

C.O.C.: ---

REPORT No. B15-31412

Report To:

Municipality of Cape Dorset
PO Box 30,
Cape Dorset NU X0A 0C0 Canada

Attention: Ed Devereaux

Caduceon Environmental Laboratories

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

DATE RECEIVED: 01-Dec-15

JOB/PROJECT NO.:

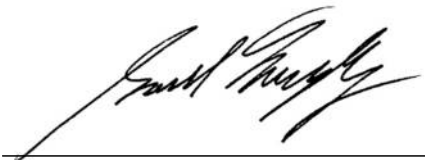
DATE REPORTED: 10-Dec-15

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SAMPLE MATRIX: Leachate

WATERWORKS NO.

			Client I.D.	Leachate - Cap 2			
			Sample I.D.	B15-31412-1			
			Date Collected	08-Nov-15			
Parameter	Units	R.L.	Reference Method	Date/Site Analyzed			
BOD	mg/L	3	SM 5210B	03-Dec-15/O	213		
Hardness (as CaCO ₃)	mg/L	1	SM 3120	02-Dec-15/O	370		
Alkalinity(CaCO ₃) to pH4.5	mg/L	5	SM 2320B	03-Dec-15/O	422		
Conductivity @25°C	µmho/cm	1	SM 2510B	03-Dec-15/O	931		
pH @25°C	pH Units		SM 4500H	03-Dec-15/O	7.69		
Total Suspended Solids	mg/L	3	SM 2540D	04-Dec-15/O	430		
Nitrite (N)	mg/L	0.1	SM4110C	01-Dec-15/O	< 0.1		
Nitrate (N)	mg/L	0.1	SM4110C	01-Dec-15/O	< 0.1		
Chloride	mg/L	0.5	SM4110C	01-Dec-15/O	57.1		
Sulphate	mg/L	1	SM4110C	01-Dec-15/O	27		
Ammonia (N)-Total	mg/L	0.01	MOEE 3364	03-Dec-15/O	3.95		
Total Organic Carbon	mg/L	0.2	EPA 415.1	02-Dec-15/O	24.6		
Aluminum (total)	mg/L	0.01	SM 3120	02-Dec-15/O	3.46		
Arsenic	mg/L	0.0005	EPA 200.8	02-Dec-15/O	0.0085		
Calcium	mg/L	0.02	SM 3120	02-Dec-15/O	118		
Cadmium	mg/L	0.005	SM 3120	02-Dec-15/O	< 0.005		
Cobalt	mg/L	0.005	SM 3120	02-Dec-15/O	0.005		
Copper	mg/L	0.002	SM 3120	02-Dec-15/O	0.086		
Chromium	mg/L	0.002	SM 3120	02-Dec-15/O	0.010		
Iron (Total)	mg/L	0.005	SM 3120	02-Dec-15/O	13.5		
Lead	mg/L	0.02	SM 3120	02-Dec-15/O	0.03		
Magnesium	mg/L	0.01	SM 3120	02-Dec-15/O	18.3		
Manganese (Total)	mg/L	0.001	SM 3120	02-Dec-15/O	1.25		
Mercury	mg/L	0.00002	SM 3112 B	02-Dec-15/O	0.00007		
Nickel	mg/L	0.01	SM 3120	02-Dec-15/O	0.01		
Potassium	mg/L	0.1	SM 3120	02-Dec-15/O	16.8		
Sodium	mg/L	0.2	SM 3120	02-Dec-15/O	63.9		



Gord Murphy
Lab Supervisor

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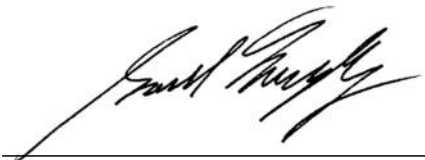
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			Date Collected	08-Nov-15			
Parameter	Units	R.L.	Reference Method	Date/Site Analyzed			
Zinc	mg/L	0.005	SM 3120	02-Dec-15/O	0.319		
Phenolics	mg/L	0.001	MOEE 3179	04-Dec-15/O	0.029		
Phosphorus-Total	mg/L	0.01	MOEE 3367	03-Dec-15/O	1.24		
Acenaphthene	µg/L	0.05	EPA 8270	08-Dec-15/K	< 0.05		
Acenaphthylene	µg/L	0.05	EPA 8270	08-Dec-15/K	< 0.05		
Anthracene	µg/L	0.05	EPA 8270	08-Dec-15/K	< 0.05		
Benzo(a)anthracene	µg/L	0.05	EPA 8270	08-Dec-15/K	< 0.05		
Benzo(a)pyrene	µg/L	0.01	EPA 8270	08-Dec-15/K	< 0.01		
Benzo(b)fluoranthene	µg/L	0.05	EPA 8270	08-Dec-15/K	< 0.05		
Benzo(b+k)fluoranthene	µg/L	0.1	EPA 8270	08-Dec-15/K	< 0.1		
Benzo(g,h,i)perylene	µg/L	0.05	EPA 8270	08-Dec-15/K	< 0.05		
Benzo(k)fluoranthene	µg/L	0.05	EPA 8270	08-Dec-15/K	< 0.05		
Chrysene	µg/L	0.05	EPA 8270	08-Dec-15/K	< 0.05		
Dibenzo(a,h)anthracene	µg/L	0.05	EPA 8270	08-Dec-15/K	< 0.05		
Fluoranthene	µg/L	0.05	EPA 8270	08-Dec-15/K	< 0.05		
Fluorene	µg/L	0.05	EPA 8270	08-Dec-15/K	0.09		
Indeno(1,2,3,-cd)pyrene	µg/L	0.05	EPA 8270	08-Dec-15/K	< 0.05		
Methylnaphthalene,1-	µg/L	0.05	EPA 8270	08-Dec-15/K	0.43		
Methylnaphthalene,2-	µg/L	0.05	EPA 8270	08-Dec-15/K	0.52		
Naphthalene	µg/L	0.05	EPA 8270	08-Dec-15/K	0.98		
Phenanthrene	µg/L	0.05	EPA 8270	08-Dec-15/K	0.18		
Pyrene	µg/L	0.05	EPA 8270	08-Dec-15/K	< 0.05		
2-Fluorobiphenyl (SS)	% rec.	10	EPA 8270	08-Dec-15/K	96.0		
Terphenyl-d14 (SS)	% rec.	10	EPA 8270	08-Dec-15/K	96.0		
Benzene	µg/L	0.5	EPA 8260	03-Dec-15/O	< 0.5		
Toluene	µg/L	0.5	EPA 8260	03-Dec-15/O	< 0.5		
Ethylbenzene	µg/L	0.5	EPA 8260	03-Dec-15/O	< 0.5		



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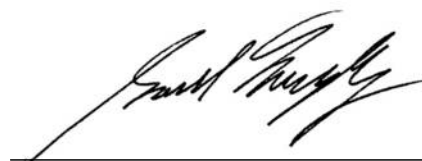
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Parameter	Units	R.L.	Reference Method	Date/Site Analyzed			
Xylene, m,p-	µg/L	0.4	EPA 8260	03-Dec-15/O	< 0.4		
Xylene, o-	µg/L	0.1	EPA 8260	03-Dec-15/O	< 0.1		
Toluene-d8 (SS)	%		EPA 8260	03-Dec-15/O	95.0		
PHC F1 (C6-C10)	µg/L	20	MOE E3421	03-Dec-15/O	< 20		
PHC F2 (>C10-C16)	µg/L	50	MOE E3421	07-Dec-15/K	110		
PHC F3 (>C16-C34)	µg/L	400	MOE E3421	07-Dec-15/K	< 400		
PHC F4 (>C34-C50)	µg/L	400	MOE E3421	07-Dec-15/K	< 400		
Oil & Grease-Total	mg/L	1.0	SM 5520	10-Dec-15/K	6.0		
Fecal Coliform	cfu/100mL	1	MOE E3371	01-Dec-15/O	800		



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