

City of Sarasota Utilities Department

YOUR DRINKING WATER

2023 WATER QUALITY REPORT

The City of Sarasota wants you to know that your drinking water meets all health and safety standards. Our constant goal is to provide you with a safe and dependable supply of drinking water. Details may be found in this report, which is an annual information service required by federal and state regulations.

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YOUR DRINKING WATER

Your drinking water comes from deep-water wells tapping the Upper Floridan aquifer. Primary pumping locations include the Verna Wellfield, which is 15 miles east of the City of Sarasota, and the Downtown Wellfield, in the northwest area of the City.

The groundwater feeds two separate treatment processes – reverse osmosis and ion exchange softening. Water from both treatment processes is blended to make the final treated water. These resources meet all the City of Sarasota’s water needs and will for years to come.

Origins of Contaminants Found in all Drinking Waters

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.

Contaminants that may be present in source water include:

- (A) Microbial contaminants, such as viruses and bacteria, which may come from sewage treatment plants, septic systems, agricultural livestock operations, and wildlife.
- (B) Inorganic contaminants, such as salts and metals, which can be naturally occurring or result from urban stormwater

runoff, industrial or domestic wastewater discharges, oil and gas production, mining or farming.

- (C) Pesticides and herbicides, which may come from a variety of sources such as agriculture, urban stormwater runoff and residential uses.
- (D) 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 stormwater runoff, and septic systems.
- (E) Radioactive contaminants, which can be naturally occurring or be the result of oil and gas production and mining activities.

To ensure that tap water is safe to drink, the EPA prescribes regulations, which limit the amount of certain contaminants in water provided by public water systems. The U.S. Food and Drug Administration (FDA) regulations establish limits for contaminants in bottled water, which must provide the same protection for public health.

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."

Drinking Water Report for 2023

The City of Sarasota routinely monitors for contaminants in your drinking water according to federal and state laws, rules, and regulations. Except where indicated otherwise, this report is based on the results of our monitoring for the period of Jan. 1 to Dec. 31, 2023. Data obtained before Jan. 1, 2023 and presented in this report is from the most recent testing done in accordance with the laws, rules, and regulations.

In 2023 the Florida Department of Environmental Protection (DEP) performed a Source Water Assessment on our system and a search of the data sources indicated no potential sources of contamination near our wells. The assessment results are available on the DEP SWAPP website at <https://fldep.dep.state.fl.us/swapp/>

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. City of Sarasota 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 two 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>.

2023 WATER QUALITY REPORT

Stage 1 and Stage 2 Disinfectants and Disinfection By-Products

Disinfectant or Contaminant and Unit of Measurement	Dates of sampling (mo./yr.)	MCL Violation Y/N	Level Detected	Range of Results	MRDLG	MCL or MRDL	Likely Source of Contamination
Chlorine (ppm)	1/23-12/23	No	1.3	0.4-1.9	MRDLG=4	MRDL=4	Water additive used to control microbes
Haloacetic Acids [HAA5] (ppb)	1/23-12/23	No	10.1	7.73-13.6	NA	MCL=60	By-product of drinking water disinfection
Total Trihalomethanes [TTHM] (ppb)	1/23-12/23	No	56.1	48.1-59.5	NA	MCL=80	By-product of drinking water disinfection

For Chlorine, the level detected is the highest average of the quarterly averages of all sampling points. For Haloacetic Acids and TTHMs, the level detected is the highest average of all samples taken at a particular location during the previous 4 quarters. Range of Results is the range of individual sample results (lowest to highest) for all monitoring.

Inorganic Contaminants

Contaminant and Unit of Measurement	Dates of sampling (mo./yr.)	MCL Violation Y/N	Level Detected	Range of Results	MCLG	MCL	Likely Source of Contamination
Fluoride (ppm)	02/23	No	0.22	0.22	4	4	Erosion of natural deposits; discharge from fertilizer and aluminum factories. Water additive which promotes strong teeth when at the optimum level of 0.7 ppm
Sodium (ppm)	02/23	No	88.0	88.0	N/A	160	Salt water intrusion, leaching from soil

Barium (ppm)	02/23	No	0.0069	0.069	2	2	Discharge of drilling wastes; discharge from metal refineries; erosion of natural deposits
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Results in the Level Detected column for inorganic contaminants are the highest detected level at any sampling point.

Lead and Copper (Tap Water)

Contaminant and Unit of Measurement	Dates of (mo./yr.)	AL sampling Y/N	90th Violation Percentile Result	No. of sampling sites exceeding the AL	MCLG	AL (action level)	Likely Source of Contamination
Copper (tap water) (ppm)	6/22	No	0.13	0	1.3	1.3	Corrosion of household plumbing systems; erosion of natural deposits
Lead (tap water) (ppb)	6/22	No	1.0	0	0	15	Corrosion of household plumbing systems; erosion of natural deposits

Samples for copper and lead were taken in customer's homes after sitting in contact with copper pipes with tin-lead solder for 6-8 hours.

The real value is clear – only tap water delivers!

Definitions

AL (Action Level): the concentration of a contaminant which, if exceeded, triggers treatment or other requirements that a water system must follow.

HAA5s (Haloacetic Acids): a group of chlorinated chemicals that include Monochloroacetic Acid, Dichloroacetic Acid, Trichloroacetic Acid, Monobromoacetic Acid and Dibromoacetic Acid.

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.

MRDL (Maximum residual disinfection level): 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.

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 microbial contaminants.

NA: Not applicable.

ppb (Parts per billion) or Micrograms per liter (µg/l): one part by weight of analyte to 1 billion parts by weight of the water sample. A part per billion is like one minute in 2000 years or a single penny in \$10 million.

ppm (Parts per million) or Milligrams per liter (mg/l): one part by weight of analyte to 1 million parts by weight of the water sample. A part per million is like one minute in two years or a single penny on \$10,000.

TTHMs (Total Trihalomethanes): a group of chlorinated organic chemicals that include Chloroform, Bromoform, Bromodichloromethane and Dibromochloromethane.

90th percentile: the analytical result that is greater than or equal to 90% of the results.

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

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. U.S. Environmental Protection Agency/Center for Disease Control guidelines on appropriate means to lessen the risk of infection by *Cryptosporidium* and other microbiological contaminants are available from the Safe Drinking Water Hotline (800-426-4791).

The City of Sarasota 2023 PFAS Report

In December of 2023 the City of Sarasota performed **PFAS** testing as a part of the United States Environmental Protection Agency's (EPA) Fifth Unregulated Contaminant Monitoring Rule (UCMR5). Drinking water was analyzed by an independent laboratory for a revised list of 30 contaminants (29 PFAS plus lithium). Laboratory data revealed no detection of contaminants in the City of Sarasota drinking water. Another test is scheduled to be performed in mid-2024.

The City of Sarasota 2023 Water Quality Report

Si tiene alguna pregunta concerniente a este reporte ó a la calidad del agua por favor llamenos Jose Goitiz a (941) 263-6884. Asistencia en español esta disponible Lunes a Viernes de 7:00 a.m. a 3:30 p.m.

If you have questions regarding this report or your drinking water, please call (941) 263-6884. Assistance in Spanish is available Monday through Friday, 7:00 a.m. to 3:30 p.m.

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