Your P.O. #: 997577
Your C.O.C. #: 407722

**Attention: Reporting**

Agnico Eagle
Meadowbank
Meadowbank
Keewatin, NU
CANADA P0X 0A1

**Report Date: 2021/09/23**
Report #: R6823794
Version: 2 - Final

# CERTIFICATE OF ANALYSIS

**BV LABS JOB #: C1Q9711**
**Received: 2021/09/17, 09:55**

Sample Matrix: Water
# Samples Received: 2

| Analyses | Quantity | Date Extracted | Date Analyzed | Laboratory Method | Analytical Method |
|---|---|---|---|---|---|
| Petroleum Hydro. CCME F1 & BTEX in Water (1) | 2 | N/A | 2021/09/20 | CAM SOP-00315 | CCME PHC-CWS m |
| Glycols in Water by GC/FID (1) | 2 | N/A | 2021/09/20 | CAM SOP-00322 | based on EPA 8015 |
| Elements by CRC ICPMS (total) (2) | 2 | 2021/09/22 | 2021/09/22 | BBY7SOP-00003/ BBY7SOP-00002 | EPA 6020B R2 m |
| Total Ammonia-N (1) | 2 | N/A | 2021/09/20 | CAM SOP-00441 | USGS I-2522-90 m |
| Total Oil and Grease (1) | 2 | 2021/09/20 | 2021/09/20 | CAM SOP-00326 | EPA1664B m,SM5520B m |
| Low Level Total Suspended Solids (1) | 2 | 2021/09/20 | 2021/09/20 | CAM SOP-00428 | SM 23 2540D m |

**Remarks:**

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

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

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

Solid sample results, except biota, are based on dry weight unless otherwise indicated. Organic analyses are not recovery corrected except for isotope dilution methods.
Results relate to samples tested. When sampling is not conducted by Bureau Veritas, results relate to the supplied samples tested.
This Certificate shall not be reproduced except in full, without the written approval of the laboratory.
Reference Method suffix “m” indicates test methods incorporate validated modifications from specific reference methods to improve performance.
* RPDs calculated using raw data. The rounding of final results may result in the apparent difference.
(1) This test was performed by Bureau Veritas Mississauga, 6740 Campobello Rd , Mississauga, ON, L5N 2L8
(2) This test was performed by Bureau Veritas Burnaby, 4606 Canada Way , Burnaby, BC, V5G 1K5

Your P.O. #: 997577
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**Report Date: 2021/09/23**
Report #: R6823794
Version: 2 - Final

# CERTIFICATE OF ANALYSIS

**BV LABS JOB #: C1Q9711**
**Received: 2021/09/17, 09:55**

Encryption Key

Katherine Szozda
Project Manager
23 Sep 2021 15:56:34

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

==========

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



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

BV Labs Job #: C1Q9711
Report Date: 2021/09/23

Agnico Eagle
Your P.O. #: 997577
Sampler Initials: NS

## RESULTS OF ANALYSES OF WATER

| BV Labs ID | | QRP127 | | | QRP127 | | | QRP128 | | |
|---|---|---|---|---|---|---|---|---|---|---|
| Sampling Date | | 2021/09/14 16:55 | | | 2021/09/14 16:55 | | | 2021/09/14 17:05 | | |
| COC Number | | 407722 | | | 407722 | | | 407722 | | |
| | UNITS | ST-KM103.5 | RDL | QC Batch | ST-KM103.5 Lab-Dup | RDL | QC Batch | ST-KM103.3 | RDL | QC Batch |
| **Inorganics** | | | | | | | | | | |
| Total Ammonia-N | mg/L | 0.22 | 0.050 | 7587556 | | | | 0.21 | 0.050 | 7587556 |
| Total Suspended Solids | mg/L | 1 | 1 | 7587552 | 1 | 1 | 7587552 | 8 | 1 | 7587552 |
| **Metals** | | | | | | | | | | |
| Total Arsenic (As) | mg/L | 0.00044 | 0.00010 | 7596062 | 0.00042 | 0.00010 | 7596062 | 0.00163 | 0.00010 | 7596062 |
| Total Copper (Cu) | mg/L | 0.00156 | 0.00050 | 7596062 | 0.00136 | 0.00050 | 7596062 | 0.00190 | 0.00050 | 7596062 |
| Total Lead (Pb) | mg/L | <0.00020 | 0.00020 | 7596062 | <0.00020 | 0.00020 | 7596062 | 0.00025 | 0.00020 | 7596062 |
| Total Nickel (Ni) | mg/L | 0.0031 | 0.0010 | 7596062 | 0.0032 | 0.0010 | 7596062 | 0.0058 | 0.0010 | 7596062 |
| Total Zinc (Zn) | mg/L | <0.0050 | 0.0050 | 7596062 | <0.0050 | 0.0050 | 7596062 | <0.0050 | 0.0050 | 7596062 |
| **Petroleum Hydrocarbons** | | | | | | | | | | |
| Total Oil & Grease | mg/L | 1.6 | 0.50 | 7587058 | | | | <0.50 | 0.50 | 7587058 |

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

| BV Labs ID | | QRP128 | | |
|---|---|---|---|---|
| Sampling Date | | 2021/09/14 17:05 | | |
| COC Number | | 407722 | | |
| | UNITS | ST-KM103.3 Lab-Dup | RDL | QC Batch |
| **Inorganics** | | | | |
| Total Ammonia-N | mg/L | 0.19 | 0.050 | 7587556 |

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

BV Labs Job #: C1Q9711
Report Date: 2021/09/23

Agnico Eagle
Your P.O. #: 997577
Sampler Initials: NS

## GLYCOLS BY GC-FID (WATER)

| BV Labs ID | | QRP127 | QRP127 | | QRP128 | | |
|---|---|---|---|---|---|---|---|
| Sampling Date | | 2021/09/14 16:55 | 2021/09/14 16:55 | | 2021/09/14 17:05 | | |
| COC Number | | 407722 | 407722 | | 407722 | | |
| | UNITS | ST-KM103.5 | ST-KM103.5 Lab-Dup | RDL | ST-KM103.3 | RDL | QC Batch |
| **Glycols** | | | | | | | |
| Propylene Glycol | mg/L | <5 | <5 | 5 | <30 | 30 | 7587577 |
| Ethylene Glycol | mg/L | <5 | <5 | 5 | 2170 | 30 | 7587577 |
| Diethylene Glycol | mg/L | <5 | <5 | 5 | <30 | 30 | 7587577 |
| Total Glycol | mg/L | <5 | <5 | 5 | 2170 | 30 | 7587577 |

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

BV Labs Job #: C1Q9711
Report Date: 2021/09/23

Agnico Eagle
Your P.O. #: 997577
Sampler Initials: NS

## PETROLEUM HYDROCARBONS (CCME)

| BV Labs ID | | QRP127 | QRP127 | QRP128 | | |
|---|---|---|---|---|---|---|
| Sampling Date | | 2021/09/14 16:55 | 2021/09/14 16:55 | 2021/09/14 17:05 | | |
| COC Number | | 407722 | 407722 | 407722 | | |
| | UNITS | ST-KM103.5 | ST-KM103.5 Lab-Dup | ST-KM103.3 | RDL | QC Batch |
| **BTEX & F1 Hydrocarbons** | | | | | | |
| Benzene | ug/L | <0.20 | <0.20 | <0.20 | 0.20 | 7587616 |
| Toluene | ug/L | <0.20 | <0.20 | <0.20 | 0.20 | 7587616 |
| Ethylbenzene | ug/L | <0.20 | <0.20 | <0.20 | 0.20 | 7587616 |
| o-Xylene | ug/L | <0.20 | <0.20 | <0.20 | 0.20 | 7587616 |
| p+m-Xylene | ug/L | <0.40 | <0.40 | <0.40 | 0.40 | 7587616 |
| Total Xylenes | ug/L | <0.40 | <0.40 | <0.40 | 0.40 | 7587616 |
| **Surrogate Recovery (%)** | | | | | | |
| 1,4-Difluorobenzene | % | 99 | 99 | 99 | | 7587616 |
| 4-Bromofluorobenzene | % | 99 | 99 | 97 | | 7587616 |
| D10-o-Xylene | % | 111 | 106 | 108 | | 7587616 |
| D4-1,2-Dichloroethane | % | 108 | 105 | 107 | | 7587616 |

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

BV Labs Job #: C1Q9711
Report Date: 2021/09/23

Agnico Eagle
Your P.O. #: 997577
Sampler Initials: NS

## TEST SUMMARY

**BV Labs ID:** QRP127
**Sample ID:** ST-KM103.5
**Matrix:** Water

**Collected:** 2021/09/14
**Shipped:**
**Received:** 2021/09/17

| Test Description | Instrumentation | Batch | Extracted | Date Analyzed | Analyst |
|---|---|---|---|---|---|
| Petroleum Hydro. CCME F1 & BTEX in Water | HSGC/MSFD | 7587616 | N/A | 2021/09/20 | Joe Paino |
| Glycols in Water by GC/FID | GC/FID | 7587577 | N/A | 2021/09/20 | Domnica Andronescu |
| Elements by CRC ICPMS (total) | ICP/MS | 7596062 | 2021/09/22 | 2021/09/22 | Andrew An |
| Total Ammonia-N | LACH/NH4 | 7587556 | N/A | 2021/09/20 | Viorica Rotaru |
| Total Oil and Grease | BAL | 7587058 | 2021/09/20 | 2021/09/20 | Mitul Patel |
| Low Level Total Suspended Solids | BAL | 7587552 | 2021/09/20 | 2021/09/20 | Sandeep Kaur |

**BV Labs ID:** QRP127 Dup
**Sample ID:** ST-KM103.5
**Matrix:** Water

**Collected:** 2021/09/14
**Shipped:**
**Received:** 2021/09/17

| Test Description | Instrumentation | Batch | Extracted | Date Analyzed | Analyst |
|---|---|---|---|---|---|
| Petroleum Hydro. CCME F1 & BTEX in Water | HSGC/MSFD | 7587616 | N/A | 2021/09/20 | Joe Paino |
| Glycols in Water by GC/FID | GC/FID | 7587577 | N/A | 2021/09/20 | Domnica Andronescu |
| Elements by CRC ICPMS (total) | ICP/MS | 7596062 | 2021/09/22 | 2021/09/22 | Andrew An |
| Low Level Total Suspended Solids | BAL | 7587552 | 2021/09/20 | 2021/09/20 | Sandeep Kaur |

**BV Labs ID:** QRP128
**Sample ID:** ST-KM103.3
**Matrix:** Water

**Collected:** 2021/09/14
**Shipped:**
**Received:** 2021/09/17

| Test Description | Instrumentation | Batch | Extracted | Date Analyzed | Analyst |
|---|---|---|---|---|---|
| Petroleum Hydro. CCME F1 & BTEX in Water | HSGC/MSFD | 7587616 | N/A | 2021/09/20 | Joe Paino |
| Glycols in Water by GC/FID | GC/FID | 7587577 | N/A | 2021/09/20 | Domnica Andronescu |
| Elements by CRC ICPMS (total) | ICP/MS | 7596062 | 2021/09/22 | 2021/09/22 | Andrew An |
| Total Ammonia-N | LACH/NH4 | 7587556 | N/A | 2021/09/20 | Viorica Rotaru |
| Total Oil and Grease | BAL | 7587058 | 2021/09/20 | 2021/09/20 | Mitul Patel |
| Low Level Total Suspended Solids | BAL | 7587552 | 2021/09/20 | 2021/09/20 | Sandeep Kaur |

**BV Labs ID:** QRP128 Dup
**Sample ID:** ST-KM103.3
**Matrix:** Water

**Collected:** 2021/09/14
**Shipped:**
**Received:** 2021/09/17

| Test Description | Instrumentation | Batch | Extracted | Date Analyzed | Analyst |
|---|---|---|---|---|---|
| Total Ammonia-N | LACH/NH4 | 7587556 | N/A | 2021/09/20 | Viorica Rotaru |

BV Labs Job #: C1Q9711
Report Date: 2021/09/23

Agnico Eagle
Your P.O. #: 997577
Sampler Initials: NS

## GENERAL COMMENTS

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

| | |
|---|---|
| Package 1 | 15.3°C |

Sample QRP128 [ST-KM103.3] : GLYCOLS Analysis : Due to high concentration of target analytes, sample required dilution. Reporting limits were adjusted accordingly.

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



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

BV Labs Job #: C1Q9711
Report Date: 2021/09/23

## QUALITY ASSURANCE REPORT

Agnico Eagle
Your P.O. #: 997577
Sampler Initials: NS

| | | | Matrix Spike | | SPIKED BLANK | | Method Blank | | RPD | | QC Standard | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| QC Batch | Parameter | Date | % Recovery | QC Limits | % Recovery | QC Limits | Value | UNITS | Value (%) | QC Limits | % Recovery | QC Limits |
| 7587616 | 1,4-Difluorobenzene | 2021/09/20 | 97 | 70 - 130 | 96 | 70 - 130 | 99 | % | | | | |
| 7587616 | 4-Bromofluorobenzene | 2021/09/20 | 103 | 70 - 130 | 105 | 70 - 130 | 87 | % | | | | |
| 7587616 | D10-o-Xylene | 2021/09/20 | 97 | 70 - 130 | 95 | 70 - 130 | 103 | % | | | | |
| 7587616 | D4-1,2-Dichloroethane | 2021/09/20 | 106 | 70 - 130 | 101 | 70 - 130 | 104 | % | | | | |
| 7587058 | Total Oil & Grease | 2021/09/20 | | | 99 | 85 - 115 | <0.50 | mg/L | 1.0 | 25 | | |
| 7587552 | Total Suspended Solids | 2021/09/20 | | | | | <1 | mg/L | 0 | 25 | 98 | 85 - 115 |
| 7587556 | Total Ammonia-N | 2021/09/20 | 97 | 75 - 125 | 98 | 80 - 120 | <0.050 | mg/L | 8.5 | 20 | | |
| 7587577 | Diethylene Glycol | 2021/09/20 | 89 | 60 - 140 | 101 | 60 - 140 | <5 | mg/L | NC | 40 | | |
| 7587577 | Ethylene Glycol | 2021/09/20 | 94 | 60 - 140 | 105 | 60 - 140 | <5 | mg/L | NC | 40 | | |
| 7587577 | Propylene Glycol | 2021/09/20 | 100 | 60 - 140 | 108 | 60 - 140 | <5 | mg/L | NC | 40 | | |
| 7587577 | Total Glycol | 2021/09/20 | | | | | <5 | mg/L | NC | 40 | | |
| 7587616 | Benzene | 2021/09/20 | 108 | 50 - 140 | 105 | 50 - 140 | <0.20 | ug/L | NC | 30 | | |
| 7587616 | Ethylbenzene | 2021/09/20 | 111 | 50 - 140 | 111 | 50 - 140 | <0.20 | ug/L | NC | 30 | | |
| 7587616 | o-Xylene | 2021/09/20 | 110 | 50 - 140 | 109 | 50 - 140 | <0.20 | ug/L | NC | 30 | | |
| 7587616 | p+m-Xylene | 2021/09/20 | 110 | 50 - 140 | 110 | 50 - 140 | <0.40 | ug/L | NC | 30 | | |
| 7587616 | Toluene | 2021/09/20 | 103 | 50 - 140 | 101 | 50 - 140 | <0.20 | ug/L | NC | 30 | | |
| 7587616 | Total Xylenes | 2021/09/20 | | | | | <0.40 | ug/L | NC | 30 | | |
| 7596062 | Total Arsenic (As) | 2021/09/22 | 101 | 80 - 120 | 101 | 80 - 120 | <0.00010 | mg/L | 3.8 | 20 | | |
| 7596062 | Total Copper (Cu) | 2021/09/22 | 94 | 80 - 120 | 94 | 80 - 120 | <0.00050 | mg/L | 14 | 20 | | |
| 7596062 | Total Lead (Pb) | 2021/09/22 | 101 | 80 - 120 | 101 | 80 - 120 | <0.00020 | mg/L | NC | 20 | | |
| 7596062 | Total Nickel (Ni) | 2021/09/22 | 98 | 80 - 120 | 96 | 80 - 120 | <0.0010 | mg/L | 2.5 | 20 | | |
| 7596062 | Total Zinc (Zn) | 2021/09/22 | 100 | 80 - 120 | 99 | 80 - 120 | <0.0050 | mg/L | NC | 20 | | |

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

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

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

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

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

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

NC (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).

BV Labs Job #: C1Q9711
Report Date: 2021/09/23

Agnico Eagle
Your P.O. #: 997577
Sampler Initials: NS

## VALIDATION SIGNATURE PAGE

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

David Huang, BBY Scientific Specialist

Ewa Pranjic, M.Sc., C.Chem, Scientific Specialist

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



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