

C.O.C.: ---

REPORT No. B17-18219 (i)

Report To:

Nasittug Corporation

354 A Pinnacle St.,
Belleville ON K8N 3B4

Attention: John Boyle

Caduceon Environmental Laboratories

285 Dalton Ave
Kingston Ontario K7K 6Z1
Tel: 613-544-2001
Fax: 613-544-2770

DATE RECEIVED: 30-Jun-17

JOB/PROJECT NO.: Alert

DATE REPORTED: 11-Jul-17

P.O. NUMBER: 83125

SAMPLE MATRIX: Waste Water

WATERWORKS NO.

			Client I.D.	As per Quote			
			Sample I.D.	B17-18219-1			
			Date Collected	29-Jun-17			
Parameter	Units	R.L.	Reference Method	Date/Site Analyzed			
Total Coliform	cfu/100mL	1	SM9222B	01-Jul-17/K	97		
Fecal Coliform	cfu/100mL	1	SM9222D	01-Jul-17/K	3		
BOD(5 day)	mg/L	2	SM 5210B	05-Jul-17/K	3		
Total Suspended Solids	mg/L	3	SM2540D	05-Jul-17/K	13		
Sulphide	mg/L	0.01	SM4500-S2	04-Jul-17/K	< 0.01		
Phenolics	mg/L	0.001	MOEE 3179	05-Jul-17/O	< 0.001		
Oil and Grease-Mineral	mg/L	1.0	SM 5520	06-Jul-17/K	< 1.0		
Oil & Grease-Total	mg/L	1.0	SM 5520	06-Jul-17/K	< 1.0		
Cyanide (Total)	mg/L	0.005	SM4500CN	06-Jul-17/R	< 0.005		
COD	mg/L	5	SM 5220D	05-Jul-17/O	46		
Hardness (as CaCO3)	mg/L	1	SM 3120	05-Jul-17/O	160		
Aluminum (total)	mg/L	0.01	SM 3120	05-Jul-17/O	0.08		
Antimony	mg/L	0.01	SM 3120	05-Jul-17/O	< 0.01		
Arsenic	mg/L	0.02	SM 3120	05-Jul-17/O	< 0.02		
Barium	mg/L	0.001	SM 3120	05-Jul-17/O	0.026		
Beryllium	mg/L	0.002	SM 3120	05-Jul-17/O	< 0.002		
Bismuth	mg/L	0.02	SM 3120	05-Jul-17/O	< 0.02		
Boron	mg/L	0.005	SM 3120	05-Jul-17/O	0.136		
Cadmium	mg/L	0.005	SM 3120	05-Jul-17/O	< 0.005		
Calcium	mg/L	0.02	SM 3120	05-Jul-17/O	35.8		
Chromium	mg/L	0.002	SM 3120	05-Jul-17/O	< 0.002		
Cobalt	mg/L	0.005	SM 3120	05-Jul-17/O	0.027		
Copper	mg/L	0.002	SM 3120	05-Jul-17/O	0.037		
Iron (Total)	mg/L	0.005	SM 3120	05-Jul-17/O	1.22		
Lead	mg/L	0.02	SM 3120	05-Jul-17/O	< 0.02		
Lithium	mg/L	0.01	SM 3120	05-Jul-17/O	< 0.01		
Magnesium	mg/L	0.01	SM 3120	05-Jul-17/O	17.1		

Certain parameters received past holding time. Analyzed at clients request



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

Michelle Dubien

Lab Manager

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			Sample I.D.	B17-18219-1			
			Date Collected	29-Jun-17			
Parameter	Units	R.L.	Reference Method	Date/Site Analyzed			
Manganese (Total)	mg/L	0.001	SM 3120	05-Jul-17/O	0.141		
Mercury	mg/L	0.00002	SM 3112B	06-Jul-17/R	< 0.00002		
Molybdenum	mg/L	0.01	SM 3120	05-Jul-17/O	< 0.01		
Nickel	mg/L	0.01	SM 3120	05-Jul-17/O	0.04		
Potassium	mg/L	0.1	SM 3120	05-Jul-17/O	8.8		
Phosphorus	mg/L	0.1	SM 3120	05-Jul-17/O	0.3		
Silicon	mg/L	0.01	SM 3120	05-Jul-17/O	1.55		
Silica	mg/L	0.02	SM 3120	05-Jul-17/O	3.31		
Silver	mg/L	0.005	SM 3120	05-Jul-17/O	< 0.005		
Sodium	mg/L	0.2	SM 3120	05-Jul-17/O	57.7		
Strontium	mg/L	0.001	SM 3120	05-Jul-17/O	0.173		
Tin	mg/L	0.05	SM 3120	05-Jul-17/O	< 0.05		
Titanium	mg/L	0.005	SM 3120	05-Jul-17/O	< 0.005		
Tungsten	mg/L	0.01	SM 3120	05-Jul-17/O	< 0.01		
Vanadium	mg/L	0.005	SM 3120	05-Jul-17/O	< 0.005		
Yttrium	mg/L	0.005	SM 3120	05-Jul-17/O	< 0.005		
Zinc	mg/L	0.005	SM 3120	05-Jul-17/O	0.151		
Zirconium	mg/L	0.003	SM 3120	05-Jul-17/O	< 0.003		

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			Sample I.D.	B17-18219-1			
			Date Collected	29-Jun-17			
Parameter	Units	R.L.	Reference Method	Date/Site Analyzed			
Benzene	µg/L	0.5	EPA 8260	05-Jul-17/R	< 0.5		
Toluene	µg/L	0.5	EPA 8260	05-Jul-17/R	< 0.5		
Ethylbenzene	µg/L	0.5	EPA 8260	05-Jul-17/R	< 0.5		
Xylene, m,p-	µg/L	1.0	EPA 8260	05-Jul-17/R	< 1.0		
Xylene, o-	µg/L	0.5	EPA 8260	05-Jul-17/R	< 0.5		
Xylene, m,p,o-	µg/L	1.1	EPA 8260	05-Jul-17/R	< 1.1		



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			Sample I.D.	B17-18219-1			
			Date Collected	29-Jun-17			
Parameter	Units	R.L.	Reference Method	Date/Site Analyzed			
Acenaphthene	µg/L	0.05	EPA 8270	06-Jul-17/K	< 0.06		
Acenaphthylene	µg/L	0.05	EPA 8270	06-Jul-17/K	< 0.06		
Anthracene	µg/L	0.05	EPA 8270	06-Jul-17/K	< 0.06		
Benzo(a)anthracene	µg/L	0.05	EPA 8270	06-Jul-17/K	< 0.06		
Benzo(a)pyrene	µg/L	0.01	EPA 8270	06-Jul-17/K	< 0.01		
Benzo(b)fluoranthene	µg/L	0.05	EPA 8270	06-Jul-17/K	< 0.06		
Benzo(b+k)fluoranthene	µg/L	0.1	EPA 8270	06-Jul-17/K	< 0.1		
Benzo(g,h,i)perylene	µg/L	0.05	EPA 8270	06-Jul-17/K	< 0.06		
Benzo(k)fluoranthene	µg/L	0.05	EPA 8270	06-Jul-17/K	< 0.06		
Chrysene	µg/L	0.05	EPA 8270	06-Jul-17/K	< 0.06		
Dibenzo(a,h)anthracene	µg/L	0.05	EPA 8270	06-Jul-17/K	< 0.06		
Fluoranthene	µg/L	0.05	EPA 8270	06-Jul-17/K	< 0.06		
Fluorene	µg/L	0.05	EPA 8270	06-Jul-17/K	< 0.06		
Indeno(1,2,3,-cd)pyrene	µg/L	0.05	EPA 8270	06-Jul-17/K	< 0.06		
Methylnaphthalene,1-	µg/L	0.05	EPA 8270	06-Jul-17/K	< 0.06		
Methylnaphthalene,2-	µg/L	0.05	EPA 8270	06-Jul-17/K	< 0.06		
Methylnaphthalene 2-(1-)	µg/L	0.07	EPA 8270	06-Jul-17/K	< 0.07		
Naphthalene	µg/L	0.05	EPA 8270	06-Jul-17/K	0.23		
Phenanthrene	µg/L	0.05	EPA 8270	06-Jul-17/K	< 0.06		
Pyrene	µg/L	0.05	EPA 8270	06-Jul-17/K	< 0.06		

Elevated RLS due to sample matrix interferences



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