

Types of Containers Standard Turnaround time (TAT) is a minimum of 10 business days, and seasonal load may delay results. RUSH may be available upon request at an additional cost.



Lead/Copper/Test Kits Bottle (1 L) – This 1 L opaque bottle is used for the collection of Lead and Copper samples. Lead and Copper in water is usually caused by the corrosion of plumbing or equipment. Therefore, the best sample for detection is a **“FIRST DRAW”** (the water should stand motionless in the plumbing for a minimum of 6 hours before the sample is collected).

After the water has been sitting in the plumbing for at least 6 hours, collect sample immediately in a one liter bottle provided. Collect from the cold water tap in either the kitchen or bathroom filling to the neck. Sample must be received by the lab within 14 days of sample collection.



General Bottle – This opaque bottle is a general purpose container most often used for Nitrates (125 mL) or Nitrates and Arsenic (250 mL). White Water Associates may be able to perform multiple tests from the 250 mL bottle, but depending on the tests we may require more.

Fill the General Bottle from cold water tap to the top without overflowing. Recap the bottle.

For tests requiring insulated boxes, fill included ice bottle to line and freeze overnight or fill remaining space with ice in a sealable bag. For Public Water Systems, we must reject Nitrates if not received at proper temperature or not on ice under 24 hours from sampling.



Coliform Bacteria Bottles – This 120 mL bottle is designed for collecting water samples for Coliform Bacteria/E. coli. The bottle contains sodium thiosulfate (a white pill, powder, or liquid), which deactivates chlorine up to 5 ppm. See sampling instructions below.

Attention: If your water still smells chlorinated, please wait and collect sample after it clears up. Highly chlorinated samples may be rejected and a new sample will need to be submitted.

Bacteria Sampling Instructions <https://www.white-water-associates.com/PDF/Sampling-for-Coliform-Bacteria-in-Drinking-Water.pdf>

- Sample must be taken from a tap closest to the water source (before water softener).
- Water tap must be free of aerators, strainers, hoses, filters, etc.
- Disinfect the water tap with bleach or alcohol in a shallow glass for 1-2 minutes.
- Wash hands thoroughly, do not open sample bottle until ready to proceed.
- The COLD water tap must be used. Run the water for at least 2 minutes, turn down flow to the thickness of a pencil, then run for another 2 minutes.
- Do NOT touch the inside of the sample bottle or cap. Do NOT set cap down on any surface.
- Do NOT rinse sample container (white pill, powder, or liquid is needed for coliform test).
- Fill sample container over the 100 mL line, but below the neck. Insufficient volume will be rejected or flagged.
- You are encouraged, but not required, to keep sample below 10°C (50°F) during transit to the lab.
- Try to protect sample from direct sunlight.
- Place bottle and completed Chain of Custody (COC) Form in mailing packet to send to lab with check for payment made out to White Water Associates.

All samples collected for Coliform/E. coli testing and Nitrates must be received by the lab within 24 hours. This means you must send your sample the same day you collect it. Do not mail on a Saturday or when the next day is a holiday. Use Priority Mail U.S. Postal Service.

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Coliform Bacteria and E. coli in Drinking Water - \$20

General indicator of sanitary conditions, common in soil, vegetation and surface water. Most Coliform Bacteria do not cause illness, but their presence can be a health concern. Symptoms include nausea, vomiting, fever, and diarrhea. Results are noted as positive or negative.

Enumerated E. coli Bacteria for Surface or Wastewater - \$30

<p>Tests in this box and above do <u>NOT</u> need to be packed with ice:</p> <p style="text-align: center;">Hardness, Sodium, Iron - \$45 ^P</p> <p>Hardness can cause scaling of water fixtures. Sodium is a common salt forming element. Iron can cause staining, turbidity, taste and odor.</p> <p style="text-align: center;">Arsenic - \$18</p> <p>Naturally occurring element, causes skin damage, problems with circulatory system, carcinogen.</p> <p style="text-align: center;">Lead/Copper in drinking water - \$35</p> <p>Lead, caused usually from corrosion of plumbing, can cause delays in physical/mental development, kidney problems, and cardiovascular effects. Copper, created by corrosion of plumbing, can cause gastrointestinal distress. It has also been associated with liver damage and kidney disease. (Sample should be <u>FIRST DRAW</u>.)</p> <p style="text-align: center;">Other Metals (Cadmium, Chromium etc.) - \$18/metal</p>	<p>Tests in this box <u>NEED</u> to be packed with <u>ICE</u>: (see previous page)</p> <p style="text-align: center;">Nitrate Nitrogen - \$20 ^P</p> <p style="text-align: center;">Nitrite Nitrogen - \$20 ^P</p> <p>Commonly found in fertilizers/human waste, can cause serious health problems for infants.</p> <p style="text-align: center;">Fluoride - \$25 ^P</p> <p>Sometimes used as an additive, low levels promote strong teeth. High levels can cause bone disease/mottled teeth.</p> <p style="text-align: center;">Sulfate - \$18 ^P</p> <p>Taste, "rotten egg" odor, and can cause a laxative effect.</p> <p style="text-align: center;">Chloride - \$18 ^P</p> <p>Can give a salty taste, also contributes to dissolved solids.</p> <p style="text-align: center;">Partial Chem List - \$146 (six items indicated with ^P)</p>
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Water Testing Kits – Most Popular, Shipped to You! Bottles included (1 L Opaque and Coliform and plus bottle to freeze for ice). After sampling, kits need to be packed with **FROZEN ICE BOTTLE** or **ICE IN SEALED BAG**.

Annual Well Test - Arsenic, Coliform Bacteria/E. coli, Nitrates - \$80

Real Estate - Arsenic, Coliform Bacteria/E. coli, Lead, Nitrates - \$95

Home Water Quality Test- Arsenic, Coliform Bacteria/E. coli, Nitrates, Chloride, Copper, Fluoride, Hardness, Lead, pH, Iron, Sodium, Sulfate - \$225

<p style="text-align: center;">SEND BOTTLES, CHAIN OF CUSTODY, and PAYMENT to:</p> <p style="text-align: center;">Call us with any questions at:</p> <p style="text-align: center;">(906) 822-7889</p>	<p style="text-align: center;">White Water Associates</p> <p style="text-align: center;">429 River Lane, P.O. Box 27</p> <p style="text-align: center;">Amasa, Michigan 49903</p> <p style="text-align: center;">Or visit www.white-water-associates.com</p>	<p>Supplies Shipping:</p> <p>Per cooler box sent for tests requiring insulated shipping (Nitrates etc.) - \$8.00</p> <p>Per coliform bottle (1-3) - \$4.00</p>
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Open Monday-Friday from 8 AM-4:30 PM CST, please plan accordingly for weekends and Holidays.

SAMPLE RECORD

- Fill the following:**
- Client Name/Bill To
 - Address
 - City, State, Zip
 - Email (optional)
 - Telephone
 - Project (optional)
 - Sampler Name
 - County of Location
 - Sampler Signature
 - Sample ID, Date, Time
 - Sample Location (optional)
 - Sample Matrix
 - Preservatives (if known)
 - Analysis Requested
 - Instructions to WWA
 - Relinquished by, date/time

Job # (WWA office use):		CHAIN-OF-CUSTODY RECORD		Version 230419 Page: <u>1</u> OF <u>1</u>	
CLIENT NAME / BILL TO John Doe		EMAIL ADDRESS jdoe@amasa.com		WHITE WATER ASSOCIATES, INC. Amasa MI: PO Box 27, 429 River Ln, Amasa MI 49903, 906-822-7889 Keweenaw WI: 223B Milwaukee St, Keweenaw WI 54216, 920-388-9067	
ADDRESS PO Box 48		TELEPHONE 906-822-7889			
CITY Amasa	STATE MI	ZIP 49903	PROJECT NAME / WSSN# Drinking Water		
SAMPLER NAME (print first/last name) John Doe			COUNTY OF LOCATION Iron	SITE CODE	
SAMPLER'S SIGNATURE <i>John Doe</i>			Public Systems, in REMARKS state: Sample Type = Routine, Repeat, Raw, Process, or Other.	Preservatives WWA noted upon arrival, database contains bottle preservation details.	
SAMPLE ID AND LOCATION (Containers for each sample maybe combined on one line)		Sample Collection		PRE SERVATIVES	
		DATE	TIME	Matrix Code (by below)	Number of Containers
Kitchen 29 Cherry Lane Amasa, MI 49903		8/18/2023	9:00	DW	1
REMARKS (No to any special instructions provided by client or conditions of receipt noted by WWA lab staff)					
Relinquished by: <i>John Doe</i>	Date: 8/18/23	Time: 9:00	Received by:	Date:	Time:
Relinquished by:	Date:	Time:	Received by:	Date:	Time:

Matrix Code: Drinking Water (DW) , Ground Water (GW) , Water (W) , Sediment (Sd) , Soil/Solid (S) , TCLP (TC) , SPLP (SP) , Other (O) Sample temp (°C) on receipt: obs: _____ com: _____