

C.O.C.: G35596

REPORT No. B13-24837

Report To:

Hamlet of Pangnirtung

P.O. Box 253,
Pangnirtung Nunavut X0A 0R0 Canada

Attention: Ron Manseau

Caduceon Environmental Laboratories

2378 Holly Lane
Ottawa Ontario K1V 7P1
Tel: 613-526-0123
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DATE RECEIVED: 20-Sep-13

JOB/PROJECT NO.: Waste Water Effluent

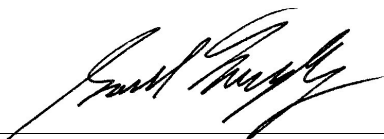
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SAMPLE MATRIX: Waste Water

WATERWORKS NO.

			Client I.D.		Waste Water			
			Sample I.D.		B13-24837-1			
			Date Collected		20-Sep-13			
Parameter	Units	M.D.L.	Reference Method	Date/Site Analyzed				
BOD	mg/L	3	SM 5210B	21-Sep-13/O	111			
Hardness (as CaCO ₃)	mg/L	1	SM 3120	24-Sep-13/O	51			
Alkalinity(CaCO ₃) to pH4.5	mg/L	5	SM 2320B	23-Sep-13/O	332			
Conductivity @25 °C	µmho/cm	1	SM 2510B	23-Sep-13/O	964			
pH @25 °C	pH Units		SM 4500H	23-Sep-13/O	7.48			
Total Suspended Solids	mg/L	3	SM 2540D	25-Sep-13/O	136			
Nitrite (N)	mg/L	0.1	SM4110C	23-Sep-13/O	< 0.1			
Nitrate (N)	mg/L	0.1	SM4110C	23-Sep-13/O	0.2			
Chloride	mg/L	0.5	SM4110C	23-Sep-13/O	53.0			
Sulphate	mg/L	1	SM4110C	23-Sep-13/O	31			
Ammonia (N)-Total	mg/L	0.01	MOEE 3364	24-Sep-13/O	75.2			
Phenolics	mg/L	0.001	MOEE 3179	25-Sep-13/O	0.065			
Total Organic Carbon	mg/L	0.2	EPA 415.1	24-Sep-13/O	47.3			
Aluminum (total)	mg/L	0.01	SM 3120	24-Sep-13/O	1.09			
Arsenic	mg/L	0.0001	EPA 200.8	24-Sep-13/O	0.0003			
Calcium	mg/L	0.02	SM 3120	24-Sep-13/O	13.3			
Cadmium	mg/L	0.005	SM 3120	24-Sep-13/O	< 0.005			
Chromium	mg/L	0.002	SM 3120	24-Sep-13/O	0.002			
Cobalt	mg/L	0.005	SM 3120	24-Sep-13/O	< 0.005			
Copper	mg/L	0.002	SM 3120	24-Sep-13/O	0.149			
Iron (Total)	mg/L	0.005	SM 3120	24-Sep-13/O	1.30			
Lead	mg/L	0.02	SM 3120	24-Sep-13/O	< 0.02			
Mercury	mg/L	0.00002	SM 3112 B	24-Sep-13/O	0.00329			
Magnesium	mg/L	0.01	SM 3120	24-Sep-13/O	4.19			
Manganese (Total)	mg/L	0.001	SM 3120	24-Sep-13/O	0.047			
Nickel	mg/L	0.01	SM 3120	24-Sep-13/O	< 0.01			
Potassium	mg/L	0.1	SM 3120	24-Sep-13/O	27.1			
Sodium	mg/L	0.2	SM 3120	24-Sep-13/O	57.2			



Gord Murphy
Lab Supervisor

M.D.L. = Method Detection Limit

Site Analyzed=K-Kingston,W-Windsor,O-Ottawa,R-Richmond Hill

The analytical results reported herein refer to the samples as received. Reproduction of this analytical report in full or in part is prohibited without prior consent from Caduceon Environmental Laboratories.

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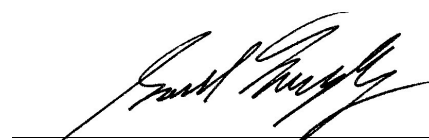
SAMPLE MATRIX: Waste Water

WATERWORKS NO.

			Client I.D.	Waste Water				
			Sample I.D.	B13-24837-1				
			Date Collected	20-Sep-13				
Parameter	Units	M.D.L.	Reference Method	Date/Site Analyzed				
Zinc	mg/L	0.005	SM 3120	24-Sep-13/O	0.162			
Fecal Coliform	cfu/100mL	1	MOE E3371	20-Sep-13/O	910000			
Oil & Grease-Total	mg/L	1.0	SM 5520	27-Sep-13/K	< 1.0			

M.D.L. = Method Detection Limit

Site Analyzed=K-Kingston,W-Windsor,O-Ottawa,R-Richmond Hill



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Lab Supervisor

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