

C.O.C.: ---

REPORT No. B14-32093

Report To:

ATCO Structure & Logistics

PO Box 88,
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-Dec-14

JOB/PROJECT NO.: Hamlet of Resolute Bay

DATE REPORTED: 18-Dec-14

P.O. NUMBER:

SAMPLE MATRIX: Waste Water

WATERWORKS NO.

			Client I.D.	Lagoon			
			Sample I.D.	B14-32093-1			
			Date Collected	05-Nov-14			
Parameter	Units	M.D.L.	Reference Method	Date/Site Analyzed			
BOD	mg/L	3	SM 5210B	13-Dec-14/O	933		
Total Suspended Solids	mg/L	3	SM 2540D	17-Dec-14/O	196		
Hardness (as CaCO ₃)	mg/L	1	SM 3120	15-Dec-14/O	166		
Alkalinity(CaCO ₃) to pH4.5	mg/L	5	SM 2320B	15-Dec-14/O	461		
Conductivity @25°C	µmho/cm	1	SM 2510B	15-Dec-14/O	1430		
pH @25°C	pH Units		SM 4500H	15-Dec-14/O	6.78		
Nitrite (N)	mg/L	0.1	SM4110C	15-Dec-14/O	< 0.1		
Nitrate (N)	mg/L	0.1	SM4110C	15-Dec-14/O	0.1		
Chloride	mg/L	0.5	SM4110C	15-Dec-14/O	96.2		
Sulphate	mg/L	1	SM4110C	15-Dec-14/O	12		
Total Organic Carbon	mg/L	0.2	EPA 415.1	17-Dec-14/O	239		
Ammonia (N)-Total	mg/L	0.01	MOEE 3364	16-Dec-14/O	79.3		
Phenolics	mg/L	0.001	MOEE 3179	17-Dec-14/O	0.229		
Aluminum (total)	mg/L	0.01	SM 3120	15-Dec-14/O	0.66		
Arsenic	mg/L	0.0001	EPA 200.8	15-Dec-14/O	0.0001		
Calcium	mg/L	0.02	SM 3120	15-Dec-14/O	47.3		
Cadmium	mg/L	0.005	SM 3120	15-Dec-14/O	< 0.005		
Cobalt	mg/L	0.005	SM 3120	15-Dec-14/O	< 0.005		
Copper	mg/L	0.002	SM 3120	15-Dec-14/O	0.127		
Chromium	mg/L	0.002	SM 3120	15-Dec-14/O	0.003		
Iron (Total)	mg/L	0.005	SM 3120	15-Dec-14/O	2.19		
Lead	mg/L	0.02	SM 3120	15-Dec-14/O	< 0.02		
Magnesium	mg/L	0.01	SM 3120	15-Dec-14/O	11.7		
Manganese (Total)	mg/L	0.001	SM 3120	15-Dec-14/O	0.104		
Mercury	mg/L	0.00002	SM 3112 B	16-Dec-14/O	< 0.00002		
Nickel	mg/L	0.01	SM 3120	15-Dec-14/O	< 0.01		
Potassium	mg/L	0.1	SM 3120	15-Dec-14/O	29.9		
Sodium	mg/L	0.2	SM 3120	15-Dec-14/O	86.7		



Gord Murphy
Lab Supervisor

M.D.L. = Method Detection Limit

Site Analyzed=K-Kingston,W-Windsor,O-Ottawa,R-Richmond Hill

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Zinc	mg/L	0.005	SM 3120	15-Dec-14/O	0.145			
Oil & Grease-Total	mg/L	1.0	SM 5520	18-Dec-14/K	12.1			
Fecal Coliform	cfu/100mL	1	MOE E3371	12-Dec-14/O	480000			



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Lab Supervisor