**BC WATER POTABILITY PACKAGES**

### GROUP 1 – BASIC BACTERIAL ANALYSIS

This indicates the influence of surface water, septic and animal fecal matter. This also meets the definition of potability for "most" mortgages. ¹

- **Total Coliforms, E. Coli**

  Container Required:
  1. Microbiology: 300 mL sterile with Na₂S₂O₃ preservative

### GROUP 2 – HEALTH ISSUES MINI-LIST

Parameters sometimes found over maximums in the Southern Interior. ¹

- **Total Coliforms, E. Coli, Arsenic, Uranium, Nitrate-N, Nitrite-N, Fluoride, Turbidity**

  Containers Required:
  1. Microbiology: 300 mL sterile with Na₂S₂O₃ preservative
  2. Metals: 125 mL HDPE with HNO₃ preservative
  3. General: 250 mL HDPE

### GROUP 3 – GENERAL DRINKING WATER LIST

Fairly comprehensive list of chemical and microbiological parameters for new water sources or routine testing of drinking water sources. ¹

- **Total Coliforms, E. Coli, Alkalinity, Arsenic, Calcium, Chloride, Colour, Conductivity, Fluoride, Hardness (total), Iron, Magnesium, Manganese, Nitrate-N, Nitrite-N, pH, Potassium, Silicon, Sodium, Sulfate, Total Dissolved Solids, Turbidity, Uranium**

  Containers Required:
  1. Microbiology: 300 mL sterile with Na₂S₂O₃ preservative
  2. Metals: 125 mL HDPE with HNO₃ preservative
  3. General: 250 mL HDPE

### COMPREHENSIVE DRINKING WATER LIST

Parameters frequently required for drinking water approval. This meets requirements of Environmental Health Officers in North, Central and & South Okanagan and in the East Kootenay regions. ¹ Cyanide and Transmissivity are not required for coastal regions.

- **Total Coliforms, E. Coli, Alkalinity, Aluminum, Antimony, Arsenic, Barium, Beryllium, Boron, Cadmium, Calcium, Chloride, Chromium, Cobalt, Colour, Copper, Conductivity, Cyanide, Fluoride, Hardness (total), Iron, Lead, Magnesium, Manganese, Mercury, Molybdenum, Nickel, Nitrate, Nitrite, pH, Phosphorus, Potassium, Selenium, Silicon, Silver, Sodium, Sulfate, Total Dissolved Solids, Transmissivity, Turbidity, Uranium, Vanadium, Zinc**

  Containers Required:
  1. Microbiology: 300 mL sterile with Na₂S₂O₃ preservative
  2. Metals: 125 mL HDPE with HNO₃ preservative
  3. Mercury: 40 mL Glass with HCl preservative
  4. General: 250 mL HDPE
  5. Cyanide: 125 mL HDPE with NaOH preservative (BC Interior only)

¹ These are suggested packages. Check with an appropriate approval authority to ensure that packages meet applicable requirements, i.e. Interior Health Public Health Officer (http://www.interiorhealth.ca/)

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