

C.O.C.: ---

REPORT No. B16-21882

Report To:

Qikiqtaaluk Env. Inc.

9935, rue de Chateaufort, Entrée 1
Brossard Quebec J4Z 3V4 Canada

Attention: Eleni Mouriki

Caduceon Environmental Laboratories

2378 Holly Lane
Ottawa Ontario K1V 7P1

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DATE RECEIVED: 26-Jul-16

JOB/PROJECT NO.: IIAIP (QE16-121-2)

DATE REPORTED: 02-Aug-16

P.O. NUMBER: 430000854

SAMPLE MATRIX: Surface Water

WATERWORKS NO.

			Client I.D.		IIA-2	IIA-4	IIA-4.1	IIA-4.2
			Sample I.D.		B16-21882-1	B16-21882-2	B16-21882-3	B16-21882-4
			Date Collected		20-Jul-16	20-Jul-16	20-Jul-16	20-Jul-16
Parameter	Units	R.L.	Reference Method	Date/Site Analyzed				
pH @25°C	pH Units		SM 4500H	27-Jul-16/O	7.70	7.59	7.65	7.68
Total Suspended Solids	mg/L	3	SM 2540D	29-Jul-16/O	< 3	< 3	< 3	< 3
Arsenic	µg/L	0.1	EPA 200.8	27-Jul-16/O	< 0.1	< 0.1	< 0.1	< 0.1
Lead	µg/L	0.02	EPA 200.8	27-Jul-16/O	< 0.02	< 0.02	< 0.02	< 0.02
Benzene	µg/L	0.5	EPA 8260	27-Jul-16/O	< 0.5	< 0.5	< 0.5	< 0.5
Toluene	µg/L	0.5	EPA 8260	27-Jul-16/O	< 0.5	< 0.5	< 0.5	< 0.5
Ethylbenzene	µg/L	0.5	EPA 8260	27-Jul-16/O	< 0.5	< 0.5	< 0.5	< 0.5
Xylene, m,p-	µg/L	0.4	EPA 8260	27-Jul-16/O	< 0.4	< 0.4	< 0.4	< 0.4
Xylene, o-	µg/L	0.1	EPA 8260	27-Jul-16/O	< 0.1	< 0.1	< 0.1	< 0.1
Xylene, m,p,o-	µg/L	0.4	EPA 8260	27-Jul-16/O	< 0.4	< 0.4	< 0.4	< 0.4
Toluene-d8 (SS)	%		EPA 8260	27-Jul-16/O	101	101	102	102
PHC F1 (C6-C10)	µg/L	20	MOE E3421	27-Jul-16/O	< 20	< 20	< 20	< 20
PHC F2 (>C10-C16)	µg/L	50	MOE E3421	29-Jul-16/K	< 50	< 50	< 50	< 50
PHC F3 (>C16-C34)	µg/L	400	MOE E3421	29-Jul-16/K	< 400	< 400	< 400	< 400
PHC F4 (>C34-C50)	µg/L	400	MOE E3421	29-Jul-16/K	< 400	< 400	< 400	< 400
Oil & Grease-Total	mg/L	1.0	SM 5520	29-Jul-16/K	1.9	< 1.0	< 1.0	< 1.0
Propylene Glycol	mg/L	3	EPA 8015	27-Jul-16/O	< 3	< 3	< 3	< 3
Ethylene Glycol	mg/L	3	EPA 8015	27-Jul-16/O	< 3	< 3	< 3	< 3
Acenaphthene	µg/L	0.05	EPA 8270	29-Jul-16/K	< 0.05	< 0.05	< 0.05	< 0.05
Acenaphthylene	µg/L	0.05	EPA 8270	29-Jul-16/K	< 0.05	< 0.05	< 0.05	< 0.05
Anthracene	µg/L	0.05	EPA 8270	29-Jul-16/K	< 0.05	< 0.05	< 0.05	< 0.05
Benzo(a)anthracene	µg/L	0.05	EPA 8270	29-Jul-16/K	< 0.05	< 0.05	< 0.05	< 0.05
Benzo(a)pyrene	µg/L	0.01	EPA 8270	29-Jul-16/K	< 0.01	< 0.01	< 0.01	< 0.01
Benzo(b)fluoranthene	µg/L	0.05	EPA 8270	29-Jul-16/K	< 0.05	< 0.05	< 0.05	< 0.05
Benzo(b+k)fluoranthene	µg/L	0.1	EPA 8270	29-Jul-16/K	< 0.1	< 0.1	< 0.1	< 0.1
Benzo(g,h,i)perylene	µg/L	0.05	EPA 8270	29-Jul-16/K	< 0.05	< 0.05	< 0.05	< 0.05
Benzo(k)fluoranthene	µg/L	0.05	EPA 8270	29-Jul-16/K	< 0.05	< 0.05	< 0.05	< 0.05
Chrysene	µg/L	0.05	EPA 8270	29-Jul-16/K	< 0.05	< 0.05	< 0.05	< 0.05



Greg Clarkin, BSc., C. Chem
Lab Manager - Ottawa District

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

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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			Sample I.D.		B16-21882-1	B16-21882-2	B16-21882-3	B16-21882-4
			Date Collected		20-Jul-16	20-Jul-16	20-Jul-16	20-Jul-16
Parameter	Units	R.L.	Reference Method	Date/Site Analyzed				
Dibenzo(a,h)anthracene	µg/L	0.05	EPA 8270	29-Jul-16/K	< 0.05	< 0.05	< 0.05	< 0.05
Fluoranthene	µg/L	0.05	EPA 8270	29-Jul-16/K	< 0.05	< 0.05	< 0.05	< 0.05
Fluorene	µg/L	0.05	EPA 8270	29-Jul-16/K	0.09	< 0.05	< 0.05	< 0.05
Indeno(1,2,3,-cd)pyrene	µg/L	0.05	EPA 8270	29-Jul-16/K	< 0.05	< 0.05	< 0.05	< 0.05
Methylnaphthalene 2-(1-)	µg/L	0.07	EPA 8270	29-Jul-16/K	< 0.07	< 0.07	< 0.07	< 0.07
Methylnaphthalene,1-	µg/L	0.05	EPA 8270	29-Jul-16/K	< 0.05	< 0.05	< 0.05	< 0.05
Methylnaphthalene,2-	µg/L	0.05	EPA 8270	29-Jul-16/K	< 0.05	< 0.05	< 0.05	< 0.05
Naphthalene	µg/L	0.05	EPA 8270	29-Jul-16/K	< 0.05	< 0.05	< 0.05	< 0.05
Phenanthrene	µg/L	0.05	EPA 8270	29-Jul-16/K	< 0.05	< 0.05	< 0.05	< 0.05
Pyrene	µg/L	0.05	EPA 8270	29-Jul-16/K	< 0.05	< 0.05	< 0.05	< 0.05
Terphenyl-d14 (SS)	% rec.	10	EPA 8270	29-Jul-16/K	72.0	50.0	80.0	101

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Test methods may be modified from specified reference method unless indicated by an *

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



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