

C.O.C.: ---

REPORT No. B18-18487

Report To:

Hamlet of Resolute Bay
P.O. Box 88,
Resolute Bay NU X0A 0V0 Canada

Attention: SAO -

Caduceon Environmental Laboratories

2378 Holly Lane
Ottawa Ontario K1V 7P1
Tel: 613-526-0123
Fax: 613-526-1244

DATE RECEIVED: 27-Jun-18

JOB/PROJECT NO.: Resolute Bay Waste Water

DATE REPORTED: 09-Jul-18

P.O. NUMBER:

SAMPLE MATRIX: Waste Water

WATERWORKS NO.

			Client I.D.	(Effluent from Sewage Lagoon) YYRB-2	(Effluent from Sewage Lagoon) YYRB-3	(Effluent from Sewage Lagoon) YYRB-2	
			Sample I.D.	B18-18487-1	B18-18487-2	B18-18487-3	
			Date Collected	24-Jun-18	24-Jun-18	24-Jun-18	
Parameter	Units	R.L.	Reference Method	Date/Site Analyzed			
Hardness (as CaCO ₃)	mg/L	1	SM 3120	28-Jun-18/O	62	89	126
Alkalinity(CaCO ₃) to pH4.5	mg/L	5	SM 2320B	27-Jun-18/O	67	71	208
pH @25°C	pH Units		SM 4500H	27-Jun-18/O	8.15	8.05	7.67
Conductivity @25°C	µmho/cm	1	SM 2510B	27-Jun-18/O	139	155	694
Total Suspended Solids	mg/L	3	SM 2540D	28-Jun-18/O	< 3	< 3	76
Chloride	mg/L	0.5	SM4110C	28-Jun-18/O	3.5	4.0	47.9
Nitrite (N)	mg/L	0.1	SM4110C	28-Jun-18/O	< 0.1	< 0.1	< 0.1
Nitrate (N)	mg/L	0.1	SM4110C	28-Jun-18/O	< 0.1	< 0.1	< 0.1
Sulphate	mg/L	1	SM4110C	28-Jun-18/O	2	3	26
Arsenic	mg/L	0.0005	EPA 200.8	28-Jun-18/O	< 0.0005	< 0.0005	0.0007
Aluminum	mg/L	0.01	SM 3120	28-Jun-18/O	0.02	0.02	0.13
Cadmium	mg/L	0.005	SM 3120	28-Jun-18/O	< 0.005	< 0.005	< 0.005
Calcium	mg/L	0.02	SM 3120	28-Jun-18/O	18.4	26.0	35.9
Chromium	mg/L	0.002	SM 3120	28-Jun-18/O	< 0.002	0.002	0.004
Cobalt	mg/L	0.005	SM 3120	28-Jun-18/O	< 0.005	< 0.005	< 0.005
Copper	mg/L	0.002	SM 3120	28-Jun-18/O	< 0.002	0.006	0.087
Iron	mg/L	0.005	SM 3120	28-Jun-18/O	0.006	0.134	0.592
Lead	mg/L	0.02	SM 3120	28-Jun-18/O	< 0.02	< 0.02	< 0.02
Mercury	mg/L	0.00002	SM 3112 B	28-Jun-18/O	< 0.00002	< 0.00002	< 0.00002
Magnesium	mg/L	0.02	SM 3120	28-Jun-18/O	4.00	5.88	8.77
Manganese	mg/L	0.001	SM 3120	28-Jun-18/O	< 0.001	0.007	0.039
Nickel	mg/L	0.01	SM 3120	28-Jun-18/O	< 0.01	< 0.01	0.01
Potassium	mg/L	0.1	SM 3120	28-Jun-18/O	0.2	0.3	15.6
Sodium	mg/L	0.2	SM 3120	28-Jun-18/O	2.9	4.9	42.5
Zinc	mg/L	0.005	SM 3120	28-Jun-18/O	0.006	0.019	0.177



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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			Sample I.D.	B18-18487-1	B18-18487-2	B18-18487-3	
			Date Collected	24-Jun-18	24-Jun-18	24-Jun-18	
Parameter	Units	R.L.	Reference Method	Date/Site Analyzed			
Ammonia (N)-Total	mg/L	0.01	SM4500-NH3-H	29-Jun-18/K	< 0.01	0.02	39.2
Phenolics	mg/L	0.001	MOEE 3179	28-Jun-18/O	< 0.001	< 0.001	0.077
BOD	mg/L	3	SM 5210B	28-Jun-18/O	< 3	< 3	144
Total Organic Carbon	mg/L	0.2	EPA 415.1	29-Jun-18/O	1.3	1.5	59.7
Oil & Grease-Total	mg/L	1.0	SM 5520	29-Jun-18/K	< 1.0	< 1.0	32.7
Fecal Coliform	cfu/100mL	1	MOE E3371	27-Jun-18/O	< 10	< 10	12000

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