

C.O.C.: ---

REPORT No. B14-32098

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-Dec-14

JOB/PROJECT NO.: Hamlet of Resolute Bay

DATE REPORTED: 19-Dec-14

P.O. NUMBER:

SAMPLE MATRIX: Waste Water

WATERWORKS NO.

			Client I.D.	Waste Water Truck			
			Sample I.D.	B14-32098-1			
			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	1390		
Total Suspended Solids	mg/L	3	SM 2540D	17-Dec-14/O	304		
Hardness (as CaCO ₃)	mg/L	1	SM 3120	15-Dec-14/O	167		
Alkalinity(CaCO ₃) to pH4.5	mg/L	5	SM 2320B	15-Dec-14/O	299		
Conductivity @25°C	µmho/cm	1	SM 2510B	15-Dec-14/O	1180		
pH @25°C	pH Units		SM 4500H	15-Dec-14/O	5.71		
Nitrite (N)	mg/L	0.1	SM4110C	15-Dec-14/O	< 0.1		
Nitrate (N)	mg/L	0.1	SM4110C	15-Dec-14/O	0.2		
Chloride	mg/L	0.5	SM4110C	15-Dec-14/O	81.8		
Sulphate	mg/L	1	SM4110C	15-Dec-14/O	46		
Total Organic Carbon	mg/L	0.2	EPA 415.1	17-Dec-14/O	371		
Ammonia (N)-Total	mg/L	0.01	MOEE 3364	16-Dec-14/O	71.8		
Phenolics	mg/L	0.001	MOEE 3179	17-Dec-14/O	0.095		
Aluminum (total)	mg/L	0.01	SM 3120	15-Dec-14/O	1.77		
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	49.0		
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	0.160		
Chromium	mg/L	0.002	SM 3120	15-Dec-14/O	0.004		
Iron (Total)	mg/L	0.005	SM 3120	15-Dec-14/O	2.49		
Potassium	mg/L	0.1	SM 3120	15-Dec-14/O	24.9		
Magnesium	mg/L	0.01	SM 3120	15-Dec-14/O	10.9		
Manganese (Total)	mg/L	0.001	SM 3120	15-Dec-14/O	0.099		
Mercury	mg/L	0.00002	SM 3112 B	16-Dec-14/O	< 0.00002		
Sodium	mg/L	0.2	SM 3120	15-Dec-14/O	78.1		
Nickel	mg/L	0.01	SM 3120	15-Dec-14/O	< 0.01		



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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			Date Collected	05-Nov-14			
Parameter	Units	M.D.L.	Reference Method	Date/Site Analyzed			
Lead	mg/L	0.02	SM 3120	15-Dec-14/O	< 0.02		
Zinc	mg/L	0.005	SM 3120	15-Dec-14/O	0.196		
Oil & Grease-Total	mg/L	1.0	SM 5520	19-Dec-14/K	199		
Fecal Coliform	cfu/100mL	1	MOE E3371	12-Dec-14/O	830000		



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