

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

Report Number: 1220665
Date Submitted: 2012-09-21
Date Reported: 2012-09-28
Project: Test F (Sludge)
COC #: 154602

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.	
Group	Analyte	MRL	Units	Guideline	
Agri. - Soil	N-NO2	1.0	ppm		<1.0
	N-NO3	25	ppm		<25
General Chemistry	Conductivity	5	uS/cm		1460
	pH	1.00			5.20
Mercury	Hg	0.1	ug/g		0.1
Metals	Ag	0.2	ug/g		0.4
	Al	5	ug/g		633
	As	1	ug/g		<1
	B	10	ug/g		<10
	Ba	1	ug/g		13
	Be	1	ug/g		<1
	Ca	100	ug/g		5900
	Cd	0.5	ug/g		<0.5
	Co	1	ug/g		<1
	Cr	1	ug/g		5
	Cu	1	ug/g		163
	Fe	5	ug/g		1190
	K	100	ug/g		700
	Mg	100	ug/g		700
	Mn	1	ug/g		41
	Mo	1	ug/g		<1
	Na	100	ug/g		200
	Ni	1	ug/g		3
	Pb	1	ug/g		3
	Sb	1	ug/g		<1
	Se	1	ug/g		<1

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	986529 Sludge - Sol 2012-09-19 Test F (Sludge)
Metals	Sr	1	ug/g		10
	Tl	1	ug/g		<1
	V	2	ug/g		<2
	Zn	2	ug/g		157
Nutrients	Total P	100	ug/g		3670
Others	N-NH3	100	ug/g		2200

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QC Summary

Analyte	Blank	QC % Rec	QC Limits
Run No 238809 Analysis Date 2012-09-26 Method C 33-3 Methods of So			
N-NO2			
N-NO3			
Run No 238992 Analysis Date 2012-09-26 Method EPA 200.8			
Ag	<0.2 ug/g	136	0-200
Al	<5 ug/g	106	85-115
As	<1 ug/g	136	50-150
Ba	<1 ug/g	106	85-115
Be	<1 ug/g	110	75-125
Cd	<0.5 ug/g	111	50-150
Co	<1 ug/g	93	70-130
Cr	<1 ug/g	102	70-130
Cu	<1 ug/g	103	80-120
Fe	<5 ug/g	95	75-125
Mn	<1 ug/g	98	85-115

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QC Summary

Analyte	Blank	QC % Rec	QC Limits
Mo	<1 ug/g	100	40-160
Ni	<1 ug/g	110	68-132
Pb	<1 ug/g	95	74-126
Sb	<1 ug/g	100	20-180
Se	<1 ug/g	121	50-150
Sr	<1 ug/g	110	74-126
Tl	<1 ug/g	87	60-140
V	<2 ug/g	110	38-162
Zn	<2 ug/g	107	84-116
Run No 239009 Analysis Date 2012-09-26 Method M SM3112B-3500B			
Hg	<0.1 ug/g	94	70-130
Run No 239018 Analysis Date 2012-09-26 Method C SM2510B			
Conductivity	<5 uS/cm	99	95-105
pH	5.56	99	90-100
Run No 239019 Analysis Date 2012-09-27 Method C SM4500-Norg/PF			
Total P	<100 ug/g	102	79-121
Run No 239097 Analysis Date 2012-09-27 Method M SM3111B-3050B			

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QC Summary

Analyte	Blank	QC % Rec	QC Limits
Ca	<100 ug/g	99	-100-200
K	<100 ug/g	92	-100-200
Mg	<100 ug/g	99	-100-200
Na	<100 ug/g	105	-100-200
Run No 239180 Analysis Date 2012-09-28 Method C NONE			
N-NH3	<100 ug/g	99	95-105
Run No 239193 Analysis Date 2012-09-28 Method M SM3120B-3050B			
B	<10 ug/g	106	

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Sample Comment Summary

Sample ID: 986529 Test F (Sludge) Metals analysed and reported on a dry sample basis. N-NO3 MRL elevated due to matrix interference (dilution was done). TP and N-NH3 were analysed as received and reported on dried sample basis.

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