



# Analytical Report

Company: **Agnico-Eagle Exploration**

Client: M. David Frenette  
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Phone: (819) 874-5980 (3622)

**Lab number: V-73833**

Sampling location: N/D

Sampling date: April 19, 2018

Sample name: MEL-LAKE-004 (before)

Sampling hour: 15:00

Sampled by: FL

Date received: April 24, 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.

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# Analytical Report

Lab number: V-73833

Sample name: MEL-LAKE-004 (before)

Sampling date: April 19, 2018

Sampling location: N/D

Sampling hour: 15:00

| Parameter                  | Result                     | Method name                    | Analysis date  |
|----------------------------|----------------------------|--------------------------------|----------------|
| Aluminium (Al)             | <0.006 mg/L                | Sous-traitance\Multilab Direct | May 01, 2018   |
| Antimony (Sb)              | <0.0001 mg/L               | Sous-traitance\Multilab Direct | May 02, 2018   |
| Silver (Ag)                | <0.0001 mg/L               | Sous-traitance\Multilab Direct | May 02, 2018   |
| Arsenic (As)               | <0.0005 mg/L               | Sous-traitance\Multilab Direct | May 01, 2018   |
| Barium (Ba)                | 0.0099 mg/L                | Sous-traitance\Multilab Direct | May 01, 2018   |
| Beryllium (Be)             | <0.0005 mg/L               | Sous-traitance\Multilab Direct | May 01, 2018   |
| Boron (B)                  | <0.01 mg/L                 | Sous-traitance\Multilab Direct | May 01, 2018   |
| Cadmium (Cd)               | <0.00002 mg/L              | Sous-traitance\Multilab Direct | May 01, 2018   |
| Calcium (Ca)               | 9.19 mg/L                  | Sous-traitance\Multilab Direct | May 01, 2018   |
| Chloride                   | 12.7 mg/L                  | Sous-traitance\Multilab Direct | April 25, 2018 |
| Chrome (Cr)                | 0.0035 mg/L                | Sous-traitance\Multilab Direct | May 01, 2018   |
| Conductivity               | 101 µmhos/cm               | M-TIT-1.0                      | April 24, 2018 |
| Copper (Cu)                | 0.0022 mg/L                | Sous-traitance\Multilab Direct | May 01, 2018   |
| Hardness                   | 29 mg CaCO <sub>3</sub> /L | Sous-traitance\Multilab Direct | May 01, 2018   |
| Tin (Sn)                   | <0.001 mg/L                | Sous-traitance\Multilab Direct | May 01, 2018   |
| Iron (Fe)                  | 0.05 mg/L                  | Sous-traitance\Multilab Direct | May 01, 2018   |
| Lithium (Li)               | <0.005 mg/L                | Sous-traitance\Multilab Direct | May 04, 2018   |
| Total Suspended Solids     | <1 mg/L                    | M-SOLI-1.0                     | April 25, 2018 |
| Magnesium (Mg)             | 1.64 mg/L                  | Sous-traitance\Multilab Direct | May 01, 2018   |
| Manganese (Mn)             | 0.0015 mg/L                | Sous-traitance\Multilab Direct | May 01, 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 01, 2018   |
| Nickel (Ni)                | 0.0029 mg/L                | Sous-traitance\Multilab Direct | May 01, 2018   |
| pH                         | 7.15                       | M-TIT-1.0                      | April 24, 2018 |
| Lead (Pb)                  | <0.0003 mg/L               | Sous-traitance\Multilab Direct | May 01, 2018   |
| Potassium (K)              | 1.35 mg/L                  | Sous-traitance\Multilab Direct | May 01, 2018   |
| Selenium (Se)              | <0.001 mg/L                | Sous-traitance\Multilab Direct | May 01, 2018   |
| Sodium (Na)                | 6.48 mg/L                  | Sous-traitance\Multilab Direct | May 01, 2018   |
| Strontium (Sr)             | 0.045 mg/L                 | Sous-traitance\Multilab Direct | May 04, 2018   |
| Sulfate (SO <sub>4</sub> ) | 4.0 mg SO <sub>4</sub> /L  | Sous-traitance\Multilab Direct | April 26, 2018 |
| Titanium (Ti)              | <0.01 mg/L                 | Sous-traitance\Multilab Direct | May 01, 2018   |
| Turbidity                  | 0.72 NTU                   | Sous-traitance\Multilab Direct | April 25, 2018 |
| Uranium (U)                | <0.001 mg/L                | Sous-traitance\Multilab Direct | May 01, 2018   |
| Vanadium (V)               | <0.0005 mg/L               | Sous-traitance\Multilab Direct | May 01, 2018   |
| Zinc (Zn)                  | 0.001 mg/L                 | Sous-traitance\Multilab Direct | May 01, 2018   |

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## Detection limit

Lab number: V-73833

Sample name: MEL-LAKE-004 (before)

Sampling date: April 19, 2018

Sampling location: N/D

Sampling hour: 15:00

| 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-73833

Sample name: MEL-LAKE-004 (before)

Sampling date: April 19, 2018

Sampling location: N/D

Sampling hour: 15:00

| Parameter           |   |
|---------------------|---|
| Aluminium (Al) mg/L | Blank <0.006<br>Standard name C00-046-705_X_1000<br>Result 0.919<br>Accuracy 91.9%<br>Limit 0.800 - 1.200                                       |
| Antimony (Sb) mg/L  | Blank <0.0001<br>Standard name C00-046-705_X_1000<br>Result 0.0081<br>Accuracy 81%<br>Limit 0.0080 - 0.0120                                     |
| Silver (Ag) mg/L    | Sample duplicate <0.0001-<0.0001<br>Blank <0.0001<br>Standard name DMR-0166-2018-Ag<br>Result 0.0265<br>Accuracy 83.9%<br>Limit 0.0253 - 0.0379 |
| Arsenic (As) mg/L   | Blank <0.0005<br>Standard name C00-046-705_X_1000<br>Result 0.0918<br>Accuracy 91.8%<br>Limit 0.0700 - 0.1300                                   |
| Barium (Ba) mg/L    | Blank <0.0005<br>Standard name C00-046-705_X_1000<br>Result 0.0930<br>Accuracy 93%<br>Limit 0.0800 - 0.1200                                     |
| Beryllium (Be) mg/L | Blank <0.0005<br>Standard name C00-046-705_X_1000<br>Result 0.0893<br>Accuracy 89.3%<br>Limit 0.0800 - 0.1200                                   |
| Boron (B) mg/L      | Blank <0.01<br>Standard name C00-046-705_X_1000<br>Result 0.84<br>Accuracy 84%<br>Limit 0.800 - 1.200   |
| Cadmium (Cd) mg/L   | Blank <0.00002<br>Standard name C00-046-705_X_1000<br>Result 0.08928<br>Accuracy 89.3%  |

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Sampling date: April 19, 2018

Sampling location: N/D

Sampling hour: 15:00

| Parameter             |                                  |
|-----------------------|----------------------------------|
| Calcium (Ca) mg/L     | Limit 0.0800 - 0.1200            |
|                       | Blank <0.03                      |
|                       | Standard name C00-046-705_X_1000 |
|                       | Result 0.90                      |
|                       | Accuracy 90%                     |
| Chloride mg/L         | Limit 0.800 - 1.200              |
|                       | Blank <0.5                       |
|                       | Standard name DMR-0166-2018-CL   |
|                       | Result 96.8                      |
|                       | Accuracy 89.6%                   |
| Chrome (Cr) mg/L      | Limit 95 - 121                   |
|                       | Blank <0.0006                    |
|                       | Standard name C00-046-705_X_1000 |
|                       | Result 0.0971                    |
|                       | Accuracy 97.1%                   |
| Conductivity µmhos/cm | Limit 0.0800 - 0.1200            |
|                       | Standard name STD cond maison    |
|                       | Result 1441                      |
|                       | Accuracy 98.2%                   |
|                       | Limit 1203 - 1627                |
| Copper (Cu) mg/L      | Blank <0.0005                    |
|                       | Standard name C00-046-705_X_1000 |
|                       | Result 0.1093                    |
|                       | Accuracy 90.7%                   |
|                       | Limit 0.0800 - 0.1200            |
| Hardness mg CaCO3/L   | Blank <1                         |
|                       |                                  |
| Tin (Sn) mg/L         | Blank <0.001                     |
|                       | Standard name C00-046-705_X_1000 |
|                       | Result 0.092                     |
|                       | Accuracy 92%                     |
|                       | Limit 0.0800 - 0.1200            |
| Iron (Fe) mg/L        | Blank <0.01                      |
|                       | Standard name C00-046-705_X_1000 |
|                       | Result 1.00                      |
|                       | Accuracy 100%                    |
|                       | Limit 0.800 - 1.200              |
| Lithium (Li) mg/L     | Blank <0.005                     |
|                       | Standard name Qc 222509-SrLi 1.2 |
|                       | Result 1.09                      |
|                       | Accuracy 90.8%                   |

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Sampling location: N/D

Sampling hour: 15:00

| Parameter                   |   |
|-----------------------------|---|
| Total Suspended Solids mg/L | Limit 1.0 - 1.4                         |
|                             | Blank <1                                |
|                             | Standard name STD-MES 25mg/L            |
|                             | Result 23                               |
|                             | Accuracy 92%                            |
| Magnesium (Mg) mg/L         | Limit 19 - 31                           |
|                             | Blank <0.02                             |
|                             | Standard name C00-046-705_X_1000        |
|                             | Result 0.92                             |
|                             | Accuracy 92%                            |
| Manganese (Mn) mg/L         | Limit 0.800 - 1.200                     |
|                             | Blank <0.0005                           |
|                             | Standard name C00-046-705_X_1000        |
|                             | Result 0.0958                           |
|                             | Accuracy 95.8%                          |
| Mercury (Hg) mg/L           | Limit 0.0800 - 0.1200                   |
|                             | Blank <0.00001                          |
|                             | Standard name QC HgEu-226890-S140102033 |
|                             | Result 0.00233                          |
|                             | Accuracy 77.7%                          |
| Molybdenum (Mo) mg/L        | Limit 0.002 - 0.004                     |
|                             | Blank <0.0005                           |
|                             | Standard name C00-046-705_X_1000        |
|                             | Result 0.0818                           |
|                             | Accuracy 81.8%                          |
| Nickel (Ni) mg/L            | Limit 0.0800 - 0.1200                   |
|                             | Blank <0.0005                           |
|                             | Standard name C00-046-705_X_1000        |
|                             | Result 0.1030                           |
|                             | Accuracy 97%                            |
| pH                          | Limit 0.0800 - 0.1200                   |
|                             | Standard name STD pH 7.0                |
|                             | Result 7.03                             |
|                             | Accuracy 99.6%                          |
|                             | Limit 6.96 - 7.04                       |
| Lead (Pb) mg/L              | Blank <0.0003                           |
|                             | Standard name C00-046-705_X_1000        |
|                             | Result 0.0943                           |
|                             | Accuracy 94.3%                          |
|                             | Limit 0.0800 - 0.1200                   |

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Sample name: MEL-LAKE-004 (before)

Sampling date: April 19, 2018

Sampling location: N/D

Sampling hour: 15:00

| Parameter              |   |
|------------------------|---|
| Potassium (K) mg/L     | Blank <0.05<br>Standard name C00-046-705_X_1000<br>Result 0.95<br>Accuracy 95%<br>Limit 0.800 - 1.200         |
| Selenium (Se) mg/L     | Blank <0.001<br>Standard name C00-046-705_X_1000<br>Result 0.089<br>Accuracy 89%<br>Limit 0.0800 - 0.1200     |
| Sodium (Na) mg/L       | Blank <0.05<br>Standard name C00-046-705_X_1000<br>Result 0.94<br>Accuracy 94%<br>Limit 0.800 - 1.200         |
| Strontium (Sr) mg/L    | Blank <0.005<br>Standard name Qc 222509-SrLi 1.2<br>Result 1.12<br>Accuracy 93.3%<br>Limit 1.0 - 1.4          |
| Sulfate (SO4) mg SO4/L | Blank <0.6<br>Standard name DMR-0166-2018-SO4<br>Result 120<br>Accuracy 97.6%<br>Limit 114 - 132              |
| Titanium (Ti) mg/L     | Blank <0.01   |
| Turbidity UTN          | Standard name DMR-0166-2018-TURBIDITÉ<br>Result 10.4<br>Accuracy 86.1%<br>Limit 7.76 - 10.50                  |
| Uranium (U) mg/L       | Blank <0.001<br>Standard name C00-046-705_X_1000<br>Result 0.096<br>Accuracy 96%<br>Limit 0.0800 - 0.1200     |
| Vanadium (V) mg/L      | Blank <0.0005<br>Standard name C00-046-705_X_1000<br>Result 0.0948<br>Accuracy 94.8%<br>Limit 0.0800 - 0.1200 |

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## Additional information

**Lab number:** V-73833

Sample name: MEL-LAKE-004 (before)

Sampling location: N/D

Sampling date: April 19, 2018

Sampling hour: 15:00

| 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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