

What Is Your Well Water Telling You?

Contaminant	Potential Health Effects	Sources of Contaminant in Drinking Water	Preservation Guide & Holding Time	Home Well Analysis Prices
Antimony	Increase in blood cholesterol; decrease in blood sugar	Discharge from petroleum refineries; fire retardants; ceramics; electronics; solder.	1000 mL Plastic 4 day holding time	\$24.00
Arsenic	Skin damage or problems with circulatory systems, and may have increased risk of getting cancer	Erosion of natural deposits; runoff from orchards; runoff from glass & electronic production wastes.	1000 mL Plastic 4 day holding time	\$24.00
Barium	Increase in blood pressure	Discharge of drilling wastes; discharge from metal refineries; erosion of natural deposits.	1000 mL Plastic 4 day holding time	\$17.00
Beryllium	Intestinal lesions	Discharge from metal refineries and coal burning factories; discharge from electrical, aerospace, and defense industries.	1000 mL Plastic 4 day holding time	\$24.00
Cadmium	Kidney damage	Corrosion of galvanized pipes; erosion of natural deposits; discharge from metal refineries; runoff from waste batteries and paints.	1000 mL Plastic 4 day holding time	\$24.00
Chromium	Allergic dermatitis	Discharge from steel and pulp mills; erosion of natural deposits.	1000 mL Plastic 4 day holding time	\$17.00
Copper	Short term exposure: Gastrointestinal distress.	Corrosion of household plumbing systems; erosion of natural deposits.	1000 mL Plastic 4 day holding time	\$24.00
Cyanide (as free cyanide)	Nerve damage or thyroid problems.	Discharge from steel/metal factories; discharge from plastic and fertilizer factories.	500 mL w/ NAOH >2 14 days holding time	\$24.00
Fluoride	Bone disease (pain and tenderness of the bone); Children may get mottled teeth.	Water additive which promotes strong teeth; erosion of natural deposits; discharge from fertilizer and aluminum factories.	125mL No preservative 28 day holding time	\$17.00
Iron		Bitter astringent taste of iron; brownish color to laundered clothing and stains plumbing fixtures with a characteristic rust color.	1000 mL Plastic 4 day holding time	\$17.00
Lead	Infants and children: Delays in physical or mental development; children could show slight deficits in attention span and learning abilities.	Corrosion of household plumbing systems; erosion of natural deposits.	1000 mL Plastic 4 day holding time	\$24.00
Mercury	Kidney damage	Erosion of natural deposits; discharge from refineries and factories; runoff from landfills and croplands.	1000 mL Plastic 4 day holding time	\$40.00
Nitrates (measured as Nitrogen)	Infants below the age of six months who drink water containing nitrate levels greater than 10 mg/L, could become seriously ill and, if untreated may die. Symptoms include shortness of breath and blue-baby syndrome.	Run off from fertilizer use; leaching from septic tanks, sewage; erosion of natural deposits.	100mL Plastic (No bottle) No Preservative 48 hours	\$15.00
Nitrite (measured as Nitrogen)	Infants below the age of six months who drink water containing nitrite levels greater than 1 mg/L, could become seriously ill and, if untreated may die. Symptoms include shortness of breath and blue-bay syndrome	Run off from fertilizer use; leaching from septic tanks, sewage; erosion of natural deposits.	100mL Plastic (No bottle) No Preservative 48 hours	\$15.00
Selenium	Hair or fingernail loss; numbness in finger or toes; circulatory problem	Discharge from petroleum refiners; erosion of natural deposits; discharge from mines.	1000 mL Plastic 4 day holding time	\$24.00
Thallium	Hair loss; changes in blood; kidney, intestine, or liver problems.	Leaching from ore processing sites; discharge from electronics, glass and drug factories.	1000 mL Plastic 4 day holding time	\$24.00

Symptoms & Concerns For Your Well	Potential Health Effects	Source of Contaminants in Drinking Water and Recommended Testing	Preservation Guide & Holding Time	Home Well Analysis Prices
"Hard" water	Large amount of soap required to form suds; Insoluble soap curd on dishes and fabrics; Hard scaly deposit in pipes and water heaters	Calcium, magnesium, manganese, and iron (may be in the form of bicarbonates, carbonates, sulfates or chlorides). Recommended testing: Hardness Test.	1000 mL Plastic 4 day holding time	Hardness as Calcium & Magnesium \$34.00 Sulfate \$15.00 Chloride \$15.00
Rusty colored water	Rust stains on clothing and porcelain plumbing fixtures; Metallic taste to water; Rust coating in toilet tank; Water turns rust colored after exposure to air.	Iron or manganese or iron bacteria. Recommended testing: Manganese, Iron, and Iron Bacteria	100mL Plastic (No bottle) No Preservative 48 hours	Iron \$17.00 Iron Bacteria \$18.00 Manganese \$17.00
"Rotten egg" odor	Iron or copper parts of pumps, pipes and fixtures corroded; Fine black particles in water (commonly called black water); Silverware turns black.	Hydrogen sulfide gas, sulfate-reducing bacteria, or sulfur bacteria. Recommended testing: Hydrogen Sulfide and sulfate.	100mL Plastic (No bottle) No Preservative 48 hours	Sulfate \$15.00 Hydrogen Sulfide \$35.00
Chemical odor of gasoline, fuel oil	Well near abandoned fuel oil tank; gas station.	Leaking underground storage tank. Recommended testing: Volatile Organic chemical scan or specific fuel components.	GRO Water/Wastewater 3 x 40 mL 0.5mL 50% HCl 14 day holding time	Volatile Organic Compounds by GC \$120.00
Recurrent Gastro-intestinal illness	Recurrent gastro-intestinal illness in persons drinking the water.	Cracked well casing; cross connection with septic system. Recommended testing: Bacteria (Coliform test) nitrate testing.	100mL Sterile container None preserved (unless pre chlorinated) 30 hour holding time	Colilert \$17.00 Coliform E.coli \$17.00
Sodium restricted diet, salty brackish, or bitter taste	Well near seawater, road salt storage site or heavily salt roadway.	Saltwater intrusion; groundwater contamination. Recommended testing: Chloride, sodium, total dissolved solids (TDS).	1000 mL Plastic 4 day holding time	Sodium \$17.00 Chloride \$15.00 Total Dissolved Solids \$17.00