



Water Quality

Data Table & Test Results Calendar Year 2022

WHERE DO WE GET OUR WATER?

Our underground water is pumped from eight wells drawing from the massive sand of the lower Tuscaloosa Aquifer.

SOURCE WATER PROTECTION

The source water assessment has been completed for our public water system to identify potential sources of contamination and determine the overall susceptibility of the drinking water supply. Susceptibility assessment has been completed and all wells have ranked moderate by the MDEQ for vulnerability to contamination.

CONTACT US

As a valued customer, we want you to be informed about your water utility. If you have any questions, please contact Customer Service with Columbus Light & Water at 662-328-7192, Monday through Friday from 8:00 a.m. to 4:30 p.m.

WATER QUALITY

All sources of drinking water are subject to potential contamination by substances that are naturally occurring or man-made. These substances can be microbes, inorganic or organic chemical and radioactive substances. All drinking water, including bottled water, may reasonably be expected to contain at least small amounts of contaminants. The presence of contaminants does not necessarily indicate that the water poses a health risk. More information about contaminants and potential health effects can be obtained by calling the Environmental Protection Agency's Safe Drinking Water Hotline at 1-800-426-4791.

TESTING

The Columbus Light & Water Department routinely monitors for constituents in your drinking water according to Federal and Mississippi state laws. This table shows the results of our monitoring for the period of January 1st to December 31st, 2022. In cases where monitoring wasn't required in 2022, the table reflects the most recent results. As you can see by the table, our system had no violations. We're proud that your drinking water meets or exceeds all Federal and state requirements. We have learned through our monitoring and testing that some constituents have

been detected, however the EPA has determined that your water is safe at these levels.

Additional Information for Lead

If present, elevated levels of lead can cause serious health problems, especially for pregnant women and young children. Lead in drinking water is primarily from materials and components associated with service lines and home plumbing. Columbus Light & Water is responsible for providing high quality drinking water, but cannot control the variety of materials used in plumbing components. When your water has been sitting for several hours, you can minimize the potential for lead exposure by flushing your tap for 30 seconds to 2 minutes before using water for drinking or cooking. If you are concerned about lead in your water, you may wish to have your water tested. Information on lead in drinking water, testing methods, and steps you can take to minimize exposure is available from the Safe Drinking Water Hotline or at <http://www.epa.gov/safewater/lead>. The Mississippi State Department of Health Public Health Laboratory offers lead testing for \$10 per sample. Please contact 601-576-7582 if you wish to have your water tested.

Additional Information for Fluoridation

To comply with the "Regulation Governing Fluoridation of Community Water Supplies", COLUMBUS LIGHT & WATER is required to report certain results pertaining to fluoridation of our water system. The number of months in the previous calendar year in which average fluoride sample results were within the optimal range of 0.6 – 1.2 parts per million (ppm) was 11. The percentage of fluoride samples collected in the previous calendar year that was within the optimal range of 0.6 - 1.2 ppm was 86%. The number of months samples were collected and analyzed in the previous calendar year was 11.

Note: This system adds fluoride to your drinking water to help prevent and reduce cavities and improve overall oral health. Supply-chain issues have limited or prevented this water system's ability to obtain fluoride on a regular basis. The data presented above only reflects the months when this water system added fluoride to your drinking water.



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EXPLANATION OF REASONS FOR MONITORING UNREGULATED CONTAMINANTS

Unregulated contaminants are those for which EPA has not established drinking water standards. The purpose of unregulated contaminants monitoring is to assist EPA in determining the occurrence of unregulated contaminants in drinking water and whether future regulation is warranted.

SPECIAL POPULATIONS

Some people may be more vulnerable to contaminants in drinking water than the general population. Immuno-compromised persons such as persons with cancer undergoing chemotherapy, persons who have undergone organ transplants, people with HIV/AIDS or other immune system disorders, some elderly and infants can be particularly at risk from infections. These people should seek advice about drinking water from their health care providers. EPA/CDC guidelines on appropriate ways to lessen the risk of infection by cryptosporidium and other microbiological contaminants are available from the Safe Drinking Water Hotline: 1-800-426-4791.

CONTAMINATE	VIOLATION Y/N	DATE COLLECTED	LEVEL DETECTED	RANGE	MCL	LIKELY SOURCE OF CONTAMINATION
DISINFECTION BYPRODUCTS						
Chlorine	N	2022	2.0 RAA 2.00 mg/L	1.80 - 2.20 mg/L	4.0 mg/L	Water additive used to control microbes
Total Haloacetic Acids (HAA5)	N	2022	2.41 ppb		60 ppb	Byproduct of drinking water disinfection
INORGANIC CHEMICALS						
Barium	N	2022	0.0138 ppm	0.0078 - 0.0138 ppm	2 ppm	Discharge of drilling wastes; discharge from metal refineries; erosion of natural deposits
Fluoride	N	2022	0.801 ppm	0.0689 - 0.801 ppm	4 ppm	Water additive which promote strong teeth; erosion of natural deposits; discharge from fertilizer & aluminum factories
Lead	N	2021	1 ppm		15 ppm	Corrosion of household plumbing systems; erosion of natural deposits
Sodium	N	2022	2.69 ppm	1.93 - 2.60 ppm	120 ppm	Naturally occurring runoff; erosion from natural deposits
RADIOACTIVE CONTAMINANTS						
Combined Radium	N	2019	2.32 pCi		5 pCi/L	Erosion from natural deposits
UNREGULATED CONTAMINANTS						
HAA5	N	2019	0.78 ppb	0.31 - 0.78 ppb	None	Byproduct of drinking water disinfection
HAA6Br	N	2019	0.53 ppb	0 - 0.53 ppb	None	Byproduct of drinking water disinfection
HAA9	N	2019	1.31 ppb	0.31 - 1.31 ppb	None	Byproduct of drinking water disinfection
Manganese	N	2019	0.57 ppb	0.42 - 0.57 ppb	None	Naturally occurring element

MCL = maximum containment level | ppm = parts per million
ppb = parts per billion | mg/L = milligrams per liter | RAA = Running Annual Average | pCi/L = picocuries per liter