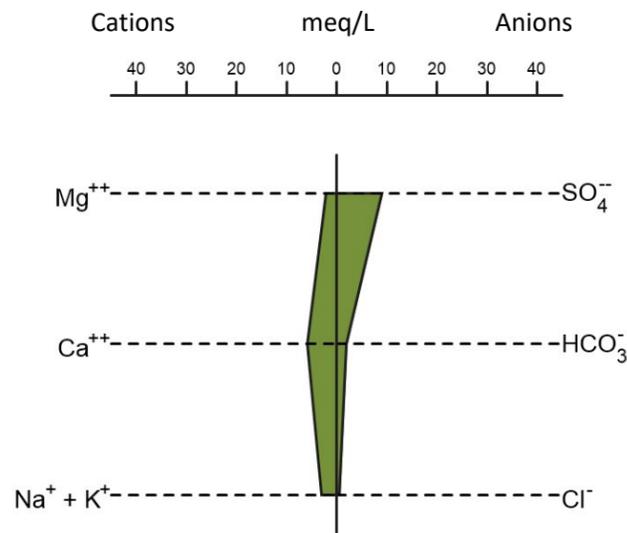
ST-21South - July 2023



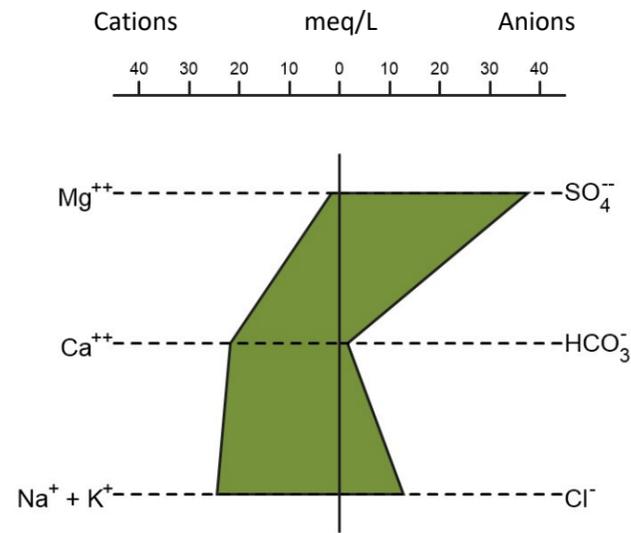
ST-S-5 - July 2023



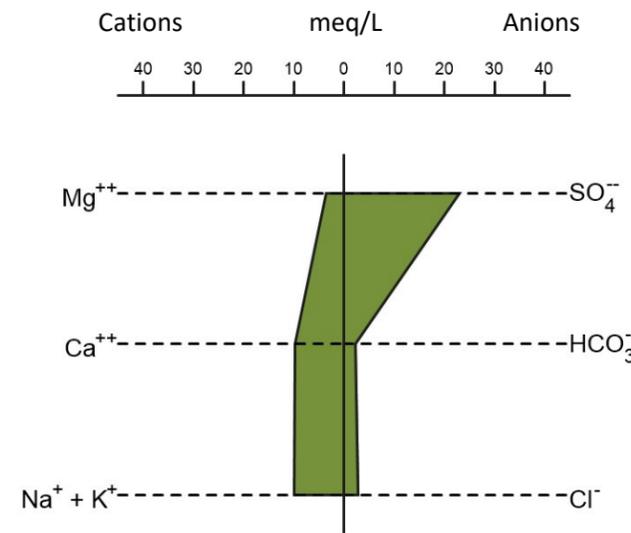
MW-16-01 - July 2023



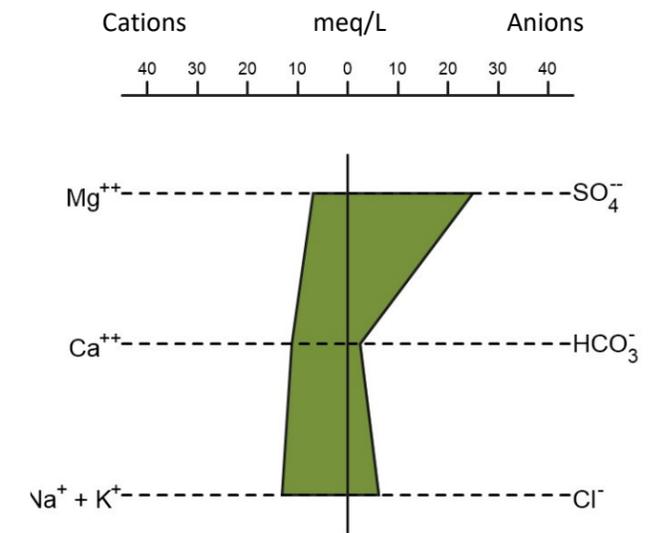
ST-21North - September 2023



ST-21South - September 2023



ST-S-5 - September 2023



MW-16-01 - September 2023

NOTES

1. Results shown for Agnico Eagle samples collected on July 23, 2023 (ST-21-North, ST-21-South, ST-5, MW-16-01), and September 10, 2023 (ST-5), September 11, 2023 (ST-21-North, ST-21-South, MW-16-01)
2. Average (sample + duplicate) results plotted for locations with duplicate samples from ST-5 and MW-16-01.
3. Total concentrations of major ions (Ca, Mg, K and Na) plotted for ST-21 North, ST-21 South.

CLIENT
AGNICO EAGLE MINES LIMITED



PROJECT
2023 MEADOWBANK GROUNDWATER MONITORING PROGRAM
MEADOWBANK MINE
NUNAVUT

CONSULTANT



YYYY-MM-DD 2023-11-30

PREPARED YW

DESIGN YW

REVIEW BC

APPROVED CM

TITLE

2023 STIFF DIAGRAMS - RECLAIM WATER SIGNATURE

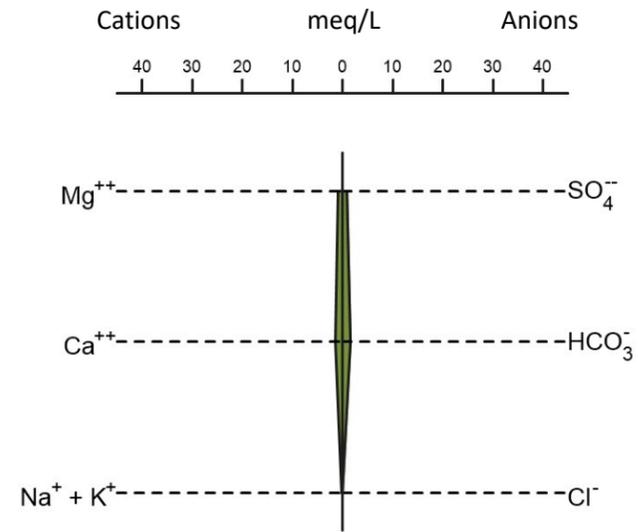
PROJECT No. CA0007108.1008

PHASE

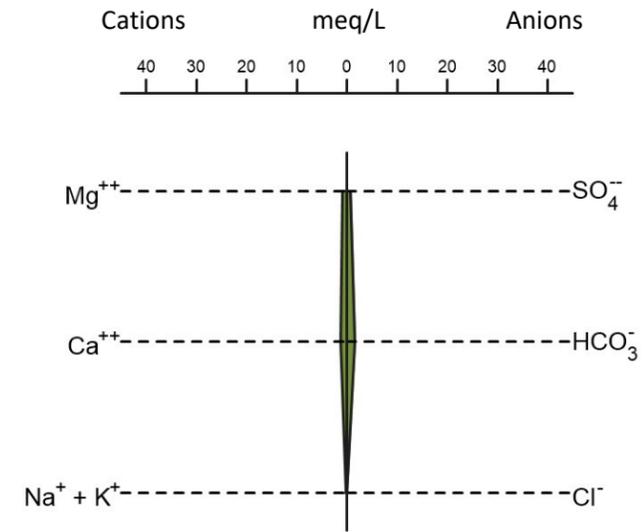
Rev.

0

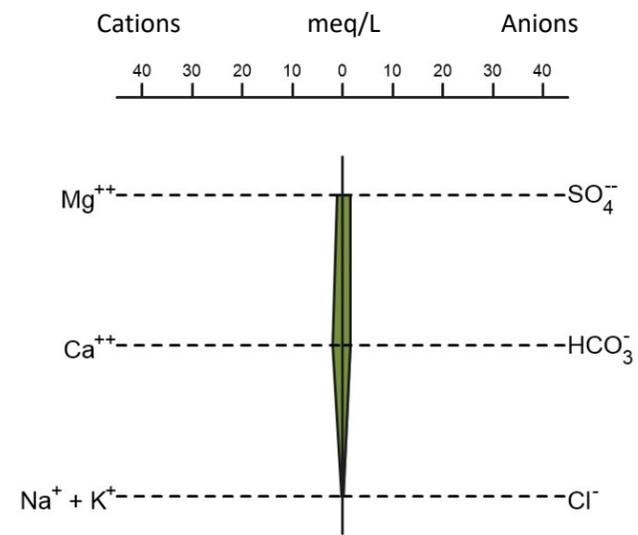
FIGURE
D-3



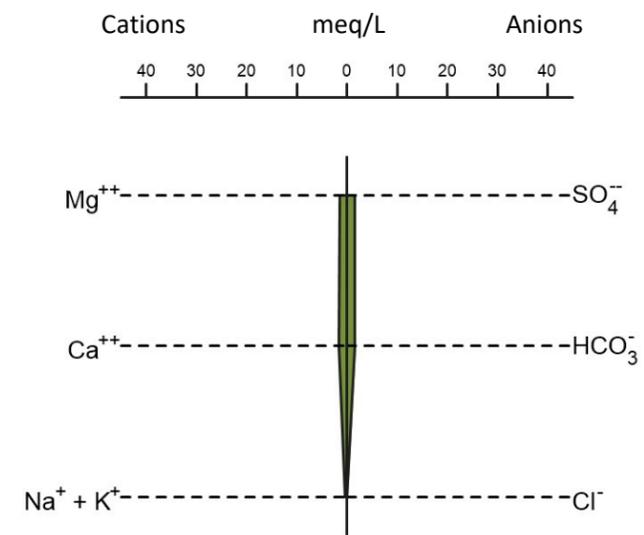
ST-30 - July 2023



ST-31 - July 2023



ST-30 - September 2023



ST-31 - September 2023

NOTES

1. Average (sample + duplicate) results plotted for samples collected by Agnico Eagle on July 23, 2023 and September 11, 2023 from ST-30 and ST-31.
2. Dissolved concentrations of major ions (Ca, Mg, K and Na) plotted.

CLIENT
AGNICO EAGLE MINES LIMITED



PROJECT
2023 MEADOWBANK GROUNDWATER MONITORING PROGRAM
MEADOWBANK MINE
NUNAVUT

CONSULTANT



YYYY-MM-DD 2023-11-30

PREPARED YW

DESIGN YW

REVIEW BC

APPROVED CM

TITLE

2023 STIFF DIAGRAMS - NATURAL WATER SIGNATURE

PROJECT No. CA0007108.1008

PHASE

Rev.

0

FIGURE

D-4

APPENDIX E

**Historical Groundwater Monitoring Program
Water Quality Data 2003 to 2023**

APPENDIX E
 Historical Groundwater Monitoring Program Water Quality Data, 2003 to 2023
 Agnico Eagle Mines Limited, Meadowbank Mine, Nunavut

Station ID	Unit	Portage Pit E	Portage Pit E	Portage Pit E	Portage Pit A	Portage Pit A	Portage Pit A	Portage Pit A					
		MW-IPD-09	MW-IPD-09	MW-IPD-09	MW-03-03	MW-03-03	MW-03-03	Pit A Seep E	Pit A Seep-North	Pit A Seep-East	Pit A Seep	Pit A Seep	Pit A Seep
Sampling Date		2023-07-19	2023-09-08	2023-08-09	2004-08-09	2004-08-09	2003-09-25	2017-11-05	2018-07-18	2019-07-16	2021-08-01	2022-07-17	2022-09-11
Field Parameters													
Temperature	degC	-	19.7	-	10.3	-	2.2	-	-	18.6	9.3	8.2	6.6
pH	-	-	8.38	-	7.77	-	8.63	-	-	7.64	7.72	7.04	6.6
Conductivity	µS/cm	-	212	-	627	-	350	-	-	972	960	260	977
Oxygen Reduction Potential	mV	-	-243.3	-	3	-	79.9	-	-	80.8	-	260	330
Turbidity	NTU	-	0.56	-	-	-	-	-	-	-	0.81	1.35	6.13
Salinity	ppt	-	0.0	-	-	-	-	-	-	0.48	-	0.21	0.16
Total Dissolved Solids	mg/l	-	108	-	-	-	-	-	-	630.5	-	705	905
Dissolved Oxygen	mg/l	-	0.08	-	-	-	-	-	-	-	9.38	-	6.59
Dissolved Oxygen	%	-	-	-	-	-	-	-	-	2.57	92	-	-
General													
Total Alkalinity	mg CaCO3/L	72	72	72	133	-	93.8	86	83	24	35	40	1.5
Bicarbonate Alkalinity HCO3	mg CaCO3/L	72	71	71	162	-	114	86	83	24	35	40	1.5
Carbonate Alkalinity CO3	mg CaCO3/L	< 1.0	< 1.0	< 1.0	< 0.5	-	< 0.5	< 2	< 2	< 1.0	< 2	< 1.0	< 1.0
Dissolved Organic Carbon	mg/L	0.91	0.92	0.88	-	-	-	3.1	5.2	0.81	0.91	0.64	0.93
Hardness (CaCO3)	mg CaCO3/L	68.4	71.0	72.1	213	-	140	557	692	464	510	518	599
Reactive silica	mg/L	10	10	10	-	-	-	4.6	5	5.5	8.7	7.4	20
Salinity	ppt	1.1	1.1	1.1	-	-	-	-	-	-	-	0.21	0.16
Total Dissolved Solids	mg/L	130	100	115	239	-	254	602	1222	546	865	705	905
Total Organic Carbon	mg/L	1.1	1.0	1.1	-	-	-	3.1	5.2	0.74	0.76	0.51	0.87
Total Suspended Solids	mg/L	< 1	< 1	2	1	-	-	< 1	4	2	1	2	7
Turbidity	NTU	0.3	0.3	0.3	-	-	-	-	-	-	< 0.1	1.35	6.13
Total Metals													
Total Aluminium	mg/L	0.00568	0.0260	0.0288	-	-	-	0.095	0.084	0.021	0.0336	0.027	1.7
Total Antimony	mg/L	< 0.00020	< 0.00020	0.00026	0.0002	-	0.002	0.0026	0.0045	0.0011	0.00072	0.000565	0.000363
Total Arsenic	mg/L	0.0207	0.0229	0.0229	0.015	-	0.004	< 0.0005	< 0.0005	< 0.0005	0.00147	0.000895	0.00285
Total Barium	mg/L	0.00231	0.00253	0.00273	0.05	-	0.02	0.0215	0.0677	0.0108	0.0106	0.0119	0.0206
Total Beryllium	mg/L	< 0.000010	< 0.000010	< 0.000010	< 0.0002	-	< 0.001	< 0.0005	< 0.0005	< 0.0005	< 0.00010	0.000032	0.00238
Total Bismuth	mg/L	< 0.0000050	< 0.0000050	< 0.0000050	< 0.0002	-	< 0.001	-	-	-	-	< 0.0000050	< 0.0000050
Total Boron	mg/L	0.09	0.091	0.094	0.19	-	0.09	< 0.01	0.04	< 0.01	0.085	0.089	0.091
Total Cadmium	mg/L	< 0.0000050	< 0.0000050	< 0.0000050	0.00006	-	< 0.0002	0.00037	0.00135	< 0.00002	0.000058	0.0000281	0.000215
Total Calcium	mg/L	16.2	16.1	16.4	47.7	-	28	128	152	112	124	128	145
Total Chromium	mg/L	0.00021	0.00094	0.00086	0.001	-	< 0.001	0.0012	< 0.0006	0.0009	< 0.0010	0.00012	0.00018
Total Cobalt	mg/L	-	-	-	0.0004	-	< 0.001	-	-	-	-	-	-
Total Copper	mg/L	< 0.000050	0.000134	0.000128	0.0014	-	< 0.001	< 0.0005	0.0008	0.0008	0.00408	0.000662	0.0501
Total Iron	mg/L	0.165	0.264	0.25	0.46	-	< 0.05	0.27	0.18	< 0.01	0.032	0.0415	0.126
Total Lead	mg/L	0.0000198	0.0000830	0.0000780	0.0006	-	0.001	< 0.0003	< 0.0003	< 0.0003	< 0.00020	0.000238	0.000575
Total Lithium	mg/L	0.00200	0.00216	0.00221	0.0092	-	0.007	< 0.005	0.006	0.0153	0.0117	0.0117	0.0328
Total Magnesium	mg/L	6.76	7.47	7.56	23.5	-	18	57.8	76.1	45	48.9	48.2	57.9
Total Manganese	mg/L	0.0347	0.0347	0.0343	0.131	-	0.11	0.0253	0.0215	0.1601	0.42	0.48	3.1
Total Mercury	mg/L	< 0.00001	< 0.00001	< 0.00001	< 0.0002	-	< 0.0002	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001
Total Molybdenum	mg/L	0.0114	0.0111	0.0110	0.093	-	0.056	0.1336	0.3287	0.0782	0.232	0.213	0.6549
Total Nickel	mg/L	0.000280	0.000424	0.000447	0.0024	-	0.003	0.0113	0.008	0.0379	0.0717	0.0624	0.313
Total Potassium	mg/L	0.879	0.896	0.904	2.65	-	3.51	12.1	14.7	11.6	12.4	11.6	13.1
Total Selenium	mg/L	< 0.000040	< 0.000040	< 0.000040	< 0.0002	-	< 0.001	< 0.001	0.006	0.0033	0.00068	0.000607	0.000471
Total Silicon	mg/L	-	-	-	5.96	-	3.78	-	-	-	-	-	-
Total Silver	mg/L	< 0.0000050	0.0000060	0.0000060	0.0001	-	< 0.0001	< 0.0001	< 0.0001	< 0.0001	-	< 0.0000050	0.0000118
Total Sodium	mg/L	18.5	18.5	18.9	33.6	-	17.6	27.7	37.2	10.9	10.8	10.6	9.08
Total Strontium	mg/L	0.137	0.14	0.139	0.581	-	0.26	0.424	0.816	0.521	-	0.477	0.506
Total Tellurium	mg/L	-	-	-	< 0.0002	-	< 0.001	-	-	-	-	-	-
Total Thallium	mg/L	< 0.0000020	< 0.0000020	< 0.0000020	< 0.0002	-	< 0.0001	< 0.0008	< 0.0008	< 0.0002	0.000104	0.0000736	0.000288
Total Thorium	mg/L	-	-	-	< 0.0001	-	< 0.0005	-	-	-	-	-	-
Total Tin	mg/L	< 0.00020	< 0.00020	< 0.00020	< 0.0002	-	< 0.001	< 0.001	< 0.001	< 0.001	< 0.0050	< 0.00020	< 0.00020
Total Titanium	mg/L	< 0.00050	< 0.00050	< 0.00050	0.0045	-	< 0.001	0.1	0.16	< 0.01	< 0.0050	< 0.00050	< 0.00050
Total Uranium	mg/L	0.000121	0.000109	0.000106	0.0088	-	0.012	0.084	0.156	0.01	0.00672	0.012	0.012
Total Vanadium	mg/L	< 0.00020	< 0.00020	< 0.00020	0.0002	-	< 0.001	< 0.0005	< 0.0005	< 0.0005	-	< 0.00020	< 0.00020
Total Zinc	mg/L	0.00023	0.00265	0.00115	0.006	-	< 0.005	< 0.001	< 0.001	0.008	< 0.0050	0.00128	0.0351
Total Zirconium	mg/L	-	-	-	< 0.002	-	< 0.001	-	-	-	-	-	-
Dissolved Metals													
Dissolved Aluminium	mg/L	0.00215	0.0736	0.00297	-	-	-	< 0.006	< 0.006	0.011	-	0.00917	0.538
Dissolved Antimony	mg/L	< 0.00020	< 0.00020	< 0.00020	< 0.0002	-	0.002	0.0021	0.004	0.0005	0.00033	0.000367	0.000367
Dissolved Arsenic	mg/L	0.0204	0.0207	0.0201	0.013	-	0.004	< 0.0005	< 0.0005	< 0.0005	0.00073	0.000599	0.000187
Dissolved Barium	mg/L	0.000740	0.00236	0.00204	0.048	-	0.018	0.0193	0.0585	0.0115	0.00135	0.0127	0.0208
Dissolved Beryllium	mg/L	< 0.000010	< 0.000010	< 0.000010	-	-	-	< 0.0005	< 0.0005	< 0.0005	0.0105	0.000026	0.00171
Dissolved Bismuth	mg/L	< 0.0000050	< 0.0000050	< 0.0000050	< 0.0002	-	< 0.001	-	-	-	< 0.00010	< 0.0000050	< 0.0000050
Dissolved Boron	mg/L	0.09	0.097	0.094	0.17	-	0.08	0.01	0.02	< 0.01	0.084	0.089	0.098
Dissolved Cadmium	mg/L	< 0.0000050	0.0000062	< 0.0000050	0.00004	-	< 0.0002	0.00037	0.00119	< 0.00003	0.000026	0.000038	0.000205
Dissolved Calcium	mg/L	15.6	16.5	16.4	47.1	-	26.3	127	152	112	124	128	145
Dissolved Chromium	mg/L	< 0.00010	0.00020	0.00014	0.0003	-	< 0.001	< 0.0006	0.0011	< 0.0006	< 0.0010	< 0.00010	0.00016
Dissolved Cobalt	mg/L	-	-	-	0.0003	-	< 0.001	-	-	-	-	-	-
Dissolved Copper	mg/L	< 0.000050	0.000893	0.000061	0.0002	-	< 0.001	0.0006	0.0009	0.0008	0.00348	0.000608	0.046
Dissolved Iron	mg/L	0.138	0.156	0.14	< 0.01	-	< 0.05	0.01	0.02	< 0.01	< 0.0050	0.0082	0.0391
Dissolved Lead	mg/L	< 0.0000050	0.000427	0.0000092	< 0.0002	-	< 0.001	< 0.0003	< 0.0003	< 0.0003	< 0.000103	0.000103	0.000427
Dissolved Lithium	mg/L	0.00208	0.00228	0.00215	0.0081	-	0.007	< 0.005	< 0.005	0.005	0.0136	0.0116	0.0342
Dissolved Magnesium	mg/L	6.79	7.44	7.30	22.4	-	17.1	57.8	76.1	45	48.9	48.2	57.9
Dissolved Manganese	mg/L	0.032	0.0329	0.0319	0.12	-	0.11	0.0253	0.0215	0.165	0.432	0.482	3.01
Dissolved Mercury	mg/L	< 0.00001	< 0.00001	< 0.00001	< 0.02	-	< 0.00002	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001
Dissolved Molybdenum	mg/L	0.0111	0.0113	0.0112	0.09	-	0.052	0.1089	0.2837	0.0638	0.235	0.2	0.6522
Dissolved Nickel	mg/L	0.000091	0.000266	0.000099	0.0018	-	0.003	0.0087	0.0054	0.0303	0.0717	0.0607	0.305
Dissolved Phosphorus	mg/L	-	-	-	< 0.03	-	0.07	-	-	-	-	-	-
Dissolved Potassium	mg/L	0.880	0.949	0.920	2.64	-	3.33	11.8	10	9.68	12	11.3	12.7
Dissolved Selenium													

wsp

wsp.com