

C.O.C.: G110362

REPORT No. B23-01683

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: 07-Feb-23

JOB/PROJECT NO.: Y21-Iqaluit F

DATE REPORTED: 14-Feb-23

P.O. NUMBER: 460

SAMPLE MATRIX: Waste Water

WATERWORKS NO.

			Client I.D.	WWTP Influent	WWTP Effluent		
			Sample I.D.	B23-01683-1	B23-01683-2		
			Date Collected	06-Feb-23	06-Feb-23		
Parameter	Units	R.L.	Reference Method	Date/Site Analyzed			
BOD(5 day)	mg/L	3	SM 5210B	09-Feb-23/K	181	110	
Total Suspended Solids	mg/L	3	SM2540D	10-Feb-23/K	745	150	
Conductivity @25°C	µmho/cm	1	SM 2510B	08-Feb-23/O	428	270	
pH @25°C	pH Units		SM 4500H	08-Feb-23/O	7.36	7.56	
Nitrite (N)	mg/L	0.1	SM4110C	08-Feb-23/O	< 0.1	< 0.1	
Nitrate (N)	mg/L	0.1	SM4110C	08-Feb-23/O	0.3	0.2	
Ammonia (N)-Total	mg/L	0.01	SM4500-NH3-H	09-Feb-23/K	29.7	18.4	
o-Phosphate (P)	mg/L	0.002	PE4500-S	09-Feb-23/K	3.12	1.56	
Phosphorus-Total	mg/L	0.01	E3516.2	09-Feb-23/K	79.0	4.00	
Aluminum	mg/L	0.01	SM 3120	08-Feb-23/O	1.10	0.09	
Antimony	mg/L	0.0005	EPA 200.8	08-Feb-23/O	0.0008	< 0.0005	
Arsenic	mg/L	0.0005	EPA 200.8	08-Feb-23/O	0.0008	< 0.0005	
Barium	mg/L	0.001	SM 3120	08-Feb-23/O	0.027	0.005	
Beryllium	mg/L	0.002	SM 3120	08-Feb-23/O	< 0.002	< 0.002	
Cadmium	mg/L	0.000070	EPA 200.8	08-Feb-23/O	0.000331	< 0.000070	
Chromium	mg/L	0.002	SM 3120	08-Feb-23/O	0.006	< 0.002	
Cobalt	mg/L	0.005	SM 3120	08-Feb-23/O	< 0.005	< 0.005	
Copper	mg/L	0.002	SM 3120	08-Feb-23/O	0.546	0.150	
Iron	mg/L	0.005	SM 3120	08-Feb-23/O	3.17	0.282	
Lead	mg/L	0.0001	EPA 200.8	08-Feb-23/O	0.0194	0.0010	
Lithium	mg/L	0.01	SM 3120	08-Feb-23/O	< 0.01	< 0.01	
Manganese	mg/L	0.001	SM 3120	08-Feb-23/O	0.083	0.020	
Mercury	mg/L	0.00002	SM 3112 B	08-Feb-23/O	0.00225	< 0.00002	
Molybdenum	mg/L	0.01	SM 3120	08-Feb-23/O	< 0.01	< 0.01	
Nickel	mg/L	0.01	SM 3120	08-Feb-23/O	< 0.01	< 0.01	
Selenium	mg/L	0.005	EPA 200.8	08-Feb-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

Tahir Yapici Ph.D
Lab Manager - Ottawa District

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Silver	mg/L	0.0001	EPA 200.8	08-Feb-23/O	0.0008	< 0.0001	
Strontium	mg/L	0.001	SM 3120	08-Feb-23/O	0.033	0.020	
Thallium	mg/L	0.0003	EPA 200.8	08-Feb-23/O	< 0.0003	< 0.0003	
Tin	mg/L	0.05	SM 3120	08-Feb-23/O	< 0.05	< 0.05	
Titanium	mg/L	0.005	SM 3120	08-Feb-23/O	0.030	< 0.005	
Uranium	mg/L	0.0003	EPA 200.8	08-Feb-23/O	< 0.0003	< 0.0003	
Vanadium	mg/L	0.005	SM 3120	08-Feb-23/O	< 0.005	< 0.005	
Zinc	mg/L	0.005	SM 3120	08-Feb-23/O	0.387	0.082	
Total Coliform	cfu/100mL	1	MOE E3371	07-Feb-23/O	280000000	80000000	
Fecal Coliform	cfu/100mL	1	MOE E3371	07-Feb-23/O	18000000	8000000	



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