

Certificate of Analysis
Final Report

Report To:

ATCO Frontec Ltd

PO Box 88, Hamlet of Resolute Bay
NU X0A 0V0 Canada

Attention: Philip Chubbs

DATE SUBMITTED: 26-Sep-19

DATE REPORTED: 7-Oct-19

SAMPLE MATRIX: Waste Water

2378 Holly Lane

Ottawa Ontario

Tel: 613-526-01

Fax: 613-526-12

P.O. NUMBER:

WATERWORKS

Client ID:

Sample ID:

Date Collected:

Sewer Outfall

B19-30843-1

23-Sep-19

Parameter	Units	M.D.L.	Reference Method	Date/Site Analyzed	
Hardness (as CaCO ₃)	mg/L	1	SM 3120	04-Oct-19/O	113
Alkalinity(CaCO ₃) to pH4.5	mg/L	5	SM 2320B	26-Sep-19/O	91
pH @25°C	pH Units		SM 4500H	26-Sep-19/O	7.64
Conductivity @25°C	µmho/cm	1	SM 2510B	26-Sep-19/O	311
Total Suspended Solids	mg/L	3	SM2540D	01-Oct-19/K	35
Chloride	mg/L	0.5	SM4110C	02-Oct-19/O	21.6
Nitrite (N)	mg/L	0.1	SM4110C	02-Oct-19/O	< 0.1
Nitrate (N)	mg/L	0.1	SM4110C	02-Oct-19/O	< 0.1
Sulphate	mg/L	1	SM4110C	02-Oct-19/O	27
Aluminum	mg/L	0.01	SM 3120	04-Oct-19/O	0.02
Arsenic	mg/L	0.0005	EPA 200.8	30-Sep-19/O	< 0.0005
Cadmium	mg/L	0.005	SM 3120	04-Oct-19/O	< 0.005
Calcium	mg/L	0.02	SM 3120	04-Oct-19/O	34.5
Chromium	mg/L	0.002	SM 3120	04-Oct-19/O	< 0.002
Cobalt	mg/L	0.005	SM 3120	04-Oct-19/O	< 0.005
Copper	mg/L	0.002	SM 3120	04-Oct-19/O	0.018
Iron	mg/L	0.005	SM 3120	04-Oct-19/O	0.075
Lead	mg/L	0.02	SM 3120	04-Oct-19/O	< 0.02
Magnesium	mg/L	0.02	SM 3120	04-Oct-19/O	6.53
Manganese	mg/L	0.001	SM 3120	04-Oct-19/O	0.003
Mercury	mg/L	0.00002	SM 3112 B	02-Oct-19/O	< 0.00002
Nickel	mg/L	0.01	SM 3120	04-Oct-19/O	< 0.01
Potassium	mg/L	0.1	SM 3120	04-Oct-19/O	1.5
Sodium	mg/L	0.2	SM 3120	04-Oct-19/O	12.1
Zinc	mg/L	0.005	SM 3120	04-Oct-19/O	0.088
Ammonia (N)-Total	mg/L	0.01	SM4500-NH3-H	30-Sep-19/K	0.61
Phenolics	mg/L	0.001	MOEE 3179	30-Sep-19/K	< 0.001
BOD(5 day)	mg/L	3	SM 5210B	27-Sep-19/K	18
Total Organic Carbon	mg/L	0.2	EPA 415.1	02-Oct-19/O	3.2
Oil & Grease-Total	mg/L	1	SM 5520	03-Oct-19/K	2.7

Fecal Coliform	cfu/100mL	1	MOE E3371	26-Sep-19/O	96000
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REPORT No. B19-30843

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244 Resolute Bay (Sewage Outfall)

NO.: