



Shear Diamonds (Nunavut) Corp.
ATTN: Kyle Conway
SUITE 220 - 6 Adelaide Street East
Toronto ON M5C 1H6

Date Received: 05-JUN-12
Report Date: 12-JUN-12 15:59 (MT)
Version: FINAL

Client Phone: 250-362-9530

Certificate of Analysis

Lab Work Order #: L1156974
Project P.O. #: NOT SUBMITTED
Job Reference:
C of C Numbers: 08-014313
Legal Site Desc:


Catherine Evaristo-Cordero
Senior Account Manager

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

ADDRESS: 9936-67 Avenue, Edmonton, AB T6E 0P5 Canada | Phone: +1 780 413 5227 | Fax: +1 780 437 2311
ALS CANADA LTD Part of the ALS Group A Campbell Brothers Limited Company

| Sample Details/Parameters | | Result | Qualifier* | D.L. | Units | Extracted | Analyzed | Batch |
|---|------------|--------------|------------|------|-------|-----------|-----------|-------|
| L1156974-1 | JER-SWQ-04 | | | | | | | |
| Sampled By: CLIENT on 04-JUN-12 @ 16:40 | | | | | | | | |
| Matrix: WATER | | | | | | | | |
| Miscellaneous Parameters | | | | | | | | |
| Special Request | | See Attached | | | | | 05-JUN-12 | |
| | | | | | | | | |

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

Reference Information

Test Method References:

| ALS Test Code | Matrix | Test Description | Method Reference** |
|--------------------|--------|-----------------------------------|------------------------|
| SPECIAL REQUEST-TG | Misc. | Special Request Taiga Yellowknife | SEE SUBLET LAB RESULTS |

** 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 |
|----------------------------|---------------------------------------|
| TG | TAIGA ENVIRONMENTAL LABORATORY (INAC) |

Chain of Custody Numbers:

08-014313

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.



Quality Control Report

Workorder: L1156974

Report Date: 12-JUN-12

Page 1 of 2

Client: Shear Diamonds (Nunavut) Corp.
SUITE 220 - 6 Adelaide Street East
Toronto ON M5C 1H6

Contact: Kyle Conway

| Test | Matrix | Reference | Result | Qualifier | Units | RPD | Limit | Analyzed |
|------|--------|-----------|--------|-----------|-------|-----|-------|----------|
|------|--------|-----------|--------|-----------|-------|-----|-------|----------|

Quality Control Report

Workorder: L1156974

Report Date: 12-JUN-12

Client: Shear Diamonds (Nunavut) Corp.
SUITE 220 - 6 Adelaide Street East
Toronto ON M5C 1H6
Contact: Kyle Conway

Page 2 of 2

Legend:

| | |
|-------|---|
| Limit | ALS Control Limit (Data Quality Objectives) |
| DUP | Duplicate |
| RPD | Relative Percent Difference |
| N/A | Not Available |
| LCS | Laboratory Control Sample |
| SRM | Standard Reference Material |
| MS | Matrix Spike |
| MSD | Matrix Spike Duplicate |
| ADE | Average Desorption Efficiency |
| MB | Method Blank |
| IRM | Internal Reference Material |
| CRM | Certified Reference Material |
| CCV | Continuing Calibration Verification |
| CVS | Calibration Verification Standard |
| LCSD | Laboratory Control Sample Duplicate |

Hold Time Exceedances:

All test results reported with this submission were conducted within ALS recommended hold times.

ALS recommended hold times may vary by province. They are assigned to meet known provincial and/or federal government requirements. In the absence of regulatory hold times, ALS establishes recommendations based on guidelines published by the US EPA, APHA Standard Methods, or Environment Canada (where available). For more information, please contact ALS.

The ALS Quality Control Report is provided to ALS clients upon request. ALS includes comprehensive QC checks with every analysis to ensure our high standards of quality are met. Each QC result has a known or expected target value, which is compared against pre-determined data quality objectives to provide confidence in the accuracy of associated test results.

Please note that this report may contain QC results from anonymous Sample Duplicates and Matrix Spikes that do not originate from this Work Order.



Taiga Environmental Laboratory
4601-52nd Ave., Box 1500, Yellowknife, NT. X1A 2R3
Tel: (867)-669-2788 Fax: (867)-669-2718

Taiga Batch No.:
120300

- FINAL REPORT -

Prepared For: ALS Environmental

Address: P.O. Box 2801
75 Con Rd.
Yellowknife, NT
X1A 2R1

Attn: Judy Bethune

Facsimile:

Final report has been reviewed and approved by:

Helene Harper
Manager

NOTES:

- Test methods and data are validated by the laboratory's Quality Assurance Program. Taiga Environmental Laboratory is accredited by the Canadian Association for Laboratory Accreditation Inc. (CALA) as a testing laboratory for specific tests registered with CALA.
- Routine methods are based on recognized procedures from sources such as
 - Standard Methods for the Examination of Water and Wastewater APHA AWWA WEF;
 - Environment Canada
 - USEPA
- Samples shall be kept for thirty (30) days after the final report is issued. All microbiological samples shall be disposed of immediately upon completion of analysis to minimize biohazardous risks to laboratory personnel. Please contact the laboratory if you have any special requirements.
- Final results are based on the specific tests at the time of analysis and do not represent the conditions during sampling.

ReportDate: Monday, June 11, 2012

Print Date: Monday, June 11, 2012

Page 1 of 3



Taiga Environmental Laboratory
4601-52nd Ave., Box 1500, Yellowknife, NT. X1A 2R3
Tel: (867)-669-2788 Fax: (867)-669-2718

Taiga Batch No.:
120300

- CERTIFICATE OF ANALYSIS -

Client Sample ID: **L1156974-1**

Taiga Sample ID: **009**

Client Project:

Sample Type: Water

Received Date: 05-Jun-12

Sampling Date: 04-Jun-12

Sampling Time: 16:40

Location:

Report Status: Final

| Test Parameter | Result | Detection Limit | Units | Analysis Date | Analytical Method * | Qualifer |
|----------------------------|--------|-----------------|-----------|---------------|---------------------|----------|
| <u>Microbiology</u> | | | | | | |
| Coliforms, Fecal | < 1 | 1 | CFU/100mL | 05-Jun-12 | SM9222:D | |

ReportDate: Monday, June 11, 2012

Print Date: Monday, June 11, 2012



Taiga Environmental Laboratory
4601-52nd Ave., Box 1500, Yellowknife, NT. X1A 2R3
Tel: (867)-669-2788 Fax: (867)-669-2718

Taiga Batch No.:
120300

- CERTIFICATE OF ANALYSIS -

Client Sample ID: **L1156974-1**

Taiga Sample ID: **009**

*** Taiga analytical methods are based on the following standard analytical methods**

SM - Standard Methods for the Examination of Water and Wastewater

EPA - United States Environmental Protection Agency

ReportDate: Monday, June 11, 2012

Print Date: Monday, June 11, 2012

Page 3 of 3

ALS QC data 2012 (TC/Ec/FS)

Indicates other client sample used for duplicate data

| Date | TEL | ALS ID | Test | Blank Result MPN/100mL | Original MPN/100mL | Duplicate MPN/100mL | Pass/Fail | Comments |
|------------|------------|------------|------|---------------------------|-----------------------|------------------------|-----------|----------|
| June 05/12 | 120300-003 | L1156748-1 | TC | <1.0 | <1.0 | <1.0 | P | |
| June 05/12 | 120300-003 | L1156748-1 | Ec | <1.0 | <1.0 | <1.0 | P | |

ALS QC data 2012 (FC)

| Date | TEL | ALS ID | Test | Blank Result FC/100 mL | Original FC/100 mL | Duplicate FC/100 mL | Pass/Fail | Comments |
|-----------|------------|------------|------|---------------------------|-----------------------|------------------------|-----------|----------|
| June 5/12 | 120300-009 | L1156974-1 | FC | <1 | 1 | 1 | P | |

[illegible]