

Site: SEWAGE LAGOON  
Your C.O.C. #: 84680-14**Attention: Sean Tiessen**CITY OF IQALUIT  
PO Box 460  
Iqaluit, NU  
X0A 0H0

Report Date: 2008/07/15

**CERTIFICATE OF ANALYSIS****MAXXAM JOB #: A873021****Received: 2008/07/08, 12:26**Sample Matrix: Water  
# Samples Received: 4

Analyses	Quantity	Date Extracted	Date Analyzed	Laboratory Method	Method Reference
Biological Oxygen Demand (BOD)	4	N/A	2008/07/15	CAM SOP-00427	APHA 5210B
Animal and Vegetable Oil & Grease	4	2008/07/09	2008/07/11	CAM SOP-00326	SM 5520 B
Total Oil and Grease	4	2008/07/11	2008/07/11	CAM SOP-00326	EPA 1664A
pH	3	N/A	2008/07/10	CAM SOP-00448	SM 4500H
pH	1	N/A	2008/07/14	CAM SOP-00448	SM 4500H
TPH (Heavy Oil) Ø	4	N/A	2008/07/11	CAM SOP-00326	SM 5520F
Total Suspended Solids	4	N/A	2008/07/10	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 &amp; 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 CAEAL 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 #: A873021  
Report Date: 2008/07/15

CITY OF IQALUIT  
Client Project #:  
Project name: SEWAGE LAGOON

### RESULTS OF ANALYSES OF WATER

Maxxam ID		Z73469	Z73470	Z73471		
Sampling Date		2008/07/04	2008/07/04	2008/07/04		
COC Number		84680-14	84680-14	84680-14		
	Units	SEWAGE LAGOON 1	SEWAGE LAGOON 2	SEWAGE LAGOON 3	RDL	QC Batch

<b>Calculated Parameters</b>						
Total Animal/Vegetable Oil and Grease	mg/L	1.2	1.4	1.2	0.5	1556303
<b>Inorganics</b>						
Total BOD	mg/L	36	33	36	2	1557510
pH	pH	7.3	7.3	7.3		1558366
Total Suspended Solids	mg/L	70	80	70	10	1557332
<b>Petroleum Hydrocarbons</b>						
Total Oil & Grease	mg/L	1.2	1.4	1.2	0.5	1558520
Total Oil & Grease Mineral/Synthetic	mg/L	ND	ND	ND	0.5	1558522
ND = Not detected RDL = Reportable Detection Limit QC Batch = Quality Control Batch						

Maxxam ID		Z73472		
Sampling Date		2008/07/04		
COC Number		84680-14		
	Units	SEWAGE LAGOON 4	RDL	QC Batch

<b>Calculated Parameters</b>				
Total Animal/Vegetable Oil and Grease	mg/L	1.2	0.5	1556303
<b>Inorganics</b>				
Total BOD	mg/L	28	2	1557510
pH	pH	7.3		1560017
Total Suspended Solids	mg/L	76	10	1557332
<b>Petroleum Hydrocarbons</b>				
Total Oil & Grease	mg/L	1.2	0.5	1558520
Total Oil & Grease Mineral/Synthetic	mg/L	ND	0.5	1558522
ND = Not detected RDL = Reportable Detection Limit QC Batch = Quality Control Batch				

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Package 1	22.3°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.**

CITY OF IQALUIT  
Attention: Sean Tiessen  
Client Project #:  
P.O. #:  
Project name: SEWAGE LAGOON

Quality Assurance Report  
Maxxam Job Number: MA873021

QA/QC Batch Num Init	QC Type	Parameter	Date Analyzed yyyy/mm/dd	Value	Recovery	Units	QC Limits
1557332 HAG	QC STANDARD	Total Suspended Solids	2008/07/10		100	%	85 - 115
	Method Blank	Total Suspended Solids	2008/07/10	ND, RDL=10		mg/L	
	RPD	Total Suspended Solids	2008/07/10	NC		%	25
1557510 HAI	QC STANDARD	Total BOD	2008/07/15		106	%	85 - 115
	Method Blank	Total BOD	2008/07/15	ND, RDL=2		mg/L	
	RPD	Total BOD	2008/07/15	NC		%	25
1558520 FA	Spiked Blank	Total Oil & Grease	2008/07/11		98	%	85 - 115
	RPD	Total Oil & Grease	2008/07/11	0.7		%	25
	Method Blank	Total Oil & Grease	2008/07/11	ND, RDL=0.5		mg/L	
1558522 FA	Spiked Blank	Total Oil & Grease Mineral/Synthetic	2008/07/11		96	%	85 - 115
	RPD	Total Oil & Grease Mineral/Synthetic	2008/07/11	0.5		%	25
	Method Blank	Total Oil & Grease Mineral/Synthetic	2008/07/11	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 #: A873021**

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



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BRAD NEWMAN, Scientific Specialist

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