



Your P.O. #: 997577
Your C.O.C. #: 407729

Attention: Reporting

Agnico Eagle
Meadowbank
Meadowbank
Keewatin, NU
CANADA P0X 0A1

Report Date: 2021/09/24
Report #: R6826030
Version: 1 - Final

CERTIFICATE OF ANALYSIS

BV LABS JOB #: C1Q9729

Received: 2021/09/17, 09:55

Sample Matrix: Water
Samples Received: 3

Analyses	Quantity	Date Extracted	Date Analyzed	Laboratory Method	Analytical Method
Alkalinity (1)	1	N/A	2021/09/23	CAM SOP-00448	SM 23 2320 B m
Chloride by Automated Colourimetry (1)	1	N/A	2021/09/22	CAM SOP-00463	SM 23 4500-Cl E m
Petroleum Hydro. CCME F1 & BTEX in Water (1)	1	N/A	2021/09/23	CAM SOP-00315	CCME PHC-CWS m
Mercury (low level) (1)	1	2021/09/21	2021/09/23	CAM SOP-00453	EPA 7470 m
Hardness Total (calculated as CaCO ₃) (2, 4)	1	N/A	2021/09/24	BBY WI-00033	Auto Calc
Na, K, Ca, Mg, S by CRC ICPMS (total) (2)	1	2021/09/20	2021/09/24	BBY7SOP-00002	EPA 6020B R2 m
Elements by CRC ICPMS (total) (2)	2	2021/09/23	2021/09/24	BBY7SOP-00003/ BBY7SOEPA 6020B R2 m -00002	
Total Phosphorus Low Level Total (3)	1	2021/09/23	2021/09/23	AB SOP-00024	SM 23 4500-P A,B,F m
Total Ammonia (as NH ₃) (1)	2	N/A	2021/09/23	Auto Calc.	
Total Ammonia-N (1)	2	N/A	2021/09/22	CAM SOP-00441	USGS I-2522-90 m
Nitrate (NO ₃) and Nitrite (NO ₂) in Water (1, 5)	1	N/A	2021/09/23	CAM SOP-00440	SM 23 4500-NO3I/NO2B
Total Oil and Grease (1)	1	2021/09/23	2021/09/23	CAM SOP-00326	EPA1664B m,SM5520B m
Sulphate by Automated Colourimetry (1)	1	N/A	2021/09/22	CAM SOP-00464	EPA 375.4 m
Low Level Total Suspended Solids (1)	2	2021/09/21	2021/09/22	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



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dilution methods.

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

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

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

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

(1) This test was performed by Bureau Veritas Mississauga, 6740 Campobello Rd , Mississauga, ON, L5N 2L8

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

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

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

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

Encryption Key

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

Katherine Szozda, Project Manager

Email: Katherine.Szozda@bureauveritas.com

Phone# (613)274-0573 Ext:7063633

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BUREAU
VERITAS

BV Labs Job #: C1Q9729

Report Date: 2021/09/24

Agnico Eagle

Your P.O. #: 997577

Sampler Initials: IC

RESULTS OF ANALYSES OF WATER

BV Labs ID		QRP150			QRP150			QRP151		
Sampling Date		2021/09/14 13:30			2021/09/14 13:30			2021/09/14 13:30		
COC Number		407729			407729			407729		
	UNITS	BL Shore	RDL	QC Batch	BL Shore Lab-Dup	RDL	QC Batch	BL Shore	RDL	QC Batch
Calculated Parameters										
Total Ammonia (as NH ₃)	mg/L	0.077	0.061	7588182				2.1	0.061	7588184
Inorganics										
Total Ammonia-N	mg/L	0.064	0.050	7590584				1.7	0.050	7590584
Total Suspended Solids	mg/L	2	1	7590408	2	1	7590408			
Dissolved Sulphate (SO ₄)	mg/L							1.2	1.0	7591287
Alkalinity (Total as CaCO ₃)	mg/L							12	1.0	7593096
Dissolved Chloride (Cl ⁻)	mg/L							3.3	1.0	7591283
Nitrite (N)	mg/L							<0.010	0.010	7590653
Nitrate (N)	mg/L							<0.10	0.10	7590653
Nitrate + Nitrite (N)	mg/L							<0.10	0.10	7590653
Metals										
Total Aluminum (Al)	mg/L							0.0383	0.0030	7599240
Total Arsenic (As)	mg/L	0.00015	0.00010	7599240	0.00014	0.00010	7599240			
Total Cadmium (Cd)	mg/L							<0.000010	0.000010	7599240
Total Chromium (Cr)	mg/L							<0.0010	0.0010	7599240
Total Cobalt (Co)	mg/L							<0.00020	0.00020	7599240
Total Copper (Cu)	mg/L	<0.00050	0.00050	7599240	<0.00050	0.00050	7599240			
Total Iron (Fe)	mg/L							0.089	0.010	7599240
Total Lead (Pb)	mg/L	<0.00020	0.00020	7599240	<0.00020	0.00020	7599240			
Total Manganese (Mn)	mg/L							0.0032	0.0010	7599240
Total Molybdenum (Mo)	mg/L							<0.0010	0.0010	7599240
Total Nickel (Ni)	mg/L	<0.0010	0.0010	7599240	<0.0010	0.0010	7599240			
Total Selenium (Se)	mg/L							<0.00010	0.00010	7599240
Total Thallium (Tl)	mg/L							<0.000010	0.000010	7599240
Total Uranium (U)	mg/L							0.00046	0.00010	7599240
Total Zinc (Zn)	mg/L	<0.0050	0.0050	7599240	<0.0050	0.0050	7599240			
Total Calcium (Ca)	mg/L							3.56	0.050	7599456
Total Magnesium (Mg)	mg/L							1.52	0.050	7599456
Nutritional Parameters										
Total Phosphorus (P)	mg/L							0.0040	0.0010	7598887
RDL = Reportable Detection Limit										
QC Batch = Quality Control Batch										
Lab-Dup = Laboratory Initiated Duplicate										



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VERITAS

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RESULTS OF ANALYSES OF WATER

BV Labs ID		QRP150			QRP150			QRP151		
Sampling Date		2021/09/14 13:30			2021/09/14 13:30			2021/09/14 13:30		
COC Number		407729			407729			407729		
	UNITS	BL Shore	RDL	QC Batch	BL Shore Lab-Dup	RDL	QC Batch	BL Shore	RDL	QC Batch

Petroleum Hydrocarbons

Total Oil & Grease	mg/L	<0.50	0.50	7595014						
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RDL = Reportable Detection Limit

QC Batch = Quality Control Batch

Lab-Dup = Laboratory Initiated Duplicate

BV Labs ID		QRP151			QRP152		
Sampling Date		2021/09/14 13:30			2021/09/14 16:00		
COC Number		407729			407729		
	UNITS	BL Shore Lab-Dup	RDL	QC Batch	BL Barge Extension	RDL	QC Batch

Inorganics

Total Suspended Solids	mg/L				4	1	7590408
Dissolved Sulphate (SO ₄)	mg/L	1.1	1.0	7591287			
Dissolved Chloride (Cl ⁻)	mg/L	3.2	1.0	7591283			

Nutritional Parameters

Total Phosphorus (P)	mg/L	0.0027	0.0010	7598887			
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RDL = Reportable Detection Limit

QC Batch = Quality Control Batch

Lab-Dup = Laboratory Initiated Duplicate



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ELEMENTS BY ATOMIC SPECTROSCOPY (WATER)

BV Labs ID		QRP151			QRP151		
Sampling Date		2021/09/14 13:30			2021/09/14 13:30		
COC Number		407729			407729		
	UNITS	BL Shore	RDL	QC Batch	BL Shore Lab-Dup	RDL	QC Batch
Calculated Parameters							
Total Hardness (CaCO ₃)	mg/L	15.2	0.50	7599455			
Metals							
Mercury (Hg)	mg/L	<0.00001	0.00001	7593546	<0.00001	0.00001	7593546
RDL = Reportable Detection Limit QC Batch = Quality Control Batch Lab-Dup = Laboratory Initiated Duplicate							



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PETROLEUM HYDROCARBONS (CCME)

BV Labs ID		QRP150		
Sampling Date		2021/09/14 13:30		
COC Number		407729		
	UNITS	BL Shore	RDL	QC Batch
BTEX & F1 Hydrocarbons				
Benzene	ug/L	<0.20	0.20	7594354
Toluene	ug/L	<0.20	0.20	7594354
Ethylbenzene	ug/L	<0.20	0.20	7594354
o-Xylene	ug/L	<0.20	0.20	7594354
p+m-Xylene	ug/L	<0.40	0.40	7594354
Total Xylenes	ug/L	<0.40	0.40	7594354
Surrogate Recovery (%)				
1,4-Difluorobenzene	%	97		7594354
4-Bromofluorobenzene	%	92		7594354
D10-o-Xylene	%	94		7594354
D4-1,2-Dichloroethane	%	103		7594354
RDL = Reportable Detection Limit				
QC Batch = Quality Control Batch				



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TEST SUMMARY

BV Labs ID: QRP150
Sample ID: BL Shore
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	7594354	N/A	2021/09/23	Abdikarim Ali
Elements by CRC ICPMS (total)	ICP/MS	7599240	2021/09/23	2021/09/24	Andrew An
Total Ammonia (as NH3)	CALC	7588182	N/A	2021/09/23	Automated Statchk
Total Ammonia-N	LACH/NH4	7590584	N/A	2021/09/22	Viorica Rotaru
Total Oil and Grease	BAL	7595014	2021/09/23	2021/09/23	Mitul Patel
Low Level Total Suspended Solids	BAL	7590408	2021/09/21	2021/09/22	Shaneil Hall

BV Labs ID: QRP150 Dup
Sample ID: BL Shore
Matrix: Water

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

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
Elements by CRC ICPMS (total)	ICP/MS	7599240	2021/09/23	2021/09/24	Andrew An
Low Level Total Suspended Solids	BAL	7590408	2021/09/21	2021/09/22	Shaneil Hall

BV Labs ID: QRP151
Sample ID: BL Shore
Matrix: Water

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

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
Alkalinity	AT	7593096	N/A	2021/09/23	Surinder Rai
Chloride by Automated Colourimetry	KONE	7591283	N/A	2021/09/22	Alina Dobreanu
Mercury (low level)	CV/AA	7593546	2021/09/21	2021/09/23	Medhat Nasr
Hardness Total (calculated as CaCO3)	CALC	7599455	N/A	2021/09/24	Automated Statchk
Na, K, Ca, Mg, S by CRC ICPMS (total)	ICP	7599456	2021/09/24	2021/09/24	Automated Statchk
Elements by CRC ICPMS (total)	ICP/MS	7599240	2021/09/23	2021/09/24	Andrew An
Total Phosphorus Low Level Total	KONE	7598887	2021/09/23	2021/09/23	Serena Tian
Total Ammonia (as NH3)	CALC	7588184	N/A	2021/09/23	Automated Statchk
Total Ammonia-N	LACH/NH4	7590584	N/A	2021/09/22	Viorica Rotaru
Nitrate (NO3) and Nitrite (NO2) in Water	LACH	7590653	N/A	2021/09/23	Chandra Nandlal
Sulphate by Automated Colourimetry	KONE	7591287	N/A	2021/09/22	Alina Dobreanu

BV Labs ID: QRP151 Dup
Sample ID: BL Shore
Matrix: Water

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

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
Chloride by Automated Colourimetry	KONE	7591283	N/A	2021/09/22	Alina Dobreanu
Mercury (low level)	CV/AA	7593546	2021/09/21	2021/09/23	Medhat Nasr
Total Phosphorus Low Level Total	KONE	7598887	2021/09/23	2021/09/23	Serena Tian
Sulphate by Automated Colourimetry	KONE	7591287	N/A	2021/09/22	Alina Dobreanu



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Sampler Initials: IC

TEST SUMMARY

BV Labs ID: QRP152
Sample ID: BL Barge Extension
Matrix: Water

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

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
Low Level Total Suspended Solids	BAL	7590408	2021/09/21	2021/09/22	Shaneil Hall



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BV Labs Job #: C1Q9729

Report Date: 2021/09/24

Agnico Eagle

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Sampler Initials: IC

GENERAL COMMENTS

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

Package 1	15.3°C
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Results relate only to the items tested.



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VERITAS

BV Labs Job #: C1Q9729

Report Date: 2021/09/24

QUALITY ASSURANCE REPORT

Agnico Eagle

Your P.O. #: 997577

Sampler Initials: IC

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
7594354	1,4-Difluorobenzene	2021/09/22	96	70 - 130	97	70 - 130	98	%				
7594354	4-Bromofluorobenzene	2021/09/22	96	70 - 130	98	70 - 130	92	%				
7594354	D10-o-Xylene	2021/09/22	81	70 - 130	81	70 - 130	87	%				
7594354	D4-1,2-Dichloroethane	2021/09/22	94	70 - 130	94	70 - 130	97	%				
7590408	Total Suspended Solids	2021/09/22					<1	mg/L	0	25	100	85 - 115
7590584	Total Ammonia-N	2021/09/22	93	75 - 125	96	80 - 120	<0.050	mg/L	NC	20		
7590653	Nitrate (N)	2021/09/23	101	80 - 120	99	80 - 120	<0.10	mg/L	3.0	20		
7590653	Nitrite (N)	2021/09/23	98	80 - 120	102	80 - 120	<0.010	mg/L	NC	20		
7591283	Dissolved Chloride (Cl-)	2021/09/22	115	80 - 120	104	80 - 120	<1.0	mg/L	2.5	20		
7591287	Dissolved Sulphate (SO4)	2021/09/22	113	75 - 125	104	80 - 120	<1.0	mg/L	13	20		
7593096	Alkalinity (Total as CaCO3)	2021/09/23			96	85 - 115	<1.0	mg/L	0.12	20		
7593546	Mercury (Hg)	2021/09/23	98	75 - 125	98	80 - 120	<0.00001	mg/L	NC	20		
7594354	Benzene	2021/09/22	87	50 - 140	89	50 - 140	<0.20	ug/L	NC	30		
7594354	Ethylbenzene	2021/09/22	94	50 - 140	94	50 - 140	<0.20	ug/L	3.9	30		
7594354	o-Xylene	2021/09/22	92	50 - 140	94	50 - 140	<0.20	ug/L	1.9	30		
7594354	p+m-Xylene	2021/09/22	95	50 - 140	98	50 - 140	<0.40	ug/L	NC	30		
7594354	Toluene	2021/09/22	87	50 - 140	89	50 - 140	<0.20	ug/L	2.4	30		
7594354	Total Xylenes	2021/09/22					<0.40	ug/L	1.9	30		
7595014	Total Oil & Grease	2021/09/23			99	85 - 115	<0.50	mg/L	0.76	25		
7598887	Total Phosphorus (P)	2021/09/23	96	80 - 120	95	80 - 120	<0.0010	mg/L	NC	20	87	80 - 120
7599240	Total Aluminum (Al)	2021/09/24	102	80 - 120	102	80 - 120	<0.0030	mg/L				
7599240	Total Arsenic (As)	2021/09/24	98	80 - 120	98	80 - 120	<0.00010	mg/L	7.2	20		
7599240	Total Cadmium (Cd)	2021/09/24	99	80 - 120	100	80 - 120	<0.000010	mg/L				
7599240	Total Chromium (Cr)	2021/09/24	95	80 - 120	97	80 - 120	<0.0010	mg/L				
7599240	Total Cobalt (Co)	2021/09/24	95	80 - 120	97	80 - 120	<0.00020	mg/L				
7599240	Total Copper (Cu)	2021/09/24	95	80 - 120	97	80 - 120	<0.00050	mg/L	NC	20		
7599240	Total Iron (Fe)	2021/09/24	103	80 - 120	101	80 - 120	<0.010	mg/L				
7599240	Total Lead (Pb)	2021/09/24	103	80 - 120	103	80 - 120	<0.00020	mg/L	NC	20		
7599240	Total Manganese (Mn)	2021/09/24	97	80 - 120	99	80 - 120	<0.0010	mg/L				
7599240	Total Molybdenum (Mo)	2021/09/24	99	80 - 120	101	80 - 120	<0.0010	mg/L				
7599240	Total Nickel (Ni)	2021/09/24	98	80 - 120	99	80 - 120	<0.0010	mg/L	NC	20		
7599240	Total Selenium (Se)	2021/09/24	98	80 - 120	98	80 - 120	<0.00010	mg/L				



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BV Labs Job #: C1Q9729

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QUALITY ASSURANCE REPORT(CONT'D)

Agnico Eagle

Your P.O. #: 997577

Sampler Initials: IC

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
7599240	Total Thallium (Tl)	2021/09/24	99	80 - 120	99	80 - 120	<0.000010	mg/L				
7599240	Total Uranium (U)	2021/09/24	104	80 - 120	109	80 - 120	<0.00010	mg/L				
7599240	Total Zinc (Zn)	2021/09/24	99	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 $\leq 2 \times \text{RDL}$).



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VALIDATION SIGNATURE PAGE

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

Brad Newman, B.Sc., C.Chem., Scientific Service Specialist

David Huang, BBY Scientific Specialist

Sze Yeung Fock, B.Sc., Scientific Specialist

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