

C.O.C.: G35601

REPORT No. B13-19825

Report To:

Municipality of Cape Dorset

PO Box 30,
Cape Dorset NU X0A 0C0 Canada

Attention: Mike Hayward

Caduceon Environmental Laboratories

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

DATE RECEIVED: 31-Jul-13

JOB/PROJECT NO.:

DATE REPORTED: 09-Aug-13

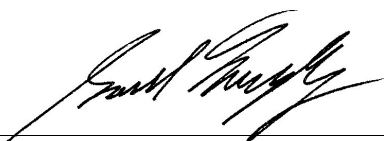
P.O. NUMBER:

SAMPLE MATRIX: Waste Water

WATERWORKS NO.

Client I.D.	Leachate (CAP-2 N64°13 670' N76° 34 389)			
Sample I.D.	B13-19825-1			
Date Collected	27-Jul-13			

Parameter	Units	M.D.L.	Reference Method	Date/Site Analyzed				
Fecal Coliform	cfu/100mL	1	MOE E3371	31-Jul-13/O	50			
Hardness (as CaCO ₃)	mg/L	1	SM 3120	02-Aug-13/O	453			
Alkalinity(CaCO ₃) to pH4.5	mg/L	5	SM 2320B	01-Aug-13/O	159			
Conductivity @25 °C	µmho/cm	1	SM 2510B	01-Aug-13/O	1190			
pH @25 °C	pH Units		SM 4500H	01-Aug-13/O	8.14			
Phosphorus-Total	mg/L	0.01	MOEE 3367	02-Aug-13/O	0.06			
BOD	mg/L	3	SM 5210B	02-Aug-13/O	12			
Total Suspended Solids	mg/L	3	SM 2540D	02-Aug-13/O	11			
Total Organic Carbon	mg/L	0.2	EPA 415.1	02-Aug-13/O	10.7			
Nitrite (N)	mg/L	0.1	SM4110C	01-Aug-13/O	< 0.1			
Nitrate (N)	mg/L	0.1	SM4110C	01-Aug-13/O	0.2			
Chloride	mg/L	0.5	SM4110C	01-Aug-13/O	68.7			
Sulphate	mg/L	1	SM4110C	02-Aug-13/O	388			
Ammonia (N)-Total	mg/L	0.01	MOEE 3364	01-Aug-13/O	1.70			
Phenolics	mg/L	0.001	MOEE 3179	09-Aug-13/O	0.015			
Aluminum (total)	mg/L	0.01	SM 3120	02-Aug-13/O	0.15			
Arsenic	mg/L	0.0005	EPA 200.8	06-Aug-13/O	0.0010			
Calcium	mg/L	0.02	SM 3120	02-Aug-13/O	159			
Cadmium	mg/L	0.005	SM 3120	02-Aug-13/O	< 0.005			
Cobalt	mg/L	0.005	SM 3120	02-Aug-13/O	< 0.005			
Copper	mg/L	0.002	SM 3120	02-Aug-13/O	0.004			
Chromium	mg/L	0.002	SM 3120	02-Aug-13/O	< 0.002			
Iron (Total)	mg/L	0.005	SM 3120	02-Aug-13/O	0.971			
Potassium	mg/L	0.1	SM 3120	02-Aug-13/O	10.1			
Magnesium	mg/L	0.01	SM 3120	02-Aug-13/O	13.3			
Manganese (Total)	mg/L	0.001	SM 3120	02-Aug-13/O	0.475			



Gord Murphy
Lab Supervisor

M.D.L. = Method Detection Limit

Site Analyzed=K-Kingston,W-Windsor,O-Ottawa,R-Richmond Hill

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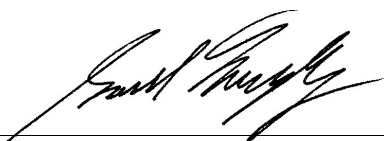
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			Sample I.D.		B13-19825-1			
			Date Collected		27-Jul-13			
Parameter	Units	M.D.L.	Reference Method	Date/Site Analyzed				
Sodium	mg/L	0.2	SM 3120	02-Aug-13/O	52.0			
Nickel	mg/L	0.01	SM 3120	02-Aug-13/O	< 0.01			
Lead	mg/L	0.02	SM 3120	02-Aug-13/O	< 0.02			
Zinc	mg/L	0.005	SM 3120	02-Aug-13/O	0.010			
Mercury	mg/L	0.00002	SM 3112 B	02-Aug-13/O	< 0.00002			
Benzene	µg/L	0.5	EPA 8260	01-Aug-13/O	< 0.5			
Toluene	µg/L	0.5	EPA 8260	01-Aug-13/O	< 0.5			
Ethylbenzene	µg/L	0.5	EPA 8260	01-Aug-13/O	< 0.5			
Xylene, m,p-	µg/L	1.0	EPA 8260	01-Aug-13/O	< 1.0			
Styrene	µg/L	0.5	EPA 8260	01-Aug-13/O	< 0.5			
Xylene, o-	µg/L	0.5	EPA 8260	01-Aug-13/O	< 0.5			
Dichloroethane-d4,1,2-(SS)	%		EPA 8260	01-Aug-13/O	94.0			
Toluene-d8 (SS)	%		EPA 8260	01-Aug-13/O	99.8			
Bromofluorobenzene,4(SS)	%		EPA 8260	01-Aug-13/O	96.3			
PHC F1 (C6-C10)	µg/L	50	MOE E3421	06-Aug-13/O	< 50			
PHC F2 (>C10-C16)	µg/L	50	MOE E3421	06-Aug-13/O	< 50			
PHC F3 (>C16-C34)	µg/L	400	MOE E3421	06-Aug-13/O	< 400			
PHC F4 (>C34-C50)	µg/L	400	MOE E3421	06-Aug-13/O	< 400			
Comment-purgeable	-		-	06-Aug-13/O	-			
Comment-extractable	-		-	06-Aug-13	-			
Oil & Grease-Total	mg/L	1.0	SM 5520	07-Aug-13/K	< 1.0			
Acenaphthene	µg/L	0.05	EPA 8270	07-Aug-13/K	< 0.05			
Acenaphthylene	µg/L	0.05	EPA 8270	07-Aug-13/K	< 0.05			
Anthracene	µg/L	0.05	EPA 8270	07-Aug-13/K	< 0.05			
Benzo(a)anthracene	µg/L	0.05	EPA 8270	07-Aug-13/K	< 0.05			
Benzo(a)pyrene	µg/L	0.01	EPA 8270	07-Aug-13/K	< 0.01			



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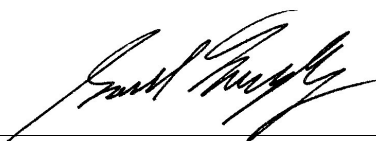
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Benzo(b)fluoranthene	µg/L	0.05	EPA 8270	07-Aug-13/K	< 0.05			
Benzo(b+k)fluoranthene	µg/L	0.1	EPA 8270	07-Aug-13/K	< 0.1			
Benzo(g,h,i)perylene	µg/L	0.05	EPA 8270	07-Aug-13/K	< 0.05			
Benzo(k)fluoranthene	µg/L	0.05	EPA 8270	07-Aug-13/K	< 0.05			
Chrysene	µg/L	0.05	EPA 8270	07-Aug-13/K	< 0.05			
Dibenzo(a,h)anthracene	µg/L	0.05	EPA 8270	07-Aug-13/K	< 0.05			
Fluoranthene	µg/L	0.05	EPA 8270	07-Aug-13/K	< 0.05			
Fluorene	µg/L	0.05	EPA 8270	07-Aug-13/K	< 0.05			
Indeno(1,2,3,-cd)pyrene	µg/L	0.05	EPA 8270	07-Aug-13/K	< 0.05			
Methylnaphthalene,1-	µg/L	0.05	EPA 8270	07-Aug-13/K	< 0.05			
Methylnaphthalene,2-	µg/L	0.05	EPA 8270	07-Aug-13/K	< 0.05			
Naphthalene	µg/L	0.05	EPA 8270	07-Aug-13/K	< 0.05			
Phenanthrene	µg/L	0.05	EPA 8270	07-Aug-13/K	< 0.05			
Pyrene	µg/L	0.05	EPA 8270	07-Aug-13/K	< 0.05			
2-Fluorobiphenyl (SS)	% rec.	10	EPA 8270	07-Aug-13/K	95.0			
Terphenyl-d14 (SS)	% rec.	10	EPA 8270	07-Aug-13/K	95.0			



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