



Analytical Report

Company: **Agnico-Eagle Exploration**

Client: M. David Frenette
Address: 765, chemin de la mine Goldex
Val-d'Or Québec J9P 4N9
Phone: (819) 874-5980 (3622)

Lab number: V-74007

Sampling location: n/d

Sampling date: April 23, 2018

Sample name: MEL-LAKE-004 (during)

Sampling hour: 12:00

Sampled by: Frédéric Lunel

Date received: April 27, 2018

Matrix: Surface Water

Drinking water distribution: **OP-670424**

Reported on: May 08, 2018

Unless otherwise stated, all samples were received in acceptable condition.

Results relate only to the sample tested.

All samples will be disposed of after 30 days following analysis.

Sauf indication contraire, tous les échantillons ont été reçus en bon état.
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Analytical Report

Lab number: V-74007

Sample name: MEL-LAKE-004 (during)

Sampling date: April 23, 2018

Sampling location: n/d

Sampling hour: 12:00

Parameter	Result	Method name	Analysis date
Aluminium (Al)	0.017 mg/L	Sous-traitance\Multilab Direct	May 04, 2018
Antimony (Sb)	<0.0001 mg/L	Sous-traitance\Multilab Direct	May 04, 2018
Silver (Ag)	<0.0001 mg/L	Sous-traitance\Multilab Direct	May 04, 2018
Arsenic (As)	<0.0005 mg/L	Sous-traitance\Multilab Direct	May 04, 2018
Barium (Ba)	0.0118 mg/L	Sous-traitance\Multilab Direct	May 04, 2018
Beryllium (Be)	<0.0005 mg/L	Sous-traitance\Multilab Direct	May 04, 2018
Boron (B)	<0.01 mg/L	Sous-traitance\Multilab Direct	May 04, 2018
Cadmium (Cd)	<0.00002 mg/L	Sous-traitance\Multilab Direct	May 04, 2018
Calcium (Ca)	10.8 mg/L	Sous-traitance\Multilab Direct	May 04, 2018
Chloride	14.9 mg/L	Sous-traitance\Multilab Direct	April 30, 2018
Chrome (Cr)	<0.0006 mg/L	Sous-traitance\Multilab Direct	May 04, 2018
Conductivity	110 µmhos/cm	M-TIT-1.0	April 30, 2018
Copper (Cu)	0.0011 mg/L	Sous-traitance\Multilab Direct	May 04, 2018
Hardness	34 mg CaCO3/L	Sous-traitance\Multilab Direct	May 04, 2018
Tin (Sn)	<0.001 mg/L	Sous-traitance\Multilab Direct	May 04, 2018
Iron (Fe)	<0.01 mg/L	Sous-traitance\Multilab Direct	May 04, 2018
Lithium (Li)	0.040 mg/L	Sous-traitance\Multilab Direct	May 04, 2018
Total Suspended Solids	1 mg/L	M-SOLI-1.0	May 02, 2018
Magnesium (Mg)	1.80 mg/L	Sous-traitance\Multilab Direct	May 04, 2018
Manganese (Mn)	0.0009 mg/L	Sous-traitance\Multilab Direct	May 04, 2018
Mercury (Hg)	<0.00001 mg/L	Sous-traitance\Multilab Direct	May 02, 2018
Molybdenum (Mo)	<0.0005 mg/L	Sous-traitance\Multilab Direct	May 04, 2018
Nickel (Ni)	0.0006 mg/L	Sous-traitance\Multilab Direct	May 04, 2018
pH	7.19	M-TIT-1.0	April 30, 2018
Lead (Pb)	<0.0003 mg/L	Sous-traitance\Multilab Direct	May 04, 2018
Potassium (K)	1.36 mg/L	Sous-traitance\Multilab Direct	May 04, 2018
Selenium (Se)	<0.001 mg/L	Sous-traitance\Multilab Direct	May 04, 2018
Sodium (Na)	6.76 mg/L	Sous-traitance\Multilab Direct	May 04, 2018
Strontium (Sr)	0.053 mg/L	Sous-traitance\Multilab Direct	May 04, 2018
Sulfate (SO4)	9.7 mg SO4/L	Sous-traitance\Multilab Direct	May 03, 2018
Titanium (Ti)	0.01 mg/L	Sous-traitance\Multilab Direct	May 04, 2018
Turbidity	0.65 NTU	Sous-traitance\Multilab Direct	April 30, 2018
Uranium (U)	<0.001 mg/L	Sous-traitance\Multilab Direct	May 04, 2018
Vanadium (V)	<0.0005 mg/L	Sous-traitance\Multilab Direct	May 04, 2018
Zinc (Zn)	0.004 mg/L	Sous-traitance\Multilab Direct	May 04, 2018

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Detection limit

Lab number: V-74007

Sample name: MEL-LAKE-004 (during)

Sampling date: April 23, 2018

Sampling location: n/d

Sampling hour: 12:00

Parameter	Value	Unit	Method	Accreditation
Aluminium (Al)	0.003	mg/L	Sous-traitance	
Antimony (Sb)	0.0001	mg/L	Sous-traitance	Yes
Silver (Ag)	0.0001	mg/L	Sous-traitance	Yes
Arsenic (As)	0.0005	mg/L	Sous-traitance	Yes
Barium (Ba)	0.0005	mg/L	Sous-traitance	Yes
Beryllium (Be)	0.0005	mg/L	Sous-traitance	
Boron (B)	0.01	mg/L	Sous-traitance	Yes
Cadmium (Cd)	0.00002	mg/L	Sous-traitance	Yes
Calcium (Ca)	0.03	mg/L	Sous-traitance	Yes
Chloride	0.5	mg/L	Sous-traitance	Yes
Chrome (Cr)	0.0006	mg/L	Sous-traitance	Yes
Conductivity	1	µmhos/cm	M-TIT-1.0	Yes
Copper (Cu)	0.0005	mg/L	Sous-traitance	Yes
Hardness	1	mg CaCO3/L	Sous-traitance	
Tin (Sn)	0.001	mg/L	Sous-traitance	Yes
Iron (Fe)	0.01	mg/L	Sous-traitance	Yes
Lithium (Li)	0.005	mg/L	Sous-traitance	
Total Suspended Solids	1	mg/L	M-SOLI-1.0	Yes
Magnesium (Mg)	0.02	mg/L	Sous-traitance	Yes
Manganese (Mn)	0.0005	mg/L	Sous-traitance	Yes
Mercury (Hg)	0.00001	mg/L	Sous-traitance	Yes
Molybdenum (Mo)	0.0005	mg/L	Sous-traitance	Yes
Nickel (Ni)	0.0005	mg/L	Sous-traitance	Yes
pH			M-TIT-1.0	Yes
Lead (Pb)	0.0003	mg/L	Sous-traitance	Yes
Potassium (K)	0.05	mg/L	Sous-traitance	
Selenium (Se)	0.001	mg/L	Sous-traitance	Yes
Sodium (Na)	0.05	mg/L	Sous-traitance	Yes
Strontium (Sr)	0.005	mg/L	Sous-traitance	
Sulfate (SO4)	0.6	mg SO4/L	Sous-traitance	Yes
Titanium (Ti)	0.01	mg/L	Sous-traitance	
Turbidity	0.02	UTN	Sous-traitance	Yes
Uranium (U)	0.001	mg/L	Sous-traitance	
Vanadium (V)	0.0005	mg/L	Sous-traitance	Yes
Zinc (Zn)	0.001	mg/L	Sous-traitance	Yes

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Quality control Report

Lab number: V-74007

Sample name: MEL-LAKE-004 (during)

Sampling date: April 23, 2018

Sampling location: n/d

Sampling hour: 12:00

Parameter	
Aluminium (Al) mg/L	Blank <0.006 Standard name C00-046-705_X_1000 Result 1.05 Accuracy 95% Limit 0.800 - 1.200
Antimony (Sb) mg/L	Blank <0.0001 Standard name C00-046-705_X_1000 Result 0.0097 Accuracy 97% Limit 0.0080 - 0.0120
Silver (Ag) mg/L	Blank <0.0001 Standard name DMR-0166-2018-Ag Result 0.0324 Accuracy 97.5% Limit 0.0253 - 0.0379
Arsenic (As) mg/L	Blank <0.0005 Standard name C00-046-705_X_1000 Result 0.0925 Accuracy 92.5% Limit 0.0700 - 0.1300
Barium (Ba) mg/L	Blank <0.0005 Standard name C00-046-705_X_1000 Result 0.0997 Accuracy 99.7% Limit 0.0800 - 0.1200
Beryllium (Be) mg/L	Blank <0.0005 Standard name C00-046-705_X_1000 Result 0.0939 Accuracy 93.9% Limit 0.0800 - 0.1200
Boron (B) mg/L	Blank <0.01 Standard name C00-046-705_X_1000 Result 0.94 Accuracy 94% Limit 0.800 - 1.200
Cadmium (Cd) mg/L	Blank <0.00002 Standard name C00-046-705_X_1000 Result 0.09184 Accuracy 91.8% Limit 0.0800 - 0.1200

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Quality control Report

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Sample name: MEL-LAKE-004 (during)

Sampling date: April 23, 2018

Sampling location: n/d

Sampling hour: 12:00

Parameter	
Calcium (Ca) mg/L	Blank <0.03 Standard name C00-046-705_X_1000 Result 0.85 Accuracy 85% Limit 0.800 - 1.200
Chloride mg/L	Blank <0.5 Standard name DMR-0166-2018-CL Result 110 Accuracy 98.1% Limit 95 - 121
Chrome (Cr) mg/L	Blank <0.0006 Standard name C00-046-705_X_1000 Result 0.0893 Accuracy 89.3% Limit 0.0800 - 0.1200
Conductivity µmhos/cm	Standard name STD cond maison Result 1453 Accuracy 97.3% Limit 1203 - 1627
Copper (Cu) mg/L	Blank <0.0005 Standard name C00-046-705_X_1000 Result 0.0974 Accuracy 97.4% Limit 0.0800 - 0.1200
Tin (Sn) mg/L	Blank <0.001 Standard name DMR-0104-2018-Sn Result 9.29 Accuracy 92% Limit 8.1 - 12.1
Iron (Fe) mg/L	Blank <0.01 Standard name C00-046-705_X_1000 Result 1.06 Accuracy 94% Limit 0.800 - 1.200
Lithium (Li) mg/L	Blank <0.005 Standard name Qc 222509-SrLi 1.2 Result 1.10 Accuracy 91.7% Limit 1.0 - 1.4
Total Suspended Solids mg/L	Blank <1

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Sample name: MEL-LAKE-004 (during)

Sampling date: April 23, 2018

Sampling location: n/d

Sampling hour: 12:00

Parameter	
	Standard name STD-MES 25mg/L
	Result 22
	Accuracy 88%
	Limit 19 - 31
Magnesium (Mg) mg/L	Blank <0.02
	Standard name C00-046-705_X_1000
	Result 0.93
	Accuracy 93%
	Limit 0.800 - 1.200
Manganese (Mn) mg/L	Blank <0.0005
	Standard name C00-046-705_X_1000
	Result 0.1022
	Accuracy 97.8%
	Limit 0.0800 - 0.1200
Mercury (Hg) mg/L	Blank <0.00001
	Standard name QC HgEu-226890-S140102033
	Result 0.00233
	Accuracy 77.7%
	Limit 0.002 - 0.004
Molybdenum (Mo) mg/L	Blank <0.0005
	Standard name C00-046-705_X_1000
	Result 0.0845
	Accuracy 84.5%
	Limit 0.0800 - 0.1200
Nickel (Ni) mg/L	Blank <0.0005
	Standard name C00-046-705_X_1000
	Result 0.0948
	Accuracy 94.8%
	Limit 0.0800 - 0.1200
pH	Standard name STD pH 7.0
	Result 7.02
	Accuracy 99.7%
	Limit 6.96 - 7.04
Lead (Pb) mg/L	Blank <0.0003
	Standard name C00-046-705_X_1000
	Result 0.0906
	Accuracy 90.6%
	Limit 0.0800 - 0.1200
Potassium (K) mg/L	Blank <0.05
	Standard name C00-046-705_X_1000

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Quality control Report

Lab number: V-74007

Sample name: MEL-LAKE-004 (during)

Sampling date: April 23, 2018

Sampling location: n/d

Sampling hour: 12:00

Parameter		
Selenium (Se) mg/L	Result 0.89	
	Accuracy 89%	
	Limit 0.800 - 1.200	
	Blank <0.001	
	Standard name C00-046-705_X_1000	
Sodium (Na) mg/L	Result 0.090	
	Accuracy 90%	
	Limit 0.0800 - 0.1200	
	Blank <0.05	
	Standard name C00-046-705_X_1000	
Strontium (Sr) mg/L	Result 0.89	
	Accuracy 89%	
	Limit 0.800 - 1.200	
	Blank <0.005	
	Standard name Qc 222509-SrLi 1.2	
Titanium (Ti) mg/L	Result 1.13	
	Accuracy 94.2%	
	Limit 1.0 - 1.4	
	Blank <0.01	
	Standard name DMR-0166-2018-TURBIDITÉ	
Turbidity UTN	Result 9.28	
	Accuracy 98.4%	
	Limit 7.76 - 10.50	
	Blank <0.001	
	Standard name C00-046-705_X_1000	
Uranium (U) mg/L	Result 0.101	
	Accuracy 99%	
	Limit 0.0800 - 0.1200	
	Blank <0.0005	
	Standard name C00-046-705_X_1000	
Vanadium (V) mg/L	Result 0.0915	
	Accuracy 91.5%	
	Limit 0.0800 - 0.1200	
	Blank <0.001	
	Standard name C00-046-705_X_1000	
Zinc (Zn) mg/L	Result 0.097	
	Accuracy 97%	
	Limit 0.0800 - 0.1200	

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Additional information

Lab number: V-74007

Sample name: MEL-LAKE-004 (during)

Sampling location: n/d

Sampling date: April 23, 2018

Sampling hour: 12:00

Lab method	Method reference
M-MET-3.0	MA.200-Mét. 1.2
M-CL-2.0	MA.300-Ions 1.3
M-TIT-1.0	MA.303-Titr Auto 2.0
M-SOLI-1.0	MA.104-S.S. 1.1
M-SULF-2.0	MA.300-Ions 1.3
M-TURB-1.0	MA.103-Tur. 1.0

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