

DRINKING WATER SUBMISSION FORM

CADUCEAN ENVIRONMENTAL LABORATORIES
Client committed. Quality assured.

DRINKING WATER FACILITY CLASSIFICATION

☐ Municipal ☐ Non-Municipal ☐ Reg. 17003
☐ Large ☐ Small ☐ Reg. 31808 & 31908
☐ Residential ☐ Non-Residential ☐ Reg. 24307
☐ Seasonal ☐ Year-Round ☐ Private Well Water
☐ Other _____

REPORT USE ONLY
B16-37014

Indicate Laboratory Samples are Submitted to

☐ Kingston ☒ Ottawa ☐ Windsor

Richmond Hill

Windsor

Waterworks Address:

Invoicing Address (if different):

Hamlet of Kimmirut

Hamlet of Kimmirut

Organization:

Hamlet of Kimmirut

PO Box 120

Hamlet of Kimmirut XQA QND

PO Box 120

Hamlet of Kimmirut XQA QND

Contact:

Hosea Mpofo

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After Hours Tel:

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Public Health Unit:

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saokim@qinid.com

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C.O.C.: —

REPORT No. B16-37014

Report To:

Municipality of Kimmirut

P.O Box 120,

Kimmirut Nu X0A 0N0

Attention: Hosea Mpofu

Caduceon Environmental Laboratories

2378 Holly Lane

Ottawa Ontario K1V 7P1

Tel: 613-526-0123

Fax: 613-526-1244

DATE RECEIVED: 13-Dec-16

JOB/PROJECT NO.:

DATE REPORTED: 29-Dec-16

P.O. NUMBER:

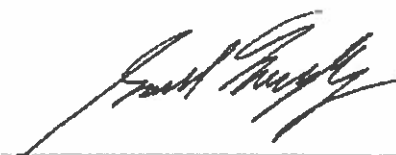
SAMPLE MATRIX: Drinking Water

WATERWORKS NO.

			Client I.D.		Water Truck #1 - Treated	Water Fill Statio - Raw		
			Sample I.D.		B16-37014-1	B16-37014-2		
			Date Collected		12-Dec-16	12-Dec-16		
Parameter	Units	R.L.	Reference Method	Date/Site Analyzed				
TDS (Calc. from Cond.)	mg/L		Calc.	15-Dec-16	106	105		
Turbidity	NTU	0.1	SM 2130	29-Dec-16/O	0.2	0.3		
Chloride	mg/L	0.5	SM4110C	13-Dec-16/O	3.8	3.8		
Fluoride	mg/L	0.1	SM4110C	13-Dec-16/O	< 0.1	< 0.1		
Nitrate (N)	mg/L	0.1	SM4110C	13-Dec-16/O	< 0.1	< 0.1		
Nitrite (N)	mg/L	0.1	SM4110C	13-Dec-16/O	< 0.1	< 0.1		
Sulphate	mg/L	1	SM4110C	13-Dec-16/O	35	35		
Phenolics	mg/L	0.001	MOEE 3179	14-Dec-16/O	< 0.001	< 0.001		
Surfactants Content	mg/L	0.05	SM-5540-C	21-Dec-16/O	< 0.05	< 0.05		
Cyanide (Total)	µg/L	5	SM4500CN	19-Dec-16/R	< 5	< 5		
Dissolved Organic Carbon	mg/L	0.2	EPA 415.1	14-Dec-16/O	1.5	1.4		
Arsenic	mg/L	0.0001	EPA 200.8	15-Dec-16/O	0.0001	< 0.0001		
Barium	mg/L	0.001	SM 3120	15-Dec-16/O	0.005	0.005		
Cadmium	mg/L	0.00002	EPA 200.8	15-Dec-16/O	0.00005	0.00013		
Chromium (VI)	mg/L	0.002	MOE E3056	16-Dec-16/O	< 0.002	< 0.002		
Copper	mg/L	0.002	SM 3120	15-Dec-16/O	0.012	0.051		
Iron	mg/L	0.005	SM 3120	15-Dec-16/O	0.007	0.013		
Lead	mg/L	0.00002	EPA 200.8	15-Dec-16/O	0.00026	0.00003		
Manganese	mg/L	0.001	SM 3120	15-Dec-16/O	< 0.001	< 0.001		
Selenium	mg/L	0.001	EPA 200.8	15-Dec-16/O	< 0.001	< 0.001		
Silver	mg/L	0.00002	EPA 200.8	15-Dec-16/O	< 0.00002	< 0.00002		
Zinc	mg/L	0.005	SM 3120	15-Dec-16/O	0.020	0.007		
Total Coliform	cfu/100mL	1	MOE E3407	13-Dec-16/O	0	0		
E coli	cfu/100mL	1	MOE E3407	13-Dec-16/O	0	0		

1 Chromium (VI) result is based on total chromium

2 Subcontracted to Niagara Analytical



Gord Murphy
Lab Supervisor

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.

Hamlet of Kimmirut 2014 Wastewater Testing

Client Sample I.D.		Close to Lagoon	Site 2	Site 3			
Lab Sample I.D.		B14-15110-1	B14-15110-2	B14-15110-3			
Date Collected		16-Jun-14	16-Jun-14	16-Jun-14			
Date Received		24-Jun-14	24-Jun-14	24-Jun-14			
Date Reported		3-Jul-14	3-Jul-14	3-Jul-14			
Parameters	MDL						
BOD	3	31	25	27			
Total Suspended Solids	3	25	30	28			
Hardness (as CaCO3)	1	204	194	196			
Alkalinity(CaCO3) to pH4.5	5	177	178	178			
Conductivity @25°C	1	515	514	518			
pH @25°C		7.64	7.64	7.63			
Nitrite (N)	0.1	< 0.1	< 0.1	< 0.1			
Nitrate (N)	0.1	0.2	0.2	0.2			
Chloride	0.5	10.7	10.8	10.7			
Sulphate	1	71	71	71			
Total Organic Carbon	0.2	9.9	11.6	12			
Ammonia (N)-Total	0.01	11.9	12.1	11.9			
Phenolics	0.001	0.001	< 0.001	< 0.001			
Aluminum (total)	0.01	0.04	0.04	0.11			
Arsenic	0.0005	< 0.0005	< 0.0005	< 0.0005			
Calcium	0.02	62.3	59.1	60.0			
Cadmium	0.005	< 0.005	< 0.005	< 0.005			
Cobalt	0.005	< 0.005	< 0.005	< 0.005			
Copper	0.002	0.006	0.005	0.011			
Chromium	0.002	< 0.002	< 0.002	< 0.002			
Iron (Total)	0.005	1.65	1.59	1.72			
Lead	0.02	< 0.02	< 0.02	< 0.02			
Magnesium	0.01	11.8	11.2	11.3			
Manganese (Total)	0.001	0.067	0.064	0.069			
Mercury	0.00002	< 0.00002	< 0.00002	< 0.00002			
Nickel	0.01	< 0.01	< 0.01	< 0.01			
Potassium	0.1	5.3	5	4.8			
Sodium	0.2	15.4	14.6	14.4			
Zinc	0.005	0.037	0.034	0.045			
Oil & Grease-Total	1	5.5	6.4	6.2			
Fecal Coliform	1	146000	139000	86000			