

C.O.C.: ---

REPORT No. B15-22555

Report To:

Municipality of Kimmirut

P.O Box 120,

Kimmirut Nu X0A 0N0

Attention: Hosca -

Caduceon Environmental Laboratories

2378 Holly Lane

Ottawa Ontario K1V 7P1

Tel: 613-526-0123

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DATE RECEIVED: 01-Sep-15

JOB/PROJECT NO.:

DATE REPORTED: 09-Sep-15

P.O. NUMBER:

SAMPLE MATRIX: Waste Water

WATERWORKS NO.

			Client I.D.	Kim 1	Kim 2	Kim 3	
			Sample I.D.	B15-22555-1	B15-22555-2	B15-22555-3	
			Date Collected	31-Aug-15	31-Aug-15	31-Aug-15	
Parameter	Units	R.L.	Reference Method	Date/Site Analyzed			
Hardness (as CaCO ₃)	mg/L	1	SM 3120	02-Sep-15/O	95	163	272
Alkalinity(CaCO ₃) to pH4.5	mg/L	5	SM 2320B	01-Sep-15/O	60	348	140
pH @25°C	pH Units		SM 4500H	01-Sep-15/O	7.54	7.67	7.83
Conductivity @25°C	µmho/cm	1	SM 2510B	01-Sep-15/O	212	1060	485
Total Suspended Solids	mg/L	3	SM 2540D	02-Sep-15/O	5	108	64
Chloride	mg/L	0.5	SM4110C	01-Sep-15/O	3.3	44.4	2.7
Nitrite (N)	mg/L	0.1	SM4110C	01-Sep-15/O	< 0.1	< 0.1	< 0.1
Nitrate (N)	mg/L	0.1	SM4110C	01-Sep-15/O	0.1	< 0.1	0.3
Sulphate	mg/L	1	SM4110C	01-Sep-15/O	38	70	116
Aluminum (total)	mg/L	0.01	SM 3120	02-Sep-15/O	0.07	1.02	1.29
Arsenic	mg/L	0.0005	EPA 200.8	03-Sep-15/O	< 0.0005	0.0011	< 0.0005
Cadmium	mg/L	0.005	SM 3120	02-Sep-15/O	< 0.005	< 0.005	< 0.005
Calcium	mg/L	0.02	SM 3120	02-Sep-15/O	26.6	45.8	83.1
Cobalt	mg/L	0.005	SM 3120	02-Sep-15/O	< 0.005	< 0.005	< 0.005
Copper	mg/L	0.002	SM 3120	02-Sep-15/O	< 0.002	0.060	0.009
Chromium	mg/L	0.002	SM 3120	02-Sep-15/O	< 0.002	0.003	0.004
Iron (Total)	mg/L	0.005	SM 3120	02-Sep-15/O	0.177	1.38	4.12
Lead	mg/L	0.02	SM 3120	02-Sep-15/O	< 0.02	< 0.02	< 0.02
Magnesium	mg/L	0.01	SM 3120	02-Sep-15/O	7.02	11.8	15.8
Manganese (Total)	mg/L	0.001	SM 3120	02-Sep-15/O	0.010	0.061	0.232
Mercury	mg/L	0.00002	SM 3112 B	03-Sep-15/O	< 0.00002	0.00003	< 0.00002
Nickel	mg/L	0.01	SM 3120	02-Sep-15/O	< 0.01	< 0.01	< 0.01
Potassium	mg/L	0.1	SM 3120	02-Sep-15/O	0.4	19.9	1.3
Sodium	mg/L	0.2	SM 3120	02-Sep-15/O	4.1	44.3	4.3
Zinc	mg/L	0.005	SM 3120	02-Sep-15/O	< 0.005	0.192	0.213
Ammonia (N)-Total	mg/L	0.01	MOEE 3364	03-Sep-15/O	< 0.01	65.0	< 0.01
Phenolics	mg/L	0.001	MOEE 3179	09-Sep-15/O	< 0.001	0.117	0.014
BOD	mg/L	3	SM 5210B	02-Sep-15/O	< 3	212	< 3

R.L. = Reporting Limit

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

Uncertainty Values available upon request



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.

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			Date Collected	31-Aug-15	31-Aug-15	31-Aug-15	
Parameter	Units	R.L.	Reference Method	Date/Site Analyzed			
Total Organic Carbon	mg/L	0.2	EPA 415.1	02-Sep-15/O	2.0	44.7	5.1
Oil & Grease-Total	mg/L	1.0	SM 5520	06-Sep-15/K	< 1.0	42.7	67.7
Fecal Coliform	cfu/100mL	1	MOE E3371	01-Sep-15/O	1	480000	7

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