

C.O.C.: G35594

REPORT No. B13-23732

Report To:

Municipality of Qikiqtarjuaq

P.O. Box 4,

Qikiqtarjuaq Nunavut

Attention: Daisy Nuqingaq

Caduceon Environmental Laboratories

2378 Holly Lane

Ottawa Ontario K1V 7P1

Tel: 613-526-0123

Fax: 613-526-1244

DATE RECEIVED: 10-Sep-13

JOB/PROJECT NO.:

DATE REPORTED: 18-Sep-13

P.O. NUMBER:

SAMPLE MATRIX: Waste Water

WATERWORKS NO.

			Client I.D.	Waste Water			
			Sample I.D.	B13-23732-1			
			Date Collected	04-Aug-13			
Parameter	Units	M.D.L.	Reference Method	Date/Site Analyzed			
Hardness (as CaCO ₃)	mg/L	1	SM 3120	11-Sep-13/O	35		
Alkalinity(CaCO ₃) to pH4.5	mg/L	5	SM 2320B	10-Sep-13/O	267		
Conductivity @25°C	µmho/cm	1	SM 2510B	11-Sep-13/O	779		
Total Suspended Solids	mg/L	3	SM 2540D	11-Sep-13/O	156		
pH @25°C	pH Units		SM 4500H	10-Sep-13/O	7.19		
Chloride	mg/L	0.5	SM4110C	10-Sep-13/O	35.5		
Nitrite (N)	mg/L	0.1	SM4110C	10-Sep-13/O	< 0.1		
Nitrate (N)	mg/L	0.1	SM4110C	10-Sep-13/O	0.1		
Sulphate	mg/L	1	SM4110C	10-Sep-13/O	2		
Calcium	mg/L	0.02	SM 3120	11-Sep-13/O	9.55		
Magnesium	mg/L	0.01	SM 3120	11-Sep-13/O	2.79		
Sodium	mg/L	0.2	SM 3120	11-Sep-13/O	43.1		
Potassium	mg/L	0.1	SM 3120	11-Sep-13/O	16.5		
Aluminum (total)	mg/L	0.01	SM 3120	11-Sep-13/O	1.71		
Arsenic	mg/L	0.0001	EPA 200.8	11-Sep-13/O	< 0.0001		
Cadmium	mg/L	0.005	SM 3120	11-Sep-13/O	< 0.005		
Chromium	mg/L	0.002	SM 3120	11-Sep-13/O	0.004		
Cobalt	mg/L	0.005	SM 3120	11-Sep-13/O	< 0.005		
Copper	mg/L	0.002	SM 3120	11-Sep-13/O	0.088		
Iron (Total)	mg/L	0.005	SM 3120	11-Sep-13/O	0.732		
Lead	mg/L	0.02	SM 3120	11-Sep-13/O	< 0.02		
Manganese (Total)	mg/L	0.001	SM 3120	11-Sep-13/O	0.035		
Mercury	mg/L	0.00002	SM 3112 B	11-Sep-13/O	0.00012		
Nickel	mg/L	0.01	SM 3120	11-Sep-13/O	0.03		
Zinc	mg/L	0.005	SM 3120	11-Sep-13/O	0.276		
Ammonia (N)-Total	mg/L	0.01	MOEE 3364	12-Sep-13/O	63.7		
Phenolics	mg/L	0.001	MOEE 3179	13-Sep-13/O	0.160		
BOD	mg/L	3	SM 5210B	11-Sep-13/O	377		



M.D.L. = Method Detection Limit

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

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

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.

C.O.C.: G35594

REPORT No. B13-23732

Report To:

Municipality of Qikiqtarjuaq

P.O. Box 4,

Qikiqtarjuaq Nunavut

Attention: Daisy Nuqingaq

Caduceon Environmental Laboratories

2378 Holly Lane

Ottawa Ontario K1V 7P1

Tel: 613-526-0123

Fax: 613-526-1244

DATE RECEIVED: 10-Sep-13

JOB/PROJECT NO.:

DATE REPORTED: 18-Sep-13

P.O. NUMBER:

SAMPLE MATRIX: Waste Water

WATERWORKS NO.

			Client I.D.	Waste Water			
			Sample I.D.	B13-23732-1			
			Date Collected	04-Aug-13			
Parameter	Units	M.D.L.	Reference Method	Date/Site Analyzed			
Total Organic Carbon	mg/L	0.2	EPA 415.1	10-Sep-13/O	111		
Oil & Grease-Total	mg/L	1.0	SM 5520	18-Sep-13/K	78.6		
Fecal Coliform	cfu/100mL	1	MOE E3371	10-Sep-13/O	5400000		
Anion Sum	meq/L		Calc.	18-Sep-13/O	6.38		
Cation Sum	meq/L		Calc.	18-Sep-13/O	7.51		
% Difference	%		Calc.	18-Sep-13/O	8.13		
Ion Ratio	AS/CS		Calc.	18-Sep-13/O	0.850		
Sodium Adsorption Ratio	-		Calc.	18-Sep-13/O	3.15		
TDS(ion sum calc.)	mg/L		Calc.	18-Sep-13/O	353		
Conductivity (calc.)	µmho/cm		Calc.	18-Sep-13/O	753		
TDS(calc.)/EC(actual)	-		Calc.	18-Sep-13/O	0.453		
EC(calc.)/EC(actual)	-		Calc.	18-Sep-13/O	0.966		
Langelier Index(25°C)	S.I.		Calc.	18-Sep-13/O	-0.856		

M.D.L. = Method Detection Limit

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



Greg Clarkin , BSc., C. Chem

Lab Manager - Ottawa District

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.