

C.O.C.: ---

REPORT No. B18-16037

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: 07-Jun-18

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

DATE REPORTED: 14-Jun-18

P.O. NUMBER:

SAMPLE MATRIX: Waste Water

WATERWORKS NO.

			Client I.D.	Sewer Outfall			
			Sample I.D.	B18-16037-1			
			Date Collected	04-Jun-18			
Parameter	Units	R.L.	Reference Method	Date/Site Analyzed			
Hardness (as CaCO ₃)	mg/L	1	SM 3120	14-Jun-18/O	164		
Alkalinity(CaCO ₃) to pH4.5	mg/L	5	SM 2320B	08-Jun-18/O	121		
pH @25°C	pH Units		SM 4500H	08-Jun-18/O	7.89		
Conductivity @25°C	µmho/cm	1	SM 2510B	08-Jun-18/O	396		
Total Suspended Solids	mg/L	3	SM 2540D	08-Jun-18/O	84		
Chloride	mg/L	0.5	SM4110C	07-Jun-18/O	24.6		
Nitrite (N)	mg/L	0.1	SM4110C	07-Jun-18/O	< 0.1		
Nitrate (N)	mg/L	0.1	SM4110C	07-Jun-18/O	0.2		
Sulphate	mg/L	1	SM4110C	07-Jun-18/O	42		
Aluminum	mg/L	0.01	SM 3120	14-Jun-18/O	0.13		
Arsenic	mg/L	0.0005	EPA 200.8	07-Jun-18/O	< 0.0005		
Cadmium	mg/L	0.005	SM 3120	14-Jun-18/O	< 0.005		
Calcium	mg/L	0.02	SM 3120	14-Jun-18/O	49.2		
Chromium	mg/L	0.002	SM 3120	14-Jun-18/O	< 0.002		
Cobalt	mg/L	0.005	SM 3120	14-Jun-18/O	< 0.005		
Copper	mg/L	0.002	SM 3120	14-Jun-18/O	0.066		
Iron	mg/L	0.005	SM 3120	14-Jun-18/O	0.173		
Lead	mg/L	0.02	SM 3120	14-Jun-18/O	< 0.02		
Magnesium	mg/L	0.02	SM 3120	14-Jun-18/O	9.94		
Manganese	mg/L	0.001	SM 3120	14-Jun-18/O	0.011		
Mercury	mg/L	0.00002	SM 3112 B	14-Jun-18/O	< 0.00002		
Nickel	mg/L	0.01	SM 3120	14-Jun-18/O	< 0.01		
Potassium	mg/L	0.1	SM 3120	14-Jun-18/O	3.3		
Sodium	mg/L	0.2	SM 3120	14-Jun-18/O	17.4		
Zinc	mg/L	0.005	SM 3120	14-Jun-18/O	0.069		
Ammonia (N)-Total	mg/L	0.01	SM4500-NH ₃ -H	12-Jun-18/K	1.13		
Phenolics	mg/L	0.001	MOEE 3179	08-Jun-18/O	0.004		

NOTE: Acceptable Holding Times for Fecal Coliform exceeded upon arrival at 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	04-Jun-18				
Parameter	Units	R.L.	Reference Method	Date/Site Analyzed				
BOD	mg/L	3	SM 5210B	07-Jun-18/O	41			
Total Organic Carbon	mg/L	0.2	EPA 415.1	11-Jun-18/O	7.2			
Oil & Grease-Total	mg/L	1.0	SM 5520	12-Jun-18/K	16.7			
Fecal Coliform	cfu/100mL	1	MOE E3371	07-Jun-18/O	45000			

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