

# 2022 Annual Drinking Water Quality Report

**WARRIOR RIVER WATER AUTHORITY      PWSID AL0000763**

8900 Lock 17 Road

Bessemer, Alabama 35023

Phone (205) 491-7721      Fax (205) 491-7738

The Warrior River Water Authority is governed by a Board of Directors. Board Members are: Butch Wilson, Chuck Vickers, Kent Byram. The day to day operations of the Authority are overseen by General Manager, Greylan Glaze and Assistant General Manager, Lee Kelley.

Board meetings are held the first Tuesday of each month at the Warrior River Water Authority's office, located at 8900 Lock 17 Road, at 6:30 pm unless otherwise posted.

## **Is my water safe?**

Last year, as in years past, **your tap water met all U.S. Environmental Protection Agency (EPA) and state drinking water health standards.** The Warrior River Water Authority vigilantly safeguards its water supplies, and once again we are proud to report that **our system has not violated any water quality standard.** Due to a lab reporting error, WRWA did incur a reporting violation for PFA's due to a late sample submission. It was not a water quality issue.

## **Do I need to take special precautions?**

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/Centers for Disease Control (CDC) guidelines on appropriate means to lessen the risk of infection by Cryptosporidium and other microbial contaminants are available from the Safe Water Drinking Hotline (800) 426-4781

## **Where does my water come from?**

The Warrior River Water Authority is comprised of groundwater, (wells), and surface water which is taken from the Warrior River. We have 2 wells producing from the Fort Payne/Tuscumbia Aquifer that supply water to part of the McCalla area. The Warrior River Water Filter Plant supplies water to the rest of the service area from the Mulberry Fork of the Warrior River. The groundwater (wells) are treated with chlorine and monitored continuously. The surface water is treated with a coagulant, bleach, chlorine dioxide, caustic soda, fluoride and a phosphate then settled and filtered. The Warrior River Water Authority has an inter-connection agreement with the Bessemer Water System for emergency situations.

## **Source Water Assessment**

The Warrior River Water Authority has developed a Source Water Assessment plan that will assist in protecting our water sources from contamination. It includes a susceptibility analysis which classifies potential contaminants as high, moderate, or non-susceptible. The assessment has been performed and approved by ADEM. All potential contamination sites in our assessment area were classified as low susceptibility to contaminating our water source.

A copy of this report may be obtained by written request for a nominal fee. Please help us make this effort worthwhile by protecting our source water. Carefully follow instructions on pesticides and herbicides, and properly dispose of household chemicals, paints, and waste oil.

### **Why are there contaminants in my drinking water?**

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 (EPA) Safe Drinking Water Hotline (800-426-4791). 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, in some cases, radioactive material, and can pick up substances resulting from the presence of animals or from human activity. Microbial contaminants, such as viruses and bacteria, may come from sewage treatment plants, septic systems, agricultural livestock operations, and wildlife. Inorganic contaminants, such as salts and metals, can be naturally-occurring or result from urban storm water runoff, industrial, or domestic wastewater discharges, oil and gas production, mining, or farming. Pesticides and herbicides may come from a variety of sources such as agriculture, urban storm water runoff, and residential uses. Organic Chemical Contaminants, including synthetic and volatile organic chemicals, 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 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 that limit the amount of certain contaminants in water provided by public water systems. Food and Drug Administration (FDA) regulations establish limits for contaminants in bottled water which must provide the same protection for public health.

### **Educational Statement 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. The Warrior River Water Authority 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>.

Based on a study conducted by the Alabama Department of Environmental Management with the approval of the EPA a statewide waiver for the monitoring of Asbestos and Dioxin was issued. Thus, monitoring for any of these contaminants was not required.

### **Important Drinking Water Terms**

**MCLG:** Maximum Contaminant Level Goal: The level of a contaminant in drinking water below which there is no known or expected risk to health. MCLGs allow for a margin of safety.

**MCL:** Maximum Contaminant Level: The highest level of a contaminant that is allowed in drinking water. MCLs are set as close to the MCLGs as feasible using the best available treatment technology.

**TT:** Treatment Technique: A required process intended to reduce the level of a contaminant in drinking water.

**MRDLG:** Maximum residual disinfection level goal. The level of a drinking water disinfectant below which there is no known or expected risk to health. MRDLGs do not reflect the benefits of the use of disinfectants to control microbes

**MRDL:** Maximum residual disinfectant level. There is convincing evidence that addition of a disinfectant is necessary for control of microbial contaminants.

**AL:** Action Level. The concentration of a contaminant that triggers treatment or other requirements a water system shall follow.

### **For more information**

**Warrior River Water  
Attn: Todd Hicks  
523 Belcher Ferry Rd  
Bessemer, Al 35023**

**Phone: 205-436-3532  
Fax: 205-491-7738**

**For on-line payments, frequently asked questions, or to check your account, go to:**

**[www.warriorriverwater.com](http://www.warriorriverwater.com)**

## Table of Primary Drinking Water Contaminants

The table below lists all of the drinking water contaminants that were tested for during the calendar year of this report. **Contaminants included in this table were not necessarily found in your drinking water.** Unless otherwise noted, the data presented in this table is from testing done in the calendar year of the report. The EPA or the State requires us to monitor for certain contaminants less than once per year because the concentrations of these contaminants do not change frequently.

Contaminants (units)	MCLG	MCL	Amount Detected	Major Sources
<b>BACTERIOLOGICAL</b>				
Total Coliform Bacteria	0	<5%	0	Human and animal fecal waste.
Turbidity	NA	TT	0.3	Soil runoff.
Fecal Coliform and <i>E. Coli</i>	0	0	0	Human and animal fecal waste.
i. <i>E. coli</i>	0	TT	0	Human and animal fecal waste.
ii. Enterococci	None	TT		Human and animal fecal waste.
iii. Coliphage	None	TT		Human and animal fecal waste.
GWR TT Violations	None	TT	0	Human and animal fecal waste.
<b>RADIOLOGICAL</b>				
Beta/photon emitters (mrem/yr)	0	4		Decay of natural and man-made deposits
Alpha emitters (pCi/l)	0	15	1.0+/-0.8	Erosion of natural deposits.
Combined radium (pCi/l)	0	5	0.0+/-0.7	Erosion of natural deposits.
Uranium	0	30 pCi/L		Erosion of natural deposits.
<b>INORGANIC CHEMICALS</b>				
Viruses, <i>Giardia</i>	0	TT		Human and animal fecal waste.
<i>Legionella</i>	0	TT		Found naturally in water, multiplies in heating systems
Antimony	6 ppb	6 ppb	<0.010	Discharge from petroleum refineries; fire retardants; ceramics; electronics; solder.
Arsenic	0	10 ppb	<0.0010	Erosion of natural deposits; Runoff from orchards; Runoff from glass and electronic production
Asbestos (MFL)	7	7		Decay of asbestos cement water mains; Erosion of natural deposits.
Barium	2	2 ppm	0.028	Discharge of drilling wastes and metal refineries; Erosion of natural deposits.
Beryllium	4 ppb	4 ppb	<0.00010	Discharge from metal and coal-burning refineries, electrical, aerospace, defense industries
Bromate	NA	10 ppb	<0.50	By-product of drinking water chlorination
Cadmium	5 ppb	5 ppb	<0.0030	Corrosion of galvanized pipes; Erosion of natural deposits; Discharge from metal refineries; Runoff from waste batteries and paints.
Chloramines	NA	4 ppm		Water additive used to control microbes.
Chlorine	NA	4 ppm	3.6	Water additive used to control microbes.
Chlorine Dioxide	NA	800 ppb	490	Water additive used to control microbes.
Chlorite	NA	1 ppm	0.96	By-product of drinking water chlorination
Chromium	100 ppb	100 ppb	<0.0060	Discharge from steel and pulp mills; Erosion of natural deposits.
Copper	1.3	AL=1.3 ppm	0.16	Corrosion of household plumbing systems; Erosion of natural deposits; Leaching from wood deposits.
Cyanide	200 ppb	200 ppb	<0.010	Discharge from steel/metal factories; Discharge from plastic and fertilizer factories.
Fluoride	4	4 ppm	0.61	Water additive which promotes strong teeth; Erosion of natural deposits; Discharge from fertilizer and aluminum factories.
Lead	0	AL=15 ppb	<0.0010	Corrosion of household plumbing systems; Erosion of natural deposits; Leaching from
Magnesium			15.8	
Mercury	2 ppb	2 ppb	<0.00020	Erosion of natural deposits; Discharge from refineries and factories; Runoff from landfills; Runoff from crop land.
Nickel			<0.0050	
Nitrate	10	10 ppm	0.54	Runoff from fertilizer use; Leaching from septic tank sewage; Erosion of natural deposits.
Nitrite	1	1 ppm	<0.10	Runoff from fertilizer use; Leaching from septic tank sewage; Erosion of natural deposits.
Total Nitrate and Nitrite	NA	10 ppm	0.31	
Selenium	50 ppb	50 ppb	<0.0010	Discharge from petroleum and metal refineries; Erosion of natural deposits; Discharge from mines.
Thallium	0.5 ppb	2 ppb	<0.0010	Leaching from ore-processing sites; Discharge from electronics, glass, and drug factories.
<b>ORGANIC CHEMICALS</b>				
Acrylamide	0	TT		Added to water during sewage/wastewater treatment.
Alachlor	0	2 ppb	<0.0010	Runoff from herbicide used on row crops.
Atrazine	3 ppb	3 ppb	<0.0010	Runoff from herbicide used on row crops.
Benzene	0	5 ppb	<0.00050	Discharge from factories; Leaching from gas storage tanks and landfills.
Benzo(a)pyrene [PAHs]	0	200 ppt	<0.0001	Leaching from linings of water storage tanks and distribution lines.
Carbon tetrachloride	0	5 ppb	<0.00050	Discharge from chemical plants and other industrial activities.
Chlorobenzene	100 ppb	100 ppb	<0.00050	Discharge from chemical and agricultural chemical factories.

Dalapon	200 ppb	200 ppb	<0.00200	Runoff from herbicide used on rights of way.
Dibromochloropropane	0	200 ppt	<0.00001	Runoff/leaching from soil fumigant used on soybeans, cotton, pineapples and orchards.
o-Dichlorobenzene	600 ppb	600 ppb	<0.00050	Discharge from industrial chemical factories.
p-Dichlorobenzene	75 ppb	75 ppb	<0.00050	Discharge from industrial chemical factories.
1,2-Dichloroethane	0	5 ppb	<0.00050	Discharge from industrial chemical factories.
1,1-Dichloroethylene	7 ppb	7 ppb	<0.00050	Discharge from industrial chemical factories.
cis-1,2-Dichloroethene	70 ppb	70 ppb	<0.00050	Discharge from industrial chemical factories.
trans-1,2-Dichloroethene	100 ppb	100 ppb	<0.00050	Discharge from industrial chemical factories.
Dichlorodifluoromethane	0	5 ppb	<0.00050	Discharge from pharmaceutical and chemical factories.
1,2-Dichloropropane	0	5 ppb	<0.00050	Discharge from industrial chemical factories.
Di (2-ethylhexyl) adipate	400 ppb	400 ppb	<0.0020	Discharge from chemical factories.
Di (2-ethylhexyl) phthalates	0	6 ppb	<0.0020	Discharge from rubber and chemical factories.
Dioxin [2,3,7,8-TCDD]	0	30 ppq		Emissions from waste incineration and other combustion;Discharge from chemical factories.
Endothall	100 ppb	100 ppb	<0.05	Runoff from herbicide use.
Epichlorohydrin	0	TT		Discharge from industrial chemical factories;Added to water during treatment process; An impurity of some water treatment chemicals.
Ethylbenzene	700 ppb	700 ppb	<0.00050	Discharge from petroleum refineries.
Ethylene dibromide	0	50 ppt		Discharge from petroleum refineries.
Glyphosate	700 ppb	700 ppb	<0.25	Runoff from herbicide use.
HAA5 (haloacetic acids 5)	NA	60 ppb	28.5	By-product of drinking water disinfection.
Hexachlorobenzene	0	1 ppb	<0.00050	Discharge from metal refineries and agricultural chemical factories.
Hexachlorocyclopentadiene	50 ppb	50 ppb	<0.01000	Discharge from chemical factories.
Lindane	200 ppt	200 ppt		Runoff/leaching from insecticide used on cattle, lumber, gardens.
Methoxychlor	40 ppb	40 ppb	<0.00200	Runoff/leaching from insecticide used on fruits, vegetables, alfalfa, livestock.
Oxamyl [Vydate]	200 ppb	200 ppb	<0.020	Runoff/leaching from insecticide used on apples, potatoes, tomatoes
Pentachlorophenol	0	1 ppb	<0.0001	Discharge from wood preserving factories.
Picloram	500 ppb	500 ppb	<0.0020	Herbicide runoff.
Polychlorinated biphenyls (PCBs)	0	500 ppt		Runoff from landfills;Discharge of chemical wastes.
Simazine	4 ppb	4 ppb	<0.0020	Herbicide runoff.
Styrene	100 ppb	100 ppb	<0.00050	Discharge from rubber and plastic factories;Leaching from landfills.
Tetrachloroethane	0	5 ppb	<0.00050	Leaching from PVC pipes;Discharge from factories and dry cleaners.
Toluene	1	70-130%	100%	Discharge from petroleum factories.
TOC (Total Organic Carbon)	NA	TT	1.5	Naturally present in the environment.
TTHM	NA	80 ppb	43.6	By-product of drinking water chlorination.
(Total trihalomethanes)				
Toxaphene	0	3 ppb	<0.00100	Runoff/leaching from insecticide used on cotton and cattle.
2,4,5-TP (Silvex)	50 ppb	50 ppb	<0.0001	Residue of banned herbicide.
1,2,4-Trichlorobenzene	70 ppb	70 ppb	<0.00050	Discharge from textile finishing factories.
1,1,1-Trichloroethane	200 ppb	200 ppb	<0.00050	Discharge from metal degreasing sites and other factories.
1,1,2-Trichloroethane	3 ppb	5 ppb	<0.00050	Discharge from industrial chemical factories.
Trichloroethene	0	5 ppb	<0.00050	Discharge from metal degreasing sites and other factories.
Vinyl Chloride	0	2 ppb	<0.00050	Leaching from PVC piping;Discharge from plastics factories.
Xylenes	10	10 ppm	<0.00050	Discharge from petroleum factories;Discharge from chemical factories.

#### **Units Description:**

NA: Not applicable

ND: Not detected

NR: Not reported

AL: Action Level

MCL: Maximum Contaminant Level

MCLG: Maximum Contaminant Level Goal

MFL: Million Fibers per Liter (mf/l)

mg/l: milligrams per liter (mg/l)

ppm: parts per million, or milligrams per liter (mg/L)

ppb: parts per billion, or micrograms per liter (µg/L)

ppq: parts per quadrillion or picograms per liter

ppt: parts per trillion or nanograms per liter

mrem/yr: millirems per year (a measure of radiation absorbed by the body)

pCi/l: picocuries per liter (a measure of radioactivity)

TT: Treatment Technique

NTU: Nephelometric Turbidity Units. Turbidity is a measure of the cloudiness of the water. We monitor it because it is a good indicator of the effectiveness of our filtration system.

## Table of Detected Contaminants

The table below lists all of the regulated 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 the State requires us to monitor for certain contaminants less than once per year because the concentrations of these contaminants do not change frequently.

Contaminants (units)	MCLG	MCL	Amount Detected	Major Sources
<b>BACTERIOLOGICAL</b>				
Total Coliform Bacteria	0	<5%	0	Human and animal fecal waste.
Turbidity	NA	TT	0.3	Soil runoff.
E Coli			0	Human and animal fecal waste.
<b>RADIOLOGICAL</b>				
Beta/ photon emitters (pCi/l)	0	4		Decay of natural and man-made deposits
Alpha emitters (pCi/l)	0	15	0.0+/-0.5	Erosion of natural deposits.
Combined radium (pCi/l)	0	5	0.5+/-0.7	Erosion of natural deposits.
<b>INORGANIC CHEMICALS</b>				
Aluminum			0.093	
Antimony	6 ppb	6 ppb	<0.010	Discharge from petroleum refineries;fire retardants;ceramics;electronics;solder.
Arsenic	0	50 ppb	<0.0010	Erosion of natural deposits;Ronoff from orchards;Runoff from glass and electronic production
Asbestos (MFL)	7	7		Decay of asbestos cement water mains;Erosion of natural deposits.
Barium	2	2 ppm	0.028	Discharge of drilling wastes and metal refineries;Erosion of natural deposits.
Beryllium	4 ppb	4 ppb	<0.00010	Discharge from metal and coal-burning refineries, electrical, aerospace, defense industries
Cadmium	5 ppb	5 ppb	<0.0030	Corrosion of galvanized pipes;Erosion of natural deposits;Discharge from metal refineries; Runoff from waste batteries and paints.
Chlorine	NA	4 ppm	3.6	Water additive used to control microbes.
Chlorine Dioxide	NA	800 ppb	490	Water additive used to control microbes.
Chlorite	NA	1 ppm	0.96	By-product of drinking water chlorination
Chromium	100 ppb	100 ppb	<0.0060	Discharge from steel and pulp mills;Erosion of natural deposits.
Copper	1.3	AL=1.3 ppm	0.16	Corrosion of household plumbing systems;Erosion of natural deposits;Leaching from wood deposits.
Cyanide	200 ppb	200 ppb	<0.010	Discharge from steel/metal factories;Discharge from plastic and fertilizer factories.
Fluoride	4	4 ppm	0.61	Water additive which promotes strong teeth;Erosion of natural deposits;Discharge from fertilizer and aluminum factories.
Lead	0	AL=15 ppb	<0.0010	Corrosion of household plumbing systems;Erosion of natural deposits;Leaching from
Magnesium			15.8	
Manganese	0.05	0.05	<0.0050	
Mercury	2 ppb	2 ppb	<0.00020	Erosion of natural deposits;Discharge from refineries and factories;Runoff from landfills; Runoff from crop land.
Nitrate	10	10 ppm	0.54	Runoff from fertilizer use;Leaching from septic tank sewage;Erosion of natural deposits.
Nitrite	1	1 ppm	<0.10	Runoff from fertilizer use;Leaching from septic tank sewage;Erosion of natural deposits.
Total Nitrate and Nitrite	NA	10 ppm	0.31	
Selenium	50 ppb	50 ppb	<0.0010	Discharge from petroleum and metal refineries;Erosion of natural deposits;Discharge from mines.
Sulfate	5.0	500	105	Runoff/Leaching from natural deposits; industrial waste.
Thallium	0.5 ppb	2 ppb	<0.0010	Leaching from ore-processing sites;Discharge from electronics, glass, and drug factories.
<b>ORGANIC CHEMICALS</b>				
Acrylamide	0	TT		Added to water during sewage/wastewater treatment.
Alachlor	0	2 ppb	<0.0010	Runoff from herbicide used on row crops.
Atrazine	3 ppb	3 ppb	<0.0010	Runoff from herbicide used on row crops.
Benzene	0	5 ppb	<0.00050	Discharge from factories;Leaching from gas storage tanks and landfills.
Benzo(a)pyrene [PAHs]	0	200 ppt	<0.0001	Leaching from linings of water storage tanks and distribution lines.
Bromodichloromethane			0.0087	
Carbon tetrachloride	0	5 ppb	<0.00050	Discharge from chemical plants and other industrial activities.
Chlorobenzene	100 ppb	100 ppb	<0.500	Discharge from chemical and agricultural chemical factories.
Chloroform			0.0013	
Dalapon	200 ppb	200 ppb	<0.0020	Runoff from herbicide used on rights of way.
Dibromochloropropane	0	200 ppt		Runoff/leaching from soil fumigant used on soybeans, cotton, pineapples and orchards.
o-Dichlorobenzene	600 ppb	600 ppb		Discharge from industrial chemical factories.
p-Dichlorobenzene	75 ppb	75 ppb		Discharge from industrial chemical factories.

1,2-Dichloroethane	0	5 ppb	<0.00050	Discharge from industrial chemical factories.
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cis-1,2-Dichloroethene	70 ppb	70 ppb	<0.00050	Discharge from industrial chemical factories.
trans-1,2-Dichloroethene	100 ppb	100 ppb	<0.00050	Discharge from industrial chemical factories.
Dibromochloromethane	0.500 ppb		0.0023	Discharge from pharmaceutical and chemical factories.
1,2-Dichloropropane	0	5 ppb	<0.00050	Discharge from industrial chemical factories.
Di (2-ethylhexyl) adipate	400 ppb	400 ppb	<0.0020	Discharge from chemical factories.
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Endothall	100 ppb	100 ppb	<0.05	Runoff from herbicide use.
Epiclorohydrin	0	TT		Discharge from industrial chemical factories;Added to water during treatment process; An impurity of some water treatment chemicals.
Ethylbenzene	700 ppb	700 ppb	<0.00050	Discharge from petroleum refineries.
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Toluene	1	70-130%	100%	Discharge from petroleum factories.
TOC (Total Organic Carbon)	NA	TT	1.5	Naturally present in the environment.
TTHM(Total Trihalomethane)	0	80 ppb	43.6	By-product of drinking water chlorination.
Toxaphene	0	3 ppb	<0.00100	Runoff/leaching from insecticide used on cotton and cattle.
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Vinyl Chloride	0	2 ppb	<0.00050	Leaching from PVC piping;Discharge from plastics factories.
Xylenes	10	10 ppm	<0.00050	Discharge from petroleum factories;Discharge from chemical factories.

**Units Description:**

NA: Not applicable

ND: Not detected

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TT: Treatment Technique

NTU: Nephelometric Turbidity Units. Turbidity is a measure of the cloudiness of the water. We monitor it because it is a good indicator of the effectiveness of our filtration system.

## Water Quality Data Table

The table below lists all of the regulated 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 the State requires us to monitor for certain contaminants less than once per year because the concentrations of these contaminants do not change frequently.

Contaminants (units)	MCLG	MCL	Your Water	Range		Sample Date	Violation	Typical Source
				Low	High			
<b>Disinfectants &amp; Disinfection By-Products</b>								
Haloacetic Acids (HAA5) (ppb)	NA	60	28.5	6.6	71	2022	No	By-product of drinking water chlorination
Total Organic Carbon (ppm)	NA	NA	1.86	1.2	2.4	2022	No	Naturally present in the environment
Copper (ppm)	AL>1.3	AL>1.3	0.16	<.050	0.22	2022	No	Corrosion of household plumbing systems; erosion of natural deposits. Leaching from wood preservatives.
Lead (ppm)	AL>0.015	AL>0.015	<0.005	<0.005	<0.005	2022	No	
<b>Inorganic Contaminants</b>								
Aluminum			0.093	NA	NA	2022	No	
Barium	2.000	2.000	0.028	NA	NA	2022	No	Erosion of natural deposits.
Calcium, as Ca	0.500		27.00	NA	NA	2022	No	
Carbon Dioxide	NA	NA	11.50	NA	NA	2022	No	
Chloride, as Cl	250	250	18.30	NA	NA	2022	No	
Fluoride (ppm)	4	4	0.61	NA	NA	2022	No	Erosion of natural deposits; Water additive which promotes strong teeth; Discharge from fertilizer and aluminum factories
Magnesium			15.8	NA	NA	2022	No	
Manganese	0.05	0.05	<0.0050	NA	NA	2022	No	
Nitrate (ppm)	10	10	0.54	NA	NA	2022	No	Runoff from fertilizer use; Leaching from septic tanks, sewage; Erosion of natural deposits.
Sodium (ppm)	MNR	MNR	22.6	NA	NA	2022	No	
Zinc (ppm)	5	5	0.32	NA	NA	2022	No	
<b>Microbiological Contaminants</b>								
Turbidity (Conventional or Direct Filtration) (NTU) (in 95% of	NA	NA	0.3	NA	NA	2022	No	Soil runoff
<b>Unregulated Contaminants</b>								
Bromodichloromethane (ppb)	NA	NA	0.0087	NA	NA	2022	No	
Bromoform	NA	NA	<0.0010	NA	NA	2022	No	
Chloroform (ppb)	NA	NA	0.0013	NA	NA	2022	No	
Dibromochloromethane			0.0023	NA	NA	2022	No	
Dibromomethane(ppb)	NA	NA	<0.00050	NA	NA	2022	No	
Sulfate (ppm)	NA	NA	105	NA	NA	2022	No	Runoff/leaching from natural deposits: industrial waste
<b>Volatile Organic Contaminants</b>								
TTHMs [Total Trihalomethanes] (ppb)	NA	80	43.6	5.6	110	2022	No	By-product of drinking water chlorination.
<b>Radiological</b>								
Alpha emitters (pCi/l)	0	15	0.0+/-0.5	NA	NA	2017	No	Decay of natural and man-made deposits
Combined radium (pCi/l)	0	5	0.5+/-0.7					
Gross Alpha (pCi/L)	NA	NA	1.19±1.30			2021	No	
Radium-228 (pCi/L)	NA	NA	0.622±0.421			2021	No	

**Units Description:**

NA: Not applicable

ND: Not detected

NR: Not reported



AL: Action Level

MCL: Maximum Contaminant Level

MCLG: Maximum Contaminant Level Goal

MNR: Monitoring not required, but recommended.

ppm: parts per million, or milligrams per liter (mg/L)

ppb: parts per billion, or micrograms per liter ( $\mu\text{g/L}$ )

NTU: Nephelometric Turbidity Units. Turbidity is a measure of the cloudiness of the water. We monitor it because it is a good indicator of the effectiveness of our filtration system.