

## Geauga County Department of Water Resources

### List of Laboratory Services

Tests will be performed by using bottles supplied by GCDWR only.

Payment is required at the time the bottle is picked up, there are no refunds for bottles purchased.

There is a \$2.00 additional charge if you want the lab to call you with the results.

Drinking Water Tests			
Code	Name	Description	Cost
31501	Total Coliform Bacteria	This test is the most common test, especially among new homeowners with well water. If any coliform bacteria is found in the drinking water, chlorinating the well is usually recommended. This test also determines if E. Coli is present.	\$25.00
31505	Total Coliform MPN	This test is the most common test, especially among new homeowners with well water. If any coliform bacteria is found in the drinking water, chlorinating the well is usually recommended. This quantifies any bacteria found in well.	\$35.00
31648	E.Coli	The presence of this bacteria indicates contamination of the well and may pose an immediate health risk.	\$30.00
00410	Alkalinity	Measures the ability of the water to neutralize acids.	\$20.00
00940	Chloride	Can be naturally occurring. May cause an off taste and is detrimental to plants.	\$25.00
50060	Chlorine Residual (Cl <sub>2</sub> )	Determines the amount of chlorine left in the water from a public system or after well chlorination.	\$10.00
01043	Copper (Cu)	Not naturally occurring, is usually related to corrosive water. May leave blue or green stains.	\$25.00
00900	Hardness	Determines the amount of calcium and magnesium present.	\$15.00
01045	Iron (Fe)	Iron is naturally occurring and leaves orange stains.	\$20.00
01051	Lead	Not naturally occurring and does not leave stains. It is usually related to corrosive water leaching lead from lead pipes, lead fixtures, and lead solder.	\$25.00
01055	Manganese (Mn)	Manganese occurs naturally. It will leave black stains or little pieces of black grit.	\$20.00
615	Nitrite	Produced naturally in the breakdown of ammonia. High levels in the human body could be toxic.	\$20.00
00620	Nitrate	Produced naturally in the breakdown of ammonia. High levels in the human body could be toxic.	\$20.00
00400	pH	Determines how acidic or basic the water is. Normal range is 6.5-8.2 in drinking water.	\$10.00
01038	Potassium	An essential element in humans but may cause health risks in certain individuals when injected in excess.	\$20.00
74023	Stability	Determines the corrosivity or scale forming tendencies of the water.	\$25.00
01032	Sulfate	Occurs naturally in drinking water. May contribute to unpleasant smell and taste.	\$20.00
70300	Total Dissolved Solids	The amount of dissolved minerals that cannot be removed by a filter.	\$20.00
DRILL	Well Drilling	This group of tests, when taken once before drilling begins and once when drilling is finished, may tell you if your water has been affected. Please call in advance	\$150.00

## Wastewater Tests

Code	Name	Description	Cost
00610	Ammonia	This is a byproduct of human waste. It is reduced in the process of a wastewater treatment plant or septic system.	\$25.00
00410	Alkalinity	This measures the ability of the wastewater to neutralize acids.	\$20.00
00310/80082	BOD/CBOD	Determines the amount of oxygen consumed over a 5 day period which indicates the functionality of the wastewater treatment system.	\$30.00
01028	Cadmium	Not naturally occurring, is usually related to corrosive water - is TOXIC	\$20.00
50060	Chlorine Residual (Cl <sub>2</sub> )	Determines the amount of chlorine left in the wastewater before discharging to receiving streams	\$10.00
01029	Chromium	Not naturally occurring, is usually related to corrosive water - is TOXIC	\$20.00
00300	Dissolved Oxygen	Determines the amount of dissolved oxygen in water or wastewater	\$5.00
31648	E. Coli	Determines the amount of E. coli that is in water or wastewater	\$30.00
31616	Fecal Coliform	Determines the amount of fecal bacteria in water or wastewater	\$30.00
71900	Group of Metals	Cadmium, Copper, Chromium, Lead, Nickel, Zinc	\$120.00
00900	Hardness	Determines the amount of calcium and magnesium present.	\$15.00
01068	Nickel	Not naturally occurring, if found is usually related to corrosive water.	\$20.00
00620	Nitrate/Nitrite	Produced naturally in the breakdown of ammonia. High levels in the human body could be toxic.	\$20.00
00556	Oil & Grease	Determines the amount of grease and oil.	\$55.00
00400	pH	Determines how acidic or basic the wastewater is. Normal range is 6.5-8.2 in wastewater.	\$10.00
00665	Phosphorus (TPO <sub>4</sub> )	If present in abundance, weeds will grow wildy and choke the water ways. It uses up a large amount of oxygen leading to fish and aquatic deaths.	\$30.00
00530	Suspended Solids	This is the portion of wastewater retained by a filter.	\$20.00
00625	TKN	Total Kjeldahl Nitrogen - measures the amount of organic nitrogen and ammonia in wastewater.	\$40.00
70300	Total Dissolved Solids	The amount of dissolved minerals that cannot be removed by a filter.	\$20.00
00531	VSS	Volatile Suspended Solids - measures the portion of suspended solids lost after ignition at 550°C.	\$20.00
01092	Zinc	Abundant earth metal, if found is usually related to corrosive water.	\$20.00