

Client: City of Iqaluit
PO Box 460
Iqaluit, NU
X0A 0H0
Attention: Mr. Jeff MacMunn
PO#:
Invoice to: City of Iqaluit

Report Number: 1215844
Date Submitted: 2012-07-25
Date Reported: 2012-08-01
Project: Retention Pond
COC #: 755155

Page 1 of 4

Dear Jeff MacMunn:

Please find attached the analytical results for your samples. If you have any questions regarding this report, please do not hesitate to call (613-727-5692).

Report Comments:

APPROVAL: _____

Lorna Wilson
Inorganic Laboratory Supervisor

APPROVAL: _____

Charlie (Long) Qu
Organic Laboratory Supervisor

Exova (Ottawa) is certified and accredited for specific parameters by:

CALA, Canadian Association for Laboratory Accreditation (to ISO 17025), OMAF, Ontario Ministry of Agriculture, Food and Rural Affairs(for farm soils), Licensed by Ontario MOE for specific tests in drinking water.

Please note: Field data, where presented on the report, has been provided by the client and is presented for informational purposes only.

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		Lab I.D. Sample Matrix Sample Type Sampling Date Sample I.D.			
Group		Analyte	MRL	Units	Guideline
General Chemistry		pH	1.00		8.31
		TOC	0.5	mg/L	20.7
		Total Suspended Solids	2	mg/L	10
		Turbidity	0.1	NTU	8.2
Mercury		Hg	0.0001	mg/L	<0.0001
Metals		Ag	0.0001	mg/L	<0.0001
		Al	0.01	mg/L	0.03
		As	0.01	mg/L	<0.01
		B	0.01	mg/L	0.96
		Ba	0.01	mg/L	0.02
		Be	0.0005	mg/L	<0.0005
		Ca	1	mg/L	90
		Cd	0.0001	mg/L	<0.0001
		Co	0.0002	mg/L	0.0011
		Cr	0.001	mg/L	0.004
		Cu	0.001	mg/L	0.006
		Fe	0.03	mg/L	1.23
		K	1	mg/L	30
		Mg	1	mg/L	21
		Mn	0.01	mg/L	0.41
		Mo	0.005	mg/L	<0.005
		Na	2	mg/L	153
		Ni	0.005	mg/L	0.011
		Pb	0.001	mg/L	<0.001
		Sb	0.0005	mg/L	0.0007
		Se	0.01	mg/L	<0.01

Guideline = * = **Guideline Exceedence**

Results relate only to the parameters tested on the samples submitted.

Methods references and/or additional QA/QC information available on request.

MRL = Method Reporting Limit, AO = Aesthetic Objective, OG = Operational Guideline, MAC = Maximum Acceptable Concentration, IMAC = Interim Maximum Acceptable Concentration, STD = Standard, PWQO = Provincial Water Quality Guideline, IPWQO = Interim Provincial Water Quality Objective.

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				Lab I.D. Sample Matrix Sample Type Sampling Date Sample I.D.	973879 Surfacewater 2012-07-19 Reten Pond #3
Group	Analyte	MRL	Units	Guideline	
Metals	Si	0.1	mg/L		1.8
	Sr	0.001	mg/L		0.594
	Ti	0.01	mg/L		<0.01
	Tl	0.0001	mg/L		<0.0001
	V	0.001	mg/L		0.002
	Zn	0.01	mg/L		0.19
Nutrients	BOD5	1	mg/L		5
	COD	5	mg/L		67
	N-NH3	0.02	mg/L		4.39
	Total Kjeldahl Nitrogen	0.10	mg/L		7.04
	Total P	0.01	mg/L		0.03
PCBs	Polychlorinated Biphenyls (PCBs)	0.1	ug/L		<0.1
VOC Surrogates	Toluene-d8	1	%		97
VOCs	Benzene	0.5	ug/L		<0.5
	Ethylbenzene	0.5	ug/L		<0.5
	m/p-xylene	0.5	ug/L		<0.5
	o-xylene	0.5	ug/L		<0.5
	Toluene	0.5	ug/L		<0.5

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Sample Comment Summary

Sample ID: 973879 Reten Pond #3 Holding time for turbidity analysis was exceeded. Arsenic and Selenium MRL elevated due to matrix interference.

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