

C.O.C.: ---

REPORT No. B14-09199

Report To:

Hamlet of Pangnirtung

P.O. Box 253,

Pangnirtung Nunavut X0A 0R0 Canada

Attention: Karen Mellor

Caduceon Environmental Laboratories

2378 Holly Lane

Ottawa Ontario K1V 7P1

Tel: 613-526-0123

Fax: 613-526-1244

DATE RECEIVED: 30-Apr-14

JOB/PROJECT NO.:

DATE REPORTED: 09-May-14

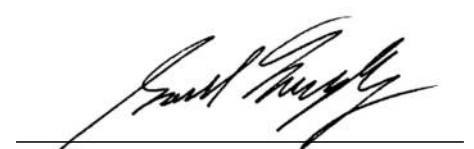
P.O. NUMBER:

SAMPLE MATRIX: Waste Water

WATERWORKS NO.

Client I.D.	Influent	Effluent - 9:30am	Effluent - 9:35am	
Sample I.D.	B14-09199-1	B14-09199-2	B14-09199-3	
Date Collected	23-Apr-14	23-Apr-14	23-Apr-14	

Parameter	Units	M.D.L.	Reference Method	Date/Site Analyzed				
BOD	mg/L	3	SM 5210B	03-May-14/O	420	204	287	
Hardness (as CaCO3)	mg/L	1	SM 3120	02-May-14/O	83	69	47	
Alkalinity(CaCO3) to pH4.5	mg/L	5	SM 2320B	01-May-14/O	535	194	205	
Conductivity @25°C	µmho/cm	1	SM 2510B	01-May-14/O	1450	784	776	
pH @25°C	pH Units		SM 4500H	01-Apr-14/O	7.39	7.41	7.44	
Total Suspended Solids	mg/L	3	SM 2540D	02-May-14/O	268	260	200	
Nitrite (N)	mg/L	0.1	SM4110C	04-May-14/O	< 0.1	12.1	6.9	
Nitrate (N)	mg/L	0.1	SM4110C	04-May-14/O	0.2	0.4	0.2	
Chloride	mg/L	0.5	SM4110C	04-May-14/O	63.4	53.0	52.7	
Sulphate	mg/L	1	SM4110C	04-May-14/O	6	37	36	
Ammonia (N)-Total	mg/L	0.01	MOEE 3364	07-May-14/O	141	45.0	47.2	
Phenolics	mg/L	0.001	MOEE 3179	07-May-14/O	0.246	< 0.001	< 0.001	
Total Organic Carbon	mg/L	0.2	EPA 415.1	02-May-14/O	106	29.8	32.0	
Aluminum (total)	mg/L	0.01	SM 3120	02-May-14/O	2.41	1.61	1.10	
Arsenic	mg/L	0.0005	EPA 200.8	02-May-14/O	0.0008	0.0005	< 0.0005	
Calcium	mg/L	0.02	SM 3120	02-May-14/O	25.2	21.8	14.9	
Cadmium	mg/L	0.005	SM 3120	02-May-14/O	< 0.005	< 0.005	< 0.005	
Chromium	mg/L	0.002	SM 3120	02-May-14/O	0.005	0.004	0.007	
Cobalt	mg/L	0.005	SM 3120	02-May-14/O	< 0.005	< 0.005	< 0.005	
Copper	mg/L	0.002	SM 3120	02-May-14/O	0.384	0.202	0.155	
Iron (Total)	mg/L	0.005	SM 3120	02-May-14/O	1.26	1.34	1.05	
Lead	mg/L	0.02	SM 3120	02-May-14/O	< 0.02	< 0.02	< 0.02	
Mercury	mg/L	0.00002	SM 3112 B	01-May-14/O	0.00012	0.00008	0.00002	
Magnesium	mg/L	0.01	SM 3120	02-May-14/O	4.76	3.42	2.46	
Manganese (Total)	mg/L	0.001	SM 3120	02-May-14/O	0.102	0.069	0.065	
Nickel	mg/L	0.01	SM 3120	02-May-14/O	0.01	< 0.01	0.01	
Potassium	mg/L	0.1	SM 3120	02-May-14/O	37.5	25.2	24.1	



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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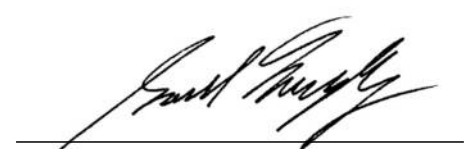
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WATERWORKS NO.

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					Sample I.D.	Date Collected		
Sodium	mg/L	0.2	SM 3120	02-May-14/O	B14-09199-1	65.1	58.8	58.2
Zinc	mg/L	0.005	SM 3120	02-May-14/O	B14-09199-2	0.519	0.342	0.221
Oil & Grease-Total	mg/L	1.0	SM 5520	06-May-14/K	B14-09199-3	50.4	1.9	1.9
Fecal Coliform	cfu/100mL	1	MOE E3371	30-Apr-14/O		4800000	41000	28000



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