



Agnico-Eagle - Meliadine Gold Project
ATTN: PHILIP ROY
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Rankin Inlet NU X0C 0G0

Date Received: 20-MAR-15
Report Date: 31-MAR-15 08:03 (MT)
Version: FINAL

Client Phone: 867-759-3002

Certificate of Analysis

Lab Work Order #: L1589889

Project P.O. #: OP-220647

Job Reference:

C of C Numbers:

Legal Site Desc:

Judy Dalmaijer
Account Manager

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[illegible]

* Refer to Referenced Information for Qualifiers (if any) and Methodology.

Reference Information

Sample Parameter Qualifier Key:

| Qualifier | Description |
|-----------|--|
| DLA | Detection Limit adjusted for required dilution |
| MS-B | Matrix Spike recovery could not be accurately calculated due to high analyte background in sample. |
| PEHR | Parameter Exceeded Recommended Holding Time On Receipt: Proceed With Analysis As Requested. |

Test Method References:

| ALS Test Code | Matrix | Test Description | Method Reference** |
|---|--------|---------------------------------|---------------------------------------|
| BOD-WP | Water | Biochemical Oxygen Demand (BOD) | APHA 5210 B |
| The sample is incubated for 5 days at 20 degrees Celcius. Comparison of dissolved oxygen content at the beginning and end of incubation provides a measure of biochemical oxygen demand. If carbonaceous BOD is requested, TCMP is added to the sample to chemically inhibit nitrogenous oxygen demand. If soluble BOD is requested, the sample is filtered prior to analysis. Surface waters have a DL of 1 mg/L. Effluents are diluted according to their history and will have a sample DL of 6 mg/L or greater, depending on the dilutions used. | | | |
| FC-MPN-WP | Water | Fecal Coliform | APHA 9221E |
| The Most Probable Number (MPN) method is based on the Multiple Tube Fermentation technique. The results of examination of replicate tubes and dilutions of a sample are reported after confirmations specific to total coliform, fecal coliform and E. coli are performed. Results are reported in MPN/100 mL for water and MPN/gram for food and solid samples. | | | |
| HPC-PP-WP | Water | Heterotrophic Plate Count | APHA 9215B |
| This is a procedure for estimating the number of live heterotrophic bacteria in water and measuring changes during water treatment and distribution or in swimming pools. In the pour plate method, samples are diluted and plated on to media. After incubation, the colonies are counted and reported as CFU/mL. | | | |
| N-TOTKJ-WP | Water | Total Kjeldahl Nitrogen | Quickchem method 10-107-06-2-E Lachat |
| Samples are digested with a sulphuric acid solution, cooled, diluted with water, and analyzed for ammonia. Total Kjeldahl nitrogen is the sum of free-ammonia and organic nitrogen compounds which are converted to ammonium sulphate through this digestion process. Analysis is performed by Flow Injection Analysis (FIA). The pH of the digested sample is raised to a known, basic pH by neutralization with a concentrated buffer solution. This neutralization converts the ammonium cation to ammonia. The ammonia produced is heated with salicylate and hypochlorite to produce blue colour which is proportional to the ammonia concentration. | | | |
| NH3-COL-WP | Water | Ammonia by colour | APHA 4500 NH3 F |
| Ammonia in water samples forms indophenol when reacted with hypochlorite and phenol. The intensity is amplified by the addition of sodium nitroprusside and measured colourmetrically. | | | |
| NO2+NO3-CALC-WP | Water | Nitrate+Nitrite | CALCULATION |
| NO2-IC-N-WP | Water | Nitrite in Water by IC | EPA 300.1 (mod) |
| Inorganic anions are analyzed by Ion Chromatography with conductivity and/or UV detection. | | | |
| NO3-IC-N-WP | Water | Nitrate in Water by IC | EPA 300.1 (mod) |
| Inorganic anions are analyzed by Ion Chromatography with conductivity and/or UV detection. | | | |
| OGG-TOT-WT | Water | Oil and Grease, Total | APHA 5520 B |
| Sample is extracted with hexane, extract is then evaporated and the residue is weighed to determine total oil and grease. | | | |
| P-T-COL-WP | Water | Phosphorus, Total | APHA 4500 P PHOSPHORUS |
| This analysis is carried out using procedures adapted from APHA Method 4500-P "Phosphorus". Total Phosphorus is determined colourmetrically after persulphate digestion of the sample. | | | |
| PH-WP | Water | pH | APHA 4500H |
| The pH of a sample is the determination of the activity of the hydrogen ions by potentiometric measurement using a standard hydrogen electrode and a reference electrode. | | | |
| SOLIDS-TOTSUS-WP | Water | Total Suspended Solids | APHA 2540 D (modified) |
| Total suspended solids in aqueous matrices is determined gravimetrically after drying the residue at 103 105°C. | | | |
| TC-MPN-WP | Water | Total Coliform | APHA 9221B |
| The Most Probable Number (MPN) method is based on the Multiple Tube Fermentation technique. The results of examination of replicate tubes and dilutions of a sample are reported after confirmations specific to total coliform, fecal coliform and E. coli are performed. Results are reported in MPN/100 mL for water and MPN/gram for food and solid samples. | | | |
| UV-%TRANS-WP | Water | % Transmittance by Spectrometry | APHA 5910B |

Reference Information

Test Method References:

| ALS Test Code | Matrix | Test Description | Method Reference** |
|---|--------|------------------|--------------------|
| This method indicates the total concentration of UV-absorbing compounds found in water and wastewater. The analysis is carried out using procedures adapted from APHA 5910 B. The sample is filtered through a 0.45 um filter and measured for % transmittance in a quartz cell at 254 nm and reported as % Transmittance .The analysis is carried out without pH adjustment. | | | |

** ALS test methods may incorporate modifications from specified reference methods to improve performance.

The last two letters of the above test code(s) indicate the laboratory that performed analytical analysis for that test. Refer to the list below:

| Laboratory Definition Code | Laboratory Location |
|----------------------------|--|
| WP | ALS ENVIRONMENTAL - WINNIPEG, MANITOBA, CANADA |
| WT | ALS ENVIRONMENTAL - WATERLOO, ONTARIO, CANADA |

Chain of Custody Numbers:

GLOSSARY OF REPORT TERMS

Surrogates are compounds that are similar in behaviour to target analyte(s), but that do not normally occur in environmental samples. For applicable tests, surrogates are added to samples prior to analysis as a check on recovery. In reports that display the D.L. column, laboratory objectives for surrogates are listed there.

mg/kg - milligrams per kilogram based on dry weight of sample

mg/kg ww - milligrams per kilogram based on wet weight of sample

mg/kg lwt - milligrams per kilogram based on lipid-adjusted weight

mg/L - unit of concentration based on volume, parts per million.

< - Less than.

D.L. - The reporting limit.

N/A - Result not available. Refer to qualifier code and definition for explanation.

Test results reported relate only to the samples as received by the laboratory.

UNLESS OTHERWISE STATED, ALL SAMPLES WERE RECEIVED IN ACCEPTABLE CONDITION.

Analytical results in unsigned test reports with the DRAFT watermark are subject to change, pending final QC review.



L1589889-COFC



Chain of Custody / Analyse en Chaîne
 Canada Toll Free: 1 800 668 9878
www.alsglobal.com

COC # L1589889

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|--|---|--------------|--|-----------------|-------------|---|--------------|-------|-------|---------------|--|--------------------------------------|--|--|--|--|--|--|--|--|-----------------------------|
| Report To | | | Report Format / Distribution | | | Service Requested (Rush for routine analysis subject to availability) | | | | | | | | | | | | | | | |
| Company: Agnico-Eagle | | | <input checked="" type="checkbox"/> Standard <input type="checkbox"/> Other | | | <input checked="" type="radio"/> Regular (Standard Turnaround Times - Business Days) | | | | | | | | | | | | | | | |
| Contact: Philip Roy / Alexandre Gauthier / Justin MacMillan | | | <input checked="" type="checkbox"/> PDF <input type="checkbox"/> Excel <input type="checkbox"/> Digital <input type="checkbox"/> Fax | | | <input type="radio"/> Priority (2-4 Business Days) - 50% Surcharge - Contact ALS to Confirm TAT | | | | | | | | | | | | | | | |
| Address: Meliadine Gold Project, M+T Expediting Rankin Inlet X0C 0G0 | | | Email 1: philip.roy@agnicoeagle.com | | | <input type="radio"/> Emergency (1-2 Bus. Days) - 100% Surcharge - Contact ALS to Confirm TAT | | | | | | | | | | | | | | | |
| | | | Email 2: ryan.vanengen@agnicoeagle.com | | | <input type="radio"/> Same Day or Weekend Emergency - Contact ALS to Confirm TAT | | | | | | | | | | | | | | | |
| | | | Email 3: justin.macmillan@agnicoeagle.com | | | | | | | | | | | | | | | | | | |
| Phone: _____ Fax: _____ <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No | | | Email 4: alexandre.gauthier@agnicoeagle.com | | | Analysis Request | | | | | | | | | | | | | | | |
| | | | Email 5: _____ | | | | | | | | | | | | | | | | | | |
| Invoice To Same as Report ? | | | Client / Project Information | | | | | | | | | | | | | | | | | | |
| Hardcopy of Invoice with Report? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No | | | Job #: | | | | | | | | | | | | | | | | | | |
| Company: | | | PO / AFE: W 10547 | | | | | | | | | | | | | | | | | | |
| Contact: | | | LSD: | | | | | | | | | | | | | | | | | | |
| Address: | | | | | | | | | | | | | | | | | | | | | |
| Phone: _____ Fax: _____ | | | Quote #: Q 28906 | | | | | | | | | | | | | | | | | | |
| Lab Work Order # (lab use only) | | | ALS Contact: Judy Dalmaijer | | | Sampler: JM | | | | | | | | | | | | | | | Nb of containers or bottles |
| Sample # | Sample Identification (This description will appear on the report) | | Date (dd-mm-yy) | Time (hh:mm) | Sample Type | AEM-STP-WP | BOD | TSS | | | | | | | | | | | | | |
| | STP-Final | | 19-Mar-15 | 6:55 | Water | X | | | | | | | | | | | | | | | |
| | STP-IN | | 19-Mar-15 | 6:50 | Water | | X | X | | | | | | | | | | | | | |
| Special Instructions / Regulations with water or land use (CCME-Freshwater Aquatic Life/BC CSR - Commercial/AB Tier 1 - Natural, etc) / Hazardous Details | | | | | | | | | | | | | | | | | | | | | |
| Failure to complete all portions of this form may delay analysis. Please fill in this form LEGIBLY. | | | | | | | | | | | | | | | | | | | | | |
| By the use of this form the user acknowledges and agrees with the Terms and Conditions as provided on a separate Excel tab. | | | | | | | | | | | | | | | | | | | | | |
| Also provided on another Excel tab are the ALS location addresses, phone numbers and sample container / preservation / holding time table for common analyses. | | | | | | | | | | | | | | | | | | | | | |
| SHIPMENT RELEASE (client use) | | | | | | SHIPMENT RECEPTION (lab use only) | | | | | | SHIPMENT VERIFICATION (lab use only) | | | | | | | | | |
| Released by: | Date (dd-mm-yy) | Time (hh-mm) | Received by: | Date: | Time: | Temperature: | Verified by: | Date: | Time: | Observations: | | | | | | | | | | | |
| Justin MacMillan | 19-Mar-15 | 8:00 | MB | 19-Mar-15 | 9:45 | 3.1 °C | | | | | | | | | | | | | | | |

GENF 18.01 Front

Handwritten signatures and initials:
 [Signature] MPM