

C.O.C.: DW 22361

REPORT No. B20-22361

Report To:

Hamlet of Pangnirtung

P.O. Box 253,
Pangnirtung Nunavut X0A 0R0 Canada

Attention: Nancy Anilniliak

Caduceon Environmental Laboratories

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DATE RECEIVED: 31-Jul-20

JOB/PROJECT NO.:

DATE REPORTED: 24-Aug-20

P.O. NUMBER:

SAMPLE MATRIX: Drinking Water

WATERWORKS NO.

			Client I.D.	DUV1	DUV2	PAN1	
			Sample I.D.	B20-22361-1	B20-22361-2	B20-22361-3	
			Date Collected	21-Jul-20	21-Jul-20	21-Jul-20	
Parameter	Units	R.L.	Reference Method	Date/Site Analyzed			
Hardness (as CaCO ₃)	mg/L	1	SM 3120	04-Aug-20/O	2	1	2
Alkalinity(CaCO ₃) to pH4.5	mg/L	5	SM 2320B	31-Jul-20/O	< 5	< 5	< 5
pH @25°C	pH Units		SM 4500H	31-Jul-20/O	6.21	6.17	6.28
Conductivity @25°C	µmho/cm	1	SM 2510B	31-Jul-20/O	7	6	8
TDS (Calc. from Cond.)	mg/L	1	Calc.	07-Aug-20	4	3	4
Turbidity	NTU	0.1	SM 2130	04-Aug-20/O	0.9	0.8	0.9
Colour	TCU	2	SM 2120C	04-Aug-20/O	< 2	< 2	3
Fluoride	mg/L	0.1	SM4110C	31-Jul-20/O	< 0.1	< 0.1	< 0.1
Chloride	mg/L	0.5	SM4110C	31-Jul-20/O	0.6	0.6	0.9
Nitrate (N)	mg/L	0.1	SM4110C	31-Jul-20/O	< 0.1	< 0.1	< 0.1
Sulphate	mg/L	1	SM4110C	31-Jul-20/O	< 1	< 1	< 1
Aluminum	mg/L	0.01	SM 3120	04-Aug-20/O	0.03	0.04	0.03
Antimony	mg/L	0.0001	EPA 200.8	06-Aug-20/O	< 0.0001	< 0.0001	< 0.0001
Arsenic	mg/L	0.0001	EPA 200.8	06-Aug-20/O	< 0.0001	< 0.0001	< 0.0001
Barium	mg/L	0.001	SM 3120	04-Aug-20/O	0.001	0.001	0.001
Boron	mg/L	0.005	SM 3120	04-Aug-20/O	< 0.005	< 0.005	< 0.005
Cadmium	mg/L	0.000015	EPA 200.8	06-Aug-20/O	< 0.000015	< 0.000015	< 0.000015
Calcium	mg/L	0.02	SM 3120	04-Aug-20/O	0.44	0.36	0.46
Chromium	mg/L	0.001	EPA 200.8	06-Aug-20/O	< 0.001	< 0.001	< 0.001
Chromium (VI)	mg/L	0.01	MOE E3056	05-Aug-20/O	< 0.01	< 0.01	< 0.01
Copper	mg/L	0.0001	EPA 200.8	06-Aug-20/O	0.0003	0.0004	0.0003
Iron	mg/L	0.005	SM 3120	04-Aug-20/O	0.029	0.048	0.024
Lead	mg/L	0.00002	EPA 200.8	06-Aug-20/O	0.00003	0.00003	0.00002
Magnesium	mg/L	0.02	SM 3120	04-Aug-20/O	0.17	0.13	0.16
Manganese	mg/L	0.001	SM 3120	04-Aug-20/O	0.001	0.001	0.001
Potassium	mg/L	0.1	SM 3120	04-Aug-20/O	< 0.1	< 0.1	< 0.1
Selenium	mg/L	0.001	EPA 200.8	06-Aug-20/O	< 0.001	< 0.001	< 0.001



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,B-Barrie

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.	B20-22361-1	B20-22361-2	B20-22361-3	
			Date Collected	21-Jul-20	21-Jul-20	21-Jul-20	
Parameter	Units	R.L.	Reference Method	Date/Site Analyzed			
Silver	mg/L	0.0001	EPA 200.8	06-Aug-20/O	< 0.0001	< 0.0001	< 0.0001
Sodium	mg/L	0.2	SM 3120	04-Aug-20/O	0.5	0.5	0.6
Uranium	mg/L	0.00005	EPA 200.8	06-Aug-20/O	< 0.00005	< 0.00005	< 0.00005
Zinc	mg/L	0.005	SM 3120	04-Aug-20/O	< 0.005	< 0.005	< 0.005
Ammonia + Ammonium (N)	mg/L	0.01	SM4500-NH3-H	05-Aug-20/K	0.96	3.70	8.85
Cyanide (Total)	mg/L	0.005	SM 4500CN	06-Aug-20/K	< 0.005	< 0.005	< 0.005
Phenolics	mg/L	0.002	MOEE 3179	06-Aug-20/K	< 0.002	< 0.002	< 0.002
Dissolved Organic Carbon	mg/L	0.2	EPA 415.2	31-Jul-20/O	< 0.2	< 0.2	0.3
Total Organic Carbon	mg/L	0.2	EPA 415.2	31-Jul-20/O	0.3	0.2	0.4
Surfactants Content	mg/L	0.05	SM-5540-C	21-Aug-20/O	< 0.05 ¹	< 0.05 ¹	< 0.05 ¹
E coli	cfu/100mL	1	MOE E3371	31-Jul-20/O	0	0	0
Anion Sum	meq/L		Calc.	05-Aug-20/O	0.0169	0.0172	0.0260
Cation Sum	meq/L		Calc.	05-Aug-20/O	0.128	0.312	0.683
% Difference	%		Calc.	05-Aug-20/O	76.7	89.6	92.7
Ion Ratio	AS/CS		Calc.	05-Aug-20/O	0.132	0.0550	0.0380
Sodium Adsorption Ratio	-		Calc.	05-Aug-20/O	0.167	0.175	0.186
TDS(ion sum calc.)	mg/L	1	Calc.	05-Aug-20/O	2	2	2
Conductivity (calc.)	µmho/cm		Calc.	05-Aug-20/O	4	4	4
TDS(calc.)/EC(actual)	-		Calc.	05-Aug-20/O	0.260	0.289	0.282
EC(calc.)/EC(actual)	-		Calc.	05-Aug-20/O	0.650	0.662	0.588
Langelier Index(25°C)	S.I.		Calc.	05-Aug-20/O	-	-	-

¹ Subcontracted to Niagara Analytical

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