

C.O.C.: ---

REPORT No. B16-25436

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: 25-Aug-16

JOB/PROJECT NO.: Resolute Bay Waste Water

DATE REPORTED: 31-Aug-16

P.O. NUMBER:

SAMPLE MATRIX: Waste Water

WATERWORKS NO.

			Client I.D.	Lagoon YRB-2	Wetland YRB-3	Wetland YRB-1	
			Sample I.D.	B16-25436-1	B16-25436-2	B16-25436-3	
			Date Collected	23-Aug-16	23-Aug-16	23-Aug-16	
Parameter	Units	R.L.	Reference Method	Date/Site Analyzed			
BOD	mg/L	3	SM 5210B	26-Aug-16/O	398	< 3	< 3
Total Suspended Solids	mg/L	3	SM 2540D	30-Aug-16/O	192	< 3	< 3
Hardness (as CaCO ₃)	mg/L	1	SM 3120	26-Aug-16/O	161	146	160
Alkalinity(CaCO ₃) to pH4.5	mg/L	5	SM 2320B	29-Aug-16/O	319	133	136
Conductivity @25°C	µmho/cm	1	SM 2510B	25-Aug-16/O	1020	389	455
pH @25°C	pH Units		SM 4500H	29-Aug-16/O	7.48	7.87	7.96
Nitrite (N)	mg/L	0.1	SM4110C	25-Aug-16/O	< 0.1	< 0.1	< 0.1
Nitrate (N)	mg/L	0.1	SM4110C	25-Aug-16/O	0.1	< 0.1	0.1
Chloride	mg/L	0.5	SM4110C	25-Aug-16/O	81.7	31.9	47.3
Sulphate	mg/L	1	SM4110C	25-Aug-16/O	44	23	32
Total Organic Carbon	mg/L	0.2	EPA 415.1	29-Aug-16/O	102	4.2	3.3
Ammonia (N)-Total	mg/L	0.01	MOEE 3364	30-Aug-16/O	49.8	< 0.01	< 0.01
Phenolics	mg/L	0.001	MOEE 3179	30-Aug-16/O	0.240	< 0.001	< 0.001
Aluminum	mg/L	0.01	SM 3120	26-Aug-16/O	0.23	0.02	0.02
Arsenic	mg/L	0.0005	EPA 200.8	26-Aug-16/O	0.0008	< 0.0005	< 0.0005
Calcium	mg/L	0.02	SM 3120	26-Aug-16/O	41.8	39.6	43.0
Cadmium	mg/L	0.005	SM 3120	26-Aug-16/O	< 0.005	< 0.005	< 0.005
Cobalt	mg/L	0.005	SM 3120	26-Aug-16/O	< 0.005	< 0.005	< 0.005
Copper	mg/L	0.002	SM 3120	26-Aug-16/O	0.120	< 0.002	< 0.002
Chromium	mg/L	0.002	SM 3120	26-Aug-16/O	0.003	< 0.002	< 0.002
Iron	mg/L	0.005	SM 3120	26-Aug-16/O	1.18	0.017	0.008
Lead	mg/L	0.02	SM 3120	26-Aug-16/O	< 0.02	< 0.02	< 0.02
Magnesium	mg/L	0.01	SM 3120	26-Aug-16/O	13.7	11.3	12.7
Manganese	mg/L	0.001	SM 3120	26-Aug-16/O	0.178	0.002	< 0.001
Mercury	mg/L	0.00002	SM 3112 B	26-Aug-16/O	0.00003	0.00002	< 0.00002
Nickel	mg/L	0.01	SM 3120	26-Aug-16/O	< 0.01	< 0.01	< 0.01
Potassium	mg/L	0.1	SM 3120	26-Aug-16/O	18.3	2.0	2.2

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

C.O.C.: ---

REPORT No. B16-25436

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: 25-Aug-16

JOB/PROJECT NO.: Resolute Bay Waste Water

DATE REPORTED: 31-Aug-16

P.O. NUMBER:

SAMPLE MATRIX: Waste Water

WATERWORKS NO.

			Client I.D.	Lagoon YRB-2	Wetland YRB-3	Wetland YRB-1	
			Sample I.D.	B16-25436-1	B16-25436-2	B16-25436-3	
			Date Collected	23-Aug-16	23-Aug-16	23-Aug-16	
Parameter	Units	R.L.	Reference Method	Date/Site Analyzed			
Sodium	mg/L	0.2	SM 3120	26-Aug-16/O	62.3	26.3	38.1
Zinc	mg/L	0.005	SM 3120	26-Aug-16/O	0.207	< 0.005	< 0.005
Oil & Grease-Total	mg/L	1.0	SM 5520	30-Aug-16/K	147	< 1.0	< 1.0
Fecal Coliform	cfu/100mL	1	MOE E3371	25-Aug-16/O	410000	< 10	< 10

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