

C.O.C.: ---

REPORT No. B14-20416

Report To:

ATCO Structure & Logistics

PO Box 88,
NU X0A 0V0 Canada

Attention: Rick Gaulton

Caduceon Environmental Laboratories

2378 Holly Lane
Ottawa Ontario K1V 7P1
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DATE RECEIVED: 13-Aug-14

JOB/PROJECT NO.: Hamlet of Resolute Bay

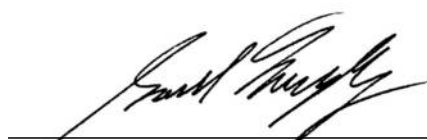
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SAMPLE MATRIX: Waste Water

WATERWORKS NO.

Parameter	Units	M.D.L.	Client I.D.		Lagoon Decanting Begin	Lagoon Decanting Middle	Lagoon Decanting End	
			Sample I.D.		B14-20416-1	B14-20416-2	B14-20416-3	
			Date Collected		08-Aug-14	08-Aug-14	09-Aug-14	
			Reference Method	Date/Site Analyzed				
BOD	mg/L	3	SM 5210B	14-Aug-14/O	674	372	382	
Total Suspended Solids	mg/L	3	SM 2540D	20-Aug-14/O	140	64	72	
Hardness (as CaCO ₃)	mg/L	1	SM 3120	14-Aug-14/O	237	161	165	
Alkalinity(CaCO ₃) to pH4.5	mg/L	5	SM 2320B	14-Aug-14/O	610	404	443	
Conductivity @25°C	µmho/cm	1	SM 2510B	14-Aug-14/O	1720	1200	1290	
pH @25°C	pH Units		SM 4500H	14-Aug-14/O	7.65	7.68	7.69	
Nitrite (N)	mg/L	0.1	SM4110C	14-Aug-14/O	< 0.1	< 0.1	< 0.1	
Nitrate (N)	mg/L	0.1	SM4110C	14-Aug-14/O	< 0.1	< 0.1	< 0.1	
Chloride	mg/L	0.5	SM4110C	14-Aug-14/O	119	97.0	98.4	
Sulphate	mg/L	1	SM4110C	14-Aug-14/O	31	44	43	
Total Organic Carbon	mg/L	0.2	EPA 415.1	14-Aug-14/O	272	113	137	
Ammonia (N)-Total	mg/L	0.01	MOEE 3364	14-Aug-14/O	113	76.7	80.5	
Phenolics	mg/L	0.001	MOEE 3179	15-Aug-14/O	0.189	0.268	0.268	
Aluminum (total)	mg/L	0.01	SM 3120	14-Aug-14/O	0.35	0.26	0.27	
Arsenic	mg/L	0.0005	EPA 200.8	14-Aug-14/O	0.0027	0.0011	0.0011	
Calcium	mg/L	0.02	SM 3120	14-Aug-14/O	68.7	45.8	47.1	
Cadmium	mg/L	0.005	SM 3120	14-Aug-14/O	< 0.005	< 0.005	< 0.005	
Cobalt	mg/L	0.005	SM 3120	14-Aug-14/O	< 0.005	< 0.005	< 0.005	
Copper	mg/L	0.002	SM 3120	14-Aug-14/O	0.094	0.126	0.110	
Chromium	mg/L	0.002	SM 3120	14-Aug-14/O	0.005	0.006	0.005	
Iron (Total)	mg/L	0.005	SM 3120	14-Aug-14/O	4.27	1.11	1.19	
Lead	mg/L	0.02	SM 3120	14-Aug-14/O	< 0.02	< 0.02	< 0.02	
Magnesium	mg/L	0.01	SM 3120	14-Aug-14/O	15.8	11.3	11.4	
Manganese (Total)	mg/L	0.001	SM 3120	14-Aug-14/O	0.209	0.094	0.114	
Mercury	mg/L	0.00002	SM 3112 B	14-Aug-14/O	< 0.00002	< 0.00002	< 0.00002	
Nickel	mg/L	0.01	SM 3120	14-Aug-14/O	0.01	< 0.01	< 0.01	



Gord Murphy
Lab Supervisor

M.D.L. = Method Detection Limit

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.

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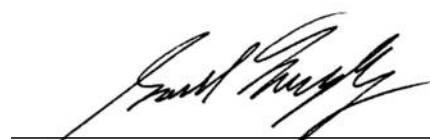
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			Sample I.D.	B14-20416-1	B14-20416-2	B14-20416-3	
			Date Collected	08-Aug-14	08-Aug-14	09-Aug-14	
Parameter	Units	M.D.L.	Reference Method	Date/Site Analyzed			
Potassium	mg/L	0.1	SM 3120	14-Aug-14/O	35.2	26.5	25.7
Sodium	mg/L	0.2	SM 3120	14-Aug-14/O	98.7	79.2	76.1
Zinc	mg/L	0.005	SM 3120	14-Aug-14/O	0.122	0.117	0.110
Oil & Grease-Total	mg/L	1.0	SM 5520	21-Aug-14/K	42.2	42.7	45.8
Fecal Coliform	cfu/100mL	1	MOE E3371	13-Aug-14/O	660000	670000	750000



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