

C.O.C.: ---

REPORT No. B16-27797

Report To:

Municipality of Igloolik

PO Box 30,
 Igloolik NU X0A 0L0 Canada

Attention: Brian Fleming

Caduceon Environmental Laboratories

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

DATE RECEIVED: 15-Sep-16

JOB/PROJECT NO.: Landfill Leachate

DATE REPORTED: 26-Sep-16

P.O. NUMBER:

SAMPLE MATRIX: Leachate

WATERWORKS NO.

			Client I.D.		Landfill Leachate			
			Sample I.D.		B16-27797-1			
			Date Collected		13-Sep-16			
Parameter	Units	R.L.	Reference Method	Date/Site Analyzed				
BOD	mg/L	3	SM 5210B	16-Sep-16/O	277			
Total Suspended Solids	mg/L	3	SM 2540D	19-Sep-16/O	92			
Hardness (as CaCO ₃)	mg/L	1	SM 3120	22-Sep-16/O	189			
Alkalinity(CaCO ₃) to pH4.5	mg/L	5	SM 2320B	19-Sep-16/O	596			
Conductivity @25°C	µmho/cm	1	SM 2510B	16-Sep-16/O	1580			
pH @25°C	pH Units		SM 4500H	16-Sep-16/O	7.74			
Nitrite (N)	mg/L	0.1	SM4110C	16-Sep-16/O	< 0.1			
Nitrate (N)	mg/L	0.1	SM4110C	16-Sep-16/O	0.1			
Chloride	mg/L	0.5	SM4110C	16-Sep-16/O	130			
Sulphate	mg/L	1	SM4110C	16-Sep-16/O	16			

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Mercury	mg/L	0.00002	SM 3112 B	19-Sep-16/O	0.00006			
Arsenic	mg/L	0.0005	EPA 200.8	16-Sep-16/O	0.0021			
Total Organic Carbon	mg/L	0.2	EPA 415.1	16-Sep-16/O	87.2			
Acenaphthene	µg/L	0.05	EPA 8270	20-Sep-16/K	< 0.4			
Acenaphthylene	µg/L	0.05	EPA 8270	20-Sep-16/K	< 0.4			
Anthracene	µg/L	0.05	EPA 8270	20-Sep-16/K	< 0.4			
Benzo(a)anthracene	µg/L	0.05	EPA 8270	20-Sep-16/K	< 0.4			
Benzo(a)pyrene	µg/L	0.01	EPA 8270	20-Sep-16/K	< 0.09			
Benzo(b)fluoranthene	µg/L	0.05	EPA 8270	20-Sep-16/K	< 0.4			
Benzo(b+k)fluoranthene	µg/L	0.1	EPA 8270	20-Sep-16/K	< 0.9			

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Xylene, m,p-	µg/L	0.4	EPA 8260	16-Sep-16/O	< 0.4			
Styrene	µg/L	0.5	EPA 8260	16-Sep-16/O	< 0.5			
Xylene, o-	µg/L	0.1	EPA 8260	16-Sep-16/O	< 0.1			
Dichloroethane-d4,1,2-(SS)	%		EPA 8260	16-Sep-16/O	80.0			
Toluene-d8 (SS)	%		EPA 8260	16-Sep-16/O	102			
Bromofluorobenzene,4(SS)	%		EPA 8260	16-Sep-16/O	94.0			
PHC F1 (C6-C10)	µg/L	20	MOE E3421	16-Sep-16/O	< 20			
PHC F2 (>C10-C16)	µg/L	50	MOE E3421	20-Sep-16/K	60			
PHC F3 (>C16-C34)	µg/L	400	MOE E3421	20-Sep-16/K	900			
PHC F4 (>C34-C50)	µg/L	400	MOE E3421	20-Sep-16/K	< 400			