GOVERNMENT OF YUKON - EMR
ATTN: Emilie Hamm, Project Officer
2C 4114 4th Avenue Box 2703 K-419
Whitehorse YT Y1A 1H9

Date Received: 25-NOV-16
Report Date: 30-NOV-16 16:13 (MT)
Version: FINAL

Client Phone: 867-667-8712

# Certificate of Analysis

## Lab Work Order #: L1862562

Project P.O. #: NOT SUBMITTED
Job Reference: MOUNT NANSEN
C of C Numbers:
Legal Site Desc:

Can Dang
Senior Account Manager

[This report shall not be reproduced except in full without the written authority of the Laboratory.]

# ALS ENVIRONMENTAL ANALYTICAL REPORT

| | | | | | | |
|---|---|---|---|---|---|---|
| | **Sample ID** | L1862562-1 | | | | |
| | **Description** | Surface | | | | |
| | **Sampled Date** | 25-NOV-16 | | | | |
| | **Sampled Time** | | | | | |
| | **Client ID** | BIOASSAY WATER (BW) | | | | |
| **Grouping** | **Analyte** | | | | | |
| **WATER** | | | | | | |
| **Physical Tests** | Conductivity (uS/cm) | 1560 | | | | |
| | Hardness (as CaCO3) (mg/L) | 829 | | | | |
| | pH (pH) | 7.53 | | | | |
| | Total Suspended Solids (mg/L) | 30.8 | | | | |
| | TDS (Calculated) (mg/L) | 1210 | | | | |
| **Anions and Nutrients** | Alkalinity, Bicarbonate (as CaCO3) (mg/L) | 283 | | | | |
| | Alkalinity, Carbonate (as CaCO3) (mg/L) | <1.0 | | | | |
| | Alkalinity, Hydroxide (as CaCO3) (mg/L) | <1.0 | | | | |
| | Alkalinity, Total (as CaCO3) (mg/L) | 283 | | | | |
| | Ammonia, Total (as N) (mg/L) | 5.64 | | | | |
| | Bromide (Br) (mg/L) | <0.25 DLDS | | | | |
| | Chloride (Cl) (mg/L) | <2.5 DLDS | | | | |
| | Fluoride (F) (mg/L) | <0.10 DLDS | | | | |
| | Nitrate (as N) (mg/L) | 1.00 | | | | |
| | Nitrite (as N) (mg/L) | 0.0225 | | | | |
| | Sulfate (SO4) (mg/L) | 674 | | | | |
| | Anion Sum (meq/L) | 19.8 | | | | |
| | Cation Sum (meq/L) | 19.1 | | | | |
| | Cation - Anion Balance (%) | -1.6 | | | | |
| **Cyanides** | Cyanide, Weak Acid Diss (mg/L) | 0.0063 RRV | | | | |
| | Cyanide, Total (mg/L) | 0.0211 | | | | |
| | Cyanate (mg/L) | <0.20 | | | | |
| | Thiocyanate (SCN) (mg/L) | 5.99 | | | | |
| **Total Metals** | Aluminum (Al)-Total (mg/L) | 0.0161 | | | | |
| | Antimony (Sb)-Total (mg/L) | 0.00048 | | | | |
| | Arsenic (As)-Total (mg/L) | 0.0385 | | | | |
| | Barium (Ba)-Total (mg/L) | 0.0576 | | | | |
| | Beryllium (Be)-Total (mg/L) | <0.000020 | | | | |
| | Bismuth (Bi)-Total (mg/L) | <0.000050 | | | | |
| | Boron (B)-Total (mg/L) | 0.056 | | | | |
| | Cadmium (Cd)-Total (mg/L) | 0.000336 | | | | |
| | Calcium (Ca)-Total (mg/L) | 253 | | | | |
| | Chromium (Cr)-Total (mg/L) | 0.00051 | | | | |
| | Cobalt (Co)-Total (mg/L) | 0.00821 | | | | |
| | Copper (Cu)-Total (mg/L) | 0.00232 | | | | |
| | Iron (Fe)-Total (mg/L) | 11.9 | | | | |
| | Lead (Pb)-Total (mg/L) | <0.000050 | | | | |

* Please refer to the Reference Information section for an explanation of any qualifiers detected.

# ALS ENVIRONMENTAL ANALYTICAL REPORT

| | | | | | | |
|---|---|---|---|---|---|---|
| | **Sample ID** | L1862562-1 | | | | |
| | **Description** | Surface | | | | |
| | **Sampled Date** | 25-NOV-16 | | | | |
| | **Sampled Time** | | | | | |
| | **Client ID** | BIOASSAY WATER (BW) | | | | |
| **Grouping** | **Analyte** | | | | | |
| **WATER** | | | | | | |
| **Total Metals** | Lithium (Li)-Total (mg/L) | 0.0013 | | | | |
| | Magnesium (Mg)-Total (mg/L) | 47.9 | | | | |
| | Manganese (Mn)-Total (mg/L) | 5.96 | | | | |
| | Mercury (Hg)-Total (mg/L) | <0.0000050 | | | | |
| | Molybdenum (Mo)-Total (mg/L) | 0.00101 | | | | |
| | Nickel (Ni)-Total (mg/L) | 0.00309 | | | | |
| | Phosphorus (P)-Total (mg/L) | <0.050 | | | | |
| | Potassium (K)-Total (mg/L) | 6.24 | | | | |
| | Selenium (Se)-Total (mg/L) | 0.000328 | | | | |
| | Silicon (Si)-Total (mg/L) | 8.26 | | | | |
| | Silver (Ag)-Total (mg/L) | 0.000023 | | | | |
| | Sodium (Na)-Total (mg/L) | 38.8 | | | | |
| | Strontium (Sr)-Total (mg/L) | 0.724 | | | | |
| | Sulfur (S)-Total (mg/L) | 256 | | | | |
| | Thallium (Tl)-Total (mg/L) | <0.000010 | | | | |
| | Tin (Sn)-Total (mg/L) | <0.00010 | | | | |
| | Titanium (Ti)-Total (mg/L) | 0.00098 | | | | |
| | Uranium (U)-Total (mg/L) | 0.00185 | | | | |
| | Vanadium (V)-Total (mg/L) | 0.00178 | | | | |
| | Zinc (Zn)-Total (mg/L) | 0.0182 | | | | |
| | Zirconium (Zr)-Total (mg/L) | 0.00064 | | | | |
| **Dissolved Metals** | Dissolved Mercury Filtration Location | LAB | | | | |
| | Dissolved Metals Filtration Location | LAB | | | | |
| | Aluminum (Al)-Dissolved (mg/L) | 0.0030 | | | | |
| | Antimony (Sb)-Dissolved (mg/L) | 0.00040 | | | | |
| | Arsenic (As)-Dissolved (mg/L) | 0.00235 | | | | |
| | Barium (Ba)-Dissolved (mg/L) | 0.0547 | | | | |
| | Beryllium (Be)-Dissolved (mg/L) | <0.000020 | | | | |
| | Bismuth (Bi)-Dissolved (mg/L) | <0.000050 | | | | |
| | Boron (B)-Dissolved (mg/L) | 0.053 | | | | |
| | Cadmium (Cd)-Dissolved (mg/L) | 0.000209 | | | | |
| | Calcium (Ca)-Dissolved (mg/L) | 249 | | | | |
| | Chromium (Cr)-Dissolved (mg/L) | 0.00014 | | | | |
| | Cobalt (Co)-Dissolved (mg/L) | 0.00813 | | | | |
| | Copper (Cu)-Dissolved (mg/L) | 0.00185 | | | | |
| | Iron (Fe)-Dissolved (mg/L) | 0.113 | | | | |
| | Lead (Pb)-Dissolved (mg/L) | <0.000050 | | | | |

* Please refer to the Reference Information section for an explanation of any qualifiers detected.

# ALS ENVIRONMENTAL ANALYTICAL REPORT

| | Sample ID | L1862562-1 | | | | |
|---|---|---|---|---|---|---|
| | Description | Surface | | | | |
| | Sampled Date | 25-NOV-16 | | | | |
| | Sampled Time | | | | | |
| | Client ID | BIOASSAY WATER (BW) | | | | |
| **Grouping** | **Analyte** | | | | | |
| **WATER** | | | | | | |
| **Dissolved Metals** | Lithium (Li)-Dissolved (mg/L) | 0.0010 | | | | |
| | Magnesium (Mg)-Dissolved (mg/L) | 50.2 | | | | |
| | Manganese (Mn)-Dissolved (mg/L) | 6.20 | | | | |
| | Mercury (Hg)-Dissolved (mg/L) | <0.0000050 | | | | |
| | Molybdenum (Mo)-Dissolved (mg/L) | 0.000904 | | | | |
| | Nickel (Ni)-Dissolved (mg/L) | 0.00291 | | | | |
| | Phosphorus (P)-Dissolved (mg/L) | <0.050 | | | | |
| | Potassium (K)-Dissolved (mg/L) | 6.68 | | | | |
| | Selenium (Se)-Dissolved (mg/L) | 0.000298 | | | | |
| | Silicon (Si)-Dissolved (mg/L) | 7.30 | | | | |
| | Silver (Ag)-Dissolved (mg/L) | <0.000010 | | | | |
| | Sodium (Na)-Dissolved (mg/L) | 40.5 | | | | |
| | Strontium (Sr)-Dissolved (mg/L) | 0.704 | | | | |
| | Sulfur (S)-Dissolved (mg/L) | 232 | | | | |
| | Thallium (Tl)-Dissolved (mg/L) | <0.000010 | | | | |
| | Tin (Sn)-Dissolved (mg/L) | <0.00010 | | | | |
| | Titanium (Ti)-Dissolved (mg/L) | <0.00030 | | | | |
| | Uranium (U)-Dissolved (mg/L) | 0.00175 | | | | |
| | Vanadium (V)-Dissolved (mg/L) | <0.00050 | | | | |
| | Zinc (Zn)-Dissolved (mg/L) | 0.0109 | | | | |
| | Zirconium (Zr)-Dissolved (mg/L) | <0.00030 | | | | |

* Please refer to the Reference Information section for an explanation of any qualifiers detected.

# Reference Information

**Qualifiers for Sample Submission Listed:**

| Qualifier | Description |
|---|---|
| WSMT | Water sample(s) for total mercury analysis was not submitted in glass or PTFE container with HCl preservative. Results may be biased low. |

**QC Samples with Qualifiers & Comments:**

| QC Type Description | Parameter | Qualifier | Applies to Sample Number(s) |
|---|---|---|---|
| Matrix Spike | Arsenic (As)-Dissolved | MS-B | L1862562-1 |
| Matrix Spike | Boron (B)-Dissolved | MS-B | L1862562-1 |
| Matrix Spike | Calcium (Ca)-Dissolved | MS-B | L1862562-1 |
| Matrix Spike | Cobalt (Co)-Dissolved | MS-B | L1862562-1 |
| Matrix Spike | Copper (Cu)-Dissolved | MS-B | L1862562-1 |
| Matrix Spike | Magnesium (Mg)-Dissolved | MS-B | L1862562-1 |
| Matrix Spike | Manganese (Mn)-Dissolved | MS-B | L1862562-1 |
| Matrix Spike | Nickel (Ni)-Dissolved | MS-B | L1862562-1 |
| Matrix Spike | Phosphorus (P)-Dissolved | MS-B | L1862562-1 |
| Matrix Spike | Potassium (K)-Dissolved | MS-B | L1862562-1 |
| Matrix Spike | Silicon (Si)-Dissolved | MS-B | L1862562-1 |
| Matrix Spike | Sodium (Na)-Dissolved | MS-B | L1862562-1 |
| Matrix Spike | Strontium (Sr)-Dissolved | MS-B | L1862562-1 |
| Matrix Spike | Sulfur (S)-Dissolved | MS-B | L1862562-1 |
| Matrix Spike | Nitrate (as N) | MS-B | L1862562-1 |

**Qualifiers for Individual Parameters Listed:**

| Qualifier | Description |
|---|---|
| DLDS | Detection Limit Raised: Dilution required due to high Dissolved Solids / Electrical Conductivity. |
| MS-B | Matrix Spike recovery could not be accurately calculated due to high analyte background in sample. |
| RRV | Reported Result Verified By Repeat Analysis |

## Test Method References:

| ALS Test Code | Matrix | Test Description | Method Reference** |
|---|---|---|---|
| **ALK-TITR-VA** | Water | Alkalinity Species by Titration | APHA 2320 Alkalinity |

This analysis is carried out using procedures adapted from APHA Method 2320 "Alkalinity". Total alkalinity is determined by potentiometric titration to a pH 4.5 endpoint. Bicarbonate, carbonate and hydroxide alkalinity are calculated from phenolphthalein alkalinity and total alkalinity values.

| | | | |
|---|---|---|---|
| **BE-D-L-CCMS-VA** | Water | Diss. Be (low) in Water by CRC ICPMS | APHA 3030B/6020A (mod) |

Water samples are filtered (0.45 um), preserved with nitric acid, and analyzed by CRC ICPMS.

Method Limitation (re: Sulfur): Sulfide and volatile sulfur species may not be recovered by this method.

| | | | |
|---|---|---|---|
| **BE-T-L-CCMS-VA** | Water | Total Be (Low) in Water by CRC ICPMS | EPA 200.2/6020A (mod) |

Water samples are digested with nitric and hydrochloric acids, and analyzed by CRC ICPMS.

Method Limitation (re: Sulfur): Sulfide and volatile sulfur species may not be recovered by this method.

| | | | |
|---|---|---|---|
| **BR-L-IC-N-VA** | Water | Bromide in Water by IC (Low Level) | EPA 300.1 (mod) |

Inorganic anions are analyzed by Ion Chromatography with conductivity and/or UV detection.

| | | | |
|---|---|---|---|
| **CL-IC-N-VA** | Water | Chloride in Water by IC | EPA 300.1 (mod) |

Inorganic anions are analyzed by Ion Chromatography with conductivity and/or UV detection.

| | | | |
|---|---|---|---|
| **CN-CNO-WT** | Water | Cyanate | APHA 4500-CN-L |

This analysis is carried out using procedures adapted from APHA method 4500-CN "Cyanide". Cyanate is determined by the Cyanate hydrolysis method using an ammonia selective electrode

| | | | |
|---|---|---|---|
| **CN-SCN-VA** | Water | Thiocyanate by Colour | APHA 4500-CN CYANIDE |

This analysis is carried out using procedures adapted from APHA Method 4500-CN- M "Thiocyanate" Thiocyanate is determined by the ferric nitrate colourimetric method.

| | | | |
|---|---|---|---|
| **CN-T-CFA-VA** | Water | Total Cyanide in water by CFA | ISO 14403:2002 |

# Reference Information

This analysis is carried out using procedures adapted from ISO Method 14403:2002 "Determination of Total Cyanide using Flow Analysis (FIA and CFA)". Total or strong acid dissociable (SAD) cyanide is determined by in-line UV digestion along with sample distillation and final determination by colourimetric analysis. Method Limitation: This method is susceptible to interference from thiocyanate (SCN). If SCN is present in the sample, there could be a positive interference with this method, but it would be less than 1% and could be as low as zero.

**CN-WAD-CFA-VA** Water Weak Acid Diss. Cyanide in water by CFA APHA 4500-CN CYANIDE

This analysis is carried out using procedures adapted from APHA Method 4500-CN I. "Weak Acid Dissociable Cyanide". Weak Acid Dissociable (WAD) cyanide is determined by in-line sample distillation with final determination by colourimetric analysis.

**EC-PCT-VA** Water Conductivity (Automated) APHA 2510 Auto. Conduc.

This analysis is carried out using procedures adapted from APHA Method 2510 "Conductivity". Conductivity is determined using a conductivity electrode.

**F-IC-N-VA** Water Fluoride in Water by IC EPA 300.1 (mod)

Inorganic anions are analyzed by Ion Chromatography with conductivity and/or UV detection.

**HARDNESS-CALC-VA** Water Hardness APHA 2340B

Hardness (also known as Total Hardness) is calculated from the sum of Calcium and Magnesium concentrations, expressed in CaCO3 equivalents. Dissolved Calcium and Magnesium concentrations are preferentially used for the hardness calculation.

**HG-D-CVAA-VA** Water Diss. Mercury in Water by CVAAS or CVAFS APHA 3030B/EPA 1631E (mod)

Water samples are filtered (0.45 um), preserved with hydrochloric acid, then undergo a cold-oxidation using bromine monochloride prior to reduction with stannous chloride, and analyzed by CVAAS or CVAFS.

**HG-T-CVAA-VA** Water Total Mercury in Water by CVAAS or CVAFS EPA 1631E (mod)

Water samples undergo a cold-oxidation using bromine monochloride prior to reduction with stannous chloride, and analyzed by CVAAS or CVAFS.

**IONBALANCE-VA** Water Ion Balance Calculation APHA 1030E

Cation Sum, Anion Sum, and Ion Balance (as % difference) are calculated based on guidance from APHA Standard Methods (1030E Checking Correctness of Analysis). Because all aqueous solutions are electrically neutral, the calculated ion balance (% difference of cations minus anions) should be near-zero.

Cation and Anion Sums are the total meq/L concentration of major cations and anions. Dissolved species are used where available. Minor ions are included where data is present. Ion Balance is calculated as:

Ion Balance (%) = [Cation Sum-Anion Sum] / [Cation Sum+Anion Sum]

**MET-D-CCMS-VA** Water Dissolved Metals in Water by CRC ICPMS APHA 3030B/6020A (mod)

Water samples are filtered (0.45 um), preserved with nitric acid, and analyzed by CRC ICPMS.

Method Limitation (re: Sulfur): Sulfide and volatile sulfur species may not be recovered by this method.

**MET-T-CCMS-VA** Water Total Metals in Water by CRC ICPMS EPA 200.2/6020A (mod)

Water samples are digested with nitric and hydrochloric acids, and analyzed by CRC ICPMS.

Method Limitation (re: Sulfur): Sulfide and volatile sulfur species may not be recovered by this method.

**NH3-F-VA** Water Ammonia in Water by Fluorescence APHA 4500 NH3-NITROGEN (AMMONIA)

This analysis is carried out, on sulfuric acid preserved samples, using procedures modified from J. Environ. Monit., 2005, 7, 37 - 42, The Royal Society of Chemistry, "Flow-injection analysis with fluorescence detection for the determination of trace levels of ammonium in seawater", Roslyn J. Waston et al.

**NH3-F-VA** Water Ammonia in Water by Fluorescence J. ENVIRON. MONIT., 2005, 7, 37-42, RSC

This analysis is carried out, on sulfuric acid preserved samples, using procedures modified from J. Environ. Monit., 2005, 7, 37 - 42, The Royal Society of Chemistry, "Flow-injection analysis with fluorescence detection for the determination of trace levels of ammonium in seawater", Roslyn J. Waston et al.

**NO2-L-IC-N-VA** Water Nitrite in Water by IC (Low Level) EPA 300.1 (mod)

Inorganic anions are analyzed by Ion Chromatography with conductivity and/or UV detection.

**NO3-L-IC-N-VA** Water Nitrate in Water by IC (Low Level) EPA 300.1 (mod)

Inorganic anions are analyzed by Ion Chromatography with conductivity and/or UV detection.

**PH-PCT-VA** Water pH by Meter (Automated) APHA 4500-H "pH Value"

This analysis is carried out using procedures adapted from APHA Method 4500-H "pH Value". The pH is determined in the laboratory using a pH electrode

It is recommended that this analysis be conducted in the field.

# Reference Information

| | | | |
|---|---|---|---|
| **PH-PCT-VA** | Water | pH by Meter (Automated) | APHA 4500-H pH Value |

This analysis is carried out using procedures adapted from APHA Method 4500-H "pH Value". The pH is determined in the laboratory using a pH electrode

It is recommended that this analysis be conducted in the field.

| | | | |
|---|---|---|---|
| **SO4-IC-N-VA** | Water | Sulfate in Water by IC | EPA 300.1 (mod) |

Inorganic anions are analyzed by Ion Chromatography with conductivity and/or UV detection.

| | | | |
|---|---|---|---|
| **TDS-CALC-VA** | Water | TDS (Calculated) | APHA 1030E (20TH EDITION) |

This analysis is carried out using procedures adapted from APHA 1030E "Checking Correctness of Analyses".
The Total Dissolved Solids result is calculated from measured concentrations of anions and cations in the sample.

| | | | |
|---|---|---|---|
| **TSS-VA** | Water | Total Suspended Solids by Gravimetric | APHA 2540 D - GRAVIMETRIC |

This analysis is carried out using procedures adapted from APHA Method 2540 "Solids". Solids are determined gravimetrically. Total Suspended Solids (TSS) are determined by filtering a sample through a glass fibre filter, TSS is determined by drying the filter at 104 degrees celsius. Samples containing very high dissolved solid content (i.e. seawaters, brackish waters) may produce a positive bias by this method. Alternate analysis methods are available for these types of samples.

** 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 |
|---|---|
| WT | ALS ENVIRONMENTAL - WATERLOO, ONTARIO, CANADA |
| VA | ALS ENVIRONMENTAL - VANCOUVER, BRITISH COLUMBIA, CANADA |

**Chain of Custody Numbers:**

**GLOSSARY OF REPORT TERMS**

*Surrogate - A compound that is similar in behaviour to target analyte(s), but that does not occur naturally in environmental samples. For applicable tests, surrogates are added to samples prior to analysis as a check on recovery.*
*mg/kg - milligrams per kilogram based on dry weight of sample.*
*mg/kg wwt - milligrams per kilogram based on wet weight of sample.*
*mg/kg lwt - milligrams per kilogram based on lipid-adjusted weight of sample.*
*mg/L - milligrams per litre.*
*< - Less than.*
*D.L. - The reported Detection Limit, also known as the Limit of Reporting (LOR).*
*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.*

ALS Environmental

# Chain of Custody / Analytical Request Form

Canada Toll Free: 1 800 668 9878

www.alsglobal.com

COC # _____



| Report To | | | | Report Format / Distribution | | | | Service Requested (Rush for routine analysis subject to availability) |
|---|---|---|---|---|---|---|---|---|
| Company: | YG-EMR- Assessment and Abandoned Mines (AAM) | | | ☑ Standard | ☐ Other | | | ○ Regular (Standard Turnaround Times - Business Days) |
| Contact: | Emilie Hamm, Project Officer | | | ☑ PDF | ☑ Excel | ☐ Digital | ☐ Fax | ◉ Priority (2-4 Business Days) - 50% Surcharge - Contact ALS to Confirm TAT |
| Address: | 2C - 4114 4th Avenue, Whitehorse, YT, Y1A 4N7 | | | Email 1: | emilie.hamm@gov.yk.ca | | | ○ Emergency (1-2 Bus. Days) - 100% Surcharge - Contact ALS to Confirm TAT |
| | Box 2703 (K-419), Whitehorse, YT, Y1A 2C6 | | | Email 2: | erik.pit@gov.yk.ca | | | ○ Same Day or Weekend Emergency - Contact ALS to Confirm TAT |
| Phone: | 867-667-8712 | Fax: | 867-456-6780 | Email 3: | | | | |
| Invoice To | Same as Report ? | ☐ Yes | ☑ No | Client / Project Information | | | | Analysis Request |
| Hardcopy of Invoice with Report? | | ☐ Yes | ☑ No | Job #: | Mount Nansen | | | Please indicate below Filtered, Preserved or both (F, P, F/P) |
| Company: | | | | PO / AFE: | | | | |
| Contact: | aam-admin@gov.yk.ca | | | LSD: | | | | |
| Address: | | | | | | | | |
| Phone: | | Fax: | | Quote #: | | | | |
| Lab Work Order # (lab use only) | | | | ALS Contact: | Brent Makelki | Sampler: | | |

| Sample # | Sample Identification (This description will appear on the report) | Date (dd-mmm-yy) | Time (hh:mm) | Sample Type | General Chemistry | P | Total Metals | F/P | Dissolved Metals | P | Total Mercury | F/P | Dissolved Mercury | P | Ammonia | P | Cyanide | | | | | | | Number of Containers |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Bioassay Water (BW) | 25-Nov-16 | | Surface Water | X | | X | | X | | X | | X | | X | | X | | | | | | | 7 |
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L1862562-COFC

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-mmm-yy) | Time (hh-mm) | Received by: | Date: | Time: | Temperature: | Verified by: | Date: | Time: | Observations: Yes / No ? If Yes add SIF |
| | 25-Nov-16 | | Leigh | Nov 25 | 8:37 | °C | | | | |