

C.O.C.: G37458

REPORT No. B14-01871

Report To:

City of Iqaluit

PO Box 460,
Iqaluit NU X0A 0H0

Attention: Paul Clow

Caduceon Environmental Laboratories

2378 Holly Lane
Ottawa Ontario K1V 7P1
Tel: 613-526-0123
Fax: 613-526-1244

DATE RECEIVED: 29-Jan-14

JOB/PROJECT NO.: Test D

DATE REPORTED: 04-Feb-14

P.O. NUMBER:

SAMPLE MATRIX: Waste Water

WATERWORKS NO.

			Client I.D.		WWTP 1 - Test D	WWTP 2 - TEST D		
			Sample I.D.		B14-01871-1	B14-01871-2		
			Date Collected		17-Dec-13	17-Dec-13		
Parameter	Units	M.D.L.	Reference Method	Date/Site Analyzed				
BOD	mg/L	3	SM 5210B	30-Jan-14/O	361	253		
Conductivity @25°C	µmho/cm	1	SM 2510B	30-Jan-14/O	546	549		
pH @25°C	pH Units		SM 4500H	30-Jan-14/O	6.94	6.97		
Total Suspended Solids	mg/L	3	SM 2540D	31-Jan-14/O	100	112		
Nitrite (N)	mg/L	0.1	SM4110C	29-Jan-14/O	< 0.1	< 0.1		
Nitrate (N)	mg/L	0.1	SM4110C	29-Jan-14/O	< 0.1	< 0.1		
Ammonia (N)-Total	mg/L	0.01	MOEE 3364	03-Feb-14/O	44.0	42.8		
o-Phosphate (P)	mg/L	0.01	MOEE 3366	03-Feb-14/O	5.27	4.97		
Phosphorus-Total	mg/L	0.01	MOEE 3367	03-Feb-14/O	8.15	8.30		
Aluminum (total)	mg/L	0.01	SM 3120	29-Jan-14/O	0.42	0.38		
Antimony	mg/L	0.0005	EPA 200.8	29-Jan-14/O	0.0007	< 0.0005		
Arsenic	mg/L	0.0005	EPA 200.8	29-Jan-14/O	< 0.0005	< 0.0005		
Barium	mg/L	0.001	SM 3120	29-Jan-14/O	0.022	0.024		
Beryllium	mg/L	0.002	SM 3120	29-Jan-14/O	< 0.002	< 0.002		
Bismuth	mg/L	0.02	SM 3120	29-Jan-14/O	< 0.02	< 0.02		
Boron	mg/L	0.005	SM 3120	29-Jan-14/O	0.052	0.048		
Cadmium	mg/L	0.005	SM 3120	29-Jan-14/O	< 0.005	< 0.005		
Calcium	mg/L	0.02	SM 3120	29-Jan-14/O	14.6	14.5		
Chromium	mg/L	0.002	SM 3120	29-Jan-14/O	< 0.002	< 0.002		
Cobalt	mg/L	0.005	SM 3120	29-Jan-14/O	< 0.005	< 0.005		
Copper	mg/L	0.002	SM 3120	29-Jan-14/O	0.422	0.392		
Iron (Total)	mg/L	0.005	SM 3120	29-Jan-14/O	0.584	0.528		
Lead	mg/L	0.02	SM 3120	29-Jan-14/O	< 0.02	< 0.02		
Lithium	mg/L	0.005	SM 3120	29-Jan-14/O	< 0.005	< 0.005		
Magnesium	mg/L	0.01	SM 3120	29-Jan-14/O	3.23	3.16		
Manganese (Total)	mg/L	0.001	SM 3120	29-Jan-14/O	0.058	0.054		
Molybdenum	mg/L	0.01	SM 3120	29-Jan-14/O	< 0.01	< 0.01		
Nickel	mg/L	0.01	SM 3120	29-Jan-14/O	< 0.01	< 0.01		

NOTE: Holding times exceeded for all parameters excluding the metals due to the courier misplacing the cooler upon arrival in Ottawa.



Greg Clarkin, BSc., C. Chem
Lab Manager - Ottawa District

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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			Date Collected		17-Dec-13	17-Dec-13		
Parameter	Units	M.D.L.	Reference Method	Date/Site Analyzed				
Potassium	mg/L	0.1	SM 3120	29-Jan-14/O	10.6	10.0		
Silicon	mg/L	0.01	SM 3120	29-Jan-14/O	1.21	1.15		
Silver	mg/L	0.005	SM 3120	29-Jan-14/O	< 0.005	< 0.005		
Sodium	mg/L	0.2	SM 3120	29-Jan-14/O	20.9	19.7		
Strontium	mg/L	0.001	SM 3120	29-Jan-14/O	0.048	0.050		
Tin	mg/L	0.05	SM 3120	29-Jan-14/O	< 0.05	< 0.05		
Titanium	mg/L	0.005	SM 3120	29-Jan-14/O	0.005	< 0.005		
Uranium	mg/L	0.0003	EPA 200.8	29-Jan-14/O	0.0005	0.0006		
Vanadium	mg/L	0.005	SM 3120	29-Jan-14/O	< 0.005	< 0.005		
Zinc	mg/L	0.005	SM 3120	29-Jan-14/O	0.196	0.176		
Total Coliform	cfu/100mL	1	MOE E3371	29-Jan-14/O	4500000	3700000		
Fecal Coliform	cfu/100mL	1	MOE E3371	29-Jan-14/O	450000	340000		

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