



## TESTS FOR PRIVATE WELL WATER

**Bacteriological testing requires 24 hours setup time.** The lab will NOT accept samples for bacteria analysis on any Friday and July 3-4, Sept 4, Nov 23-24, 2023.

**HOMEOWNER PACKAGE** (Includes tests 1-8)..... **\$68.00**

This package consists of the following analyses which can be run separately for the price indicated:

1. **Total Coliform Bacteria** (includes *E.coli* result when bacteria is present)..... \$29.00  
 Test the bacteriological safety of a water supply. **Priority analysis (48-hour turnaround) ...\$58.00**
2. **Nitrate plus Nitrite-Nitrogen** ..... \$24.00  
 These are the most common chemical contaminants in Wisconsin groundwater. They may also serve as an indicator of the presence of other contaminants, such as pesticides or trace organic chemicals from septic system effluent. **Priority analysis (48-hour turnaround) ...\$48.00**
3. **pH** ..... \$13.00  
 Measure of relative acidity of the water. Useful in assessing the corrosivity of water to plumbing.
4. **Alkalinity** ..... \$14.00  
 Amount of bicarbonate (*acid neutralizing capacity*), the major anion in water, related to pH and corrosivity.
5. **Hardness** ..... \$14.00  
 Measure of the amount of calcium and magnesium carbonates. Important if water softening is considered.
6. **Chloride** ..... \$22.00  
 Indicates contamination from septic systems, fertilizer, landfills, or road salt.
7. **Conductivity**..... \$13.00  
 Measure of total dissolved minerals in water. Change in conductivity or unusual ratio of conductivity to hardness may signal presence of contaminants.
8. **Corrosivity Index**..... \$38.00  
 This measures the tendency of water to be corrosive or scale forming.



Homeowner Package **plus Fluoride** (Requires an additional bottle) .....\$88.00  
**Fluoride** ..... \$23.00

**Bacteria Count** (Quanti-tray method) .....\$40.00  
 Provides an estimate of the number of bacteria colony forming units. Includes *E.coli* result when bacteria is present. This test can be useful if diagnosing or trouble shooting a well with a history of bacteria positive samples.

**METAL PACKAGE** (Requires an acidified bottle) .....\$60.00

Individual metals are \$28/element.

Arsenic (screen), Calcium, Copper, Iron, Lead (screen), Magnesium, Manganese, Potassium, Sodium, Sulfur (SO<sub>4</sub>), and Zinc.

**COMPREHENSIVE HOMEOWNERS PACKAGE** (Requires 3 different bottles) .....\$161.00

This package includes – Homeowners Package, Metals Package (above) and DACT (atrazine screen)

*Additional savings on our already discounted packages!*

**Priority analyses may be run on any of the above samples for double the listed price.**

**Please contact the lab to confirm availability prior to submitting samples.**

**PESTICIDE ANALYSES**

*Call the laboratory for sample bottles.*

Diaminochlorotriazine screen (DACT) (a breakdown of atrazine and related herbicides)..... \$40.00  
Nitrogen and Phosphorus (N/P) containing pesticides..... \$150.00  
Chloroacetanilide Metabolites (CAAM) – 4 compounds ..... \$125.00  
Nitrogen and Phosphorus containing pesticides + Chloroacetanilide Metabolites (NP/CAAM)..... \$216.00  
Neonicotinoid Insecticides..... \$220.00

**PHARMACEUTICALS AND PERSONAL CARE PRODUCTS (PPCP)** .....\$220.00

*A screening tool used to identify compounds unique to human use. Can indicate human wastewater (septic) impacts on a well or surface water body.*

**SOURCE TRACING COMPOUNDS (CAAM and PPCP)** .....\$335.00

*This package can help identify sources of contamination. The presence of CAAMs can indicate agricultural impacts, while PPCPs unique to human use can indicate impacts from septic or wastewater effluent.*

**WATER & ENVIRONMENTAL ANALYSIS LAB**

DNR Certification No. 750040280      DATCP Certification No. 115097-D3

**CERTIFICATIONS FOR NON-POTABLE WELL WATER** – *alkalinity, ammonia, chemical oxygen demand, chloride, chlorophyll- $\alpha$ , total hardness, Total Kjeldahl nitrogen, metals, nitrate + nitrite, total organic carbon, orthophosphate, total phosphorus, total dissolved solids, total suspended solids, total residue.*

**CERTIFICATIONS FOR POTABLE WATER**

Nitrate + Nitrite –N

Bacteria – coliform and *E. coli* (Quanti-tray, Colilert, or Colilert-18)

**For sampling instructions and bottles contact:**

715-346-3209 or Toll Free 877-383-8378

E-mail : [weal@uwsp.edu](mailto:weal@uwsp.edu)

Web Site <https://www3.uwsp.edu/cnr-ap/weal>

All data generated from private wells is maintained in a WEAL database for providing assistance to homeowners.



Wisconsin DNR State Certification #750040280, DATCP #115097

**ANALYTICAL TESTING AVAILABLE**



Alkalinity.....	14.00
Chemical Oxygen Demand..	22.00
Chlorophyll- <i>a</i> .....	34.00
Chloride .....	22.00
Conductivity.....	13.00
Fluoride (ISE).....	23.00
pH.....	13.00
Corrosivity Index.....	38.00
Total Hardness.....	14.00
Turbidity.....	14.00

**Bacteria**

Coliform/ <i>E. coli</i> (present/absent) .....	29.00
Coliform/ <i>E. coli</i> MPN (count).....	40.00

**Nitrogen**

Ammonium .....	22.00
Nitrate+Nitrite (N).....	24.00
Organic Nitrogen (TKN-NH <sub>4</sub> ) .....	50.00
Total Kjeldahl Nitrogen .....	28.00
Total Nitrogen (TKN + (NO <sub>2</sub> + NO <sub>3</sub> ) ...	52.00

**Phosphorus**

Soluble Reactive.....	22.00
Total Phosphorus.....	28.00

**Solids**

Suspended Sediment (SS) ....	21.00
Total Dissolved (TDS) .....	18.00
Total Suspended (TSS) .....	21.00

**Organic Carbon**

Total.....	33.00
Dissolved .....	33.00

**Nutrient Packages**

Total Kjeldahl Nitrogen and Total Phosphorus.....	51.00
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Soluble Reactive Phosphorus  
and Ammonium .....

Nitrate + Nitrite (N)  
and Chloride.....

*Other packages listed on reverse.*

**TRACE METALS by ICP – DISSOLVED OR DIGESTED \***

Metal analyses are \$28/per element (see reverse side for packages).

Aluminum	Lead (screen)
Arsenic (Screen)	Magnesium
Barium	Manganese
Beryllium	Nickel
Boron	Potassium
Cadmium	Selenium
Calcium	Silver
Chromium	Sulfur (as Sulfate)
Cobalt	Sodium
Copper	Zinc
Iron	



*Hands-on education  
for UWSP students:  
the next generation  
of environmental  
scientists.*

**\*Digestion Fee (for total metal analysis on a water sample)**

Aqueous Digestion (SW-846 Method 3020) .....	14.00
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## DISCOUNTED PACKAGES

HOMEOWNER PACKAGE \$68	METAL PACKAGE (A) \$60 Individual metals are \$28/ element	METAL PACKAGE (B) \$60
Coliform Bacteria Nitrate + Nitrite (N) pH Alkalinity Total Hardness Chloride Conductivity Corrosivity Index	Arsenic (Screen) Calcium Copper Iron Lead (screen) Magnesium Manganese Potassium Sodium Sulfur (as Sulfate) Zinc	Aluminum Barium Beryllium Boron Cadmium Chromium Cobalt Nickel Selenium Silver

RIVER PACKAGE \$113	LAKE A PACKAGE \$206	LAKE B PACKAGE \$106	LAKE C PACKAGE \$99
Ammonium Chloride Nitrate + Nitrite (N) Reactive Phosphorus Total Kjeldahl Nitrogen Total Phosphorus Total Suspended Solids	Ammonium, Alkalinity, Calcium, Chloride, Conductivity, Magnesium, Nitrate + Nitrite (N), pH, Potassium, Reactive Phosphorus, Sodium, Total Hardness by Calculation, Total Kjeldahl Nitrogen, Total Phosphorus, Turbidity, Sulfur (as Sulfate)	Ammonium Chloride Conductivity Nitrate + Nitrite (N) Reactive Phosphorus Total Kjeldahl Nitrogen Total Phosphorus	Chlorophyll-a Nitrate + Nitrite (N) Total Phosphorus Total Kjeldahl Nitrogen

## ORGANIC COMPOUND ANALYSES

PESTICIDES	
Diaminochlorotriazine (DACT Screen) (a breakdown of atrazine and related herbicides) .....	40.00
Nitrogen and Phosphorus (N/P) containing pesticides.....	150.00
Chloroacetanilide Herbicide Metabolites (CAAM) – 4 compounds.....	125.00
Nitrogen and Phosphorus + Chloroacetanilide Metabolites (NP/CAAM).....	216.00
Neonicotinoid Insecticides.....	220.00

PHARMACEUTICALS AND PERSONAL CARE PRODUCTS	
A list of compounds including artificial sweeteners, antibiotics, caffeine (indicators of human waste impacts) .....	220.00
SOURCE TRACING COMPOUNDS (CAAM AND PPCP)	
This package can help identify sources of contamination. The presence of CAAMs can indicate agricultural impacts, while PPCPs can indicate impacts from septic or wastewater effluent. ....	335.00

*Normal turnaround time for the above analyses is 2 to 6 weeks depending on sample complexity.*