

C.O.C.: ---

REPORT No. B23-00241

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

Fax: 613-526-1244

DATE RECEIVED: 04-Jan-23

JOB/PROJECT NO.: Test F

DATE REPORTED: 11-Jan-23

P.O. NUMBER:

SAMPLE MATRIX: Waste Water

WATERWORKS NO.

			Client I.D.	WWTP Influent	WWTP Effluent		
			Sample I.D.	B23-00241-1	B23-00241-2		
			Date Collected	03-Jan-23	03-Jan-23		
Parameter	Units	R.L.	Reference Method	Date/Site Analyzed			
BOD(5 day)	mg/L	3	SM 5210B	05-Jan-23/K	523	111	
Total Suspended Solids	mg/L	3	SM2540D	09-Jan-23/K	320	100	
Conductivity @25°C	µmho/cm	1	SM 2510B	10-Jan-23/O	583	452	
pH @25°C	pH Units		SM 4500H	05-Jan-23/O	7.39	7.51	
Nitrite (N)	mg/L	0.1	SM4110C	05-Jan-23/O	< 0.1	< 0.1	
Nitrate (N)	mg/L	0.1	SM4110C	05-Jan-23/O	< 0.1	< 0.1	
Ammonia (N)-Total	mg/L	0.01	SM4500-NH3-H	09-Jan-23/K	70.5	40.9	
o-Phosphate (P)	mg/L	0.002	PE4500-S	09-Jan-23/K	4.57	2.90	
Phosphorus-Total	mg/L	0.01	E3516.2	06-Jan-23/K	7.83	5.31	
Aluminum	mg/L	0.01	SM 3120	05-Jan-23/O	0.48	0.18	
Antimony	mg/L	0.0005	EPA 200.8	10-Jan-23/O	0.0010	0.0007	
Arsenic	mg/L	0.0005	EPA 200.8	10-Jan-23/O	< 0.0005	< 0.0005	
Barium	mg/L	0.001	SM 3120	05-Jan-23/O	0.013	0.006	
Beryllium	mg/L	0.002	SM 3120	05-Jan-23/O	< 0.002	< 0.002	
Cadmium	mg/L	0.00007	EPA 200.8	10-Jan-23/O	0.000171	0.000103	
Chromium	mg/L	0.002	SM 3120	05-Jan-23/O	< 0.002	< 0.002	
Cobalt	mg/L	0.005	SM 3120	05-Jan-23/O	< 0.005	< 0.005	
Copper	mg/L	0.002	SM 3120	05-Jan-23/O	0.294	0.243	
Iron	mg/L	0.005	SM 3120	05-Jan-23/O	0.927	0.422	
Lead	mg/L	0.0001	EPA 200.8	10-Jan-23/O	0.0099	0.0028	
Lithium	mg/L	0.01	SM 3120	05-Jan-23/O	< 0.01	< 0.01	
Manganese	mg/L	0.001	SM 3120	05-Jan-23/O	0.057	0.045	
Mercury	mg/L	0.00002	SM 3112 B	06-Jan-23/O	0.00003	< 0.00002	
Molybdenum	mg/L	0.01	SM 3120	05-Jan-23/O	< 0.01	< 0.01	
Nickel	mg/L	0.01	SM 3120	05-Jan-23/O	< 0.01	< 0.01	
Selenium	mg/L	0.005	EPA 200.8	10-Jan-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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			Sample I.D.	B23-00241-1	B23-00241-2		
			Date Collected	03-Jan-23	03-Jan-23		
Parameter	Units	R.L.	Reference Method	Date/Site Analyzed			
Silver	mg/L	0.0001	EPA 200.8	10-Jan-23/O	0.0006	0.0001	
Strontium	mg/L	0.001	SM 3120	05-Jan-23/O	0.027	0.023	
Thallium	mg/L	0.0003	EPA 200.8	10-Jan-23/O	< 0.0003	< 0.0003	
Tin	mg/L	0.05	SM 3120	05-Jan-23/O	< 0.05	< 0.05	
Titanium	mg/L	0.005	SM 3120	05-Jan-23/O	0.008	< 0.005	
Uranium	mg/L	0.0003	EPA 200.8	10-Jan-23/O	< 0.0003	< 0.0003	
Vanadium	mg/L	0.005	SM 3120	05-Jan-23/O	< 0.005	< 0.005	
Zinc	mg/L	0.005	SM 3120	05-Jan-23/O	0.201	0.103	
Total Coliform	cfu/100mL	1	MOE E3371	04-Jan-23/O	570000000	80000000	
Fecal Coliform	cfu/100mL	1	MOE E3371	04-Jan-23/O	9000000	3800000	



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