

C.O.C.: ---

REPORT No. B18-25330

Report To:

Hamlet of Pond Inlet

P.O Box 379,
Pond Inlet Nunavut X0A 0S0 Canada

Attention: SAO -

Caduceon Environmental Laboratories

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

DATE RECEIVED: 23-Aug-18

JOB/PROJECT NO.: Landfill Leachate

DATE REPORTED: 31-Aug-18

P.O. NUMBER:

SAMPLE MATRIX: Leachate

WATERWORKS NO.

			Client I.D.		Landfill Leachate			
			Sample I.D.		B18-25330-1			
			Date Collected		15-Aug-18			
Parameter	Units	R.L.	Reference Method	Date/Site Analyzed				
Hardness (as CaCO ₃)	mg/L	1	SM 3120	28-Aug-18/O	112			
Alkalinity(CaCO ₃) to pH4.5	mg/L	5	SM 2320B	23-Aug-18/O	449			
pH @25°C	pH Units		SM 4500H	23-Aug-18/O	7.48			
Conductivity @25°C	µmho/cm	1	SM 2510B	23-Aug-18/O	1210			
Total Suspended Solids	mg/L	3	SM 2540D	24-Aug-18/O	17			
Chloride	mg/L	0.5	SM4110C	23-Aug-18/O	83.6			
Nitrite (N)	mg/L	0.1	SM4110C	23-Aug-18/O	< 0.1			
Nitrate (N)	mg/L	0.1	SM4110C	23-Aug-18/O	< 0.1			
Sulphate	mg/L	1	SM4110C	23-Aug-18/O	< 1			
Aluminum	mg/L	0.01	SM 3120	28-Aug-18/O	0.11			
Arsenic	mg/L	0.0001	EPA 200.8	23-Aug-18/O	0.0010			
Cadmium	mg/L	0.005	SM 3120	28-Aug-18/O	< 0.005			
Calcium	mg/L	0.02	SM 3120	28-Aug-18/O	30.7			
Chromium	mg/L	0.002	SM 3120	28-Aug-18/O	< 0.002			
Cobalt	mg/L	0.005	SM 3120	28-Aug-18/O	< 0.005			
Copper	mg/L	0.002	SM 3120	28-Aug-18/O	0.003			
Iron	mg/L	0.005	SM 3120	28-Aug-18/O	3.49			
Lead	mg/L	0.02	SM 3120	28-Aug-18/O	< 0.02			
Magnesium	mg/L	0.02	SM 3120	28-Aug-18/O	8.67			
Manganese	mg/L	0.001	SM 3120	28-Aug-18/O	0.178			
Mercury	mg/L	0.00002	SM 3112 B	30-Aug-18/O	< 0.00002			
Nickel	mg/L	0.01	SM 3120	28-Aug-18/O	< 0.01			
Potassium	mg/L	0.1	SM 3120	28-Aug-18/O	4.1			
Sodium	mg/L	0.2	SM 3120	28-Aug-18/O	6.2			
Zinc	mg/L	0.005	SM 3120	28-Aug-18/O	0.134			
Ammonia (N)-Total	mg/L	0.01	SM4500-NH ₃ -H	28-Aug-18/K	7.68			

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.

C.O.C.: ---

REPORT No. B18-25330

Report To:

Hamlet of Pond Inlet

P.O Box 379,
Pond Inlet Nunavut X0A 0S0 Canada

Attention: SAO -

Caduceon Environmental Laboratories

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

DATE RECEIVED: 23-Aug-18

JOB/PROJECT NO.: Landfill Leachate

DATE REPORTED: 31-Aug-18

P.O. NUMBER:

SAMPLE MATRIX: Leachate

WATERWORKS NO.

			Client I.D.		Landfill Leachate			
			Sample I.D.		B18-25330-1			
			Date Collected		15-Aug-18			
Parameter	Units	R.L.	Reference Method	Date/Site Analyzed				
Phosphorus-Total	mg/L	0.01	E3199A.1	27-Aug-18/K	0.32			
Phenolics	mg/L	0.002	MOEE 3179	27-Aug-18/K	0.003			
BOD	mg/L	3	SM 5210B	24-Aug-18/O	3			
Total Organic Carbon	mg/L	0.2	EPA 415.1	23-Aug-18/O	92.7			
Fecal Coliform	cfu/100mL	1	MOE E3371	23-Aug-18/O	< 10			
Benzene	µg/L	0.5	EPA 8260	23-Aug-18/O	< 0.5			
Toluene	µg/L	0.5	EPA 8260	23-Aug-18/O	< 0.5			
Ethylbenzene	µg/L	0.5	EPA 8260	23-Aug-18/O	< 0.5			
Xylene, m,p-	µg/L	0.4	EPA 8260	23-Aug-18/O	< 0.4			
Xylene, o-	µg/L	0.1	EPA 8260	23-Aug-18/O	< 0.1			
Xylene, m,p,o-	µg/L	0.4	EPA 8260	23-Aug-18/O	< 0.4			
Toluene-d8 (SS)	%		EPA 8260	23-Aug-18/O	99.0			
PHC F1 (C6-C10)	µg/L	20	MOE E3421	23-Aug-18/O	< 20			
PHC F2 (>C10-C16)	µg/L	50	MOE E3421	24-Aug-18/K	< 50			
PHC F3 (>C16-C34)	µg/L	400	MOE E3421	24-Aug-18/K	< 400			
PHC F4 (>C34-C50)	µg/L	400	MOE E3421	24-Aug-18/K	< 400			
Oil & Grease-Total	mg/L	1.0	SM 5520	27-Aug-18/K	< 1.0			
Acenaphthene	µg/L	0.05	EPA 8270	27-Aug-18/K	< 0.05			
Acenaphthylene	µg/L	0.05	EPA 8270	27-Aug-18/K	< 0.05			
Anthracene	µg/L	0.05	EPA 8270	27-Aug-18/K	< 0.05			
Benzo(a)anthracene	µg/L	0.05	EPA 8270	27-Aug-18/K	< 0.05			
Benzo(a)pyrene	µg/L	0.01	EPA 8270	27-Aug-18/K	< 0.01			
Benzo(b)fluoranthene	µg/L	0.05	EPA 8270	27-Aug-18/K	< 0.05			
Benzo(b+k)fluoranthene	µg/L	0.1	EPA 8270	27-Aug-18/K	< 0.1			
Benzo(g,h,i)perylene	µg/L	0.05	EPA 8270	27-Aug-18/K	< 0.05			
Benzo(k)fluoranthene	µg/L	0.05	EPA 8270	27-Aug-18/K	< 0.05			
Chrysene	µg/L	0.05	EPA 8270	27-Aug-18/K	< 0.05			

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.

C.O.C.: ---

REPORT No. B18-25330

Report To:

Hamlet of Pond Inlet

P.O Box 379,
Pond Inlet Nunavut X0A 0S0 Canada

Attention: SAO -

Caduceon Environmental Laboratories

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

DATE RECEIVED: 23-Aug-18

JOB/PROJECT NO.: Landfill Leachate

DATE REPORTED: 31-Aug-18

P.O. NUMBER:

SAMPLE MATRIX: Leachate

WATERWORKS NO.

			Client I.D.		Landfill Leachate			
			Sample I.D.		B18-25330-1			
			Date Collected		15-Aug-18			
Parameter	Units	R.L.	Reference Method	Date/Site Analyzed				
Dibenzo(a,h)anthracene	µg/L	0.05	EPA 8270	27-Aug-18/K	< 0.05			
Fluoranthene	µg/L	0.05	EPA 8270	27-Aug-18/K	< 0.05			
Fluorene	µg/L	0.05	EPA 8270	27-Aug-18/K	< 0.05			
Indeno(1,2,3,-cd)pyrene	µg/L	0.05	EPA 8270	27-Aug-18/K	< 0.05			
Methylnaphthalene,1-	µg/L	0.05	EPA 8270	27-Aug-18/K	< 0.05			
Methylnaphthalene,2-	µg/L	0.05	EPA 8270	27-Aug-18/K	< 0.05			
Naphthalene	µg/L	0.05	EPA 8270	27-Aug-18/K	< 0.05			
Phenanthrene	µg/L	0.05	EPA 8270	27-Aug-18/K	< 0.05			
Pyrene	µg/L	0.05	EPA 8270	27-Aug-18/K	< 0.05			
2-Fluorobiphenyl (SS)	% rec.	10	EPA 8270	27-Aug-18/K	61.0			

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.