

C.O.C.: ---

REPORT No. B18-28051

Report To:

Municipality of Qikiqtarjuaq

P.O. Box 4,
Qikiqtarjuaq Nunavut

Attention: SAO -

Caduceon Environmental Laboratories

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

DATE RECEIVED: 14-Sep-18

JOB/PROJECT NO.: Landfill Leachate

DATE REPORTED: 05-Oct-18

P.O. NUMBER:

SAMPLE MATRIX: Leachate

WATERWORKS NO.

			Client I.D.	Qik-13			
			Sample I.D.	B18-28051-1			
			Date Collected	12-Sep-18			
Parameter	Units	R.L.	Reference Method	Date/Site Analyzed			
Hardness (as CaCO ₃)	mg/L	1	SM 3120	21-Sep-18/O	16		
Alkalinity(CaCO ₃) to pH4.5	mg/L	5	SM 2320B	14-Sep-18/O	< 5		
pH @25°C	pH Units		SM 4500H	14-Sep-18/O	5.64		
Conductivity @25°C	µmho/cm	1	SM 2510B	14-Sep-18/O	30		
Total Suspended Solids	mg/L	3	SM 2540D	18-Sep-18/O	< 3		
Chloride	mg/L	0.5	SM4110C	14-Sep-18/O	5.3		
Nitrite (N)	mg/L	0.1	SM4110C	14-Sep-18/O	< 0.1		
Nitrate (N)	mg/L	0.1	SM4110C	14-Sep-18/O	0.2		
Sulphate	mg/L	1	SM4110C	14-Sep-18/O	3		
Aluminum	mg/L	0.01	SM 3120	21-Sep-18/O	0.19		
Arsenic	mg/L	0.0001	EPA 200.8	26-Sep-18/O	0.0003		
Cadmium	mg/L	0.000015	EPA 200.8	26-Sep-18/O	< 0.000015		
Calcium	mg/L	0.02	SM 3120	21-Sep-18/O	4.53		
Chromium	mg/L	0.001	EPA 200.8	26-Sep-18/O	< 0.001		
Cobalt	mg/L	0.005	SM 3120	21-Sep-18/O	< 0.005		
Copper	mg/L	0.0001	EPA 200.8	26-Sep-18/O	0.0004		
Iron	mg/L	0.005	SM 3120	21-Sep-18/O	0.141		
Lead	mg/L	0.00002	EPA 200.8	26-Sep-18/O	0.00013		
Magnesium	mg/L	0.02	SM 3120	21-Sep-18/O	1.21		
Manganese	mg/L	0.001	SM 3120	21-Sep-18/O	0.006		
Mercury	mg/L	0.00002	SM 3112 B	20-Sep-18/O	< 0.00002		
Molybdenum	mg/L	0.01	SM 3120	21-Sep-18/O	< 0.01		
Nickel	mg/L	0.0002	EPA 200.8	26-Sep-18/O	< 0.0002		
Potassium	mg/L	0.1	SM 3120	21-Sep-18/O	0.3		
Sodium	mg/L	0.2	SM 3120	21-Sep-18/O	6.2		
Zinc	mg/L	0.005	SM 3120	21-Sep-18/O	0.018		
Ammonia (N)-Total	mg/L	0.01	SM4500-NH ₃ -H	19-Sep-18/K	< 0.01		

NOTE: Fecal Coliform passed acceptable holding time upon arrival at Lab. No 1L Amber Glass Bottles received - unable to analyze for PHC(F2-F4), PAH's & Oil & Grease.



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.

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Parameter	Units	R.L.	Reference Method	Date/Site Analyzed			
Phosphorus-Total	mg/L	0.01	E3199A.1	19-Sep-18/K	0.02		
Phenolics	mg/L	0.002	MOEE 3179	19-Sep-18/K	< 0.002		
Total Organic Carbon	mg/L	0.2	EPA 415.1	19-Sep-18/O	1.4		
BOD	mg/L	3	SM 5210B	17-Sep-18/O	< 3		
Fecal Coliform	cfu/100mL	1	MOE E3371	14-Sep-18/O	0		
Benzene	µg/L	0.5	EPA 8260	17-Sep-18/O	< 0.5		
Toluene	µg/L	0.5	EPA 8260	17-Sep-18/O	< 0.5		
Ethylbenzene	µg/L	0.5	EPA 8260	17-Sep-18/O	< 0.5		
Xylene, m,p-	µg/L	0.4	EPA 8260	17-Sep-18/O	< 0.4		
Xylene, o-	µg/L	0.1	EPA 8260	17-Sep-18/O	< 0.1		
Xylene, m,p,o-	µg/L	0.4	EPA 8260	17-Sep-18/O	< 0.4		
Toluene-d8 (SS)	%		EPA 8260	17-Sep-18/O	103		
PHC F1 (C6-C10)	µg/L	20	MOE E3421	18-Sep-18/O	< 20		

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