

**Certificate of Analysis
Final Report**

Report To:

ATCO Structure & Logistics Services Ltd

PO Box 88, Hamlet of Resolute Bay

NU X0A 0V0 Canada

Attention: Philip Chubbs

DATE SUBMITTED: 6-Jun-19

DATE REPORTED: 20-Jun-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

B19-16476-1

02-Jun-19

Parameter	Units	M.D.L.	Reference Method	Date/Site Analyzed	
Hardness (as CaCO ₃)	mg/L	1	SM 3120	17-Jun-19/O	136
Alkalinity(CaCO ₃) to pH4.5	mg/L	5	SM 2320B	07-Jun-19/O	104
pH @25°C	pH Units		SM 4500H	07-Jun-19/O	7.68
Conductivity @25°C	µmho/cm	1	SM 2510B	07-Jun-19/O	352
Total Suspended Solids	mg/L	3	SM2540D	17-Jun-19/K	5
Chloride	mg/L	0.5	SM4110C	19-Jun-19/O	19.4
Nitrite (N)	mg/L	0.1	SM4110C	19-Jun-19/O	< 0.1
Nitrate (N)	mg/L	0.1	SM4110C	19-Jun-19/O	0.2
Sulphate	mg/L	1	SM4110C	19-Jun-19/O	35
Aluminum	mg/L	0.01	SM 3120	17-Jun-19/O	0.03
Arsenic	mg/L	0.0005	EPA 200.8	12-Jun-19/O	< 0.0005
Cadmium	mg/L	0.005	SM 3120	17-Jun-19/O	< 0.005
Calcium	mg/L	0.02	SM 3120	17-Jun-19/O	40.7
Chromium	mg/L	0.002	SM 3120	17-Jun-19/O	< 0.002
Cobalt	mg/L	0.005	SM 3120	17-Jun-19/O	< 0.005
Copper	mg/L	0.002	SM 3120	17-Jun-19/O	0.009
Iron	mg/L	0.005	SM 3120	17-Jun-19/O	0.025
Lead	mg/L	0.02	SM 3120	17-Jun-19/O	< 0.02
Magnesium	mg/L	0.02	SM 3120	17-Jun-19/O	8.29
Manganese	mg/L	0.001	SM 3120	17-Jun-19/O	0.003
Mercury	mg/L	0.00002	SM 3112 B	14-Jun-19/O	< 0.00002
Nickel	mg/L	0.01	SM 3120	17-Jun-19/O	< 0.01
Potassium	mg/L	0.1	SM 3120	17-Jun-19/O	1.8
Sodium	mg/L	0.2	SM 3120	17-Jun-19/O	15.6
Zinc	mg/L	0.005	SM 3120	17-Jun-19/O	0.016
Ammonia (N)-Total	mg/L	0.01	SM4500-NH3-H	14-Jun-19/K	0.54
Phenolics	mg/L	0.002	MOEE 3179	13-Jun-19/K	< 0.002
BOD(5 day)	mg/L	3	SM 5210B	07-Jun-19/K	14
Total Organic Carbon	mg/L	0.2	EPA 415.1	14-Jun-19/O	6.3
Oil & Grease-Total	mg/L	1	SM 5520	11-Jun-19/K	4

Fecal Coliform	cfu/100mL	1	MOE E3371	06-Jun-19/O	20000
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244 Resolute Bay (Sewage Outfall)

NO.: