

General Information

All drinking water, including bottled water, may reasonably be expected to contain at least small amounts of some contaminants. The presence of contaminants does not necessarily indicate that water poses a health risk.



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 (1-800-426-4791) or from EPA's website at www.epa.gov/safewater/lead.

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36093

Maximum Contaminant Levels (MCLs - defined in the List of Definitions in this report) are set at very stringent levels. To understand the possible health effects described for many regulated constituents, a person would have to drink 2 liters of water every day at the MCL level for a lifetime to have a one-in-a-million chance of having the described health effect.

The sources of drinking water (both tap water and bottled water) include rivers, lakes, streams, ponds, reservoirs, springs, and wells. As water travels over the surface of the land or through the ground, it dissolves naturally occurring minerals and radioactive material, and it can pick up substances resulting from the presence of animals or from human activity.

Contaminants that may be present in source water include:

- Microbial contaminants, such as viruses and bacteria, which may come from sewage treatment plants, septic systems, agricultural livestock operations, and wildlife.
- Inorganic contaminants, such as salts and metals, which can be naturally occurring or result from urban storm water run-off, industrial or domestic wastewater discharges, oil and gas production, mining, or farming.
- Pesticides and herbicides, which may come from a variety of sources such as agriculture, storm water run-off, and residential uses.
- Organic chemical contaminants, including synthetic and volatile organic chemicals, which are by-products of industrial processes and petroleum production, and can also come from gas stations, urban storm water runoff, and septic systems.
- Radioactive contaminants, which can be naturally occurring or be the result of oil and gas production and mining activities.

In order to ensure that tap water is safe to drink, EPA prescribes regulations which limit the levels of certain contaminants in water provided by public water systems. Food and Drug Administration (FDA) regulations establish limits for contaminants in bottled water.

Based on a study conducted by ADEM with the approval of the EPA a statewide waiver for the monitoring of asbestos and dioxin was issued. Thus, monitoring for these contaminants was not required.

Information about Lead

Lead in drinking water is rarely found in source water but is primarily from materials and components associated with service lines and home plumbing. Your water system is responsible for providing high quality drinking water, but cannot control the variety of materials used in plumbing components.

If present, elevated levels of lead can cause serious health problems, especially for pregnant women and young children. Use only water from the cold-water tap for drinking, cooking, and especially for making baby formula. Hot water is more likely to cause leaching of lead from plumbing materials. 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. These recommended actions are very important to the health of your family. Lead levels in your drinking water are likely to be higher if:

- Your home or water system has lead pipes, or
- Your home has faucets or fittings made of brass which contains some lead, or
- Your home has copper pipes with lead solder and you have naturally soft water, and
- Water often sits in the pipes for several hours.

2024 Annual Water Quality Report

(Testing Performed January through December 2023)

HOLTVILLE WATER SYSTEM

PWSID AL0000540
10048 Holtville Road
Deatsville, AL 36022
Phone 334-569-2105
holtyllewater.com

We are pleased to present to you this year's Annual Water Quality Report. Our drinking water supply surpassed the strict regulations of the Alabama Department of Environmental Management (ADEM) and the U. S. Environmental Protection Agency (EPA), which requires all water suppliers to prepare and distribute reports like this one every year.

Primary Source	Purchased, pretreated water from Five Star Water Supply (surface water from Lake Jordan)
Secondary Sources	City of Wetumpka, Elmore Water, Alabama Dept. of Corrections
Emergency Connections	City of Wetumpka and Elmore Water Authority
Storage Capacity	Six tanks with a total capacity of 1,617,000 gal.
Number of Customers	Approximately 3000

Source Water Assessment

In compliance with the Alabama Department of Environmental Management (ADEM), Source Water Assessment Plans have been developed by the water systems that supply your drinking water. These plans assist in protecting our water sources. The plans provide additional information such as potential sources of contamination and a Susceptibility Analysis, which classifies potential contaminants as high, moderate, or non-susceptible to contaminating the water source. It was determined that the Five Star potential contamination sources are at low risk. Please call our office to find out how to review a copy of any of these Plans, or you may obtain a copy for a minimal reproduction fee.

Please help us make this effort worthwhile by protecting our source water. Carefully follow instructions on pesticides and herbicides you use for your lawn and garden, and properly dispose of household chemicals, paints and waste oil.

Questions

If you have any questions about this report or concerning your water utility, please contact Greg Welch at 334-569-2105. We want our valued customers to be informed about their water utility. If you want to learn more, please attend any of our regularly scheduled meetings. They are held on the first Thursday bi-monthly at 6 p.m. at Holtville Water System office (10048 Holtville Road).

More information about contaminants to drinking water and potential health effects can be obtained by calling the EPA's Safe Drinking Water Hotline at (1-800-426-4791).

HOLTVILLE WATER SYSTEM

10048 Holtville Road
Deatsville, AL 36022



OEL Exceedance 2022: Based on Stage 2 Disinfection Byproduct (DBP) monitoring results from the first three quarters of 2022, Holtville Water System exceeded the Operational Evaluation Level (OEL) of 80 ug/L for total trihalomethanes (TTHM) at one sampling site, with an OEL calculation result of 84.0 ug/L. An OEL exceedance is not a MCL violation, but rather, it is a prediction or early warning that the MCL for disinfection byproducts may be exceeded in the future. The purpose of the calculation is to alert of potential problems so that preventative measures may be taken.

Upon receiving notice of an OEL exceedance, we performed an OEL evaluation report as required. The evaluation report included information about treatment, storage, and distribution system practices, including any changes that may have affected DBP levels. The report also identified steps we take currently or that we plan to take to reduce disinfection byproduct levels.

The results of our TTHM monitoring for the fourth quarter of 2022 were lower and brought our OEL well below the OEL exceedance level. If you have questions about the OEL exceedance or this report, please contact Greg Welch at 334-569-2105.

Monitoring Schedule and Results

The Holtville Water System and Five Star Water District *routinely* monitor for constituents in your drinking water according to Federal and State laws. Federal and State laws allow us to monitor some contaminants less than once per year because the concentrations do not change frequently. This report contains results from the most recent monitoring which was performed in accordance with the regulatory schedule.

Constituent Monitored		Holtville		Five Star	
Inorganic Contaminants		2022	2023	Monthly	Monthly
Lead/Copper					
Microbiological Contaminants					
Nitrates				2023	
Radioactive Contaminants					2022
Synthetic Organic Contaminants (including pesticides and herbicides)					2022
Volatile Organic Contaminants					2022
Disinfection By-products				2023	2023
Cryptosporidium					2017
PFAS Contaminants					2023

* Level Detected is 90th percentile of sample sites.

FIVE STAR WATER DISTRICT DETECTED DRINKING WATER CONTAMINANTS					
Contaminants	Violation Y/N	Level Detected	Unit Msmt.	MCLG	MCL
Copper	NO	0.230 *	ppm	1.3	AL=1.3
Total Trihalomethanes (TTHM)	NO	LRRA 61.8	ppb	0	80
Range 49.3-75.1					
Halocacetic acids (HAA5)	NO	LRRA 29.0	ppb	0	60
Range 9.40-41.8					

* Level Detected is 90th percentile of sample sites.

Contaminants	Violation	Level Detected	Unit Msmt.	MCLG	MCL	Likely Source of Contamination
Turbidity	NO	0.09	NTU	none	TT	Soil runoff (Measure of cloudiness of the water)
Total Organic Carbon	NO	0.86-1.68	ppm	none	TT	Soil runoff
Arsenic	NO	0.54	ppb	n/a	10	Erosion; runoff from orchards and glass & electronics production
Barium	NO	0.03	ppm	2	2	Drilling wastes; metal refineries discharge; erosion
Chromium	NO	1.1	ppb	100	100	Discharge from steel and pulp mills; erosion
Copper	NO	0.009 *	ppm	1.3	AL=1.3	Corrosion of household plumbing; erosion; leaching from wood preservatives
Fluoride	NO	0.44	ppm	4	4	Erosion; water additive for tooth health; factory waste
Nitrate (as Nitrogen)	NO	0.11	ppm	10	10	Fertilizer run-off; septic tank leaching; sewage; erosion
Total Trihalomethanes (TTHM)	NO	18.2-45.5	ppb	0	80	By-product of drinking water chlorination
Halocacetic acids (HAA5)	NO	1.60-42.4	ppb	0	60	By-product of drinking water chlorination

Contaminant	MCLG	MCL	Detected	Abbreviation	Contaminant	MCLG	MCL	Detected					
11CHP3ODS	11-chlorotrihexadecane-1-sulfonic acid	--	--	PFDoA	Perfluorodecanoic acid	--	--	ND					
9CIP3ONS	9-chlorohexadecafluoro-3-oxanone-1-sulfonic acid	--	--	PFPhA	Perfluorobehanoic acid	--	--	0.011-0.019					
ADONA	4,8-dioxa-3H-perfluorononanoic acid	--	--	PFHxS	Perfluorohexanesulfonic acid	0.010	0.010	0.011-0.019					
HFO-DA	Hexafluoropropylene oxide dimer acidA	0.010	0.010	PFNA	Perfluorononanoic acid	0.010	0.010	ND					
NEFOSAA	N-ethyl/perfluorooctanesulfonamidoacetic acid	--	--	PFOA	Perfluorooctanesulfonic acid	0	0.004	0.0093-0.022					
NMeOSAA	N-methyl/perfluorooctanesulfonamidoacetic acid	--	--	PFTeDA	Perfluorotetradecanoic acid	--	--	0.010-0.017					
PFBs	Perfluorobutanesulfonic acid	--	--	PFTrDA	Perfluoroundecanoic acid	--	--	ND					
PFDA	Perfluorodecanoic acid	--	--	PFUnA	Perfluoroundecanoic acid	--	--	ND					
PFHxA	Perfluorohexanoic acid	--	--	PFAs containing 2 or more of PFHxS, PFNA, HFPO-DA, & PFBS were assigned MCLs of 1 (unitless)									
Note: In April 2024, the EPA finalized a Primary Drinking Water Regulation establishing individual MCLGs and MCLs for five (5) PFAS contaminants, please refer to www.epa.gov/pfas .													
PFOSA, PFOS, PFHxA, PFNA, & HFPO-DA Mixtures containing Calcium, As, Chloride, Zinc, pH, Hardness, Odor, Nickel, Magnesium, Sulfate, Corrosivity, Total Dissolved Solids													

Below is a table of contaminants for which the Environmental Protection Agency and the Alabama Department of Environmental Management require testing. These contaminants were not detected in your drinking water unless they are also listed in the Detected Drinking Water Contaminants table elsewhere in this report.

STANDARD LIST OF PRIMARY DRINKING WATER CONTAMINANTS								
Contaminant	MCL	Unit of Msmt	Contaminant	MCL	Unit of Msmt	Contaminant	MCL	Unit of Msmt
Bacteriological Contaminants			trans-1,2-Dichloroethylene	100	ppb	Dichloromethane	5	ppb
Total Coliform Bacteria			<5%	present/absent		Di(2-ethylhexyl)adipate	5	ppb
Fecal Coliform and E. coli			0	present/absent		Di(2-ethylhexyl)phthalate	400	ppb
Turbidity		monthly	NTU	NTU		Calc. organisms/l	6	ppb
Cryptosporidium			NTU	NTU		Dinoseb	7	ppb
Radiological Contaminants						Dioxin [2,3,7,8-TCDD]	30	ppq
Beta/photon emitters						Dioxin [2,3,7,8-TCDD]	15	mrem/yr
Alpha emitters						Diquat	15	pCi/l
Combined radium						Endothall	5	pCi/l
Uranium						Endrin	30	pCi/l
Inorganic Chemicals						Epichlorohydrin	2	ppb
Antimony						Epichlorohydrin	TT	ppb
Arsenic						Ethylenedibromide	700	ppb
Asbestos						Glyphosate	50	ppt
Barium						MFL	7	ppb
Beryllium						Heptachlor	400	ppm
Cadmium						Heptachlor epoxide	200	ppb
Chromium						Hexachlorobenzene	5	ppb
Copper						Hexachlorocyclopentadiene	100	ppb
Cyanide						Indane	AL=1.3	ppm
Fluoride						Methoxychlor	200	ppb
Lead						Octamethylcyclotriphosphazene	4	ppm
Mercury						Polychlorinated biphenyls	AL=15	ppb
Nitrate						Picloram	2	ppb
Selenium						Styrene	10	ppm
Thallium						Tetrachloroethylene	.05	ppm
Organic Contaminants						Toluene	.002	ppm
2,4-D						Toxaphene	3	ppb
Acrylamide						2,4,5-T (Silver)	50	ppb
Alachlor						1,2,4-Trichlorobenzene	2	ppb
Benzene						1,1,1-Trichloroethane	5	ppb
Benz(a)pyrene [PAHs]						200	ppb	
Carbofuran						Chloroform	40	ppb
Carbon tetrachloride						Chloroethylene	5	ppb
Chlordane						Chloroform	5	ppb
Chlorobenzene						Chloroform	200	ppb
Dalapon						Chlorine Dioxide	800	ppb
Dibromoethane						Chloramines	1000	ppb
1,2-Dichlorobenzene (para)						Bromate	75	ppb
o-Dichlorobenzene						Chlorite	600	ppb
1,2-Dichloroethane						HAAs [Total haloacetic acids]	5	ppb
1,1-Dichloroethylene						TTTHM [Total trihalomethanes]	7	ppb
cis-1,2-Dichloroethylene						Chloroform	70	ppb
Naturally occurring or from runoff or industrial discharge						Chloroform	4	ppm
Naturally occurring or from runoff or industrial discharge						Chloroform	800	ppb
Naturally occurring or from runoff or industrial discharge						Chloroform	4	ppm
Naturally occurring or from runoff						Chloroform	10	ppm
Naturally occurring or from runoff						Chloroform	1	ppm
Naturally occurring or from water treatment						Chloroform	60	ppb
Erosion						Chloroform	80	ppb