

C.O.C.: G095607

REPORT No. B23-02321

Report To:

City of Iqaluit

PO Box 460,

Iqaluit NU X0A 0H0

Attention: Emmanuel Kayode

Caduceon Environmental Laboratories

2378 Holly Lane

Ottawa Ontario K1V 7P1

Tel: 613-526-0123

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DATE RECEIVED: 03-Mar-23

JOB/PROJECT NO.: Y21-Iqaluit F

DATE REPORTED: 14-Mar-23

P.O. NUMBER: 460

SAMPLE MATRIX: Waste Water

WATERWORKS NO.

			Client I.D.	WWTP Influent	WWTP Effluent		
			Sample I.D.	B23-02321-1	B23-02321-2		
			Date Collected	01-Mar-23	03-Mar-23		
Parameter	Units	R.L.	Reference Method	Date/Site Analyzed			
Total Coliform	cfu/100mL	1	MOE E3371	03-Mar-23/O	140000000	64000000	
Fecal Coliform	cfu/100mL	1	MOE E3371	03-Mar-23/O	7800000	2000000	
BOD(5 day)	mg/L	3	SM 5210B	08-Mar-23/K	112	47	
Total Suspended Solids	mg/L	3	SM2540D	08-Mar-23/K	270	64	
Conductivity @25°C	µmho/cm	1	SM 2510B	06-Mar-23/O	400	302	
pH @25°C	pH Units		SM 4500H	06-Mar-23/O	7.68	7.65	
Nitrite (N)	mg/L	0.1	SM4110C	08-Mar-23/O	< 0.1	< 0.1	
Nitrate (N)	mg/L	0.1	SM4110C	08-Mar-23/O	< 0.1	< 0.1	
Ammonia (N)-Total	mg/L	0.01	SM4500-NH3-H	07-Mar-23/K	35.9	25.3	
o-Phosphate (P)	mg/L	0.002	PE4500-S	07-Mar-23/K	4.02	2.12	
Phosphorus-Total	mg/L	0.01	E3516.2	07-Mar-23/K	5.92	3.13	
Aluminum	mg/L	0.01	SM 3120	06-Mar-23/O	0.17	0.08	
Antimony	mg/L	0.0005	EPA 200.8	08-Mar-23/O	0.0006	0.0005	
Arsenic	mg/L	0.0005	EPA 200.8	08-Mar-23/O	< 0.0005	< 0.0005	
Barium	mg/L	0.001	SM 3120	06-Mar-23/O	0.018	0.009	
Beryllium	mg/L	0.002	SM 3120	06-Mar-23/O	< 0.002	< 0.002	
Cadmium	mg/L	0.000070	EPA 200.8	08-Mar-23/O	0.000083	< 0.000070	
Chromium	mg/L	0.002	SM 3120	06-Mar-23/O	0.002	0.002	
Cobalt	mg/L	0.005	SM 3120	06-Mar-23/O	< 0.005	< 0.005	
Copper	mg/L	0.002	SM 3120	06-Mar-23/O	0.320	0.165	
Iron	mg/L	0.005	SM 3120	06-Mar-23/O	0.436	0.209	
Lead	mg/L	0.0001	EPA 200.8	08-Mar-23/O	0.0015	0.0007	
Lithium	mg/L	0.01	SM 3120	06-Mar-23/O	< 0.01	< 0.01	
Manganese	mg/L	0.001	SM 3120	06-Mar-23/O	0.032	0.026	
Mercury	mg/L	0.00002	SM 3112 B	07-Mar-23/O	0.00003	< 0.00002	
Molybdenum	mg/L	0.01	SM 3120	06-Mar-23/O	< 0.01	< 0.01	

M. Dubien

R.L. = Reporting Limit

Test methods may be modified from specified reference method unless indicated by an *

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

Michelle Dubien

Lab Manager

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Nickel	mg/L	0.01	SM 3120	06-Mar-23/O	< 0.01	< 0.01	
Selenium	mg/L	0.005	EPA 200.8	08-Mar-23/O	< 0.005	< 0.005	
Silver	mg/L	0.0001	EPA 200.8	08-Mar-23/O	< 0.0001	< 0.0001	
Strontium	mg/L	0.001	SM 3120	06-Mar-23/O	0.024	0.021	
Thallium	mg/L	0.0003	EPA 200.8	08-Mar-23/O	< 0.0003	< 0.0003	
Tin	mg/L	0.05	SM 3120	06-Mar-23/O	< 0.05	< 0.05	
Titanium	mg/L	0.005	SM 3120	06-Mar-23/O	< 0.005	< 0.005	
Uranium	mg/L	0.0003	EPA 200.8	08-Mar-23/O	< 0.0003	< 0.0003	
Vanadium	mg/L	0.005	SM 3120	06-Mar-23/O	< 0.005	< 0.005	
Zinc	mg/L	0.005	SM 3120	06-Mar-23/O	0.145	0.082	



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