

# 2021 CERTIFICATION

Consumer Confidence Report (CCR)

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Central Yazoo Water Association Inc

PRINT Public Water System Name

082004, 0820029, 0820030, 0820031, 0820033

List PWS ID #s for all Community Water Systems included in this CCR

## CCR DISTRIBUTION (Check all boxes that apply)

INDIRECT DELIVERY METHODS (Attach copy of publication, water bill or other)	DATE ISSUED
<input checked="" type="checkbox"/> Advertisement in local paper (Attach copy of advertisement)	4/27/2022
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## CERTIFICATION

I hereby certify that the Consumer Confidence Report (CCR) has been prepared and distributed to its customers in accordance with the appropriate distribution method(s) based on population served. Furthermore, I certify that the information contained in the report is correct and consistent with the water quality monitoring data for sampling performed and fulfills all CCR requirements of the Code of Federal Regulations (CFR) Title 40, Part 141.151 - 155.

Polly Carter  
Name

Office Manager  
Title

5/5/2022  
Date

## SUBMISSION OPTIONS (Select one method ONLY)

You must email or mail a copy of the CCR, Certification, and associated proof of delivery method(s) to the MSDH, Bureau of Public Water Supply

**Mail:** (U.S. Postal Service)  
MSDH, Bureau of Public Water Supply  
P.O. Box 1700  
Jackson, MS 39215

**Email:** [water.reports@msdh.ms.gov](mailto:water.reports@msdh.ms.gov)

2021 Annual Drinking Water Quality Report  
 Central Yazoo Water Association, Inc.  
 PWS#: 0820004, 0820029, 0820030, 0820031 & 0820033  
 April 2022

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 2022 MAY 17 AM 7:26

We're pleased to present to you this year's Annual Quality Water Report. This report is designed to inform you about the quality of 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. Our water source is from wells drawing from the Sparta Sand and the Meridian Upper Wilcox Aquifer.

If you have any questions about this report or concerning your water utility, please contact Mike Laborde at 662.746.7531. We want our valued customers to be informed about their water utility. If you want to learn more, please attend the regular meetings scheduled for the second Monday of each month at 5:00 PM at the main office located at 37 Witherspoon Road, Yazoo City, MS 39194.

The source water assessment has been completed for our public water system to determine the overall susceptibility of its drinking water supply to identify potential sources of contamination. A report containing detailed information on how the susceptibility determinations were made has been furnished to our public water system and is available for viewing upon request. The wells for the Central Yazoo Water Association, Inc. have received lower to moderate susceptibility rankings to contamination.

We routinely monitor for contaminants in your drinking water according to Federal and State laws. This table below lists all of the drinking water contaminants that we detected during the period of January 1<sup>st</sup> to December 31<sup>st</sup>, 2021. In cases where monitoring wasn't required in 2021, the table reflects the most recent results. As water travels over the surface of land or underground, it dissolves naturally occurring minerals and, in some cases, radioactive materials and can pick up substances or contaminants from the presence of animals or from human activity; microbial contaminants, such as viruses and bacteria, that 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 runoff, 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, urban storm-water runoff, 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 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 that limit the amount of certain contaminants in water provided by public water systems. All drinking water, including bottled drinking water, may be reasonably expected to contain at least small amounts of some contaminants. It's important to remember that the presence of these constituents does not necessarily indicate that the water poses a health risk.

In this table you will find many terms and abbreviations you might not be familiar with. To help you better understand these terms we've provided the following definitions:

*Action Level* - the concentration of a contaminant which, if exceeded, triggers treatment or other requirements which a water system must follow.

*Maximum Contaminant Level (MCL)* - The "Maximum Allowed" (MCL) is 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.

*Maximum Contaminant Level Goal (MCLG)* - The "Goal"(MCLG) is 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.

*Maximum Residual Disinfectant Level (MRDL)* - The highest level of a disinfectant allowed in drinking water. There is convincing evidence that addition of a disinfectant is necessary to control microbial contaminants.

*Maximum Residual Disinfectant Level Goal (MRDLG)* - The level of a drinking water disinfectant below which there is no known or expected risk of health. MRDLGs do not reflect the benefits of the use of disinfectants to control microbial contaminants.

*Parts per million (ppm) or Milligrams per liter (mg/l)* - one part per million corresponds to one minute in two years or a single penny in \$10,000.

*Parts per billion (ppb) or Micrograms per liter* - one part per billion corresponds to one minute in 2,000 years, or a single penny in \$10,000,000.

PWS#:0820004		TEST RESULTS						
Contaminant	Violation Y/N	Date Collected	Level Detected	Range of Detects or # of Samples Exceeding MCL/ACL	Unit Measurement	MCLG	MCL	Likely Source of Contamination
<b>Inorganic Contaminants</b>								
10. Barium	N	2020*	.0075	No Range	ppm	2	2	Discharge of drilling wastes; discharge from metal refineries; erosion of natural deposits
13. Chromium	N	2020*	2.7	No Range	ppb	100	100	Discharge from steel and pulp mills; erosion of natural deposits
14. Copper	N	2018/20*	.1	0	ppm	1.3	AL=1.3	Corrosion of household plumbing systems; erosion of natural deposits; leaching from wood preservatives

16. Fluoride	N	2019*	6.11	.103 – 6.11	ppm	4	4	Erosion of natural deposits; water additive which promotes strong teeth; discharge from fertilizer and aluminum factories
17. Lead	N	2018/20*	1	0	ppb	0	AL=15	Corrosion of household plumbing systems, erosion of natural deposits
Sodium	N	2019*	75000	74000 - 75000	ppb	0	0	Road Salt, Water Treatment Chemicals, Water Softeners and Sewage Effluents.

### Disinfection By-Products

81. HAA5	N	2017*	14	No Range	ppb	0	60	By-Product of drinking water disinfection.
82. TTHM [Total trihalomethanes]	N	2019*	16.8	No Range	ppb	0	80	By-product of drinking water chlorination.
Chlorine	N	2021	1.3	1 – 1.8	mg/l	0	MDRL = 4	Water additive used to control microbes

\* Most recent sample. No sample required for 2021

### PWS#:0820029

### TEST RESULTS

Contaminant	Violation Y/N	Date Collected	Level Detected	Range of Detects or # of Samples Exceeding MCL/ACL	Unit Measurement	MCLG	MCL	Likely Source of Contamination
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### Inorganic Contaminants

10. Barium	N	2019*	.038	No Range	ppm	2	2	Discharge of drilling wastes; discharge from metal refineries; erosion of natural deposits
13. Chromium	N	2019*	.8	No Range	ppb	100	100	Discharge from steel and pulp mills; erosion of natural deposits
14. Copper	N	2018/20*	.2	0	ppm	1.3	AL=1.3	Corrosion of household plumbing systems; erosion of natural deposits; leaching from wood preservatives
16. Fluoride	N	2019*	.558	No Range	ppm	4	4	Erosion of natural deposits; water additive which promotes strong teeth; discharge from fertilizer and aluminum factories
17. Lead	N	2018/20*	2	0	ppb	0	AL=15	Corrosion of household plumbing systems, erosion of natural deposits
Sodium	N	2019*	78000	No Range	ppb	0	0	Road Salt, Water Treatment Chemicals, Water Softeners and Sewage Effluents.

### Disinfection By-Products

81. HAA5	N	2016*	6	No Range	ppb	0	60	By-Product of drinking water disinfection.
82. TTHM [Total trihalomethanes]	N	2016*	7.7	No Range	ppb	0	80	By-product of drinking water chlorination.
Chlorine	N	2021	1.4	.8 – 2	mg/l	0	MDRL = 4	Water additive used to control microbes

\* Most recent sample. No sample required for 2021.

### PWS#:0820030

### TEST RESULTS

Contaminant	Violation Y/N	Date Collected	Level Detected	Range of Detects or # of Samples Exceeding MCL/ACL	Unit Measurement	MCLG	MCL	Likely Source of Contamination
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### Inorganic Contaminants

10. Barium	N	2021	.0013	No Range	ppm	2	2	Discharge of drilling wastes; discharge from metal refineries; erosion of natural deposits
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14. Copper	N	2018/20*	.1	0	ppm	1.3	AL=1.3	Corrosion of household plumbing systems; erosion of natural deposits; leaching from wood preservatives
16. Fluoride	N	2021	.124	No Range	ppm	4	4	Erosion of natural deposits; water additive which promotes strong teeth; discharge from fertilizer and aluminum factories
17. Lead	N	2018/20*	0	0	ppb	0	AL=15	Corrosion of household plumbing systems, erosion of natural deposits
Sodium	N	2019*	110000	82000 - 110000	ppb	0	0	Road Salt, Water Treatment Chemicals, Water Softeners and Sewage Effluents.
<b>Disinfection By-Products</b>								
81. HAA5	N	2021	46.9	No Range	ppb	0	60	By-Product of drinking water disinfection.
82. TTHM [Total trihalomethanes]	N	2021	60	No Range	ppb	0	80	By-product of drinking water chlorination.
Chlorine	N	2021	1.4	.7 – 1.8	mg/l	0	MDRL = 4	Water additive used to control microbes

\* Most recent sample. No sample required for 2021.

<b>PWS#:0820031</b>		<b>TEST RESULTS</b>						
Contaminant	Violation Y/N	Date Collected	Level Detected	Range of Detects or # of Samples Exceeding MCL/ACL	Unit Measurement	MCLG	MCL	Likely Source of Contamination
<b>Inorganic Contaminants</b>								
10. Barium	N	2019*	.012	No Range	ppm	2	2	Discharge of drilling wastes; discharge from metal refineries; erosion of natural deposits
13. Chromium	N	2019*	4.1	No Range	ppb	100	100	Discharge from steel and pulp mills; erosion of natural deposits
14. Copper	N	2018/20*	.8	0	ppm	1.3	AL=1.3	Corrosion of household plumbing systems; erosion of natural deposits; leaching from wood preservatives
16. Fluoride	N	2019*	1.12	No Range	ppm	4	4	Erosion of natural deposits; water additive which promotes strong teeth; discharge from fertilizer and aluminum factories
17. Lead	N	2018/20*	1	0	ppb	0	AL=15	Corrosion of household plumbing systems, erosion of natural deposits
Sodium	N	2019*	250000	No Range	ppb	0	0	Road Salt, Water Treatment Chemicals, Water Softeners and Sewage Effluents.
<b>Disinfection By-Products</b>								
81. HAA5	N	2017*	91*	No Range	ppb	0	60	By-Product of drinking water disinfection.
82. TTHM [Total trihalomethanes]	N	2017*	117*	No Range	ppb	0	80	By-product of drinking water chlorination.
Chlorine	N	2021	1.5	1 – 2	mg/l	0	MDRL = 4	Water additive used to control microbes

\* Most recent sample. No sample required for 2021

<b>PWS#:0820033</b>		<b>TEST RESULTS</b>						
Contaminant	Violation Y/N	Date Collected	Level Detected	Range of Detects or # of Samples Exceeding MCL/ACL	Unit Measurement	MCLG	MCL	Likely Source of Contamination

Inorganic Contaminants								
10. Barium	N	2019*	.0142	No Range	ppm	2	2	Discharge of drilling wastes; discharge from metal refineries; erosion of natural deposits
13. Chromium	N	2019*	33.1	No Range	ppb	100	100	Discharge from steel and pulp mills; erosion of natural deposits
14. Copper	N	2018/20*	.2	0	ppm	1.3	AL=1.3	Corrosion of household plumbing systems; erosion of natural deposits; leaching from wood preservatives
17. Lead	N	2018/20*	2	0	ppb	0	AL=15	Corrosion of household plumbing systems, erosion of natural deposits
Sodium	N	2019*	73000	No Range	ppb	0	0	Road Salt, Water Treatment Chemicals, Water Softeners and Sewage Effluents.
Disinfection By-Products								
Chlorine	N	2021	1.4	.6 - 2	mg/l	0	MDRL = 4	Water additive used to control microbes

\* Most recent sample. No sample required for 2021.

*Disinfection By-Products:*

(81) Haloacetic Acids (HAA5). Some people who drink water containing bromate in excess of the MCL over many years may have an increased risk of cancer  
 (82) Total Trihalomethanes (TTHMs). Some people who drink water containing trihalomethanes in excess of the MCL over many years may experience problems with their liver, kidneys, or central nervous systems, and may have an increased risk of getting cancer.

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 contaminants have been detected however the EPA has determined that your water IS SAFE at these levels.

We are required to monitor your drinking water for specific contaminants on a monthly basis. Results of regular monitoring are an indicator of whether or not our drinking water meets health standards. We did complete the monitoring requirements for bacteriological sampling that showed no coliform present. In an effort to ensure systems complete all monitoring requirements, MSDH now notifies systems of any missing samples prior to the end of the compliance period.

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. Our water system 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. Please contact 601.576.7582 if you wish to have your water tested.

**Central Yazoo Water Association (PWS ID 0820004, 0820029, 0820030, 0820031, 0820033)**, no longer adds fluoride to the drinking water system. Consult with your dentist, regarding this change with your water supply. They may propose additional supplements and suggest different treatment schedules. If you have children (starting at 6 months of age), their dentist may have alternative treatment suggestion to ensure the proper development of teeth as they grow. Be sure to talk to your dentist about in-office fluoride applications or dietary supplements. These necessary treatments may come at an increase cost.

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 chemicals and radioactive substances. 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 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.

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 means to lessen the risk of infection by cryptosporidium and other microbiological contaminants are available from the Safe Drinking Water Hotline 1.800.426.4791.

The Central Yazoo Water Association, Inc. works around the clock to provide top quality water to every tap. We ask that all our customers help us protect our water sources, which are the heart of our community, our way of life and our children's future.

**PROOF OF PUBLICATION OF NOTICE**  
**The State of Mississippi**  
**County of YAZOO**

Personally appeared before me, the undersigned Notary Public in and for the County and State aforesaid JAMIE PATTERSON, who being by me first duly sworn state on oath, that she is PUBLISHER of the YAZOO HERALD, a newspaper published in the City of Yazoo City, State and County aforesaid, and that the publication of the notice, a copy of which is hereto attached, has been made in said paper 1 times as follows:

Vol. No. <u>150</u>	Vol. No. _____
Number <u>47</u>	Number _____
Dated <u>04/27</u> , 20 <u>22</u>	Dated _____, 20 _____
Vol. No. _____	Vol. No. _____
Number _____	Number _____
Dated _____, 20 _____	Dated _____, 20 _____
Vol. No. _____	Vol. No. _____
Number _____	Number _____
Dated _____, 20 _____	Dated _____, 20 _____
Vol. No. _____	Vol. No. _____
Number _____	Number _____
Dated _____, 20 _____	Dated _____, 20 _____

Affiant further states that said newspaper has been established for at least twelve months next prior to the first publication of said notice.

(Signed) Jamie Patterson  
Jamie Patterson  
Publisher

Sworn to and subscribed before me, this 1st day of May, 20 22

(Signed) Sheila D. Trimm-Young  
Sheila D. Trimm-Young  
Notary Public



Legal Number 96 inches  
Words 6x16 mm  
Time 1  
Amount of legal \$ 960 -  
Proof of Publication \$ 3 -  
Total Amount \$ 963 -



# 2021 Annual Drinking Water Quality Report Central Yazoo Water Association, Inc.

We're pleased to present to you this year's Annual Quality Water Report. This report is designed to inform you about the quality of water and to provide you with the information you need to make informed decisions about your water. Our overall goal is to provide you with a clear and accurate picture of the quality of your water. We want you to understand the efforts we make to continuously improve the water treatment process and provide you with the information you need to make informed decisions about the quality of your water. Our water comes from a variety of sources, including the Yazoo River, the Mississippi River, and other local sources. We want you to understand the quality of your water. Our water comes from a variety of sources, including the Yazoo River, the Mississippi River, and other local sources. We want you to understand the quality of your water.

If you have any questions about the report or concerning your water utility, please contact Mike Johnson at 601.745.7531. We want our valued customers to be informed about their water utility. If you need to learn more, please contact Mike Johnson at 601.745.7531. We want our valued customers to be informed about their water utility. If you need to learn more, please contact Mike Johnson at 601.745.7531.

The source water assessment has been completed for our public water system to determine the overall protectability of its drinking water supply to identify potential sources of contamination. A report detailing the findings of this report is available on our website. The source water assessment has been completed for our public water system to determine the overall protectability of its drinking water supply to identify potential sources of contamination. A report detailing the findings of this report is available on our website.

We routinely monitor for contaminants in your drinking water according to Federal and State laws. This table below lists all of the drinking water contaminants that we monitor during the period of January 1<sup>st</sup> to December 31<sup>st</sup>, 2021. It lists where monitoring occurs, the number of samples collected, the test results for each sample, and the maximum level of each contaminant. The table also lists the source of each contaminant, the test results for each sample, and the maximum level of each contaminant. The table also lists the source of each contaminant, the test results for each sample, and the maximum level of each contaminant.

In this table you will find many terms and abbreviations you might not be familiar with. To help you better understand these terms, we've provided the following definitions:

**Maximum Contaminant Level (MCL)** - The "Maximum Allowable" (MCL) is the highest level of a contaminant that is allowed in drinking water. MCLs are set as strict as the MCLs as feasible using the best available technology (BAT).

**Maximum Contaminant Level Goal (MCLG)** - The "Goal" (MCLG) is the level of a contaminant in drinking water below which there is no known or expected risk to health. MCLGs are set as low as feasible for a range of safety.

**Maximum Residual Disinfectant Level (MRDL)** - The highest level of disinfectant allowed in drinking water. There is a secondary disinfectant residual in water to maintain its effectiveness in controlling microbial contaminants.

**Maximum Residual Disinfectant Level Goal (MRDLG)** - The level of a 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 microbial contaminants.

**Parts per million (ppm) or milligrams per liter (mg/L)** - one part per million corresponds to one ounce in two years or a single penny in \$10,000.

**Parts per billion (ppb) or micrograms per liter (µg/L)** - one part per billion corresponds to one ounce in two years or a single penny in \$10,000,000.

**TEST RESULTS**

Contaminant	Violation Y/N	Date Collected	Level Detected	Range of Disinfectant Residuals (ppm)	Unit	MCLG	MCL	Lead Source of Contamination
<b>Inorganic Contaminants</b>								
10 Barium	N	2021	0.075	No Range	ppm	2	2	Discharge of drilling water, erosion of natural deposits, and other sources.
13 Chromium	N	2021	1.7	No Range	ppb	100	100	Discharge from steel and other metal processing systems, erosion of natural deposits, and other sources.
14 Copper	N	2019/20	1	0	ppm	1.3	1.3	Discharge from steel and other metal processing systems, erosion of natural deposits, and other sources.

Contaminant	Violation Y/N	Date Collected	Level Detected	Range of Disinfectant Residuals (ppm)	Unit	MCLG	MCL	Lead Source of Contamination
14 Copper	N	2018/20	1	0	ppm	1.3	1.3	Discharge from steel and other metal processing systems, erosion of natural deposits, and other sources.
16 Fluoride	N	2021	1.24	No Range	ppm	4	4	Erosion of natural deposits, water additive which provides fluoride and other benefits.
17 Lead	N	2018/20	0	0	ppb	0	0	Corrosion of household plumbing systems, erosion of natural deposits, and other sources.
Sodium	N	2011/2	110000	82000 - 119300	ppb	0	0	Road Salt, Water Treatment Chemicals, Water Softeners and other sources.

## Disinfection By-Products

Contaminant	Violation Y/N	Date Collected	Level Detected	Range of Disinfectant Residuals (ppm)	Unit	MCLG	MCL	Lead Source of Contamination
11 THMs	N	2021	48.0	No Range	ppb	0	0	The product of drinking water disinfection.
12 Trihaloethylene	N	2021	60	No Range	ppb	0	0	The product of drinking water disinfection.
13 Haloacetic Acids (HAA5)	N	2021	1.4	1 - 1.8	ppb	0	0	Water additive, used to control turbidity.

## TEST RESULTS

### PWS#-0820031

Contaminant	Violation Y/N	Date Collected	Level Detected	Range of Disinfectant Residuals (ppm)	Unit	MCLG	MCL	Lead Source of Contamination
<b>Inorganic Contaminants</b>								
10 Barium	N	2019	0.12	No Range	ppm	2	2	Discharge of drilling water, erosion of natural deposits, and other sources.
13 Chromium	N	2019	4.1	No Range	ppb	100	100	Discharge from steel and other metal processing systems, erosion of natural deposits, and other sources.
14 Copper	N	2018/20	2	0	ppm	1.3	1.3	Discharge from steel and other metal processing systems, erosion of natural deposits, and other sources.
16 Fluoride	N	2019	1.12	No Range	ppm	4	4	Erosion of natural deposits, water additive which provides fluoride and other benefits.
17 Lead	N	2019/20	1	0	ppb	0	0	Corrosion of household plumbing systems, erosion of natural deposits, and other sources.
Sodium	N	2011/2	200000	No Range	ppb	0	0	Road Salt, Water Treatment Chemicals, Water Softeners and other sources.

## Disinfection By-Products

Contaminant	Violation Y/N	Date Collected	Level Detected	Range of Disinfectant Residuals (ppm)	Unit	MCLG	MCL	Lead Source of Contamination
11 THMs	N	2017	31	No Range	ppb	0	0	The product of drinking water disinfection.
12 Trihaloethylene	N	2017	117	No Range	ppb	0	0	The product of drinking water disinfection.
13 Haloacetic Acids (HAA5)	N	2021	1.5	1 - 2	ppb	0	0	Water additive, used to control turbidity.

## TEST RESULTS

### PWS#-0820033

Contaminant	Violation Y/N	Date Collected	Level Detected	Range of Disinfectant Residuals (ppm)	Unit	MCLG	MCL	Lead Source of Contamination
<b>Disinfection By-Products</b>								
11 THMs	N	2017	31	No Range	ppb	0	0	The product of drinking water disinfection.
12 Trihaloethylene	N	2017	117	No Range	ppb	0	0	The product of drinking water disinfection.
13 Haloacetic Acids (HAA5)	N	2021	1.5	1 - 2	ppb	0	0	Water additive, used to control turbidity.

## TEST RESULTS

### PWS#-0820033

Contaminant	Violation Y/N	Date Collected	Level Detected	Range of Disinfectant Residuals (ppm)	Unit	MCLG	MCL	Lead Source of Contamination
<b>Disinfection By-Products</b>								
11 THMs	N	2017	31	No Range	ppb	0	0	The product of drinking water disinfection.
12 Trihaloethylene	N	2017	117	No Range	ppb	0	0	The product of drinking water disinfection.
13 Haloacetic Acids (HAA5)	N	2021	1.5	1 - 2	ppb	0	0	Water additive, used to control turbidity.

## TEST RESULTS

### PWS#-0820033

Contaminant	Violation Y/N	Date Collected	Level Detected	Range of Disinfectant Residuals (ppm)	Unit	MCLG	MCL	Lead Source of Contamination
<b>Disinfection By-Products</b>								
11 THMs	N	2017	31	No Range	ppb	0	0	The product of drinking water disinfection.
12 Trihaloethylene	N	2017	117	No Range	ppb	0	0	The product of drinking water disinfection.
13 Haloacetic Acids (HAA5)	N	2021	1.5	1 - 2	ppb	0	0	Water additive, used to control turbidity.

## TEST RESULTS

### PWS#-0820033

Contaminant	Violation Y/N	Date Collected	Level Detected	Range of Disinfectant Residuals (ppm)	Unit	MCLG	MCL	Lead Source of Contamination
<b>Disinfection By-Products</b>								
11 THMs	N	2017	31	No Range	ppb	0	0	The product of drinking water disinfection.
12 Trihaloethylene	N	2017	117	No Range	ppb	0	0	The product of drinking water disinfection.
13 Haloacetic Acids (HAA5)	N	2021	1.5	1 - 2	ppb	0	0	Water additive, used to control turbidity.

\*Not a real value. No sample required for 2021.

Parameter	Unit	2015*	2016*	2017*	2018*	2019*	2020*	2021*	2022*	Level (ppm)	Range of Levels (ppm)	Method	Unit	MCLG	MCL	Label	Description of Contaminant
16. Fluoride	ppm		0.13							4	0.5-1.5	ppm	4			2	Excess of natural deposits, water softening, and other sources.
17. Lead	ppb		0							0	0	ppb	0	AL=15	100	2	Excess of natural deposits, water softening, and other sources.
Sulfate	ppb		27000							0	24000-72000	ppb	0			0	Excess of natural deposits, water softening, and other sources.

### Disinfection By-Products

Parameter	Unit	2015*	2016*	2017*	2018*	2019*	2020*	2021*	2022*	Level (ppb)	Range of Levels (ppb)	Method	Unit	MCLG	MCL	Label	Description of Contaminant
81. HAA5	ppb									0	No Range	ppb	0		60	2	By-product of drinking water disinfection.
82. THM4	ppb									0	No Range	ppb	0		20	2	By-product of drinking water disinfection.
83. Haloacetic Acids (HAA5)	ppb									0	1-1.4	ppb	0	MCLG=1	4	2	Water additive used to control microbes.

### Inorganic Contaminants

Parameter	Unit	2015*	2016*	2017*	2018*	2019*	2020*	2021*	2022*	Level (ppm)	Range of Levels (ppm)	Method	Unit	MCLG	MCL	Label	Description of Contaminant
10. Barium	ppm									2	No Range	ppm	2			2	Excess of natural deposits, water softening, and other sources.
13. Chromium	ppb									300	No Range	ppb	300			100	Excess of natural deposits, water softening, and other sources.
14. Copper	ppm									1.3	AL=1.3	ppm	1.3			1.3	Excess of natural deposits, water softening, and other sources.
16. Fluoride	ppm									4	No Range	ppm	4			4	Excess of natural deposits, water softening, and other sources.
17. Lead	ppb									0	0	ppb	0	AL=15	100	2	Excess of natural deposits, water softening, and other sources.
Sulfate	ppb									0	No Range	ppb	0			0	Excess of natural deposits, water softening, and other sources.

### Disinfection By-Products

Parameter	Unit	2015*	2016*	2017*	2018*	2019*	2020*	2021*	2022*	Level (ppb)	Range of Levels (ppb)	Method	Unit	MCLG	MCL	Label	Description of Contaminant
81. HAA5	ppb									0	No Range	ppb	0		60	2	By-product of drinking water disinfection.
82. THM4	ppb									0	No Range	ppb	0		20	2	By-product of drinking water disinfection.
83. Haloacetic Acids (HAA5)	ppb									0	1-2	ppb	0	MCLG=1	4	2	Water additive used to control microbes.

### Inorganic Contaminants

Parameter	Unit	2015*	2016*	2017*	2018*	2019*	2020*	2021*	2022*	Level (ppm)	Range of Levels (ppm)	Method	Unit	MCLG	MCL	Label	Description of Contaminant
10. Barium	ppm									2	No Range	ppm	2			2	Excess of natural deposits, water softening, and other sources.

### TEST RESULTS

Parameter	Unit	2015*	2016*	2017*	2018*	2019*	2020*	2021*	2022*	Level (ppm)	Range of Levels (ppm)	Method	Unit	MCLG	MCL	Label	Description of Contaminant
10. Barium	ppm									2	No Range	ppm	2			2	Excess of natural deposits, water softening, and other sources.

Parameter	Unit	2015*	2016*	2017*	2018*	2019*	2020*	2021*	2022*	Level (ppm)	Range of Levels (ppm)	Method	Unit	MCLG	MCL	Label	Description of Contaminant
10. Barium	ppm									2	No Range	ppm	2			2	Excess of natural deposits, water softening, and other sources.
13. Chromium	ppb									300	No Range	ppb	300			100	Excess of natural deposits, water softening, and other sources.
14. Copper	ppm									1.3	AL=1.3	ppm	1.3			1.3	Excess of natural deposits, water softening, and other sources.
16. Fluoride	ppm									4	No Range	ppm	4			4	Excess of natural deposits, water softening, and other sources.
17. Lead	ppb									0	0	ppb	0	AL=15	100	2	Excess of natural deposits, water softening, and other sources.
Sulfate	ppb									0	No Range	ppb	0			0	Excess of natural deposits, water softening, and other sources.

### Disinfection By-Products

Parameter	Unit	2015*	2016*	2017*	2018*	2019*	2020*	2021*	2022*	Level (ppb)	Range of Levels (ppb)	Method	Unit	MCLG	MCL	Label	Description of Contaminant
81. HAA5	ppb									0	No Range	ppb	0		60	2	By-product of drinking water disinfection.
82. THM4	ppb									0	No Range	ppb	0		20	2	By-product of drinking water disinfection.
83. Haloacetic Acids (HAA5)	ppb									0	1-3	ppb	0	MCLG=1	4	2	Water additive used to control microbes.

**Water quality report - No sample required for 2021**

**Inorganic Contaminants**

10. Barium 2015\* 0.142 16. Range ppm 2 2 Excess of natural deposits, water softening, and other sources.

13. Chromium 2015\* 33.1 No Range ppb 300 100 Excess of natural deposits, water softening, and other sources.

14. Copper 2015\* 2.2 No Range ppm 1.3 AL=1.3 1.3 Excess of natural deposits, water softening, and other sources.

16. Fluoride 2015\* 2.0 No Range ppm 4 4 Excess of natural deposits, water softening, and other sources.

17. Lead 2015\* 0.0 No Range ppb 0 AL=15 100 2 Excess of natural deposits, water softening, and other sources.

Sulfate 2015\* 23000 No Range ppb 0 0 Excess of natural deposits, water softening, and other sources.

**Disinfection By-Products**

81. HAA5 2015\* 0.0 No Range ppb 0 60 2 By-product of drinking water disinfection.

82. THM4 2015\* 0.0 No Range ppb 0 20 2 By-product of drinking water disinfection.

83. Haloacetic Acids (HAA5) 2015\* 0.0 No Range ppb 0 4 2 Water additive used to control microbes.

**TEST RESULTS**

**Inorganic Contaminants**

10. Barium 2015\* 2.0 No Range ppm 2 2 Excess of natural deposits, water softening, and other sources.