

Drinking water, including bottle water, may reasonably be expected to contain at least small amounts of some contaminants. The presence of contaminants does not necessarily indicate that water possess 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.

Harris County Municipal Utility District No. 342

Contaminants that may be present in source water include:

Microbial contaminants, such as viruses and bacteria, which 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, 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.

Secondary Constituents

Contaminants (such as: calcium, sodium, or iron) may be found in drinking water that may cause taste, color, or odor problems. These types of problems are not necessarily causes for health concerns. For more information on taste, odor, or color of drinking water, please contact your Water District’s Operator at 281-651-1618.

In order to ensure that tap water is safe to drink, the EPA prescribes regulations that limit the amount of certain contaminants in water provided by public water systems. Food and Drug Administration regulations established limits for contaminants in bottled water that must provide the same protection for public health.

Special Notice for the Elderly, Infants, Cancer Patients, People with HIV/AIDS or Other Immune Problems

You may be more vulnerable than the general population to certain microbial contaminants, such as Cryptosporidium, in drinking water. Infants, some elderly, or immunocompromised persons such as those undergoing chemotherapy for cancer; persons 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 providers. Additional guidelines on appropriate means to lessen the risk of infection by Cryptosporidium are available from the Safe Drinking Water Hotline (800)-426-4791

Disinfection Residuals							
Year	Contaminant	Highest Avg Level Detected	Range of Detected Levels	Violation	MRDL	MRDLG	Source of Contaminant
2017	Chloramines	2.93	0.72–3.90	NO	4	4	Water additive used to control microbes.

Regulated Contaminants								
Disinfectants and Disinfection By-Products	Collection Date	Highest Level Detected	Range of Levels Detected	MCLG	MCL	Units	Violation	Likely Source of Contamination
Haloacetic Acids (HAA5)	2017	2	2.1–2.1	No Goal for the Total	60	ppb	NO	By-product of drinking water disinfection.
Total Trihalomethanes (TTHM)	2017	2	1.9–1.9	No Goal for the	80	ppb	NO	By-product of drinking water disinfection.

Inorganic Contaminants								
	Collection Date	Highest Level Detected	Range of Levels Detected	MCLG	MCL	Units	Violation	Likely Source of Contamination
Nitrate (measured as Nitrogen)	2017	0.04	0.04–0.04	10	10	ppm	NO	Runoff from fertilizer use; Leaching from septic tanks, sewage, Erosion of natural deposits.
Nitrite (measured as Nitrogen)	06/10/15	0.05	0.05–0.05	1	1	ppm	NO	Runoff from fertilizer use; Leaching from septic tanks, sewage, Erosion of natural

Lead and Copper	Date Sampled	MCLG	Action Level (AL)	90th Percentile	# Sites Over AL	Units	Violation	Likely Source of Contamination
Copper	2017	1.3	1.3	0.657	0	ppm	NO	Erosion of natural deposits; Leaching from wood preservatives; Corrosion of household plumbing systems.
Lead	2017	0	15	2.77	1	ppb	NO	Corrosion of household plumbing systems; Erosion of natural deposits.

Violation Type	Violation Begin	Violation End	Violation Explanation
Follow-up or Routine Tap M/R (LCR)	10/01/2014	06/21/2017	Failed to test our drinking water for lead and copper in period indicated. Because of this failure, we cannot be sure of the quality of our drinking water during the period indicated. Lead & Copper Sampling has been completed since reported date range and no violations were found.

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 test and is presented in the following pages. We hope this information helps you become more knowledgeable about what's in your drinking water.

Water Sources

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.

Where do we get our drinking water?

Our drinking water is both ground and surface water purchased from Harris County MUD 344. The ground water comes from the Evangeline Aquifer, while the surface water comes from the City of Houston.

The TCEQ has completed a Source Water Assessment for all drinking water systems that own their sources. The report 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 system(s) from which we purchase our water received the assessment report. For more information on source water assessments and protection efforts at our system, contact Water District at 281-651-1618

For more information about your sources of water, please refer to the Source Water Assessment Viewer available at the following url: <https://www.tceq.texas.gov/gis/swaview>

Further details about sources and source-water assessments are available in Drinking Water Watch at the following url: <http://dww2.tceq.texas.gov/DWW/>

Public Participation Opportunities

Date:	<u>1st Thursday of the month</u>
Time:	<u>12:00 P.M. (Noon)</u>
Location:	<u>1300 Post Oak Blvd #1400</u> <u>Houston, TX 77056</u>
Phone #	<u>713-623-4531</u>

En Español

Este informe incluye informacion importante sobre el agua potable. Si tiene preguntas o comentarios sobre este informe en Español, favor de llamar al tel. # (281) 651-1618-para hablar con una persona en Español.

Additional Health Information 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. We are 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 (800) 426-4791 or at <http://www.epa.gov/safewater/lead>.

Drinking Water Definitions & Units Description

Definitions

Avg: Regulatory compliance with some MCLs are based on running annual average of monthly samples.

Maximum Contaminant Level or MCL: 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 or MCLG: The level of 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 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.

Abbreviations

SCL—Secondary Contaminant Level
NA: Not Applicable
ND: Not Detected
NR: Not Reported
NTU - Nephelometric Turbidity Units
MFL - million fibers per liter (a measure of asbestos)
pCi/L - picocuries per liter (a measure of radioactivity)
ppm - parts per million, or milligrams per liter (mg/L)
ppb - parts per billion, or micrograms per liter
ppt - parts per trillion, or nanograms per liter
ppq - parts per quadrillion, or picograms per liter

2017

Drinking Water Quality Report



Consumer Confidence

Report (CCR)

<http://www.mmia.co/ccr/342>



281-651-1618

Harris County Municipal Utility District No. 342

Harris County MUD 342 utilizes both ground and surface water. The following data table shows the water quality information provided by the City of Houston on the water received from Lake Houston.

Regulated Contaminants

CONTAMINANT	Max Contaminant Level	Max Contaminant Level Goal	READING
Atrazine ($\mu\text{g/L}$)	3	3	0.91
Barium (mg/L)	2	2	0.0597
Di(2-ethylhexyl) phthalate ($\mu\text{g/L}$)	6	0	0.61
Nitrate (mg/L)	10	10	0.71

Turbidity	Lowest Monthly Percentage of Samples < 0.3 NTU	Max Turbidity (NTU)
Turbidity is a measure of water clarity how much the material suspended in water decreases the passage of light through the water. Suspended materials include soil particles (clay, silt, and sand), algae, plankton, microbes, and other substances.	100%	0.22

IMPORTANT INFORMATION ABOUT HOUSTON'S DRINKING WATER THAT WAS PROVIDED TO HC MUD 342

The Texas Commission on Environmental Quality (TCEQ) sets water quality standards for public drinking water. Samples taken in the Houston Main Public Water System (TX1010013) during October, November, and December 2017 were in compliance and met drinking water standards for bacteria; however, chlorine disinfectant residual levels during these months were below the TCEQ-required minimum standards in more than 5 percent of the samples taken, triggering this required notice.

This information is being provided because a portion of the water supplied to you originated in the City of Houston system. However, prior to reaching consumers the water is further tested and treated by Harris County MUD 342. In this instance, test results from HC MUD 342 during the City's noncompliance period indicate that despite the City's violation, the water provided by HC MUD 342 met the chlorine disinfectant residual level requirements.

A. WHAT SHOULD I DO? HOUSTON'S DRINKING WATER REMAINS SAFE. There is nothing you need to do.

B. WHAT DOES THIS MEAN? This is not an emergency. If it had been, you would have been notified within 24 hours.

C. WHAT IS BEING DONE?

Houston Water is:

- (1) monitoring chlorine levels at drinking water purification plants and throughout the water system to ensure regulatory compliance.
- (2) prioritizing field response by defining areas where disinfectant is low.
- (3) conducting maintenance to optimize water flow.

For more information about the nature and significance of this violation, call 311 or 713-837-0311 or email 311@houstontx.gov. Please state that you would like more information regarding this drinking water public notice.

This notice is being sent to you by the City of Houston Main Public Water System. State Water System ID¹ 1010013. Date distributed. January 2018

Pursuant to federal and state notice requirements, Houston Water is required to notify you that inadequately treated water may contain disease-causing organisms. These organisms include bacteria, viruses, and parasites which can cause symptoms such as nausea, cramps, diarrhea, and associated headaches.