

C.O.C.: ---

REPORT No. B18-20634

Report To:

Municipality of Cape Dorset

PO Box 30,
Cape Dorset NU X0A 0C0 Canada

Attention: SAO -

Caduceon Environmental Laboratories

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

DATE RECEIVED: 16-Jul-18

JOB/PROJECT NO.: Waste Water

DATE REPORTED: 24-Jul-18

P.O. NUMBER:

SAMPLE MATRIX: Waste Water

WATERWORKS NO.

			Client I.D.	Cap 3 Lagoon	Cap 4 Lagoon	Cap 5 Lagoon	
			Sample I.D.	B18-20634-1	B18-20634-2	B18-20634-3	
			Date Collected	04-Jul-18	04-Jul-18	04-Jul-18	
Parameter	Units	R.L.	Reference Method	Date/Site Analyzed			
Hardness (as CaCO ₃)	mg/L	1	SM 3120	17-Jul-18/O	78	104	66
Alkalinity(CaCO ₃) to pH4.5	mg/L	5	SM 2320B	17-Jul-18/O	259	184	114
pH @25°C	pH Units		SM 4500H	17-Jul-18/O	7.58	7.52	7.32
Conductivity @25°C	µmho/cm	1	SM 2510B	17-Jul-18/O	945	737	362
Total Suspended Solids	mg/L	3	SM 2540D	17-Jul-18/O	40	40	41
Chloride	mg/L	0.5	SM4110C	18-Jul-18/O	61.7	56.9	20.2
Nitrite (N)	mg/L	0.1	SM4110C	18-Jul-18/O	< 0.1	< 0.1	< 0.1
Nitrate (N)	mg/L	0.1	SM4110C	18-Jul-18/O	< 0.1	< 0.1	< 0.1
Sulphate	mg/L	1	SM4110C	18-Jul-18/O	< 1	42	13
Aluminum	mg/L	0.01	SM 3120	17-Jul-18/O	0.28	0.19	0.50
Arsenic	mg/L	0.0005	EPA 200.8	23-Jul-18/O	0.0009	0.0020	0.0022
Calcium	mg/L	0.02	SM 3120	17-Jul-18/O	22.9	30.6	19.8
Cadmium	mg/L	0.005	SM 3120	17-Jul-18/O	< 0.005	< 0.005	< 0.005
Chromium	mg/L	0.002	SM 3120	17-Jul-18/O	< 0.002	< 0.002	< 0.002
Cobalt	mg/L	0.005	SM 3120	17-Jul-18/O	0.010	0.006	< 0.005
Copper	mg/L	0.002	SM 3120	17-Jul-18/O	0.101	0.041	0.012
Iron	mg/L	0.005	SM 3120	17-Jul-18/O	1.07	2.11	2.49
Lead	mg/L	0.02	SM 3120	17-Jul-18/O	< 0.02	< 0.02	< 0.02
Magnesium	mg/L	0.02	SM 3120	17-Jul-18/O	4.98	6.75	3.97
Manganese	mg/L	0.001	SM 3120	17-Jul-18/O	0.082	0.715	0.240
Mercury	mg/L	0.00002	SM 3112 B	18-Jul-18/O	0.00004	< 0.00002	< 0.00002
Nickel	mg/L	0.01	SM 3120	17-Jul-18/O	< 0.01	< 0.01	< 0.01
Potassium	mg/L	0.1	SM 3120	17-Jul-18/O	18.9	14.2	7.7
Sodium	mg/L	0.2	SM 3120	17-Jul-18/O	43.8	35.8	18.4
Zinc	mg/L	0.005	SM 3120	17-Jul-18/O	0.138	0.074	0.043
Ammonia (N)-Total	mg/L	0.01	SM4500-NH ₃ -H	17-Jul-18/K	70.3	41.8	22.8

NOTE: Fecal Coliform passed acceptable holding time upon arrival at Lab.



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.	B18-20634-1	B18-20634-2	B18-20634-3	
			Date Collected	04-Jul-18	04-Jul-18	04-Jul-18	
Parameter	Units	R.L.	Reference Method	Date/Site Analyzed			
Phenolics	mg/L	0.001	MOEE 3179	19-Jul-18/K	0.416	0.334	0.138
BOD	mg/L	3	SM 5210B	16-Jul-18/O	174	97	44
Total Organic Carbon	mg/L	0.2	EPA 415.1	17-Jul-18/O	116	58.8	29.1
Oil & Grease-Total	mg/L	1.0	SM 5520	19-Jul-18/K	29.3	12.9	3.6
Fecal Coliform	cfu/100mL	1	MOE E3371	16-Jul-18/O	52000	10000	50

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