

Your P.O. #: P0929
 Your Project #: EMERGENCY Decant Sewage Lagoon
 Site: SEWAGE LAGOON
 Your C.O.C. #: 110975-0

Attention: Sean Tiessen

CITY OF IQALUIT
 PO Box 460
 Iqaluit, NU
 X0A 0H0

Report Date: 2009/02/05

CERTIFICATE OF ANALYSIS

MAXXAM JOB #: A910161

Received: 2009/01/29, 10:45

Sample Matrix: Water
 # Samples Received: 1

Analyses	Quantity	Date Extracted	Date Analyzed	Laboratory Method	Method Reference
Biological Oxygen Demand (BOD)	1	N/A	2009/02/05	CAM SOP-00427	APHA 5210B
Animal and Vegetable Oil & Grease	1	2009/01/29	2009/02/03	CAM SOP-00326	SM 5520 B
Total Oil and Grease	1	2009/02/03	2009/02/03	CAM SOP-00326	EPA 1664A
pH	1	N/A	2009/02/03	CAM SOP-00448	SM 4500H
TPH (Heavy Oil) Ø	1	N/A	2009/02/03	CAM SOP-00326	SM 5520F
Total Suspended Solids	1	N/A	2009/02/03	CAM SOP-00428	SM 2540D

* RPDs calculated using raw data. The rounding of final results may result in the apparent difference.

(1) Note: TPH (Heavy Oil) is equivalent to Mineral / Synthetic Oil & Grease

Encryption Key

Please direct all questions regarding this Certificate of Analysis to your Project Manager.

SEAN CONACHER, Project Manager
 Email: Sean.Conacher@maxxamanalytics.com
 Phone# (905) 817-5700 Ext:5806

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Maxxam has procedures in place to guard against improper use of the electronic signature and have the required "signatories", as per section 5.10.2 of ISO/IEC 17025:2005(E), signing the reports. SCC and CALA have approved this reporting process and electronic report format.

For Service Group specific validation please refer to the Validation Signature Page

Total cover pages: 1

Maxxam Job #: A910161
Report Date: 2009/02/05

CITY OF IQALUIT
Client Project #: EMERGENCY Decant Sewage Lagoon
Project name: SEWAGE LAGOON
Your P.O. #: P0929

RESULTS OF ANALYSES OF WATER

Maxxam ID		BP5656		
Sampling Date		2009/01/28 11:30		
COC Number		110975-0		
	Units	LAGOON BEFORE DISCHARGE	RDL	QC Batch

Calculated Parameters				
Total Animal/Vegetable Oil and Grease	mg/L	7.6	0.5	1730433
Inorganics				
Total BOD	mg/L	150	2	1732389
pH	pH	6.9		1733586
Total Suspended Solids	mg/L	33	10	1733460
Petroleum Hydrocarbons				
Total Oil & Grease	mg/L	7.6	0.5	1733482
Total Oil & Grease Mineral/Synthetic	mg/L	ND	0.5	1733483
ND = Not detected RDL = Reportable Detection Limit QC Batch = Quality Control Batch				

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Package 1	-0.7°C
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Each temperature is the average of up to three cooler temperatures taken at receipt

GENERAL COMMENTS

Results relate only to the items tested.

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Quality Assurance Report

Maxxam Job Number: TA910161

QA/QC Batch Num Init	QC Type	Parameter	Date Analyzed yyyy/mm/dd	Value	Recovery	Units	QC Limits
1732389 FZH	QC STANDARD	Total BOD	2009/02/05		96	%	85 - 115
	Method Blank	Total BOD	2009/02/05	ND, RDL=2		mg/L	
	RPD	Total BOD	2009/02/05	NC		%	25
1733460 RAY	QC STANDARD	Total Suspended Solids	2009/02/03		105	%	85 - 115
	Method Blank	Total Suspended Solids	2009/02/03	ND, RDL=10		mg/L	
	RPD	Total Suspended Solids	2009/02/03	NC		%	25
1733482 FA	Spiked Blank	Total Oil & Grease	2009/02/03		99	%	85 - 115
	RPD	Total Oil & Grease	2009/02/03	0.8		%	25
	Method Blank	Total Oil & Grease	2009/02/03	ND, RDL=0.5		mg/L	
1733483 FA	Spiked Blank	Total Oil & Grease Mineral/Synthetic	2009/02/03		96	%	85 - 115
	RPD	Total Oil & Grease Mineral/Synthetic	2009/02/03	0.5		%	25
	Method Blank	Total Oil & Grease Mineral/Synthetic	2009/02/03	ND, RDL=0.5		mg/L	
ND = Not detected NC = Non-calculable RPD = Relative Percent Difference QC Standard = Quality Control Standard SPIKE = Fortified sample							

Validation Signature Page

Maxxam Job #: A910161

The analytical data and all QC contained in this report were reviewed and validated by the following individual(s).

Cristina Nervo

CRISTINA NERVO, Scientific Services

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