

76 Railroad Street
Munford, AL 36268

Munford Water Authority, Inc.
P.O. Box 92

MCL's are set at very stringent levels. To understand the possible health effects described for many regulated contaminants, 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.

A MESSAGE FROM THE BOARD

Thank you for allowing us to for understanding. We at The continue providing your family with Munford Water Authority, Inc. clean, quality water this year. In works around the clock to provide top order to maintain a safe and quality water to every tap. We ask dependable water supply we that all our customers help us protect sometimes need to make our water sources, which are the heart improvements that will benefit all of of our community, our way of life our customers. These improvements and our children's future. are sometimes reflected as rate structure adjustments. Thank you

Last year, as in years past, your tap water met all U.S. Environmental Protection Agency (EPA) and the Alabama Department of Environmental Management (ADEM) drinking water health standards. Your Local Water officials vigilantly safeguard its water supplies and once again we are proud to report that our system has not violated a maximum contaminant level or any other water quality standards.

We're pleased to present to you this year's Annual Drinking Water Quality Report. This report is designed to inform you about the quality water and services we deliver to you every day. Our constant goal is to provide you with a safe and dependable supply of drinking water. We want you to understand the efforts we make to continually improve the water treatment process and protect our water resources. We are committed to ensuring the quality of your water.

The majority of your water comes from our Carter Street well, which produces 150 gallons per minute and our new Stephens Street well at 550 gallons per minute. The Knox Aquifer is the source for both wells. Oxford Water is from the Knox Group, Shady Dolomite Aquifer. We are both required to add chlorine for disinfecting. Both Munford and Oxford have provided water testing data.

Level 1 Assessment: "A Level 1 assessment is a study of the water system to identify potential problems and determine (if possible) why total Coliform bacteria have been found in our water system."

Level 2 Assessment: "A Level 2 assessment is a very detailed study of the water system to identify potential problems and determine (if possible) why an *E. coli* MCL violation has occurred and/or why total Coliform bacteria have been found in our water system on multiple occasions."

To ensure that tap water is safe to drink, EPA prescribes regulations that limit the amount of certain contaminants in water provided by public water systems. FDA regulations establish limits for contaminants in bottled water. Exposure to lead in drinking water can cause serious health effects in all age groups. Infants and children can have decreases in IQ and attention span. Lead exposure can lead to new learning and behavior problems or exacerbate existing learning and behavior problems. The children of women who are exposed to lead before or during pregnancy can have increased risk of these adverse health effects. Adults can have increased risks of heart disease, high blood pressure, kidney, or nervous system problems.

<p>The Munford Water Authority, Inc. routinely monitors for contaminants in your drinking water according to Federal and State laws. This table shows the results of our monitoring for the period of January 1st to December 31st, 2024. 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. More information about contaminants and potential health effects can be obtained by calling the Environmental Protection Agency's Safe Drinking Water Hotline (800-426-4791).</p>	
<p>The Munford Water Authority, Inc. utilizes a Bacteriological Monitoring Plan, and a Cross Connection Policy is in place to insure good safe drinking water for our customers. The Munford Water Authority, Inc. has completed a Source Water Assessment Plan which is available for review at their office. A Source Water Assessment Plan provides information about potential sources of contamination and is set up to help protect our source.</p>	<p>Any Questions?</p> <p>Please attend our regularly scheduled meetings for 2025!</p> <p>January 16, March 20, May 15, July 17, September 18, November 20. All meetings are held at 6:30 pm in the MWA office.</p>

Table of Primary Contaminants									The table below lists all of the drinking water contaminants that we detected during the calendar year of this report. The presence of contaminants in the water does not necessarily indicate that the water poses a health risk. Unless otherwise noted, the data presented in this table is from testing done in the calendar year of the report. The EPA or ADEM requires us to monitor for certain contaminants at least once per year because the concentrations of these contaminants do not change frequently.									
At high levels some primary contaminants are known to pose a health risk to humans. This table provides a quick glance of any primary contaminant detections.																		
CONTAMINANT	MCL	AMOUNT DETECTED	CONTAMINANT	MCL	AMOUNT DETECTED	CONTAMINANT	MCL	AMOUNT DETECTED										
Bacteriological			Selenium(ppb)	50	ND	Epichlorohydrin	11	ND	Table of Detected Drinking Water Contaminants									
Total Coliform Bacteria	< 5%	ND	Thallium(ppb)	2	ND	Ethylbenzene(ppb)	700	ND										
Turbidity	11	0.06	Organic Chemicals			Ethylene dibromide(ppb)	50	ND										
Fecal Coliform & E. coli	0	ND	Acrylamide	11	ND	Glyphosate(ppb)	700	ND	CONTAMINANT	MCLG	MCL	Range	Munford	Oxford	Amount Detected	Likely Source of Contaminant		
Radiological			Alachlor(ppb)	2	ND	Haloacetic Acids(ppb)	60	ND										
Beta/photon emitters (mrem/yr)	4	ND	Atrazine(ppb)	3	ND	Heptachlor(ppb)	400	ND	Bacteriological Contaminants									
Alpha emitters (pCi/l)	15	ND	Benzene(ppb)	5	ND	Heptachlor epoxide(ppb)	200	ND	Total Coliform Bacteria	0	< 5%		ND	ND	Present or Absent	Naturally present in environment		
Combined radium (pCi/l)	5	ND	Benz(a)pyrene[PHAs]	200	ND	Hexachlorobenzene(ppb)	1	ND	Turbidity	0	11		ND	0.057	NTU	Soil runoff		
Uranium(pCi/l)	30	ND	Carbofuran(ppb)	40	ND	Hexachlorocyclopentadiene(ppb)	50	ND	Radiological Contaminants									
Inorganic			Carbon Tetrachloride(ppb)	5	ND	Lindane(ppb)	200	ND	Alpha emitters	0	15		ND	ND	pCi/L	Erosion of natural deposits		
Antimony (ppb)	6	ND	Chlordane(ppb)	2	ND	Methoxychlor(ppb)	40	ND	Beta particle and photon	0	4		ND	ND	mrem/yr	Decay of natural and man-made deposits		
Arsenic (ppb)	10	ND	Chlorobenzene(ppb)	100	ND	Oxamyl [Vydate](ppb)	200	ND	Combined Radium 226 & 228	0	5		ND	ND	pCi/L	Erosion of natural deposits		
Asbestos (MFL)	7	ND	2,4-D	70	ND	penta-chlorophenol(ppb)	1	ND	Inorganic Contaminants									
Barium (ppm)	2	0.02	Dalapon(ppb)	200	ND	Picloram(ppb)	500	ND	Barium	2	2	ND	-	ND	ND	0.016	ppm	Discharge of drilling wastes;
Beryllium (ppb)	4	ND	Dibromochloropropane(ppb)	200	ND	PCBs(ppb)	500	ND										
Bromate(ppb)	10	ND	0-Dichlorobenzene(ppb)	600	ND	Simazine(ppb)	4	ND										
Cadmium (ppb)	5	ND	p-Dichlorobenzene(ppb)	75	ND	Styrene(ppb)	100	ND										
Chloramines(ppm)	4	ND	1,2-Dichloroethane(ppb)	5	ND	Tetrachloroethylene(ppb)	5	0.18										
Chlorine(ppm)	4	1.60	1,1-Dichloroethylene(ppb)	7	0.22	Toluene(ppm)	1	ND										
Chlorine dioxide(ppb)	800	ND	Cis-1,2-Dichloroethylene(ppb)	70	ND	TOC	11	1.20										
Chlorite(ppm)	1	ND	trans-1,2-Dichloroethylene(ppb)	100	ND	THM(ppb)	80	2.40										
Chromium (ppb)	100	ND	Dichloromethane(ppb)	5	ND	Toxaphene(ppb)	3	ND										
Copper (ppm)	AL=1.3	ND	1,2-Dichloropropane(ppb)	5	ND	2,4,5-TP [Silvex](ppb)	50	ND										
Cyanide (ppb)	200	ND	Di-(2-ethylhexyl)adipate(ppb)	400	ND	1,2,4-Trichlorobenzene(ppb)	70	ND										

Fluoride (ppm)	4	ND	Di(2-ethylhexyl)phthalates(ppb)		ND	1,1,1-Trichloroethane(ppb)	200	ND	Chlorine	MRDLG 4	MRDL 4	1.26	-	1.35	1.35	1.6	ppm	discharge from metal refineries; erosion of water and use of wood preservatives
Lead (ppb)	AL=15	ND	Dibates(ppb)	7	ND	1,1,2-Trichloroethane(ppb)	5	ND										
Mercury (ppb)	2	ND	Dioxin[2,3,7,8-TCDD] (ppb)	30	ND	Trichloroethylene(ppb)	5	5.18										
Nitrate (ppm)	10	1.10	Diquat(ppb)	20	ND	Vinyl Chloride(ppb)	2	ND										
Nitrite (ppm)	1	ND	Endosulf(ppb)	100	ND	Xylenes(ppm)	10	ND	Copper	1.3	10 Sites AL=1.3	No. of Sites above action level 0			ND	0.094	ppm	Corrosion of household plumbing systems; erosion of natural deposits; leaching from wood preservatives
Total Nitrate & Nitrite	10	1.10	Endrin(ppb)	2	ND													
Table of Secondary and Unregulated Contaminants																		
Secondary Drinking Water Standards are guidelines regulating contaminants that may cause cosmetic effects (such as skin or tooth discoloration) or aesthetic effects (such as taste, odor, or color) in drinking water. ADEM has Secondary Drinking Water Standards established in state regulations applicable to water systems required to monitor for the various components. Unregulated contaminants are those for which EPA has not established drinking water standards. The purpose of unregulated contaminant monitoring is to assist EPA in determining the occurrence of unregulated contaminants in drinking water and whether future regulation is warranted.																		
CONTAMINANT	MCL	DETECT	CONTAMINANT	MCL	DETECT	CONTAMINANT	MCL	DETECT	Lead	0	10 Sites AL=15	No. of Sites above action level 0			ND	ND	ppb	Corrosion of household plumbing systems; erosion of natural deposits
Secondary																		
Aluminum	0.2	ND	Foaming Agents	0.5	ND	Silver	7	ND										
Chloride	250	6.00	Iron	0.3	ND	Sulfate	70	ND										
Color (PCU)	15	ND	Magnesium	75	ND	Total Dissolved Solids	500	119	Nitrate (as N)	10	10	ND	-	ND	ND	1.1	ppm	Runoff from fertilizer use; leaching from septic tanks, sewage; erosion of natural deposits
Copper	1	ND	Odor (T.O.N.)	5	ND	Zinc	5	ND										
Special																		
Calcium	N/A	ND	pH (SU)	N/A	8.40	Temperature (°C)	N/A	ND										
Carbon Dioxide	N/A	ND	Sodium	N/A	3.40	Total Alkalinity	N/A	ND	Total Nitrate & Nitrite	10	10	ND	-	ND	ND	1.1	ppm	Runoff from fertilizer use; leaching from septic tanks, sewage; erosion of natural deposits
Manganese	0.05	ND	Specific Conductance (umhos)	N/A	ND	Total Hardness (as CaCO3)	N/A	130										
Unregulated																		
1,1 - Dichloropropene	N/A	ND	Bromobenzene	N/A	ND	Hexachlorobutadiene	N/A	ND										
1,1,2,2-Tetrachloroethane	N/A	ND	Bromochloromethane	N/A	ND	Isopropylbenzene	N/A	ND	Organic Contaminants									
1,1-Dichloroethane	N/A	ND	Bromodichloromethane	N/A	2.80	M-Dichlorobenzene	N/A	ND	Haloacetic Acids (HAA5)	0	60	ND	-	ND	ND	14.80	ppb	By-product of drinking water chlorination
1,2,3 - Trichlorobenzene	N/A	ND	Bromoform	N/A	ND	Methomyl	N/A	ND										
1,2,3 - Trichloropropane	N/A	ND	Bromomethane	N/A	ND	Metolachlor	N/A	ND										
1,2,4 - Trimethylbenzene	N/A	ND	Batachlor	N/A	ND	Metribuzin	N/A	ND										
1,2,4-Trichlorobenzene	N/A	ND	Carbaryl	N/A	ND	MTBE	N/A	ND	Total Organic Carbon (TOC)	N/A	TT	ND	-	ND	ND	1.20	TT	Naturally present in the environment
1,3 - Dichloropropane	N/A	ND	Chloroethane	N/A	ND	N - Butylbenzene	N/A	ND										
1,3 - Dichloropropene	N/A	ND	Chlorodibromomethane	N/A	ND	Naphthalene	N/A	ND										
1,3,5 - Trimethylbenzene	N/A	ND	Chloroform	N/A	6.60	N-Propylbenzene	N/A	ND										
2,2 - Dichloropropane	N/A	ND	Chloromethane	N/A	ND	O-Chlorotoluene	N/A	ND	Total trihalomethanes (TTHM)	0	80	ND	-	2.40	2.40	7.25	ppb	By-product of drinking water chlorination
3-Hydroxy-carbofuran	N/A	ND	Dibromochloromethane	N/A	ND	P-Chlorotoluene	N/A	ND										
Aldicarb	N/A	ND	Dibromomethane	N/A	ND	P-Isopropyltoluene	N/A	ND										
Aldicarb Sulfone	N/A	ND	Dichlorodifluoromethane	N/A	ND	Propachlor	N/A	ND										
Aldicarb Sulfoxide	N/A	ND	Dieldrin	N/A	ND	Sec - Butylbenzene	N/A	ND	Unregulated Contaminants									
Aldrin	N/A	ND	Fluorotrichloromethan	N/A	ND	Tert - Butylbenzene	N/A	ND	Bromodichloromethane	N/A	N/A	ND	-	ND	ND	2.80	ppb	Naturally occurring in the environment or as a result of industrial discharge or agricultural runoff; by-product of chlorination
PFAS Compounds																		
CONTAMINANT	RESULTS	UNITS	CONTAMINANT	RESULTS	UNITS	CONTAMINANT	RESULTS											
11Cl-PF3OUdS	ND	ug/L	Perfluorodecanoic Acid	ND	ug/L	Perfluorooctanoic Acid	0.0034											
9Cl-PF3ONS	ND	ug/L	Perfluorohexanoic Acid	0.0018	ug/L	Perfluorotetradecanoic Acid	ND											
ADONA	ND	ug/L	Perfluorododecanoic Acid	ND	ug/L	Perfluorotridecanoic Acid	ND	ug/L										
HFPO-DA	ND	ug/L	Perfluoroheptanoic Acid	ND	ug/L	Perfluoroundecanoic Acid	ND	ug/L										
NEIFOSAA	ND	ug/L	Perfluorohexanesulfonic Acid	0.0029	ug/L	Total PFAs	0.012	ug/L										
NMeFOSAA	ND	ug/L	Perfluorononanoic Acid	ND	ug/L			ug/L										
Perfluorobutanesulfonic Acid	0.0044	ug/L	Perfluorooctanesulfonic Acid	0.0066	ug/L			ug/L										