

C.O.C.: ---

REPORT No. B18-22020

Report To:

Hamlet of Grise Fiord
P.O. Box 77 Grise Fiord,
Grise Fiord NU X0X 0J0

Attention: SAO -

Caduceon Environmental Laboratories

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

DATE RECEIVED: 25-Jul-18

JOB/PROJECT NO.: Waste Water

DATE REPORTED: 01-Aug-18

P.O. NUMBER:

SAMPLE MATRIX: Waste Water

WATERWORKS NO.

			Client I.D.	Sample #1	Sample #2		
			Sample I.D.	B18-22020-1	B18-22020-2		
			Date Collected	17-Jul-18	17-Jul-18		
Parameter	Units	R.L.	Reference Method	Date/Site Analyzed			
Hardness (as CaCO ₃)	mg/L	1	SM 3120	26-Jul-18/O	64	64	
Alkalinity(CaCO ₃) to pH4.5	mg/L	5	SM 2320B	27-Jul-18/O	201	213	
pH @25°C	pH Units		SM 4500H	27-Jul-18/O	7.46	7.38	
Conductivity @25°C	µmho/cm	1	SM 2510B	27-Jul-18/O	613	616	
Total Suspended Solids	mg/L	3	SM2540D	27-Jul-18/K	40	30	
Chloride	mg/L	0.5	SM4110C	30-Jul-18/O	34.1	34.3	
Nitrite (N)	mg/L	0.1	SM4110C	30-Jul-18/O	< 0.1	< 0.1	
Nitrate (N)	mg/L	0.1	SM4110C	30-Jul-18/O	< 0.1	< 0.1	
Sulphate	mg/L	1	SM4110C	30-Jul-18/O	4	5	
Aluminum	mg/L	0.01	SM 3120	26-Jul-18/O	0.10	0.09	
Arsenic	mg/L	0.0001	EPA 200.8	26-Jul-18/O	< 0.0005	< 0.0005	
Cadmium	mg/L	0.005	SM 3120	26-Jul-18/O	< 0.005	< 0.005	
Calcium	mg/L	0.02	SM 3120	26-Jul-18/O	17.6	17.4	
Chromium	mg/L	0.002	SM 3120	26-Jul-18/O	< 0.002	0.002	
Cobalt	mg/L	0.005	SM 3120	26-Jul-18/O	0.010	0.017	
Copper	mg/L	0.002	SM 3120	26-Jul-18/O	0.058	0.058	
Iron	mg/L	0.005	SM 3120	26-Jul-18/O	0.321	0.279	
Lead	mg/L	0.02	SM 3120	26-Jul-18/O	< 0.02	< 0.02	
Magnesium	mg/L	0.02	SM 3120	26-Jul-18/O	4.82	4.88	
Manganese	mg/L	0.001	SM 3120	26-Jul-18/O	0.031	0.029	
Mercury	mg/L	0.00002	SM 3112 B	30-Jul-18/O	0.00002	0.00002	
Nickel	mg/L	0.01	SM 3120	26-Jul-18/O	< 0.01	< 0.01	
Potassium	mg/L	0.1	SM 3120	26-Jul-18/O	16.4	16.8	
Sodium	mg/L	0.2	SM 3120	26-Jul-18/O	39.7	41.4	
Zinc	mg/L	0.005	SM 3120	26-Jul-18/O	0.073	0.073	
Ammonia (N)-Total	mg/L	0.01	SM4500-NH ₃ -H	30-Jul-18/K	32.0	31.8	
Phenolics	mg/L	0.001	MOEE 3179	30-Jul-18/K	0.034	0.034	

NOTE: Fecal Coliform passed acceptable holding times 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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			Date Collected	17-Jul-18	17-Jul-18		
Parameter	Units	R.L.	Reference Method	Date/Site Analyzed			
BOD	mg/L	3	SM 5210B	26-Jul-18/O	143	156	
Total Organic Carbon	mg/L	0.2	EPA 415.1	30-Jul-18/O	63.1	71.4	
Oil & Grease-Total	mg/L	1.0	SM 5520	30-Jul-18/K	6.4	7.6	
Fecal Coliform	cfu/100mL	1	MOE E3371	25-Jul-18/O	12000	11000	

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



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