

C.O.C.: ---

REPORT No. B16-30747

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
Fax: 613-526-1244

DATE RECEIVED: 12-Oct-16

JOB/PROJECT NO.: Hamlet of Resolute Bay

DATE REPORTED: 25-Oct-16

P.O. NUMBER:

SAMPLE MATRIX: Waste Water

WATERWORKS NO.

			Client I.D.		Sewer Lagoon	Utilidar Discharge		
			Sample I.D.		B16-30747-1	B16-30747-2		
			Date Collected		05-Oct-16	05-Oct-16		
Parameter	Units	R.L.	Reference Method	Date/Site Analyzed				
BOD	mg/L	3	SM 5210B	13-Oct-16/O	458	49		
Total Suspended Solids	mg/L	3	SM 2540D	13-Oct-16/O	98	112		
Hardness (as CaCO ₃)	mg/L	1	SM 3120	13-Oct-16/O	200	209		
Alkalinity(CaCO ₃) to pH4.5	mg/L	3	SM 2320	17-Oct-16/K	547	147		
Conductivity @25°C	µmho/cm	1	SM2510B	17-Oct-16/K	1640	841		
pH @25°C	pH Units		SM4500H+	17-Oct-16/K	7.39	7.59		
Nitrite (N)	mg/L	0.1	SM4110C	16-Oct-16/O	< 0.1	< 0.1		
Nitrate (N)	mg/L	0.1	SM4110C	16-Oct-16/O	0.1	< 0.1		
Chloride	mg/L	0.5	SM4110C	16-Oct-16/O	96.7	111		
Sulphate	mg/L	1	SM4110C	16-Oct-16/O	61	95		
Total Organic Carbon	mg/L	0.2	EPA 415.1	19-Oct-16/O	8.9	98.6		
Ammonia (N)-Total	mg/L	0.01	MOEE 3364	18-Oct-16/O	113	12.6		
Phenolics	mg/L	0.001	MOEE 3179	13-Oct-16/O	0.275	0.006		
Aluminum	mg/L	0.01	SM 3120	13-Oct-16/O	0.23	0.33		
Arsenic	mg/L	0.0005	EPA 200.8	13-Oct-16/O	0.0011	0.0006		
Calcium	mg/L	0.02	SM 3120	13-Oct-16/O	54.0	56.6		
Cadmium	mg/L	0.005	SM 3120	13-Oct-16/O	< 0.005	< 0.005		
Cobalt	mg/L	0.005	SM 3120	13-Oct-16/O	< 0.005	< 0.005		
Copper	mg/L	0.002	SM 3120	13-Oct-16/O	0.144	0.079		
Chromium	mg/L	0.002	SM 3120	13-Oct-16/O	0.003	< 0.002		
Iron	mg/L	0.005	SM 3120	13-Oct-16/O	0.629	0.167		
Lead	mg/L	0.02	SM 3120	13-Oct-16/O	< 0.02	< 0.02		
Magnesium	mg/L	0.01	SM 3120	13-Oct-16/O	15.7	16.3		
Manganese	mg/L	0.001	SM 3120	13-Oct-16/O	0.129	0.013		
Mercury	mg/L	0.00002	SM 3112 B	13-Oct-16/O	0.00002	0.00004		
Nickel	mg/L	0.01	SM 3120	13-Oct-16/O	< 0.01	< 0.01		
Potassium	mg/L	0.1	SM 3120	13-Oct-16/O	38.2	7.1		

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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			Date Collected	05-Oct-16	05-Oct-16		
Parameter	Units	R.L.	Reference Method	Date/Site Analyzed			
Sodium	mg/L	0.2	SM 3120	13-Oct-16/O	83.9	56.3	
Zinc	mg/L	0.005	SM 3120	13-Oct-16/O	0.183	0.152	
Oil & Grease-Total	mg/L	1.0	SM 5520	19-Oct-16/K	62.5	21.5	
Fecal Coliform	cfu/100mL	1	MOE E3371	12-Oct-16/O	2800000	140000	

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Lab Supervisor

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