



# ANNUAL WATER QUALITY REPORT 2022

Consumer Confidence Report

## City of Woodway

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**WOODWAY**  
TEXAS

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## DRINKING WATER

You may be more vulnerable than the general population to certain microbial contaminants, such as cryptosporidium, in drinking water. Infants, some elderly or immune-compromised persons such as those undergoing chemotherapy for cancer, those who have undergone organ transplants; those who are undergoing treatment with steroids; and people with HIV/AIDS or other immune system disorders can be particularly at risk from infections. You should seek advice about drinking water from your physician or health care provider. Additional guidelines on appropriate means to lessen the risk of infection by cryptosporidium are available from the ***SAFE DRINKING WATER HOTLINE at (800) 426-4791.***



### Public Participation Opportunities

The City of Woodway Water Utility Department is governed by the Woodway City Council. The City Council meets the 2<sup>nd</sup> and 4<sup>th</sup> Mondays each month at 5:30 p.m. at the Woodway City Hall located at 922 Estates Drive. To learn more about future public meetings (regarding drinking water) or to request to schedule one, please contact us at (254) 772-4050 or (254) 772-4480.

### Our Drinking Water is Regulated

This report is summary of the quality of the water we provide our customers. The analysis was made by using data from the most recent U.S. Environmental Protection (EPA) required tests. We hope this information helps you become more knowledgeable about your drinking water.

### En español

Este informe incluye información importante sobre el agua potable. Si tiene preguntas o comentarios sobre este informe en español, favor de llamar al tel. (254) 772-4050 para hablar con una persona bilingüe en español.

### Prevent Storm Water Pollution

Motor oil, paint, fertilizer, or anything that is on the ground when it rains all gets washed into the storm drain system along with the rain. Unlike wastewater (which is treated), storm water runoff goes into creeks, lakes, and rivers. This is why disposing of oil, pesticides, and other chemicals properly is very important. Always use and dispose of chemicals in accordance with product labels.

# WATER SOURCES

## Source of Drinking Water

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 ground, it dissolves naturally-occurring minerals, and in some cases, radioactive materials, and can pick up substances resulting from presence of animals or from human activity. Contaminants that may be present in source water before treatment include: Microbial contaminants, such as viruses & bacteria, which may come from sewage treatment plants, septic systems, and agricultural livestock operations & wildlife. Inorganic contaminants, such as salts and metals, which can be naturally-occurring or results 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 septic systems. Radioactive contaminants, which can be naturally-occurring or be the result of oil and gas production and mining activities.

## Reduce the F.O.G. (*fats, oils & grease*)

Fats, oils, and grease that are poured into drains or toilets solidify as they cool in the pipes, clogging up the system. You can help by practicing these FOG reducing tips:

**DO NOT:** put food down the drain; use the disposal excessively; pour oil or grease down the drain; or rinse grease from cookware into the sink or drain.

**DO:** cover sink drain with catch baskets and empty into waste bin; dry-wipe oil/grease from cookware; put used cooking oil in a covered container and dispose of.

## Where do we get our drinking water?

Our drinking water is obtained from surface and ground water sources. It comes from six (6) wells located within the City, pumping from the Hosston Member of the Trinity Group Aquifer with supplemental supply from Waco. Assessment for your drinking water source(s) is currently being updated by the Texas Commission on Environmental Quality (TCEQ). This information describes the susceptibility and types of constituents that may come into contact with your drinking water source based on human activities and natural conditions. The information contained in the assessment allows to focus our source water protection strategies. Some of this source water assessment information will be available later this year on Texas Drinking Water Watch at <http://dww.tceq.state.tx.us/DWW/>. For more information on source water assessment and protection efforts at our system, contact Woodway Community Services at (254) 772-4050.

## Did you know?

The human body is about 75% water, by the time a person feels thirsty, his or her body has lost over 1% of its total water amount. Although soft drinks, coffee, and tea are made up almost entirely of water, they also contain caffeine, which can prevent water from traveling to necessary locations in the body. A person can survive about a month without food, but only 5 to 7 days without water. *Find more interesting water facts at: [allaboutwater.org](http://allaboutwater.org).*

## ALL drinking water may contain contaminants

When drinking water meets federal standards there may not be any health-based benefits to purchasing bottled water or point of use devices. 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 EPA's Safe Drinking Water Hotline (1-800-426-4791).

## Secondary Constituents

Many constituents (such as calcium, sodium, or iron) which are found in drinking water, can cause taste, color, and odor problems. The taste and odor constituents (secondary constituents) are regulated by the State of Texas. These constituents are neither cause for health concern nor required to be reported in this document; however, they may greatly affect the appearance and taste of your water.

## Definitions

### Maximum Contaminant Level (MCL):

The highest permissible level of a contaminant in drinking water. MCLs are set as close as to the MCLGs as feasible using the best available treatment technology.

### Maximum Residual Disinfectant Level Goal (MCLG):

The level of a contaminant in drinking water below which there is no known or expected health risk. MCLGs allow for a margin of safety.

### Maximum residual disinfectant level or MRDL

The highest level of a disinfectant allowed in drinking water. There is convincing evidence that addition of a disinfectant is necessary for control of microbial contaminants.

### Maximum residual disinfectant level goal or MRDLG

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 microbial contaminants.

### Treatment Technique (TT):

A required process intended to reduce the level of a contaminant in drinking water.

### Action Level (AL):

The concentration of a contaminant which, if exceeded triggers treatment or other requirements which a water system must follow.

## Abbreviations

|              |                                                                                         |
|--------------|-----------------------------------------------------------------------------------------|
| <b>MFL</b>   | million fibers per liter (a measure of asbestos)                                        |
| <b>NTU</b>   | nephelometric turbidity units (a measure of turbidity)                                  |
| <b>pCi/L</b> | picocuries per liter (a measure of radioactivity)                                       |
| <b>ppb:</b>  | micrograms per liter or parts per billion - or one ounce in 7,350,000 gallons of water. |
| <b>ppm:</b>  | milligrams per liter or parts per million - or one ounce in 7,350 gallons of water.     |
| <b>ppt</b>   | parts per trillion, or nanograms per liter (ng/L)                                       |

## 2022 WATER QUALITY TEST RESULTS

| Year or Range | Contaminant                    | Highest Level Detected | Range of Individual Samples | MCLG | MCL | Unit of Measure | Violation | Source of Contaminant                                                                                                      |
|---------------|--------------------------------|------------------------|-----------------------------|------|-----|-----------------|-----------|----------------------------------------------------------------------------------------------------------------------------|
| 2020-2023     | Arsenic                        | 2.6                    | 0-2.6                       | 0    | 10  | ppb             | N         | Erosion of natural deposits; runoff from orchards; runoff from glass and electronics production wastes                     |
| 2020-2023     | Barium                         | 0.1067                 | 0.0305-0.106                | 2    | 2   | ppm             | N         | Discharge of drilling wastes; discharge from metal refineries; erosion of natural deposits.                                |
| 2020-2023     | Fluoride                       | 1.78                   | 0.72-1.78                   | 4    | 4   | ppm             | N         | Erosion of natural deposits; water additive which promotes strong teeth; discharge from fertilizer and aluminum factories. |
| 2022-2023     | Nitrate (measured as Nitrogen) | 0.31                   | 0-0.31                      | 10   | 10  | ppm             | N         | Runoff from fertilizer use; leaching from septic tanks, sewage; erosion of natural deposits.                               |
| 2020-2023     | Selenium                       | 8.5                    | 0-8.5                       | 50   | 50  | ppb             | N         | Discharge from petroleum and metal refineries; Erosion of natural deposits; Discharge from mines.                          |
| 2020-2023     | Cyanide                        | 20                     | 0-20                        | 200  | 200 | ppb             | N         | Discharge from plastic and fertilizer factories; Discharge from steel/metal factories.                                     |
| 2019-2021     | Nitrite (measured as Nitrogen) | 0.12                   | 0-0.12                      | 1    | 1   | ppm             | N         | Runoff from fertilizer use; leaching from septic tanks, sewage; erosion of natural deposits.                               |

### Maximum Residual Disinfectant Level

| Year | Disinfectant        | Minimum Level | Maximum Level | MRDL | MRDLG | Unit of Measure | Violation | Source of Chemical                                                           |
|------|---------------------|---------------|---------------|------|-------|-----------------|-----------|------------------------------------------------------------------------------|
| 2022 | Chloramine Residual | 0.5           | 3.6           | 4    | 4     | ppm             | N         | Disinfectant used (for Woodway's purchased source water) to control microbes |

### Disinfection Byproducts

| Year | Contaminant                    | Highest Level Detected | Range of Individual Samples | MCLG                  | MCL | Units | Violation | Source of Contaminant                     |
|------|--------------------------------|------------------------|-----------------------------|-----------------------|-----|-------|-----------|-------------------------------------------|
| 2023 | Total Halo acetic Acids (HAA5) | 10.4                   | 7.8-10.4                    | No goal for the total | 60  | ppb   | N         | Byproduct of drinking water disinfection. |
| 2023 | Total Trihalomethanes (TThm)   | 38                     | 31.5-38.3                   | No goal for the total | 80  | ppb   | N         |                                           |

## Volatile Organic Contaminants

| Year      | Contaminant  | Highest Level Detected | Range of Individual Samples | MCLG | MCL | Unit of Measure | Violation | Source of Contaminant                                                  |
|-----------|--------------|------------------------|-----------------------------|------|-----|-----------------|-----------|------------------------------------------------------------------------|
| 2022-2023 | Ethylbenzene | 0                      | 0                           | 700  | 700 | ppb             | N         | Discharge from petroleum refineries.                                   |
| 2022-2023 | Xylenes      | 0                      | 0                           | 10   | 10  | ppm             | N         | Discharge from petroleum factories; discharge from chemical factories. |

## Radioactive Contaminants

| Year      | Contaminant                           | Highest Level Detected | Range of Individual Samples | MCLG | MCL | Unit of Measure | Violation | Source of Contaminant                   |
|-----------|---------------------------------------|------------------------|-----------------------------|------|-----|-----------------|-----------|-----------------------------------------|
| 2013-2023 | Combined Radium 226 & 228             | 2.5                    | 0.6-2.25                    | 0    | 5   | pCi/L           | N         | Erosion of natural deposits.            |
| 2019-2022 | Beta/photon emitters                  | 0                      | 0-0                         | 50   | 0   | pCi/L           | N         | Decay of natural and man-made deposits. |
| 2019-2022 | Gross Alpha excluding radon & uranium | 7.5                    | 0-7.5                       | 0    | 15  | pCi/L           | N         | Erosion of natural deposits.            |

2022 Fecal Coliform: REPORTED MONTHLY TESTS FOUND NO FECAL COLIFORM BACTERIA

2022 Total Coliform: REPORTED MONTHLY TESTS FOUND NO COLIFORM BACTERIA.

## Unregulated Contaminants

(These contaminants are disinfection byproducts. There is no maximum contaminant level for these chemicals at the entry point of distribution.)

| Year      | Contaminant          | Minimum Level | Maximum Level | Unit of Measure | Source of Contaminant                     |
|-----------|----------------------|---------------|---------------|-----------------|-------------------------------------------|
| 2022-2023 | Bromoform            | <1.0          | 6.6           | ppb             | Byproduct of drinking water disinfection. |
| 2022-2023 | Bromodichloromethane | <1.0          | 8.5           | ppb             |                                           |
| 2022-2023 | Chloroform           | <1.0          | 5.2           | ppb             |                                           |
| 2022-2023 | Dibromochloromethane | <1.0          | 11.3          | ppb             |                                           |

## Synthetic Organic Contaminants Including Pesticides and Herbicides

| Year      | Contaminant | Highest Level Detected | Range of Individual Samples | MCLG | MCL | Unit of Measure | Violation | Source of Contaminant                                                  |
|-----------|-------------|------------------------|-----------------------------|------|-----|-----------------|-----------|------------------------------------------------------------------------|
| 2020-2022 | Atrazine    | 0.1                    | 0-0.1                       | 3    | 3   | ppb             | N         | Runoff from herbicide used on row crops                                |
| 2020-2022 | Dalapon     | <1.0                   | <1.0                        | 200  | 200 | ppb             | N         | Discharge from petroleum factories; discharge from chemical factories. |

## Secondary and Other Constituents Not Regulated

(No associated adverse health effects)

| Year or Range | Constituent                           | Average Level | Minimum Level | Maximum Level | Secondary Limit | Unit of Measure | Source of Contaminant                                                                              |
|---------------|---------------------------------------|---------------|---------------|---------------|-----------------|-----------------|----------------------------------------------------------------------------------------------------|
| 2020-2023     | Aluminum                              | 0.023         | 0             | 0.0635        | 0.2             | ppm             | Abundant naturally occurring element.                                                              |
| 2020-2023     | Bicarbonate                           | 324           | 183           | 439           | N/A             | ppm             | Corrosion of carbonate rocks such as limestone.                                                    |
| 2020-2023     | Calcium                               | 23.4          | 3             | 52.1          | N/A             | ppm             | Abundant naturally occurring element.                                                              |
| 2020-2023     | Chloride                              | 77            | 32            | 151           | N/A             | ppm             | Abundant naturally occurring element; used in water purification; byproduct of oil field activity. |
| 2020-2023     | Iron                                  | 0.006         | 0             | 0.021         | N/A             | ppm             | Erosion of natural deposits; iron or steel water delivery equipment or facilities.                 |
| 2020-2023     | Magnesium                             | 3.83          | 1.23          | 5.94          | N/A             | ppm             | Abundant naturally occurring element.                                                              |
| 2020-2023     | Manganese                             | 0.0012        | 0             | 0.0021        | N/A             | ppm             | Abundant naturally occurring element.                                                              |
| 2020-2023     | Sodium                                | 165           | 51.4          | 286           | N/A             | ppm             | Erosion of natural deposits; by products of oil field activity.                                    |
| 2020-2023     | Sulfate                               | 109           | 40            | 219           | 300             | ppm             | Naturally occurring; common industrial byproduct; byproduct of oil field activity.                 |
| 2020-2023     | Total Alkalinity as CaCO <sub>3</sub> | 267           | 150           | 361           | N/A             | ppm             | Naturally occurring soluble mineral salts.                                                         |
| 2020-2023     | Total Dissolved Solids                | 584           | 314           | 808           | 1000            | ppm             | Total dissolved mineral constituents in water.                                                     |
| 2020-2023     | Total Hardness as CaCO <sub>3</sub>   | 70            | 12.6          | 140           | N/A             | ppm             | Naturally occurring calcium.                                                                       |
| 2020-2023     | Zinc                                  | 0             | 0             | 0             | 5               | ppm             | Moderately abundant naturally occurring element; used in the metal industry.                       |

## Lead and Copper

| Year | Contaminant | MCLG | 90th Percentile | Action Level | # Of Sites over All | Unit of Measure | Violation | Source of Contaminant                                                                                   |
|------|-------------|------|-----------------|--------------|---------------------|-----------------|-----------|---------------------------------------------------------------------------------------------------------|
| 2022 | Lead        | 0    | <5.0            | 15           | 0                   | ppb             | NO        | Corrosion of household plumbing systems; erosion of natural deposits.                                   |
| 2022 | Copper      | 1.3  | 0.1048          | 1.3          | 0                   | ppm             | NO        | Corrosion of household plumbing systems; erosion of natural deposits. Leaching from wood preservatives. |

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. This water supply 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 (1-800-426-4791) or at <http://www.epa.gov/safewater/lead>.



## Violation

| Violation Type                                                            | Violation Begin | Violation End | Violation Explanation                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
|---------------------------------------------------------------------------|-----------------|---------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Failure to submit a Disinfectant Level Quarterly Operating Report (DLQOR) | 4/1/22          | 6/30/22       | Failure to submit a Disinfectant Level Quarterly Operating Report (DLQOR) to the TCEQ for the following compliance period, second quarter of 2022. The City of Woodway water system PWS ID 1550048 has violated the monitoring/reporting requirements set by TCEQ in Title 30, Texas Administrative Code (30 TAC), Section 290, Subchapter F. Public water systems are required to properly disinfect water before distribution, maintain acceptable disinfection residuals within the distribution, monitor the disinfectant residual at various locations throughout the distribution system, and report the results of that monitoring to the TCEQ on a quarterly basis. Results of regular monitoring are an indicator of whether or not your drinking water is safe from microbial contamination. |

## City of Waco (Reported test results)

| Contaminant      | Unit | Highest Level Detected                                                                        | Min-Max Levels  | Maximum Allowable Contaminant Level |
|------------------|------|-----------------------------------------------------------------------------------------------|-----------------|-------------------------------------|
| <b>Arsenic</b>   | ppb  | 2.6                                                                                           | 2.5 - 2.6       | 10                                  |
| <b>Selenium</b>  | ppb  | 3.1                                                                                           | <3.0 - 3.1      |                                     |
| <b>Atrazine</b>  | ppb  | 0.12                                                                                          | 0.10 - 0.12     | 3                                   |
| <b>Cyanide</b>   | ppb  | 130                                                                                           | 70-130          | 200                                 |
| <b>Bromate</b>   | ppb  | 9.9                                                                                           | <5 - 9.9        | 10                                  |
| <b>Barium</b>    | ppb  | 0.428                                                                                         | 0.0425 - 0.0428 | 2                                   |
| <b>Fluoride</b>  | ppb  | 0.69                                                                                          | 0.23 - 0.69     | 4                                   |
| <b>Turbidity</b> | NTU  | 100% of the readings were at or below 0.3 NTU                                                 |                 | PASS                                |
| <b>TOC</b>       | %    | The % of TOC removal was measured each month and the system met defined TOC removal criteria. |                 | PASS                                |