

Attachment B (Test results)

**ANALYTICAL RESULTS - SOIL SAMPLES
PRE-EXISTING ENVIRONMENTAL CONTAMINATION MANAGEMENT PLAN
IQALUIT INTERNATIONAL AIRPORT
IQALUIT, NUNAVUT**

Sample Location Sample Date Sample Depth Parameters	Units	CCME Infantail a	RBCs	TP15 7/23/2013 0.6	TP16 7/23/2013 0.65	TP17A 7/23/2013 1.15	TP17B 7/23/2013 1.1	TP18 7/23/2013 1.1	TP19 7/23/2013 1.5	TP20 7/23/2013 0.9	TP21 7/23/2013 1.45
Volatiles Organic Compounds											
1,1,1,2-Tetrachloroethane	µg/g	50	-	ND(0.050)	ND(0.050)	ND(0.050)	ND(0.050)	ND(0.050)	ND(0.050)	ND(0.050)	ND(0.050)
1,1,1-Trichloroethane	µg/g	50	-	ND(0.050)	ND(0.050)	ND(0.050)	ND(0.050)	ND(0.050)	ND(0.050)	ND(0.050)	ND(0.050)
1,1,2,2-Tetrachloroethane	µg/g	50	-	ND(0.050)	ND(0.050)	ND(0.050)	ND(0.050)	ND(0.050)	ND(0.050)	ND(0.050)	ND(0.050)
1,1,2-Trichloroethane	µg/g	50	-	ND(0.050)	ND(0.050)	ND(0.050)	ND(0.050)	ND(0.050)	ND(0.050)	ND(0.050)	ND(0.050)
1,1-Dichloroethane	µg/g	50	-	ND(0.050)	ND(0.050)	ND(0.050)	ND(0.050)	ND(0.050)	ND(0.050)	ND(0.050)	ND(0.050)
1,2-Dibromochloroethane (Ethylene dibromide)	µg/g	50	-	ND(0.050)	ND(0.050)	ND(0.050)	ND(0.050)	ND(0.050)	ND(0.050)	ND(0.050)	ND(0.050)
1,2-Dibromochloroethane	µg/g	10	-	ND(0.050)	ND(0.050)	ND(0.050)	ND(0.050)	ND(0.050)	ND(0.050)	ND(0.050)	ND(0.050)
1,2-Dichloroethane	µg/g	50	-	ND(0.050)	ND(0.050)	ND(0.050)	ND(0.050)	ND(0.050)	ND(0.050)	ND(0.050)	ND(0.050)
1,1,1-Trichloroethane	µg/g	10	-	ND(0.050)	ND(0.050)	ND(0.050)	ND(0.050)	ND(0.050)	ND(0.050)	ND(0.050)	ND(0.050)
1,1-Dichloroethane	µg/g	10	-	ND(0.050)	ND(0.050)	ND(0.050)	ND(0.050)	ND(0.050)	ND(0.050)	ND(0.050)	ND(0.050)
2-Butanone (Methyl ethyl ketone) (MEK)	µg/g	50	-	ND(0.050)	ND(0.050)	ND(0.050)	ND(0.050)	ND(0.050)	ND(0.050)	ND(0.050)	ND(0.050)
4-Methyl-2-pentanone (Methyl isobutyl ketone) (MIBK)	µg/g	50	-	ND(0.050)	ND(0.050)	ND(0.050)	ND(0.050)	ND(0.050)	ND(0.050)	ND(0.050)	ND(0.050)
Acetone	µg/g	50	-	ND(0.050)	ND(0.050)	ND(0.050)	ND(0.050)	ND(0.050)	ND(0.050)	ND(0.050)	ND(0.050)
Benzene	µg/g	0.110	-	ND(0.050)	ND(0.050)	ND(0.050)	ND(0.050)	ND(0.050)	ND(0.050)	ND(0.050)	ND(0.050)
Bromochloroethane	µg/g	50	-	ND(0.050)	ND(0.050)	ND(0.050)	ND(0.050)	ND(0.050)	ND(0.050)	ND(0.050)	ND(0.050)
Bromobenzene	µg/g	50	-	ND(0.050)	ND(0.050)	ND(0.050)	ND(0.050)	ND(0.050)	ND(0.050)	ND(0.050)	ND(0.050)
Bromochloroethane (Methyl bromide)	µg/g	50	-	ND(0.050)	ND(0.050)	ND(0.050)	ND(0.050)	ND(0.050)	ND(0.050)	ND(0.050)	ND(0.050)
Carbon tetrachloride	µg/g	50	-	ND(0.050)	ND(0.050)	ND(0.050)	ND(0.050)	ND(0.050)	ND(0.050)	ND(0.050)	ND(0.050)
Chlorobenzene	µg/g	10	-	ND(0.050)	ND(0.050)	ND(0.050)	ND(0.050)	ND(0.050)	ND(0.050)	ND(0.050)	ND(0.050)
Chloroform (Trichloromethane)	µg/g	50	-	ND(0.050)	ND(0.050)	ND(0.050)	ND(0.050)	ND(0.050)	ND(0.050)	ND(0.050)	ND(0.050)
cis-1,2-Dichloroethane	µg/g	50	-	ND(0.050)	ND(0.050)	ND(0.050)	ND(0.050)	ND(0.050)	ND(0.050)	ND(0.050)	ND(0.050)
cis-1,3-Dichloropropene	µg/g	50	-	ND(0.050)	ND(0.050)	ND(0.050)	ND(0.050)	ND(0.050)	ND(0.050)	ND(0.050)	ND(0.050)
Dibromochloroethane	µg/g	50	-	ND(0.050)	ND(0.050)	ND(0.050)	ND(0.050)	ND(0.050)	ND(0.050)	ND(0.050)	ND(0.050)
Dichlorodifluoromethane (CFC-12)	µg/g	50	-	ND(0.050)	ND(0.050)	ND(0.050)	ND(0.050)	ND(0.050)	ND(0.050)	ND(0.050)	ND(0.050)
Ethylbenzene	µg/g	0.082	-	ND(0.050)	ND(0.050)	ND(0.050)	ND(0.050)	ND(0.050)	ND(0.050)	ND(0.050)	ND(0.050)
Hexane	µg/g	6.5	-	ND(0.050)	ND(0.050)	ND(0.050)	ND(0.050)	ND(0.050)	ND(0.050)	ND(0.050)	ND(0.050)
n-Butylbenzene	µg/g	50	-	ND(0.050)	ND(0.050)	ND(0.050)	ND(0.050)	ND(0.050)	ND(0.050)	ND(0.050)	ND(0.050)
Methyl tert butyl ether (MTBE)	µg/g	50	-	ND(0.050)	ND(0.050)	ND(0.050)	ND(0.050)	ND(0.050)	ND(0.050)	ND(0.050)	ND(0.050)
Methylcyclohexane	µg/g	50	-	ND(0.050)	ND(0.050)	ND(0.050)	ND(0.050)	ND(0.050)	ND(0.050)	ND(0.050)	ND(0.050)
o-Xylene	µg/g	50	-	ND(0.050)	ND(0.050)	ND(0.050)	ND(0.050)	ND(0.050)	ND(0.050)	ND(0.050)	ND(0.050)
Styrene	µg/g	0.6	-	ND(0.050)	ND(0.050)	ND(0.050)	ND(0.050)	ND(0.050)	ND(0.050)	ND(0.050)	ND(0.050)
Toluene	µg/g	0.37	-	ND(0.050)	ND(0.050)	ND(0.050)	ND(0.050)	ND(0.050)	ND(0.050)	ND(0.050)	ND(0.050)
trans-1,2-Dichloroethene	µg/g	50	-	ND(0.050)	ND(0.050)	ND(0.050)	ND(0.050)	ND(0.050)	ND(0.050)	ND(0.050)	ND(0.050)
trans-1,3-Dichloropropene	µg/g	50	-	ND(0.050)	ND(0.050)	ND(0.050)	ND(0.050)	ND(0.050)	ND(0.050)	ND(0.050)	ND(0.050)
Trichloroethene	µg/g	0.01	-	ND(0.050)	ND(0.050)	ND(0.050)	ND(0.050)	ND(0.050)	ND(0.050)	ND(0.050)	ND(0.050)
Trichlorofluoromethane (CFC-11)	µg/g	50	-	ND(0.050)	ND(0.050)	ND(0.050)	ND(0.050)	ND(0.050)	ND(0.050)	ND(0.050)	ND(0.050)
Vinyl chloride	µg/g	50	-	ND(0.050)	ND(0.050)	ND(0.050)	ND(0.050)	ND(0.050)	ND(0.050)	ND(0.050)	ND(0.050)
Xylenes (total)	µg/g	11	-	ND(0.050)	ND(0.050)	ND(0.050)	ND(0.050)	ND(0.050)	ND(0.050)	ND(0.050)	ND(0.050)
Polycyclic Aromatic Hydrocarbons											
1-Methylnaphthalene	µg/g	50	-	ND(0.050)	ND(0.050)	ND(0.050)	ND(0.050)	ND(0.050)	ND(0.050)	ND(0.050)	ND(0.050)
2-Methylnaphthalene	µg/g	50	-	ND(0.050)	ND(0.050)	ND(0.050)	ND(0.050)	ND(0.050)	ND(0.050)	ND(0.050)	ND(0.050)
Acenaphthene	µg/g	50	-	ND(0.050)	ND(0.050)	ND(0.050)	ND(0.050)	ND(0.050)	ND(0.050)	ND(0.050)	ND(0.050)
Acenaphthylene	µg/g	32	-	ND(0.050)	ND(0.050)	ND(0.050)	ND(0.050)	ND(0.050)	ND(0.050)	ND(0.050)	ND(0.050)
Anthracene	µg/g	50	-	ND(0.050)	ND(0.050)	ND(0.050)	ND(0.050)	ND(0.050)	ND(0.050)	ND(0.050)	ND(0.050)
Benzo(a)anthracene	µg/g	72	-	ND(0.050)	ND(0.050)	ND(0.050)	ND(0.050)	ND(0.050)	ND(0.050)	ND(0.050)	ND(0.050)
Benzo(a)fluoranthene/Benzo(g)fluoranthene	µg/g	30	-	ND(0.050)	ND(0.050)	ND(0.050)	ND(0.050)	ND(0.050)	ND(0.050)	ND(0.050)	ND(0.050)
Benzo(b)fluoranthene	µg/g	10	-	ND(0.050)	ND(0.050)	ND(0.050)	ND(0.050)	ND(0.050)	ND(0.050)	ND(0.050)	ND(0.050)
Benzo(k)fluoranthene	µg/g	10	-	ND(0.050)	ND(0.050)	ND(0.050)	ND(0.050)	ND(0.050)	ND(0.050)	ND(0.050)	ND(0.050)
Chrysene	µg/g	10	-	ND(0.050)	ND(0.050)	ND(0.050)	ND(0.050)	ND(0.050)	ND(0.050)	ND(0.050)	ND(0.050)
Dibenz(a,h)anthracene	µg/g	10	-	ND(0.050)	ND(0.050)	ND(0.050)	ND(0.050)	ND(0.050)	ND(0.050)	ND(0.050)	ND(0.050)
Fluoranthene	µg/g	180	-	ND(0.050)	ND(0.050)	ND(0.050)	ND(0.050)	ND(0.050)	ND(0.050)	ND(0.050)	ND(0.050)
Fluorene	µg/g	50	-	ND(0.050)	ND(0.050)	ND(0.050)	ND(0.050)	ND(0.050)	ND(0.050)	ND(0.050)	ND(0.050)

Client: Okiytaaluk Environmental
 8835 Av de Catania, Entrance 1, Suite 200
 Brossard, QC
 J4X 3V4
 Attention: Ms. Greg Johnson
 PO#: RQ11-105
 Invoice to: Okiytaaluk Environmental

Report Number: 1410837
 Date Submitted: 2014-06-09
 Date Reported: 2014-06-19
 Project: QE14-214-2
 COC #: 786119

Group	Analyte	MRL	Units	Lab I.D. Sample Matrix Sample Type Sampling Date Sample I.D.	Guideline
General Chemistry Hydrocarbons	Molsture	0.1	%		
	F1 (C8-C10)	10	ug/g		
	F1-BTEX (C6-C10)	10	ug/g		
	F2 (C10-C16)	10	ug/g		
	F3 (C16-C34)	20	ug/g		
Mercury Metals	F4 (C34-C50)	20	ug/g		
	Hg	0.1	ug/g		
	Ag	0.2	ug/g		
	As	1	ug/g		
	Ba	1	ug/g		
Semi-Volatiles	Cd	0.5	ug/g		
	Co	1	ug/g		
	Cr	1	ug/g		
	Cu	1	ug/g		
	Mn	1	ug/g		
	Mo	1	ug/g		
	Ni	1	ug/g		
	Pb	1	ug/g		
	Se	1	ug/g		
	Sn	5	ug/g		
	Zn	2	ug/g		
	1-methylnaphthalene	0.05	ug/g		
	2-methylnaphthalene	0.05	ug/g		
	Acenaphthene	0.05	ug/g		
	Acenaphthylene	0.05	ug/g		
	Anthracene	0.05	ug/g		

Guideline = * = Guideline Exceedence

** = Analysis completed at Mississauga, Ontario.
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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, TDR = Typical Desired Range

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Group	Analyte	MRL	Units	Lab I.D. Sample Matrix Sample Type Sampling Date Sample I.D.	Guideline
Semi-Volatiles	Benzo(a)anthracene	0.05	ug/g	1109525 Soil 2014-06-05 TP 250	1109528 Soil 2014-06-05 TP 251-OT1
	Benzo(a)pyrene	0.05	ug/g	<0.05	<0.05
	Benzo(b)fluoranthene	0.05	ug/g	<0.05	<0.05
	Benzo(g,h,i)perylene	0.05	ug/g	<0.05	<0.05
	Benzo(k)fluoranthene	0.05	ug/g	<0.05	<0.05
	Chrysene	0.05	ug/g	<0.05	<0.05
	Dibenzo(a,h)anthracene	0.05	ug/g	<0.05	<0.05
	Fluoranthene	0.05	ug/g	<0.05	<0.05
	Fluorene	0.05	ug/g	<0.05	<0.05
	Indeno(1,2,3-c,d)pyrene	0.05	ug/g	<0.05	<0.05
	Naphthalene	0.05	ug/g	<0.05	<0.05
	Phenanthrene	0.05	ug/g	<0.05	<0.05
	Pyrene	0.05	ug/g	<0.05	<0.05
	Benzene	0.02	ug/g	<0.02	<0.02
VOCs	Ethylbenzene	0.05	ug/g	<0.05	<0.05
	m/p-xylene	0.05	ug/g	0.06	0.06
	o-xylene	0.05	ug/g	<0.05	<0.05
	Toluene	0.20	ug/g	<0.20	<0.20
VOCs Surrogates (%)		0	%	103	98

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 Concentration, STD = Standard, PWQO = Provincial Water Quality Guideline, IPWQO
 = Interim Provincial Water Quality Objective, TDR = Typical Desired Range

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Report Number: 1410837
Date Submitted: 2014-06-09
Date Reported: 2014-06-19
Project: QE14-214-2
COC #: 788119

Group	Analyte	MRL	Units	Lab I.D. Sample Matrix Sample Type Sampling Date Sample I.D.	1109529 Soil 2014-06-05 TP 250-DT1	1109530 Soil 2014-06-05 TP 155	1109531 Soil 2014-06-05 TP 158	1109532 Soil 2014-06-05 TP 159
General Chemistry Mercury Metals	Moisture	0.1	%		6.6			
	Hg	0.1	ug/g		<0.1			
	Ag	0.2	ug/g		<0.2			
	As	1	ug/g		<1	<1	<1	<1
	Ba	1	ug/g		45			
	Cd	0.5	ug/g		<0.5			
	Co	1	ug/g		8			
	Cr	1	ug/g		132			
	Cu	1	ug/g		19			
	Mn	1	ug/g		422			
	Mo	1	ug/g		3			
	Ni	1	ug/g		61			
	Pb	1	ug/g		5			
	Se	1	ug/g		<1			
	Sn	5	ug/g		<5			
	Zn	2	ug/g		52			
	1-methylnaphthalene	0.05	ug/g		<0.05			
Semi-Volatiles	2-methylnaphthalene	0.05	ug/g		<0.05			
	Acenaphthene	0.05	ug/g		<0.05			
	Acenaphthylene	0.05	ug/g		<0.05			
	Anthracene	0.05	ug/g		<0.05			
	Benzo(a)anthracene	0.05	ug/g		<0.05			
	Benzo(a)pyrene	0.05	ug/g		<0.05			
	Benzo(b)fluoranthene	0.05	ug/g		<0.05			
	Benzo(g,h,i)perylene	0.05	ug/g		<0.05			
	Benzo(k)fluoranthene	0.05	ug/g		<0.05			

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Concentration, STD = Standard, PWQO = Provincial Water Quality Guideline, IPWQO
= Interim Provincial Water Quality Objective, TDR = Typical Desired Range

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Attention: Ms. Greg Johnson
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Invoice to: Okiytaaluk Environmental

Report Number: 1410837
 Date Submitted: 2014-06-09
 Date Reported: 2014-06-18
 Project: QE14-214-2
 COC #: 788119

Group	Analyte	MRL	Units	Lab I.D. Sample Matrix Sample Type Sampling Date Sample I.D.	1109529 Soil 2014-06-05 TP 250-DT1	1109530 Soil 2014-06-05 TP 155	1109531 Soil 2014-06-05 TP 156	1109532 Soil 2014-06-05 TP 159
Semi-Volatiles	Chrysene	0.05	ug/g		<0.05			
	Dibenzo(a,h)anthracene	0.05	ug/g		<0.05			
	Fluoranthene	0.05	ug/g		<0.05			
	Fluorene	0.05	ug/g		<0.05			
	Indeno(1,2,3-c,d)pyrene	0.05	ug/g		<0.05			
VOCs	Naphthalene	0.05	ug/g		<0.05			
	Phenanthrene	0.05	ug/g		<0.05			
	Pyrene	0.05	ug/g		<0.05			
	Benzene	0.02	ug/g		<0.02			
	Ethylbenzene	0.05	ug/g		<0.05			
VOCs Surrogates (%)	m/p-xylene	0.05	ug/g		0.07			
	o-xylene	0.05	ug/g		<0.05			
	Toluene	0.20	ug/g		<0.20			
	Toluene-d8	0	%		102			

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 Concentration, STD = Standard, PWQO = Provincial Water Quality Guideline, IPWQO
 = Interim Provincial Water Quality Objective, TDR = Typical Desired Range

Attachment C (Application for Certificate of Completion)

Loc : 1
 Voucher : E071600015
 Posting Status : Not Posted
 Date : 2015-04-15
 Receipt Date : 2015-04-09
 Bank : 09851-1001254 HQ/IQ
 Payment Terms : NORTHERN VENDORS
 Approval 1 By :
 Calculate : Tax 1 : No
 Currency Code :
 Posting Date : 2015-04-15
 Total : 30.00 Tax 1 : 30.00 Tax 2 : 0.00 Tax 3 : 0.00

Fiscal Year : 2014/15
 PO/Contract # :
 Not Posted Reason :
 Vendor Code :
 Vendor Name :
 Acct'ing Off. :
 Prepaid :
 Hold :
 Date :
 Tax 2 :
 Desc. :
 Tax 1 : 30.00 Tax 2 : 0.00 Tax 3 : 0.00

Item # : 1
 CMB/CHTN # :
 Price :
 Qty :
 Amount : 30.00
 Coding Blank :
 User Amount : 30.00
 Tax 1 : 30.00 Tax 2 : 0.00 Tax 3 : 0.00

User : Description : APPLICATION WATERLICENSE CANCEL
 Code 1 : Code 2 : Code 3 :
 Tax 1 : Tax 2 : Tax 3 :
 Total : 30.00 Tax 1 : 30.00 Tax 2 : 0.00 Tax 3 : 0.00

Payment Details # : Amount :
 Due Date : 2015-04-15
 Check # :
 Stub Details : Description : CANCELLATION FEE
 Amount : 30.00
 Handling Indicator :
 Payment Method :
 Check : Dom

4/15/15
 [Signature]