

C.O.C.: G095615

REPORT No. B23-02787

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: 04-Apr-23

JOB/PROJECT NO.: Y21-Iqaluit F

DATE REPORTED: 18-Apr-23

P.O. NUMBER:

SAMPLE MATRIX: Waste Water

WATERWORKS NO.

			Client I.D.	WWTP Influent	WWTP Effluent		
			Sample I.D.	B23-02787-1	B23-02787-2		
			Date Collected	03-Apr-23	03-Apr-23		
Parameter	Units	R.L.	Reference Method	Date/Site Analyzed			
BOD(5 day)	mg/L	3	SM 5210B	12-Apr-23/K	111	89	
Total Suspended Solids	mg/L	3	SM2540D	10-Apr-23/K	145	105	
Conductivity @25°C	µmho/cm	1	SM 2510B	04-Apr-23/O	340	400	
pH @25°C	pH Units		SM 4500H	04-Apr-23/O	7.50	7.55	
Nitrite (N)	mg/L	0.1	SM4110C	05-Apr-23/O	< 0.1	< 0.1	
Nitrate (N)	mg/L	0.1	SM4110C	05-Apr-23/O	0.1	< 0.1	
Ammonia (N)-Total	mg/L	0.01	SM4500-NH3-H	10-Apr-23/K	33.6	38.8	
o-Phosphate (P)	mg/L	0.002	PE4500-S	10-Apr-23/K	2.68	2.77	
Phosphorus-Total	mg/L	0.01	E3516.2	11-Apr-23/K	4.62	4.71	
Aluminum	mg/L	0.01	SM 3120	05-Apr-23/O	0.14	0.11	
Antimony	mg/L	0.0005	EPA 200.8	06-Apr-23/O	< 0.0005	0.0008	
Arsenic	mg/L	0.0005	EPA 200.8	06-Apr-23/O	< 0.0005	< 0.0005	
Barium	mg/L	0.001	SM 3120	05-Apr-23/O	0.006	0.008	
Beryllium	mg/L	0.002	SM 3120	05-Apr-23/O	< 0.002	< 0.002	
Cadmium	mg/L	0.000070	EPA 200.8	06-Apr-23/O	0.000102	< 0.000070	
Chromium	mg/L	0.002	SM 3120	05-Apr-23/O	< 0.002	< 0.002	
Cobalt	mg/L	0.005	SM 3120	05-Apr-23/O	< 0.005	< 0.005	
Copper	mg/L	0.002	SM 3120	05-Apr-23/O	0.267	0.250	
Iron	mg/L	0.005	SM 3120	05-Apr-23/O	0.247	0.273	
Lead	mg/L	0.0001	EPA 200.8	06-Apr-23/O	0.0016	0.0017	
Lithium	mg/L	0.01	SM 3120	05-Apr-23/O	< 0.01	< 0.01	
Manganese	mg/L	0.001	SM 3120	05-Apr-23/O	0.019	0.020	
Mercury	mg/L	0.00002	SM 3112 B	05-Apr-23/O	< 0.00002	< 0.00002	
Molybdenum	mg/L	0.01	SM 3120	05-Apr-23/O	< 0.01	< 0.01	
Nickel	mg/L	0.01	SM 3120	05-Apr-23/O	< 0.01	< 0.01	
Selenium	mg/L	0.005	EPA 200.8	06-Apr-23/O	< 0.005	< 0.005	

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

Steve Garrett

Director of Laboratory Services

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			Date Collected	03-Apr-23	03-Apr-23		
Parameter	Units	R.L.	Reference Method	Date/Site Analyzed			
Silver	mg/L	0.0001	EPA 200.8	06-Apr-23/O	< 0.0001	< 0.0001	
Strontium	mg/L	0.001	SM 3120	05-Apr-23/O	0.023	0.027	
Thallium	mg/L	0.0003	EPA 200.8	06-Apr-23/O	< 0.0003	< 0.0003	
Tin	mg/L	0.05	SM 3120	05-Apr-23/O	< 0.05	< 0.05	
Titanium	mg/L	0.005	SM 3120	05-Apr-23/O	< 0.005	< 0.005	
Uranium	mg/L	0.0003	EPA 200.8	06-Apr-23/O	< 0.0003	< 0.0003	
Vanadium	mg/L	0.005	SM 3120	05-Apr-23/O	< 0.005	< 0.005	
Zinc	mg/L	0.005	SM 3120	05-Apr-23/O	0.102	0.107	
Total Coliform	cfu/100mL	1	MOE E3371	04-Apr-23/O	110000000	70000000	
Fecal Coliform	cfu/100mL	1	MOE E3371	04-Apr-23/O	8000000	4300000	



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