

Certificate of Analysis
Final Report

Report To:

Hamlet of Pangnirtung

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

Attention: Nancy Anilniliak

DATE SUBMITTED: 31/Jul/20

DATE REPORTED: 24/Aug/20

SAMPLE MATRIX: Drinking Water

2378 Holly Lane

Ottawa Ontario

Tel: 613-526-01

Fax: 613-526-12

P.O. NUMBER:

WATERWORKS

Client ID:

Sample ID:

Date Collected:

DUV1

B20-22361-1

21-Jul-20

Parameter	Units	M.D.L.	Reference Method	Date/Site Analyzed	
Hardness (as CaCO ₃)	mg/L	1	SM 3120	04-Aug-20/O	2
Alkalinity(CaCO ₃) to pH4.5	mg/L	5	SM 2320B	31-Jul-20/O	< 5
pH @25°C	pH Units		SM 4500H	31-Jul-20/O	6.21
Conductivity @25°C	µmho/cm	1	SM 2510B	31-Jul-20/O	7
TDS (Calc. from Cond.)	mg/L	1	Calc.	7-Aug-20	4
Turbidity	NTU	0.1	SM 2130	04-Aug-20/O	0.9
Colour	TCU	2	SM 2120C	04-Aug-20/O	< 2
Fluoride	mg/L	0.1	SM4110C	31-Jul-20/O	< 0.1
Chloride	mg/L	0.5	SM4110C	31-Jul-20/O	0.6
Nitrate (N)	mg/L	0.1	SM4110C	31-Jul-20/O	< 0.1
Sulphate	mg/L	1	SM4110C	31-Jul-20/O	< 1
Aluminum	mg/L	0.01	SM 3120	04-Aug-20/O	0.03
Antimony	mg/L	0.0001	EPA 200.8	06-Aug-20/O	< 0.0001
Arsenic	mg/L	0.0001	EPA 200.8	06-Aug-20/O	< 0.0001
Barium	mg/L	0.001	SM 3120	04-Aug-20/O	0.001
Boron	mg/L	0.005	SM 3120	04-Aug-20/O	< 0.005
Cadmium	mg/L	0.000015	EPA 200.8	06-Aug-20/O	< 0.000015
Calcium	mg/L	0.02	SM 3120	04-Aug-20/O	0.44
Chromium	mg/L	0.001	EPA 200.8	06-Aug-20/O	< 0.001
Chromium (VI)	mg/L	0.01	MOE E3056	05-Aug-20/O	< 0.01
Copper	mg/L	0.0001	EPA 200.8	06-Aug-20/O	0.0003
Iron	mg/L	0.005	SM 3120	04-Aug-20/O	0.029
Lead	mg/L	0.00002	EPA 200.8	06-Aug-20/O	0.00003
Magnesium	mg/L	0.02	SM 3120	04-Aug-20/O	0.17
Manganese	mg/L	0.001	SM 3120	04-Aug-20/O	0.001
Potassium	mg/L	0.1	SM 3120	04-Aug-20/O	< 0.1
Selenium	mg/L	0.001	EPA 200.8	06-Aug-20/O	< 0.001
Silver	mg/L	0.0001	EPA 200.8	06-Aug-20/O	< 0.0001
Sodium	mg/L	0.2	SM 3120	04-Aug-20/O	0.5
Uranium	mg/L	0.00005	EPA 200.8	06-Aug-20/O	< 0.00005
Zinc	mg/L	0.005	SM 3120	04-Aug-20/O	< 0.005

Ammonia + Ammonium (N)	mg/L	0.01	SM4500-NH3-H	05-Aug-20/K	0.96
Cyanide (Total)	mg/L	0.005	SM 4500CN	06-Aug-20/K	< 0.005
Phenolics	mg/L	0.002	MOEE 3179	06-Aug-20/K	< 0.002
Dissolved Organic Carbon	mg/L	0.2	EPA 415.2	31-Jul-20/O	< 0.2
Total Organic Carbon	mg/L	0.2	EPA 415.2	31-Jul-20/O	0.3
Surfactants Content	mg/L	0.05	SM-5540-C	21-Aug-20/O	< 0.05
E coli	cfu/100mL	1	MOE E3371	31-Jul-20/O	0
Anion Sum	meq/L		Calc.	05-Aug-20/O	0.0169
Cation Sum	meq/L		Calc.	05-Aug-20/O	0.128
% Difference	%		Calc.	05-Aug-20/O	76.7
Ion Ratio	AS/CS		Calc.	05-Aug-20/O	0.132
Sodium Adsorption Ratio	-		Calc.	05-Aug-20/O	0.167
TDS(ion sum calc.)	mg/L	1	Calc.	05-Aug-20/O	2
Conductivity (calc.)	µmho/cm		Calc.	05-Aug-20/O	4
TDS(calc.)/EC(actual)	-		Calc.	05-Aug-20/O	0.26
EC(calc.)/EC(actual)	-		Calc.	05-Aug-20/O	0.65
Langelier Index(25°C)	S.I.		Calc.	05-Aug-20/O	-

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NO.:

DUV2 B20-22361-2 21-Jul-20	PAN1 B20-22361-3 21-Jul-20
1	2
< 5	< 5
6.17	6.28
6	8
3	4
0.8	0.9
< 2	3
< 0.1	< 0.1
0.6	0.9
< 0.1	< 0.1
< 1	< 1
0.04	0.03
< 0.0001	< 0.0001
< 0.0001	< 0.0001
0.001	0.001
< 0.005	< 0.005
< 0.000015	< 0.000015
0.36	0.46
< 0.001	< 0.001
< 0.01	< 0.01
0.0004	0.0003
0.048	0.024
0.00003	0.00002
0.13	0.16
0.001	0.001
< 0.1	< 0.1
< 0.001	< 0.001
< 0.0001	< 0.0001
0.5	0.6
< 0.00005	< 0.00005
< 0.005	< 0.005

3.7	8.85
< 0.005	< 0.005
< 0.002	< 0.002
< 0.2	0.3
0.2	0.4
< 0.05	< 0.05
0	0
0.0172	0.026
0.312	0.683
89.6	92.7
0.055	0.038
0.175	0.186
2	2
4	4
0.289	0.282
0.662	0.588
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