

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

Report Number: 1220663
Date Submitted: 2012-09-21
Date Reported: 2012-09-27
Project: Test B (WWTP Inn)
COC #: 154600

Page 1 of 7

Dear Pat Wolfe:

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

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.

Exova (Mississauga) is accredited for specific parameters by:

SCC, Standards Council of Canada (to ISO 17025)

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.	986510 Wastewater 2012-09-19 Test B (WWTP Inn)
Group	Analyte	MRL	Units	Guideline	
General Chemistry	Conductivity	5	uS/cm		595
	N-NO2	0.10	mg/L		<0.10
	N-NO3	0.10	mg/L		<0.10
Mercury	Hg	0.0001	mg/L		<0.0001
Metals	Ag	0.01	mg/L		<0.01
	Al	0.1	mg/L		0.8
	Aqua-Regia Digest		mg/L		y
	As	0.05	mg/L		<0.05
	B	0.1	mg/L		<0.1
	Ba	0.01	mg/L		0.01
	Be	0.01	mg/L		<0.01
	Ca	1	mg/L		25
	Cd	0.01	mg/L		<0.01
	Co	0.01	mg/L		<0.01
	Cr	0.05	mg/L		<0.05
	Cu	0.01	mg/L		0.38
	Fe	0.1	mg/L		1.1
	K	1	mg/L		10
	Mg	1	mg/L		4
	Mn	0.01	mg/L		0.19
	Mo	0.01	mg/L		<0.01
	Na	2	mg/L		21
	Ni	0.01	mg/L		<0.01
	Pb	0.01	mg/L		<0.01
	Sb	0.01	mg/L		<0.01
	Se	0.05	mg/L		<0.05

Guideline = * = **Guideline Exceedence**

** = Analysis completed at Mississauga, Ontario.

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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.
Group	Analyte	MRL	Units	Guideline	986510 Wastewater 2012-09-19 Test B (WWTP Inn)
Metals	Si	0.1	mg/L		1.6
	Sr	0.05	mg/L		0.06
	Ti	0.1	mg/L		<0.1
	Tl	0.01	mg/L		<0.01
	V	0.05	mg/L		<0.05
	Zn	0.05	mg/L		0.23
Nutrients	BOD5	1	mg/L		212
	N-NH3	2.0	mg/L		43.4
	O-PO4	0.03	mg/L		14.1
	Total P	0.01	mg/L		7.63

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QC Summary

Analyte	Blank	QC % Rec	QC Limits
Run No 237231 Analysis Date 2012-09-24 Method M SM3112B-3500B			
Hg	<0.0001 mg/L	107	70-130
Run No 238798 Analysis Date 2012-09-27 Method SM 5210B			
BOD5	<1 mg/L	86	75-125
Run No 238857 Analysis Date 2012-09-24 Method C SM4500-NO3-F			
N-NO2	<0.10 mg/L	107	80-120
N-NO3	<0.10 mg/L	90	80-120
Run No 238910 Analysis Date 2012-09-25 Method C SM4500-PF			
O-PO4	<0.03 mg/L	100	89-111
Run No 238911 Analysis Date 2012-09-25 Method C SM4500-PF			
Total P	<0.01 mg/L	107	85-115
Run No 238913 Analysis Date 2012-09-24 Method C SM2510B			
Conductivity	<5 uS/cm	101	95-105
Run No 238968 Analysis Date 2012-09-25 Method EPA 200.8			
B	<0.1 mg/L	92	81-119

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QC Summary

Analyte	Blank	QC % Rec	QC Limits
Ti	<0.1 mg/L	90	88-112
Run No 238991 Analysis Date 2012-09-26 Method EPA 200.8			
Ag	<0.01 mg/L	115	70-130
Al	<0.1 mg/L	121	70-130
Aqua-Regia Digest			
As	<0.05 mg/L	121	70-130
Ba	<0.01 mg/L	107	70-130
Be	<0.01 mg/L	111	70-130
Cd	<0.01 mg/L	117	70-130
Co	<0.01 mg/L	119	70-130
Cr	<0.05 mg/L	122	70-130
Cu	<0.01 mg/L	117	70-130
Fe	<0.1 mg/L	112	70-130
Mn	<0.01 mg/L	113	70-130
Mo	<0.01 mg/L	111	70-130
Ni	<0.01 mg/L	122	70-130
Pb	<0.01 mg/L	115	70-130

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QC Summary

Analyte	Blank	QC % Rec	QC Limits
Sb	<0.01 mg/L	100	70-130
Se	<0.05 mg/L	122	70-130
Sr	<0.05 mg/L	111	70-130
Tl	<0.05 mg/L	113	70-130
V	<0.05 mg/L	120	70-130
Zn	<0.05 mg/L	116	70-130
Run No 239000 Analysis Date 2012-09-26 Method C SM4500-NH3E			
N-NH3	<2.0 mg/L	98	95-105
Run No 239038 Analysis Date 2012-09-26 Method M SM3120B-3500C			
Si	<0.1 mg/L	87	70-130
Run No 239097 Analysis Date 2012-09-27 Method SM 3111B-3500B			
Ca	<1 mg/L	99	90-110
K	<1 mg/L	92	87-113
Mg	<1 mg/L	99	76-124
Na	<2 mg/L	105	82-118

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Sample Comment Summary

Sample ID: 986510 Test B (WWTP Inn) Metals analysis performed on aqua-regia digest of sample material except for Boron, Titanium and Silicon.

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