

Annual Drinking Water Quality Report 2025

Harris County Municipal Utility District 71 TX1011823

ABOUT THIS REPORT

Our Drinking Water meets or exceeds all Federal and State Drinking Water Requirements. This report is a summary of the quality of the water we provide our customers. The analysis was made by using the data from the most recent U.S. Environmental Protection Agency (EPA) required testing. We hope this information helps you become more knowledgeable about your drinking water.

SPECIAL NOTICE FOR THE ELDERLY, INFANTS, CANCER PATIENTS, PEOPLE WITH IMMUNE PROBLEMS

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 microbial contaminants are available from the Safe Drinking Water Hotline (800-426-4791).

En Español

Este reporte incluye información importante sobre el agua para tomar. Para asistencia en español, favor de llamar al teléfono (281) 897-9100.

WHERE DO WE GET OUR WATER?

Harris County Municipal Utility District (MUD) 71 provides drinking water from one (1) source:

- **Groundwater from four (4) wells within the Evangeline aquifer located in Harris County.**

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.

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 at (800) 426-4791. In order to ensure that tap water is safe to drink, EPA prescribes regulations which limit the amount of certain contaminants in water provided by public water systems. FDA regulations establish limits for contaminants in bottled water which must provide the same protection for public health.

The Texas Commission on Environmental Quality (TCEQ) completed an assessment of your source water, and results indicate that our sources have a low susceptibility to contaminants. The sampling requirements for your water system are based on this susceptibility and previous sample data. Any detections of these contaminants will be found in this Consumer Confidence Report (CCR). For more information on source water assessments and protection efforts at our system, contact Regional Water Corporation at 281-897-9100.

PUBLIC PARTICIPATION OPPORTUNITIES

Date: Second Monday of each month

Time: 6:00 P.M.

Location: 21437 Clay Road, Katy, Texas 77449

Phone Number: 281-897-9100

To learn about future public meetings (concerning your drinking water), or to request to schedule one, please call us at (281) 897-9100.

DRINKING WATER CONTAMINANTS

Contaminants that may be present in source water include:

- **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**, 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, are by-products of industrial processes and petroleum production, and can also come from gas stations, urban storm water runoff, and septic systems.
- **Radioactive contaminants**, which can be naturally occurring or be the result of oil and gas production and mining activities.

ARSENIC

While your drinking water meets the EPA's standard for arsenic, it does contain low levels of arsenic. The EPA's standard balances the current understanding of arsenic's possible health effects against the costs of removing arsenic from drinking water. Some people who drink water containing arsenic in excess of the MCL over many years could experience skin damage or problems with their circulatory system and may have an increased risk of getting cancer. EPA continues to research the health effects of low levels of arsenic which is a mineral known to cause cancer in humans at high concentrations and is linked to other health effects such as skin damage and circulatory problems.

LEAD

Lead can cause serious health effects in people of all ages, especially pregnant people, infants (both formula-fed and breastfed), and young children. Lead in drinking water is primarily from materials and parts used in service lines and in home plumbing. Harris County MUD 71 is responsible for providing high quality drinking water and removing lead pipes but cannot control the variety of materials used in the plumbing in your home. Because lead levels may vary over time, lead exposure is possible even when your tap sampling results do not detect lead at one point in time. You can help protect yourself and your family by identifying and removing lead materials within your home plumbing and taking steps to reduce your family's risk. Using a filter, certified by an American National Standards Institute accredited certifier to reduce lead, is effective in reducing lead exposures. Follow the instructions provided with the filter to ensure the filter is used properly. Use only cold water for drinking, cooking, and making baby formula. Boiling water does not remove lead from water. Before using tap water for drinking, cooking, or making baby formula, flush your pipes for several minutes. You can do this by running your tap, taking a shower, doing laundry or a load of dishes. If you have a lead service line or galvanized requiring replacement service line, you may need to flush your pipes for a longer period. If you are concerned about lead in your water and wish to have your water tested, contact HARRIS COUNTY MUD 71 at 713-897-9100.

DRINKING WATER CONTAMINANTS, CONT'D

Information on lead in drinking water, testing methods, and steps you can take to minimize exposure is available at <https://www.epa.gov/safewater/lead>. Infants and children are typically more vulnerable to lead in drinking water than the general population. It is possible that lead levels at your home may be higher than at other homes in the community as a result of materials used in your home's plumbing. If you are concerned about elevated lead levels in your home's water, you may wish to have your water tested and flush your tap for 30 seconds to 2 minutes before using tap water. Additional information is available from the Safe Drinking Water Hotline (800-426-4761).

SECONDARY CONSTITUENTS

Many constituents (such as calcium, sodium, or iron) which are often found in drinking water, can cause taste, color and odor issues. Taste and color constituents, called secondary constituents, are regulated by the state of Texas, not the EPA. These constituents are not causes for health concern. Therefore, secondary constituents are not required to be reported in this document, but they may affect the appearance and taste of your water. For more information on taste, odor, or color of drinking water, please contact Regional Water Corporation at (281) 897-9100.

WATER QUALITY DATA

The state of Texas allows for some contaminants to be monitored less than once per year because the concentrations do not change frequently. The year that each result was detected is indicated in the tables below. Definitions, abbreviations, and sources of detected contaminants can be found on pages 9 and 10 of this report.

Regulated Contaminants

In the tables below, we have shown the regulated contaminants that were detected. Chemical Sampling of our drinking water may not be required on an annual basis; therefore, information provided in this table refers back to the latest year of chemical sampling results.

REGULATED CONTAMINANTS						
Period	Contaminant	Highest Level Detected	Range of Detected Levels	MCL	MCLG	Units
2025	Arsenic	7.8	5.5 - 7.8	10	0	ppb
2025	Barium	0.224	0.125 - 0.224	2	2	ppm
2025	Dibromochloromethane	9.5	1 - 9.5	*	0.06	ppb
2025	Fluoride	0.63	0.63	4	4	ppm
2025	Nitrate	0.06	0 - 0.06	10	10	ppm
2025	Xylenes	0.0011	0 - 0.0011	10	10	ppm

* No MCL for the analyte

WATER QUALITY DATA, CONT'D

DISINFECTION BY-PRODUCTS

Period	Contaminant	Sample Point	Highest Level Detected	Range of Detected Levels	MCL	MCLG	Units
2025	Total Haloacetic Acids (HAA5)	3411 Lakeland Gardens	0	0	60	0	ppb
2025	Total Haloacetic Acids (HAA5)	3602 Lakearies	0	0	60	0	ppb
2025	Trihalomethanes (THM)	3411 Lakeland Gardens	2	2	80	0	ppb
2025	Trihalomethanes (THM)	3602 Lakearies	1	1.2	80	0	ppb

RADIOLOGICAL CONTAMINANTS

Period	Contaminant	Highest Level Detected	Range of Detected Levels	MCL	MCLG	Units
2020	Gross Alpha, Excl. Radon & Uranium	4.5	4.5	15	0	pCi/L
2020	Gross Alpha, Incl. Radon & Uranium	4.5	4.5	*	0	pCi/L

*No MCL for the analyte

LEAD AND COPPER

Period	Contaminant	The 90 th Percentile	Range of Sampled Results (low-high)	Units	Sites Over AL	AL
2023 - 2025	Copper, Free	0.159	0.00278 - 0.268	ppm	0	1.3
2023 - 2025	Lead	9.5	0 - 20.3	ppb	0	15

As part of an ongoing effort to monitor lead and copper in drinking water, the lead service line inventory, completed in 2024, is available for viewing at **Regional Water Corporation's office, located at 13300 Schroeder Road, Houston, Texas 77070 during the hours of 8:00 AM and 4:00 PM, Monday - Friday, with the exception of holidays and extreme weather days.** All portions of the service line are known NOT to be lead or galvanized requiring replacement (GRR) through an evidence-based record, method, or technique.

WATER QUALITY DATA, CONT'D

Disinfectant Residual

All public water systems in Texas are required to disinfect drinking water to ensure control of microbial contaminants. Disinfectants are water additives used to control microbes.

DISINFECTANT RESIDUAL

Year	Disinfectant	Average Level	Range	Units	MRDL	MRDLG
2025	Free Chlorine	1.8	0.9 - 3.0	mg/L	4	4



MICROBIOLOGICAL

Microbiological	Result	MCL	MCLG	Typical Source
2025	In the month of November, 1 sample returned as positive	1.8	0.9 - 3.0	Naturally present in the environment

Coliforms are bacteria that are naturally present in the environment and are used as an indicator that other, potentially-harmful, bacteria may be present. Coliforms were found in more samples than allowed and this was a warning of potential problems.

The Fifth Regulated Contaminant Monitoring Rule (UCMR 5)

The Safe Drinking Water Act requires that once every five years, EPA issues a list of priority unregulated contaminants to be monitored by certain public water systems across the States, Tribes and Territories. The contaminants may be present in drinking water but are not yet subject to EPA drinking water standards. The five-year UCMR 5 cycle spans 2022-2026. UCMR 5 includes 30 contaminants, 29 Per- and Polyfluoroalkyl Substances (PFAS) and one (1) metal/pharmaceutical, lithium (Li). The data collected under UCMR 5 will help the EPA understand the frequency that these contaminants are found in the nation's drinking water systems and at what levels. This data will help inform EPA regulatory determinations and risk-management decisions and ensure science-based decision-making.

**No tested contaminants were detected above the official reporting limits.



Special Notice for Availability of Unregulated Contaminant Monitoring Data Template 3-9

IMPORTANT INFORMATION ABOUT YOUR DRINKING WATER

Availability of Monitoring Data for Unregulated Contaminants for Harris County MUD 71

Our water system has sampled a series of unregulated contaminants. Unregulated contaminants are those that don't yet have a drinking water standard set by the EPA. The purpose of monitoring for these contaminants is to help the EPA decide whether the contaminants should have a standard. As our customers, you have a right to know that this data is available. If you are interested in examining the results, please contact Regional Water Corp. at (281) 897-9100 or by at 13300 Schroeder Road, Houston, Texas 77070.

The data is also publicly available here: <https://www.epa.gov/dwucmr/fifth-unregulated-contaminant-monitoring-rule-data-finder>

This notice is being sent to you by Harris County MUD 7, State Water System ID 1011256.

Date distributed: 6/15/2026

CONTAMINANTS AND SOURCES

CONTAMINANT	SOURCE
Arsenic	Erosion of natural deposits; Runoff from orchards; Runoff from glass and electronics production wastes.
Atrazine	Runoff from herbicide used on row crops
Barium	Discharge of drilling wastes; Discharge from metal refineries. Erosion of natural deposits.
Beta/photon emitters	Decay of natural and man-made deposits.
Disinfectant Residual	Water additive used to control microbes.
Copper	Corrosion of household plumbing systems erosion of natural deposits.
Cyanide	Discharge from steel/metal factories; Discharge from plastic and fertilizer factories.
Fluoride	Erosion of natural deposits; Discharge from fertilizer and aluminum factories; Water additive which promotes strong teeth*.
Gross Alpha emitters	Erosion of natural deposits.
Lead	Corrosion of household plumbing systems; erosion of natural deposits.
Nitrate	Runoff from fertilizer use; Leaching from septic tanks, sewage; Erosion of natural deposits.
Selenium	Discharge from petroleum and metal refineries; erosion of natural deposits; discharge from mines.
Total Trihalomethanes (TTHM)	By-product of drinking water disinfection.
Total Haloacetic Acids (HAA5)	By-product of drinking water disinfection.
Uranium	Erosion of natural deposits.

*Harris County MUD 71 does not receive or treat source water with fluoride.

DEFINITIONS AND ABBREVIATIONS

Action Level (AL)	The concentration of a contaminant which, if exceeded, triggers treatment or other requirements which a water system must follow.
Action Level Goal (ALG)	The level of a contaminant in drinking water below which there is no known or expected risk to health, ALGs allow for margin of safety.
Average (Avg)	Regulatory compliance with some MCLs are based on running annual average of monthly samples.
Level 1 Assessment	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 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.
LRAA	Locational Running Annual Average
Maximum Contaminant Level (MCL)	The highest level of 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 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 disinfectant is 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 (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.
millirems per year (mrem)	A measure of radiation absorbed by the body.
NA	Not applicable
picocuries per liter (pCi/L)	A measure of radioactivity in water.
parts per billion (ppb)	Micrograms per liter; one ounce in 7,350,000 gallons of water
parts per million (ppm)	Micrograms per liter; one ounce in 7,350 gallons of water
RAA	Running Annual Average
Treatment Technique (TT)	Required process intended to reduce the level of a contaminant in drinking water.
Variations and Exemptions	State or EPA permission not to meet an MCL or a treatment technique under certain conditions.