

C.O.C.: ---

REPORT No. B16-16035

Report To:

ATCO Structure & Logistics
PO Box 88, Hamlet of Resolute Bay
NU X0A 0V0 Canada

Attention: Rick Gaulton

Caduceon Environmental Laboratories

2378 Holly Lane
Ottawa Ontario K1V 7P1
Tel: 613-526-0123
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DATE RECEIVED: 09-Jun-16

JOB/PROJECT NO.: Hamlet of Resolute Bay

DATE REPORTED: 20-Jun-16

P.O. NUMBER:

SAMPLE MATRIX: Waste Water

WATERWORKS NO.

			Client I.D.	Sewer Discharge Pipe			
			Sample I.D.	B16-16035-1			
			Date Collected	26-May-16			
Parameter	Units	R.L.	Reference Method	Date/Site Analyzed			
BOD	mg/L	3	SM 5210B	13-Jun-16/O	19		
Total Suspended Solids	mg/L	3	SM 2540D	10-Jun-16/O	4		
Hardness (as CaCO ₃)	mg/L	1	SM 3120	10-Jun-16/O	190		
Alkalinity(CaCO ₃) to pH4.5	mg/L	5	SM 2320B	10-Jun-16/O	116		
Conductivity @25°C	µmho/cm	1	SM 2510B	10-Jun-16/O	593		
pH @25°C	pH Units		SM 4500H	10-Jun-16/O	7.92		
Nitrite (N)	mg/L	0.1	SM4110C	09-Jun-16/O	< 0.1		
Nitrate (N)	mg/L	0.1	SM4110C	09-Jun-16/O	0.1		
Chloride	mg/L	0.5	SM4110C	09-Jun-16/O	76.3		
Sulphate	mg/L	1	SM4110C	09-Jun-16/O	80		
Total Organic Carbon	mg/L	0.2	EPA 415.1	16-Jun-16/O	1.7		
Ammonia (N)-Total	mg/L	0.01	MOEE 3364	16-Jun-16/O	0.41		
Phenolics	mg/L	0.001	MOEE 3179	13-Jun-16/O	< 0.001		
Arsenic	mg/L	0.0005	EPA 200.8	13-Jun-16/O	< 0.0005		
Aluminum	mg/L	0.01	SM 3120	10-Jun-16/O	0.03		
Calcium	mg/L	0.02	SM 3120	10-Jun-16/O	53.4		
Cadmium	mg/L	0.005	SM 3120	10-Jun-16/O	< 0.005		
Chromium	mg/L	0.002	SM 3120	10-Jun-16/O	< 0.002		
Cobalt	mg/L	0.005	SM 3120	10-Jun-16/O	< 0.005		
Copper	mg/L	0.002	SM 3120	10-Jun-16/O	0.009		
Iron	mg/L	0.005	SM 3120	10-Jun-16/O	0.026		
Lead	mg/L	0.02	SM 3120	10-Jun-16/O	< 0.02		
Magnesium	mg/L	0.01	SM 3120	10-Jun-16/O	13.7		
Manganese	mg/L	0.001	SM 3120	10-Jun-16/O	0.020		
Mercury	mg/L	0.00002	SM 3112 B	10-Jun-16/O	< 0.00002		
Nickel	mg/L	0.01	SM 3120	10-Jun-16/O	< 0.01		

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

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.



Gord Murphy
Lab Supervisor

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			Sample I.D.		B16-16035-1			
			Date Collected		26-May-16			
Parameter	Units	R.L.	Reference Method	Date/Site Analyzed				
Potassium	mg/L	0.1	SM 3120	10-Jun-16/O	4.0			
Sodium	mg/L	0.2	SM 3120	10-Jun-16/O	48.9			
Zinc	mg/L	0.005	SM 3120	10-Jun-16/O	0.015			
Oil & Grease-Total	mg/L	1.0	SM 5520	13-Jun-16/K	1.5			
Fecal Coliform	cfu/100mL	1	MOE E3371	10-Jun-16/O	37			

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