



Northern Analytical Laboratory Services (NALS)

Water Analysis Package

Date: January 2022

Contact Information

Northern Analytical Laboratory Services (NALS); University of Northern British Columbia (UNBC),
3333 University Way, Prince George, BC, Canada V2N 4Z9

Phone: 250-960-5713

E-mail: nals@unbc.ca

Home page: <http://www.unbc.ca/nals>

NALS directions on Google maps at: <https://goo.gl/mun6v1>

Physical Tests	Units	Reportable Limit ^b	CDWQ ^a Guidelines
pH			n/a
Electrical Conductivity	µS/cm		-
Turbidity	NTU		1
Hardness	mg CaCO ₃ /L		n/a

Biological Tests	Units	Reportable Limit ^b	CDWQ ^a Guidelines
<i>E. coli</i>	MPN/100mL	0	0
Total Coliforms	MPN/100mL	0	0

Anion Scan	Units	Reportable Limit ^b	CDWQ ^a Guidelines
Fluoride	mg/L	0.1	1.5
Chloride	mg/L	0.1	n/a
Nitrite	mg/L	0.1	3
Bromide	mg/L	0.1	-
Sulphate	mg/L	0.1	500 (AO)
Nitrate	mg/L	0.1	45
Phosphate	mg/L	0.3	-

Elemental	Units	Reportable Limit ^b	CDWQ ^a Guidelines
Aluminum	mg/L	0.013	0.1 (OG)
Arsenic	mg/L	0.009	0.01
Boron	mg/L	0.001	5
Barium	mg/L	0.0003	1
Calcium	mg/L	0.004	n/a
Cadmium	mg/L	0.0004	0.005
Cobalt	mg/L	0.001	-
Chromium	mg/L	0.0003	0.05
Copper	mg/L	0.001	2
Iron	mg/L	0.004	0.3 (AO)
Potassium	mg/L	0.002	-
Magnesium	mg/L	0.001	n/a
Manganese	mg/L	0.001	0.12
Molybdenum	mg/L	0.002	-
Sodium	mg/L	0.001	200 (AO)
Nickel	mg/L	0.001	-
Phosphorus	mg/L	0.011	-
Lead	mg/L	0.003	0.05
Sulfur	mg/L	0.02	-
Antimony	mg/L	0.007	0.006
Selenium	mg/L	0.02	0.05
Tin	mg/L	0.01	-
Uranium	mg/L	0.01	0.02
Vanadium	mg/L	0.001	-
Zinc	mg/L	0.01	5 (AO)

Notes:

- a. Canadian Drinking Water Quality Guidelines Maximum Allowable Limits (<https://www.canada.ca/en/health-canada/services/environmental-workplace-health/reports-publications/water-quality/guidelines-canadian-drinking-water-quality-summary-table.html#t2>). (n/a = not applicable as guidelines have no stated limit, and “-“ not found in the guidelines).
- b. Reportable Limits may have the potential to change, and will be updated accordingly.
- c. More than five (5) samples, save 5%.
- d. For testing other parameters of your water samples that are not included in this package, or if you need to discuss your specific analytical needs, please contact NALS.

Service Waiver:

Please be informed that not all the Northern Analytical Lab Services (NALS) testing services are certified by an external body. Its testing packages and any associated analyses are not offered as commercial services. NALS at UNBC is a community resource and has developed its services in order to help local communities who do not have access to other testing facilities in their region. Acceptance of samples for analysis does not guarantee service. At any time NALS may request further sample(s) to be resubmitted on an as-needed basis for completion of any requested services. Any such costs associated with re-sampling are not the responsibility of NALS and are assumed by the client. Data in any report prepared by NALS refers strictly to the supplied sample(s) at the time and place of testing without reference to any other matter. All such data will be regarded as confidential but specific data security requirements are the responsibility of the client. Clients retain responsibility for all oversight of sampling procedures not performed by NALS. NALS is not responsible for losses or damage incurred by use of its services, including but not limited to loss or damage of supplied sample(s). Editing of this report is not permissible and client assumes all responsibility for conveyance of data outside of this report. The results in this report relates only to the items, calibrated or sampled as specified in this report. All revised reports will supersede all prior reports.

Pricing for Water Package

- A. Physical Tests (pH, EC, Turbidity): \$30.00/sample
- B. Elemental Analysis (26 elements) + Hardness: \$100.00/sample
- C. Dissolved Anions (6 anions): \$70.00/sample
- D. Physical and Chemical Parameters (A+B+C): \$180.00
- E. Bacteriological (*E. coli* and Total Coliforms): \$80.00
- F. Full Package: \$200.00

Code: WTR_PKG_A
Code: WTR_PKG_B
Code: WTR_PKG_C
Code: WTR_PKG_D
Code: WTR_PKG_E
Code: WTR_PKG_F

* All samples are subject to a sample handling/admin fee of 6% or \$5.00 minimum which is not included in the package price.

Ship your sample to:

Attn: Hossein Kazemian, Northern Analytical Laboratory Services (NALS); University of Northern British Columbia (UNBC), 3333 University Way, Prince George, BC, Canada V2N 4Z9

You can also drop your sample at the lab - UNBC Prince George Campus - Room # 4-234