



# Price Guide

Taiga Environmental Laboratory

JULY | 2021



# Table of Contents

Contact Information .....	3
Quality Assurance.....	4
Certification and Accreditation.....	4
General Information.....	5
Price List.....	6
Additional services and charges.....	6
Routine Analysis .....	6
Water Analysis Package.....	6
Trace Metal Analysis Packages (Water).....	7
Water Analysis- Individual Parameters .....	8
1 Physical Parameters (per sample).....	8
2 Microbiology (per sample) .....	8
3 Major Ions (per sample).....	8
4 Nutrients.....	9
5 Organic Parameters .....	9
6 Metals Parameters.....	1
7 Ultra Low Trace Mercury by Cold Vapor Atomic Fluorescence Spectrometry (CVAf) .....	1

## Contact Information

### **Mailing Address**

Taiga Environmental Laboratory  
4601 52nd Avenue  
Yellowknife, NT X1A 2L9

### **Fax Number**

(867) 920-8740

### **Website**

<http://www.enr.gov.nt.ca/programs/taiga-environmental-laboratory>

### **Main Switchboard**

(867) 767-9235 Ext 53151

### **Laboratory Manager**

Bruce Stuart  
Ext 53150  
[Bruce\\_Stuart@gov.nt.ca](mailto:Bruce_Stuart@gov.nt.ca)

### **Client Services**

Judy Mah  
Ext 53153  
[Judy\\_Mah@gov.nt.ca](mailto:Judy_Mah@gov.nt.ca)

### **Quality Assurance Officer**

Glen Hudy  
Ext 53154  
[Glen\\_Hudy@gov.nt.ca](mailto:Glen_Hudy@gov.nt.ca)

# Quality Assurance

## **Certification and Accreditation**

Taiga laboratory is a member of the Canadian Association for Laboratory Accreditation (CALA).

## General Information

The rates in this price guide are for normal turn-around time in reporting of results. For routine samples this is normally ten (10) business days.

### **Rush Service**

All samples received at the lab are analyzed on a “first come, first serve” basis unless otherwise specified as RUSH. RUSH samples will be placed in front of the line and analyzed prior to routine samples. A premium charge of 100% shall be charged for the analysis (and any other additional charges). RUSH services depend on staff availability, analysis required and capabilities of the laboratory. Please contact the lab prior to requesting this service.

### **Volume Work and Discounts**

Discounts may be available for your sample analysis and be applied to volume sample shipments. Volume discounts are dependent upon types of analysis and applies only to the cost of analysis. Please contact our Client Services Officer for a price quote. Discounts are not applicable to RUSH samples.

### **Sample Containers**

Sample bottles and preservatives that meet Taiga’s quality control specifications are provided to clients free of charge (excludes shipping costs to client). To place a bottle order, please submit a Taiga Bottle Order Form a minimum of 48 hours in advance. Coolers and field equipment shall be returned to the laboratory in a prompt manner or additional charges may apply.

### **Shipping Charges**

Sample kits and accompanying Transportation of Dangerous Goods (TDG) shipments are shipped collect to the location requested by the client.

In-bound sample shipments to Taiga must be pre-paid. All coolers and TDG shipping containers must be returned to Taiga or additional charges may be levied.

### **Sample Preparation**

Some samples may require additional sample preparation such as filtering, digestion, preservation, etc., additional per sample charges may apply (see Additional Charges Section).

### **Sample Storage**

Due to limited storage space, samples shall be kept for 30 working days after final results have been reported. Extended sample storage will be charged accordingly. Samples found to contain high levels of hazardous materials (e.g., cyanide, mercury, arsenic, etc.) will be returned to the client for proper disposal (at the client’s expense).

### **Limit of Liability**

Although every care and precaution is taken in the performance of our services, our liability for loss or damage in all circumstances is limited to re-analysis of the sample(s) at our expense or the cancellation of charges. Results apply only to the sample(s) submitted under the specific conditions upon receipt by Taiga Environmental Laboratory. The results do not imply to any conditions on the whole. All prices are subjected to change without notice.

### **Confidentiality**

All data and reports are considered confidential and the property of the client. No information shall be released to others without documented approval from the client.

# Price List

## Additional services and charges

Sample filtration ..... \$ 15.00/filteration  
Sample digestion ..... \$ 20.00/sample  
Sample preservation ..... \$ 5.00/sample  
Completion of forms ..... \$ 5.00/form

Replacement cost for field equipment cost of equipment + 15% surcharge

Cooler Replacement Cost..... \$ 30.00/cooler  
High Purity Water (Type I) ..... \$ 1.00 per liter  
Cold Storage Sample @ 4 oC ..... \$ 10.00 per ft3/month

## Routine Analysis

### Water Analysis Package

- 1) Annual Drinking Water Quality Testing..... \$ 380.00/sample  
(GNWT, Department of Health and Social Services 2008 Requirements)

**Package includes:**

Total Aluminum (Al) Total Arsenic (As)  
Total Barium (Ba) Cyanide (CN - WAD)  
Total Cadmium (Cd) Sodium (Na)  
Total Chromium (Cr) Chloride (Cl)  
Total Copper (Cu) Fluoride (F)  
Total Lead (Pb) Nitrate (NO3) Total Manganese (Mn) Sulphate (SO4) Total Selenium (Se) pH  
Total Uranium (U) Turbidity  
Total Zinc (Zn) Colour  
Total Iron (Fe) Total Dissolved Solids (TDS)  
Total Mercury (Hg) Total Suspended Solids (TSS)  
Alkalinity (Alk) Hardness (Hard)  
Carbon, Total Organic (TOC) Carbon, Dissolved Organic (DOC)

- 2) Quarterly Drinking Water Quality Testing..... \$ 120.00/sample  
(GNWT, Department of Health and Social Services 2008 Requirements)

**Package includes:**

Trihalomethanes (THMs)

- 3) Monthly Drinking Water Quality Testing ..... \$ 25.00/sample  
(GNWT, Dept. of Health and Social Services 2008 Guidelines)

**Package includes:**

Total Coliforms (TC)

*Escherichia coli* (EC)

4) Sewage Lagoon Discharge..... \$ 160.00/sample

**Package includes:**

- pH Ammonia (NH3)
- Oil and Grease (Extractable) Total Suspended Solids (TSS)
- Fecal Coliforms (FC) Biological Oxygen Demand (BOD) Total Phosphorus (TP)

**Trace Metal Analysis Packages (Water)**

1) Nine (9) Elements ..... \$ 90.00 Total  
\$ 75.00 Dissolved

**Package includes:**

- Cadmium (Cd) Nickel (Ni)
- Chromium (Cr) Lead (Pb)
- Cobalt (Co) Zinc (Zn)
- Copper (Cu) Iron (Fe) Manganese (Mn)

2) Twenty Five (25) Elements ..... \$ 125.00 Total  
\$ 100.00 Dissolved

**Package includes:**

- Silver (Ag) Aluminum (Al)
- Arsenic (As) Barium (Ba)
- Beryllium (Be) Cadmium (Cd)
- Cobalt (Co) Copper (Cu)
- Chromium (Cr) Cesium (Cs)
- Iron (Fe) Lithium (Li)
- Manganese (Mn) Molybdenum (Mo)
- Nickel (Ni) Lead (Pb)
- Rubidium (Rb) Antimony (Sb)
- Selenium (Se) Strontium (Sr)
- Titanium (Ti) Thallium (Tl)
- Uranium (U) Vanadium (V) Zinc (Zn)

**Note: Trace metal packages include digestion fees; see Additional Services and Charges section for more detail.**

## Water Analysis- Individual Parameters

### 1 Physical Parameters (per sample)

Alkalinity, Carbonates (Alkal)	\$ 15.00
pH	\$ 10.00
Conductivity, Specific (25 °C) (Cond)	\$ 10.00
Colour, Apparent	\$ 10.00
Colour, True	\$ 13.00
Turbidity (Turb)	\$ 10.00
Solids, Total Dissolved (TDS)	\$ 20.00
Solids, Total Suspended (TSS)	\$ 20.00
Residual Chlorine (Cl <sub>2</sub> )	\$ 10.00
Total Chlorine	\$ 10.00
Oil and Grease (visible) (O&G (vis))	\$ 6.00

### 2 Microbiology (per sample)

Total Coliforms (drinking water) (TC)	\$ 23.50
Total Coliforms (other water) (TC)	\$ 33.00
<i>Escherichia coli</i> (drinking water) (EC)	\$ 23.50
<i>Escherichia coli</i> (other water) (E. coli)	\$ 33.00
Total Coliforms + <i>E. coli</i> (drinking water) (TC+EC)	\$ 28.00
Total Coliforms + <i>E. coli</i> (other water) (TC+EC)	\$ 38.00
Fecal Coliforms (drinking water) (FC)	\$ 23.50
Fecal Coliforms (other water) (FC)	\$ 33.00
Fecal <i>Streptococcus</i> (drinking water) (FS)	\$ 23.50
Fecal <i>Streptococcus</i> (other water) (FS)	\$ 33.00

**Note:** Bacteria are measured as either most probable number (MPN) or colony forming units (CFU) per 100mL. MPN is a statistically derived number based on well counts while CFU is calculated by counting bacteria colonies. Both are acceptable units for measuring bacteria.

### 3 Major Ions (per sample)

Cation suite by IC Scan (includes Ca, Mg, K, Na)	\$ 25.00
Calcium (Ca)	\$ 7.00
Potassium (K)	\$ 7.00
Magnesium (Mg)	\$ 7.00
Sodium (Na)	\$ 7.00
Hardness as CaCO <sub>3</sub> (Hard) (Hardness requires Calcium and Magnesium analysis)	\$ 20.00
Anion Suite by IC Scan (includes F, Cl, SO <sub>4</sub> , NO <sub>3</sub> -N, NO <sub>2</sub> -N)	\$ 28.00
Fluoride (F)	\$ 7.00
Chloride (Cl)	\$ 7.00
Sulphate (SO <sub>4</sub> )	\$ 7.00



Nitrite (as N) (NO <sub>2</sub> -N)	\$ 7.00
Nitrate (as N) (NO <sub>3</sub> -N)	\$ 7.00
Nitrates + Nitrites (as N) (NO <sub>3</sub> +NO <sub>2</sub> -N) (NO <sub>3</sub> +NO <sub>2</sub> -N requires NO <sub>3</sub> -N and NO <sub>2</sub> -N analysis)	\$ 20.00
Reactive Silica (SiO <sub>2</sub> )	\$ 18.00

#### 4 Nutrients

Biochemical Oxygen Demand (BOD)	\$ 48.00
Carbonaceous BOD (CBOD)	\$ 48.00
Chemical Oxygen Demand (COD)	\$ 30.00
Organic Carbon, Dissolved (DOC)	\$ 35.00
Organic Carbon, Total (TOC)	\$ 30.00
Ammonia (NH <sub>3</sub> -N)	\$ 20.00
Nitrogen, Dissolved (DN)	\$ 20.00
Nitrogen, Total (TN)	\$ 20.00
Ortho-Phosphate (as P) (OP)	\$ 15.00
Phosphorus, Dissolved (DP)	\$ 25.00
Phosphorus, Total (TP)	\$ 20.00

#### 5 Organic Parameters

**Note:** We are expanding our range of organic analysis – please call with inquiries.

Purgeable Hydrocarbons	\$ 75.00
BTEX (individual components)	\$ 75.00
Hydrocarbons, extractable (ExtHC)	\$ 75.00
BTEX and Purgeable Hydrocarbons	\$ 120.00
Total Petroleum Hydrocarbons (TPH) (Includes, BTEX, purgeable hydrocarbons and extractable hydrocarbons)	\$ 195.00
Trihalomethanes (THM)	\$ 120.00
Hexane Extractable Material (HEM)	\$ 40.00
Mineral Oil and Grease	\$ 45.00
Glycols	\$ 80.00

## 6 Metals Parameters

Metals are analyzed using Inductively Coupled Plasma Mass Spectroscopy (ICP- MS). For commonly requested multi-element scans, please refer to the trace metals package detailed under “Water Analysis Packages”.

**Note:** Acid Digestion for Total Metals included in price

Single Element ICP-MS (Total)	\$ 25.00/element
Each additional element by ICP-MS (Total)	\$ 7.50
ICP-MS (Total)	\$ 125.00 (maximum)
Single Element ICP-MS (Total)	\$ 25.00/element
Each additional element by ICP-MS (Total)	\$ 7.50
ICP-MS (Total)	\$ 100.00 (maximum)

The following elements are analyzed using ICP-MS:

Silver (Ag)	Aluminum (Al)
Arsenic (As)	Barium (Ba)
Beryllium (Be)	Boron (B)
Bismuth (Bi)	Cadmium (Cd)
Cobalt (Co)	Chromium (Cr)
Cesium (Cs)	Copper (Cu)
Iron (Fe)	Lithium (Li)
Manganese (Mn)	Molybdenum (Mo)
Nickel (Ni)	Rubidium (Rb)
Antimony (Sb)	Selenium (Se)
Strontium (Sr)	Tin (Sn)
Titanium (Ti)	Thallium (Tl)
Uranium (U)	Vanadium (V)
Zinc (Zn)	Lead (Pb)

## 7 Ultra Low Trace Mercury by Cold Vapor Atomic Fluorescence Spectrometry (CVAF)

Total	\$ 65.00
Dissolved	\$ 80.00