

C.O.C.: ---

REPORT No. B18-30656

Report To:

ATCO Structure & Logistics Services Ltd

PO Box 88, Hamlet of Resolute Bay

NU X0A 0V0 Canada

Attention: Philip Chubbs

Caduceon Environmental Laboratories

2378 Holly Lane

Ottawa Ontario K1V 7P1

Tel: 613-526-0123

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DATE RECEIVED: 04-Oct-18

JOB/PROJECT NO.: Resolute Bay (Sewage Outfall)

DATE REPORTED: 18-Oct-18

P.O. NUMBER:

SAMPLE MATRIX: Waste Water

WATERWORKS NO.

			Client I.D.	Sewer Outfall			
			Sample I.D.	B18-30656-1			
			Date Collected	23-Sep-18			
Parameter	Units	R.L.	Reference Method	Date/Site Analyzed			
Hardness (as CaCO ₃)	mg/L	1	SM 3120	11-Oct-18/O	139		
Alkalinity(CaCO ₃) to pH4.5	mg/L	5	SM 2320B	09-Oct-18/O	130		
pH @25°C	pH Units		SM 4500H	09-Oct-18/O	7.43		
Conductivity @25°C	µmho/cm	1	SM 2510B	09-Oct-18/O	432		
Total Suspended Solids	mg/L	3	SM2540D	10-Oct-18/K	15		
Chloride	mg/L	0.5	SM4110C	10-Oct-18/O	23.1		
Nitrite (N)	mg/L	0.1	SM4110C	10-Oct-18/O	< 0.1		
Nitrate (N)	mg/L	0.1	SM4110C	10-Oct-18/O	< 0.1		
Sulphate	mg/L	1	SM4110C	10-Oct-18/O	34		
Calcium	mg/L	0.02	SM 3120	11-Oct-18/O	40.9		
Magnesium	mg/L	0.02	SM 3120	11-Oct-18/O	8.83		
Sodium	mg/L	0.2	SM 3120	11-Oct-18/O	19.5		
Potassium	mg/L	0.1	SM 3120	11-Oct-18/O	5.0		
Aluminum	mg/L	0.01	SM 3120	11-Oct-18/O	0.21		
Arsenic	mg/L	0.0005	EPA 200.8	10-Oct-18/O	< 0.0005		
Cadmium	mg/L	0.005	SM 3120	11-Oct-18/O	< 0.005		
Chromium	mg/L	0.002	SM 3120	11-Oct-18/O	0.002		
Cobalt	mg/L	0.005	SM 3120	11-Oct-18/O	< 0.005		
Copper	mg/L	0.002	SM 3120	11-Oct-18/O	0.051		
Iron	mg/L	0.005	SM 3120	11-Oct-18/O	0.318		
Lead	mg/L	0.02	SM 3120	11-Oct-18/O	< 0.02		
Manganese	mg/L	0.001	SM 3120	11-Oct-18/O	0.012		
Mercury	mg/L	0.00002	SM 3112 B	12-Oct-18/O	< 0.00002		
Nickel	mg/L	0.01	SM 3120	11-Oct-18/O	< 0.01		
Zinc	mg/L	0.005	SM 3120	11-Oct-18/O	0.072		
Ammonia (N)-Total	mg/L	0.01	SM4500-NH ₃ -H	10-Oct-18/K	2.48		
Phenolics	mg/L	0.002	MOEE 3179	11-Oct-18/K	0.015		

NOTE: Holding times exceeded for several parameters (including Fecal Coliform) upon arrival at the Lab.



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

Greg Clarkin , BSc., C. Chem
Lab Manager - Ottawa District

The analytical results reported herein refer to the samples as received. Reproduction of this analytical report in full or in part is prohibited without prior consent from Caduceon Environmental Laboratories.

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			Date Collected	23-Sep-18				
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BOD	mg/L	3	SM 5210B	10-Oct-18/O	15			
Total Organic Carbon	mg/L	0.2	EPA 415.1	09-Oct-18/O	5.7			
Oil & Grease-Total	mg/L	1.0	SM 5520	15-Oct-18/K	6.5			
Fecal Coliform	cfu/100mL	1	MOE E3371	05-Oct-18/O	4700			

NOTE: Holding times exceeded for several parameters (including Fecal Coliform) upon arrival at the Lab.



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