

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



L1156974 CONTD.... PAGE 2 of 3 Version: FINAL

ALS ENVIRONMENTAL ANALYTICAL REPORT

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.

L1156974 CONTD....

PAGE 3 of 3 Version: FINAL

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 wwt - 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.

Applitude results in unsigned test reports with the DRAFT watermark are subject to change

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

Page 2 of 2

Toronto ON M5C 1H6

Contact: Kyle Conway

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 predetermined 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

- 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:

- For the 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;
 - o Environment Canada
 - o 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



Taiga Environmental Laboratory

Taiga Batch No.: 120300

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

- 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 Result Limit		Analysis Date	Analytical Method *	Qualifer
Microbiology						
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

Taiga Batch No.: 120300

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

- 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

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	Р	
June 05/12	120300-003	L1156748-1	Ec	<1.0	<1.0	<1.0	Р	

ALS QC data 2012 (FC)

Date	TEL	TEL ALS ID		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	Р	

Canada Toll Free: 1 800 668 9878 Chain of Custody / Analytical Request Form



ALS Laboratory Group
Analysical Croup

www.alsglobal.com

				yeq ph:		Temperature:	Time:	June S/12	Ked by:	Olas At Sola			
M.B	The same of the sa				TNEMPIH				io seu dal) NOI	MENT RECEPT		VT RELEASE (client use)	
	A ARTON	100	ις cobλ	e - repo	of the whit	sck bade o	pe ps	as specified on t	anoitiono br	with the Terms a	and agrees w	By the use of this form the user acknowledges	
	A TOTAL					LEGIBLY.	mioî	Please fill in this	siay analysis.	his form may de	l portions of t	Failure to complete al	
UF	hint in	1	tojphi			9,51	26.0	We to the second		Barrier In	THE END		
	100	al jo	Sept.	Hara		95			100	The second		The second secon	
		1		Parada San	4			slissed and	brezeH \ enot	telugeA \ anoitor	Special Instru		1
f.	Q A CO	1 -	17 11	W. Pri	the of	1 1 3	8 11	W 4 0	State Con-	1 W 10 10			· 产业的 1500000
				-		1000000				1.1		* 3 4 0 3 = * 4 4 0 6	
4.	77 4 C			17.		2	1 ig	1 2		381	West Service		
13			1520	1	5 7					Albert Par	71		
	Habi -	7 /			4.1			11 11 2 3 3 3	To the last	Review No.			
		-			70	P 10 (10)	1	A VIOLENCE OF					
	7 0				EVEL WART IN	1	1					A STATE OF THE STA	
	5				1	· ·	-		- 15			Je solum	
		11	TIS TI	17 45	TISSA.	E. P	-	1 14 141		Albert Hot	C. Core All	e was present in . J. S. J. Sma	2
17.3					10.49		1		A. 236		147	of the are sold of	3
	Br 1999	9	11. 171.5	1807	11/200	71		Maria Maria	All the state of			LINE BELLEVIEW	
7	2 4 5 4 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1		29 5	0)4	3 3		X	140	01 1-	71/2000		ma-04	C-x12c
7			31 3	177.0		10	_	O FI	ohh	Show 4/12			
dum	100		5				क	Sample Type	Time	Date	24	Sample Identification (This description will appear on the report)	# #
ber				Ha.		1/1	6				попина		
Number of Containers							8		Sampler:		ALS Contact:	# 10	Lab Work Orde (lab use only
tain		4.5	1	100	Mary 1		1.Em				Cuole #:		8-178-311 :anon9
ers		200 C			100		3,	La company				941 JSN 40	annot
	Balletia de	100		100	to and p	1.1	2			Description:		de St. E , Suite 220	
			/	1	1						PO / AFE:	15 monds Ltd	Contact:
(Indicate Filtered or Preserved, F/P)						\mathcal{A}		а	oject Information			Invoice To: Same as Re	
Analysis Request								The second secon	en 100 6 y			Phone: 778-372-	
For Emergency < 1 Day, ASAP or Weekend - Contact ALS						200	Para Trans		a sheurdin		No.	John D.	
Emergency (1 Business Day) - 100% Surcharge						4	wing char	The second second second	w (www.			Address: 5.16 220	
Priority (2-3 Business Days) - 50% Surcharge						16	difference of	Istigida	F Excel	and the second second second		Contact: Kyle Con	
		1: 34				Regular (L	1-0		Other:	1	:Standard:	- Soutends	Company: Steer [
	(Villidy)	slisvs of	subject	- ysnı)	:betseupe	Service Re		te in the life	uc	mat / Distributio	Report For	Naur	Report to: Kyle (
1	10 1 9	6e4							Ū.	ww.aisglobal.co	W.	(STV)	Environmental Division