Your P.O. #: 997577
Your C.O.C. #: 414551

Attention: Reporting

Agnico Eagle
Meadowbank
Meadowbank
Keewatin, NU
CANADA P0X 0A1

Report Date: 2021/10/04
Report #: R6839919
Version: 1 - Final

CERTIFICATE OF ANALYSIS

BV LABS JOB #: C1S5850
Received: 2021/10/01, 09:30

Sample Matrix: Soil
Samples Received: 4

Analyses	Quantity	Date Extracted	Date Analyzed	Laboratory Method	Analytical Method
F4G (CCME Hydrocarbons Gravimetric) (1)	4	2021/10/04	2021/10/04	CAM SOP-00316	CCME PHC-CWS m
Glycols in Soil by GC-FID (1)	4	N/A	2021/10/04	CAM SOP-00322	EPA 8015 m
Acid Extractable Metals by ICPMS (1)	4	2021/10/04	2021/10/04	CAM SOP-00447	EPA 6020B m
Moisture (1)	4	N/A	2021/10/04	CAM SOP-00445	Carter 2nd ed 51.2 m
Ammonia-N (1)	4	2021/10/04	2021/10/04	CAM SOP-00441	Carter, SS&A
Volatile Organic Compounds and F1 PHCs (1)	4	N/A	2021/10/04	CAM SOP-00230	EPA 8260C 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.

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

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Received: 2021/10/01, 09:30

Encryption Key

Katherine Szozda
Project Manager
04 Oct 2021 18:45:57

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 #: C1S5850
Report Date: 2021/10/04

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

RESULTS OF ANALYSES OF SOIL

BV Labs ID		QVC752	QVC753	QVC754			QVC754		
Sampling Date		2021/09/27 09:30	2021/09/27 09:35	2021/09/27 10:30			2021/09/27 10:30		
COC Number		414551	414551	414551			414551		
	UNITS	Spill KM103 #2a	Spill KM103 #2b	Spill KM103 #5a	RDL	QC Batch	Spill KM103 #5a Lab-Dup	RDL	QC Batch
Inorganics									
Total Ammonia-N	ug/g	<20	<20	<20	20	7615899	<20	20	7615899
Moisture	%	11	21	20	1.0	7615800			

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

BV Labs ID		QVC755		
Sampling Date		2021/09/27 10:35		
COC Number		414551		
	UNITS	Spill KM103 #5b	RDL	QC Batch
Inorganics				
Total Ammonia-N	ug/g	<20	20	7615899
Moisture	%	17	1.0	7615800

RDL = Reportable Detection Limit
QC Batch = Quality Control Batch

BV Labs Job #: C1S5850
Report Date: 2021/10/04

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

GLYCOLS BY GC-FID (SOIL)

BV Labs ID		QVC752		QVC753		QVC754	QVC755	QVC755		
Sampling Date		2021/09/27 09:30		2021/09/27 09:35		2021/09/27 10:30	2021/09/27 10:35	2021/09/27 10:35		
COC Number		414551		414551		414551	414551	414551		
	UNITS	Spill KM103 #2a	RDL	Spill KM103 #2b	RDL	Spill KM103 #5a	Spill KM103 #5b	Spill KM103 #5b Lab-Dup	RDL	QC Batch
Glycols										
Propylene Glycol	mg/kg	<100	100	<20	20	<10	<10	<10	10	7615885
Ethylene Glycol	mg/kg	6800	100	1600	20	350	490	460	10	7615885
Diethylene Glycol	mg/kg	<100	100	<20	20	<10	<10	<10	10	7615885
Total Glycol	mg/kg	6800	100	1600	20	350	490	460	10	7615885

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

BV Labs Job #: C1S5850
Report Date: 2021/10/04

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

ELEMENTS BY ATOMIC SPECTROSCOPY (SOIL)

BV Labs ID		QVC752	QVC752	QVC753	QVC754	QVC755		
Sampling Date		2021/09/27 09:30	2021/09/27 09:30	2021/09/27 09:35	2021/09/27 10:30	2021/09/27 10:35		
COC Number		414551	414551	414551	414551	414551		
	UNITS	Spill KM103 #2a	Spill KM103 #2a Lab-Dup	Spill KM103 #2b	Spill KM103 #5a	Spill KM103 #5b	RDL	QC Batch
Metals								
Acid Extractable Arsenic (As)	ug/g	8.1	8.3	12	4.1	22	1.0	7616492
Acid Extractable Copper (Cu)	ug/g	66	62	37	23	54	0.50	7616492
Acid Extractable Lead (Pb)	ug/g	7.4	7.5	7.7	13	7.2	1.0	7616492
Acid Extractable Nickel (Ni)	ug/g	450	440	220	43	370	0.50	7616492
Acid Extractable Zinc (Zn)	ug/g	50	45	46	68	49	5.0	7616492

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

BV Labs Job #: C1S5850
Report Date: 2021/10/04

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

VOLATILE ORGANICS BY GC/MS (SOIL)

BV Labs ID		QVC752	QVC753	QVC754	QVC755		
Sampling Date		2021/09/27 09:30	2021/09/27 09:35	2021/09/27 10:30	2021/09/27 10:35		
COC Number		414551	414551	414551	414551		
	UNITS	Spill KM103 #2a	Spill KM103 #2b	Spill KM103 #5a	Spill KM103 #5b	RDL	QC Batch
Volatile Organics							
Benzene	ug/g	<0.0060	<0.0060	<0.0060	<0.0060	0.0060	7615795
Ethylbenzene	ug/g	<0.010	<0.010	<0.010	<0.010	0.010	7615795
Toluene	ug/g	<0.020	<0.020	<0.020	<0.020	0.020	7615795
p+m-Xylene	ug/g	<0.020	<0.020	<0.020	<0.020	0.020	7615795
o-Xylene	ug/g	<0.020	<0.020	<0.020	<0.020	0.020	7615795
Total Xylenes	ug/g	<0.020	<0.020	<0.020	<0.020	0.020	7615795
Surrogate Recovery (%)							
4-Bromofluorobenzene	%	97	95	95	94		7615795
D10-o-Xylene	%	91	94	89	91		7615795
D4-1,2-Dichloroethane	%	107	108	111	112		7615795
D8-Toluene	%	91	93	91	91		7615795

RDL = Reportable Detection Limit
QC Batch = Quality Control Batch

BV Labs Job #: C1S5850
Report Date: 2021/10/04

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

PETROLEUM HYDROCARBONS (CCME)

BV Labs ID		QVC752	QVC753	QVC754	QVC755		
Sampling Date		2021/09/27 09:30	2021/09/27 09:35	2021/09/27 10:30	2021/09/27 10:35		
COC Number		414551	414551	414551	414551		
	UNITS	Spill KM103 #2a	Spill KM103 #2b	Spill KM103 #5a	Spill KM103 #5b	RDL	QC Batch
F2-F4 Hydrocarbons							
Total Oil and Grease	ug/g	<100	<100	<100	<100	100	7615941

RDL = Reportable Detection Limit
QC Batch = Quality Control Batch

BV Labs Job #: C1S5850
Report Date: 2021/10/04

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

TEST SUMMARY

BV Labs ID: QVC752
Sample ID: Spill KM103 #2a
Matrix: Soil

Collected: 2021/09/27
Shipped:
Received: 2021/10/01

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
F4G (CCME Hydrocarbons Gravimetric)	BAL	7615941	2021/10/04	2021/10/04	Jignakumari Mistry
Glycols in Soil by GC-FID	GC/FID	7615885	N/A	2021/10/04	Domnica Andronescu
Acid Extractable Metals by ICPMS	ICP/MS	7616492	2021/10/04	2021/10/04	Daniel Teclu
Moisture	BAL	7615800	N/A	2021/10/04	Muhammad Chhaidan
Ammonia-N	LACH/NH4	7615899	2021/10/04	2021/10/04	Amanpreet Sappal
Volatile Organic Compounds and F1 PHCs	GC/MSFD	7615795	N/A	2021/10/04	Denis Reid

BV Labs ID: QVC752 Dup
Sample ID: Spill KM103 #2a
Matrix: Soil

Collected: 2021/09/27
Shipped:
Received: 2021/10/01

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
Acid Extractable Metals by ICPMS	ICP/MS	7616492	2021/10/04	2021/10/04	Daniel Teclu

BV Labs ID: QVC753
Sample ID: Spill KM103 #2b
Matrix: Soil

Collected: 2021/09/27
Shipped:
Received: 2021/10/01

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
F4G (CCME Hydrocarbons Gravimetric)	BAL	7615941	2021/10/04	2021/10/04	Jignakumari Mistry
Glycols in Soil by GC-FID	GC/FID	7615885	N/A	2021/10/04	Domnica Andronescu
Acid Extractable Metals by ICPMS	ICP/MS	7616492	2021/10/04	2021/10/04	Daniel Teclu
Moisture	BAL	7615800	N/A	2021/10/04	Muhammad Chhaidan
Ammonia-N	LACH/NH4	7615899	2021/10/04	2021/10/04	Amanpreet Sappal
Volatile Organic Compounds and F1 PHCs	GC/MSFD	7615795	N/A	2021/10/04	Denis Reid

BV Labs ID: QVC754
Sample ID: Spill KM103 #5a
Matrix: Soil

Collected: 2021/09/27
Shipped:
Received: 2021/10/01

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
F4G (CCME Hydrocarbons Gravimetric)	BAL	7615941	2021/10/04	2021/10/04	Jignakumari Mistry
Glycols in Soil by GC-FID	GC/FID	7615885	N/A	2021/10/04	Domnica Andronescu
Acid Extractable Metals by ICPMS	ICP/MS	7616492	2021/10/04	2021/10/04	Daniel Teclu
Moisture	BAL	7615800	N/A	2021/10/04	Muhammad Chhaidan
Ammonia-N	LACH/NH4	7615899	2021/10/04	2021/10/04	Amanpreet Sappal
Volatile Organic Compounds and F1 PHCs	GC/MSFD	7615795	N/A	2021/10/04	Denis Reid

BV Labs ID: QVC754 Dup
Sample ID: Spill KM103 #5a
Matrix: Soil

Collected: 2021/09/27
Shipped:
Received: 2021/10/01

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
Ammonia-N	LACH/NH4	7615899	2021/10/04	2021/10/04	Amanpreet Sappal

BV Labs Job #: C1S5850
Report Date: 2021/10/04

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

TEST SUMMARY

BV Labs ID: QVC755
Sample ID: Spill KM103 #5b
Matrix: Soil

Collected: 2021/09/27
Shipped:
Received: 2021/10/01

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
F4G (CCME Hydrocarbons Gravimetric)	BAL	7615941	2021/10/04	2021/10/04	Jignakumari Mistry
Glycols in Soil by GC-FID	GC/FID	7615885	N/A	2021/10/04	Domnica Andronescu
Acid Extractable Metals by ICPMS	ICP/MS	7616492	2021/10/04	2021/10/04	Daniel Teclu
Moisture	BAL	7615800	N/A	2021/10/04	Muhammad Chhaidan
Ammonia-N	LACH/NH4	7615899	2021/10/04	2021/10/04	Amanpreet Sappal
Volatile Organic Compounds and F1 PHCs	GC/MSFD	7615795	N/A	2021/10/04	Denis Reid

BV Labs ID: QVC755 Dup
Sample ID: Spill KM103 #5b
Matrix: Soil

Collected: 2021/09/27
Shipped:
Received: 2021/10/01

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
Glycols in Soil by GC-FID	GC/FID	7615885	N/A	2021/10/04	Domnica Andronescu

GENERAL COMMENTS

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

Package 1	15.3°C

Sample QVC752 [Spill KM103 #2a] : Glycols analysis : Due to high concentration of target analytes, sample required dilution. Reporting limits were adjusted accordingly.

Sample QVC753 [Spill KM103 #2b] : Glycols analysis : Due to high concentration of target analytes, sample required dilution. Reporting limits were adjusted accordingly.

Sample QVC754 [Spill KM103 #5a] : VOCF1 Analysis: Soil weight exceeds the protocol specification of approximately 5g in the field preserved vial. Additional methanol was added to the vial to ensure extraction efficiency

PETROLEUM HYDROCARBONS (CCME)

F4G (CCME Hydrocarbons Gravimetric): The recovery in the matrix spike was not calculated (NC). Because of the high concentration of this analyte in the parent sample, the relative difference between the spiked and unspiked concentrations is not sufficiently significant to permit a reliable recovery calculation.

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 #: C1S5850
Report Date: 2021/10/04

QUALITY ASSURANCE REPORT

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

			Matrix Spike		SPIKED BLANK		Method Blank		RPD	
QC Batch	Parameter	Date	% Recovery	QC Limits	% Recovery	QC Limits	Value	UNITS	Value (%)	QC Limits
7615795	4-Bromofluorobenzene	2021/10/04	103	60 - 140	102	60 - 140	98	%		
7615795	D10-o-Xylene	2021/10/04	106	60 - 130	101	60 - 130	88	%		
7615795	D4-1,2-Dichloroethane	2021/10/04	111	60 - 140	111	60 - 140	114	%		
7615795	D8-Toluene	2021/10/04	105	60 - 140	103	60 - 140	89	%		
7615795	Benzene	2021/10/04	101	60 - 140	94	60 - 130	<0.0060	ug/g	NC	50
7615795	Ethylbenzene	2021/10/04	92	60 - 140	84	60 - 130	<0.010	ug/g	NC	50
7615795	o-Xylene	2021/10/04	93	60 - 140	87	60 - 130	<0.020	ug/g	NC	50
7615795	p+m-Xylene	2021/10/04	96	60 - 140	89	60 - 130	<0.020	ug/g	NC	50
7615795	Toluene	2021/10/04	106	60 - 140	98	60 - 130	<0.020	ug/g	NC	50
7615795	Total Xylenes	2021/10/04					<0.020	ug/g	NC	50
7615800	Moisture	2021/10/04							5.0	20
7615885	Diethylene Glycol	2021/10/04	94	60 - 140	96	60 - 140	<10	mg/kg	NC	50
7615885	Ethylene Glycol	2021/10/04	135	60 - 140	99	60 - 140	<10	mg/kg	5.1	50
7615885	Propylene Glycol	2021/10/04	99	60 - 140	103	60 - 140	<10	mg/kg	NC	50
7615885	Total Glycol	2021/10/04					<10	mg/kg	5.1	50
7615899	Total Ammonia-N	2021/10/04	97	80 - 120	106	80 - 120	<20	ug/g	NC	35
7615941	Total Oil and Grease	2021/10/04	NC	65 - 135	101	65 - 135	<100	ug/g	9.8	50
7616492	Acid Extractable Arsenic (As)	2021/10/04	91	75 - 125	96	80 - 120	<1.0	ug/g	2.3	30
7616492	Acid Extractable Copper (Cu)	2021/10/04	NC	75 - 125	96	80 - 120	<0.50	ug/g	6.7	30
7616492	Acid Extractable Lead (Pb)	2021/10/04	95	75 - 125	98	80 - 120	<1.0	ug/g	0.092	30
7616492	Acid Extractable Nickel (Ni)	2021/10/04	NC	75 - 125	91	80 - 120	<0.50	ug/g	1.6	30
7616492	Acid Extractable Zinc (Zn)	2021/10/04	NC	75 - 125	82	80 - 120	<5.0	ug/g	11	30

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.

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

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

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

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

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

BV Labs Job #: C1S5850
Report Date: 2021/10/04

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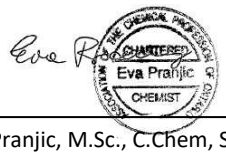
Sampler Initials: KN

VALIDATION SIGNATURE PAGE

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



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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Exceedance Summary Table – Metal Mining Effluent Reg

Result Exceedances

Sample ID	BV Labs 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.

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