



2024 Water Quality Report ***BAKER WATER SYSTEM, INC***

We're pleased to present to you this year's Annual Water Quality Report. This report is designed to inform you about the quality 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 sources are ground water from 2 wells. The wells draw from the Floridan Aquifer. Because of the excellent quality of our water, the only treatment required is chlorine for disinfection purposes.

In 2024 the Florida Department of Environmental Protection performed a Source Water Assessment on our system. The assessment was conducted to provide information about any potential sources of contamination in the vicinity of our wells. There are 2 potential source(s) of contamination identified for this system with low to moderate susceptibility level. The assessment results are available on the FDEP Source Water Assessment and Protection Program (SWAPP) website at <https://prodapps.dep.state.fl.us/swapp/> or they can be obtained from Baker Water System.

If you have any questions about this report or concerning your water utility, please contact Wanda Patterson at 850-537-5121. We encourage our valued customers to be informed about their water utility. If you want to learn more, please attend any of our regularly scheduled meetings. They are held on the 3rd Monday night in each month.

Baker Water System 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 January 1 to December 31, 2024. Data obtained before January 1, 2024, and presented in this report, is from the most recent testing done in accordance with the laws, rules, and regulations.

In the table on the next page, you may find unfamiliar terms and abbreviations. To help you better understand these terms we've provided the following definitions:

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

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

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 control microbial contaminants.

Not Detected (ND): Indicates that the substance was not found by laboratory analysis. There is no known or expected risk to health. MRDLGs do not reflect the benefits of the use of disinfectants to

Parts per billion (ppb) or Micrograms per liter ($\mu\text{g/l}$): One part by weight of analyte to 1 billion parts by weight of the water sample.

2024 TEST RESULTS TABLE

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
Inorganic Contaminants							
Arsenic (ppb)	JUN - 24	N	1.5	ND - 1.5	0	10	Erosion of natural deposits; runoff from orchards; runoff from glass and electronics production wastes
Barium (ppm)	JUN - 24	N	0.0046	ND – 0.0046	2	2	Discharge of drilling wastes; discharge from metal refineries; erosion of natural deposits
Fluoride (ppm)	JUN - 24	N	0.55	0.45 – 0.55	4	4.0	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)	JUN - 24	N	69.2	55.1 – 69.2	N/A	160	Salt water intrusion, leaching from soil
Stage 2 Disinfectants and Disinfection By-Products							
Disinfectant or Contaminant and Unit of Measurement	Dates of sampling (mo/yr)	MCL or MRDL Violation Y/N	Level Detected	Range of Results	MCLG or MRDLG	MCL or MRDL	Likely Source of Contamination
Chlorine (ppm)-Stage 1	JAN - DEC 2024	N	0.29	0.25-0.33	MRDLG = 4	MRDL = 4.0	Water additive used to control microbes By-product of drinking water disinfection
Haloacetic Acids (HAA5) (ppb)	AUG 2024	N	1.5	N/A		MCL=60	
Total Trihalomethanes (TTHM) (ppb)	AUG 2024	N	9.6	NA	N/A	MCL=80	By-product of drinking water disinfection

Lead and Copper (Tap Water)								
Contaminant and Unit of Measurement	Dates of sampling (mo/yr)	AL Exceeded (Y/N)	90 th Percentile Result	No. of sampling sites exceeding the AL	Range of Tap Sample Results	MCLG	AL (Action Level)	Likely Source of Contamination
Copper (tap water) (ppm)	JUN – SEP 2023	N	0.11	0 of 10	0.0043 – 0.11	1.3	1.3	Corrosion of household plumbing systems; erosion of natural deposits; leaching from wood preservatives
Lead (tap water) (ppb)	JUN – SEP 2023	N	0.8	0 of 10	ND – 2.8	0	15	Corrosion of household plumbing systems and service lines connecting buildings to water mains; erosion of natural deposits

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. Baker Water System is responsible for providing high quality drinking water and assuring the customer we have no lead piping in the water system, but cannot control the variety of materials used in plumbing components. You share the responsibility for protecting yourself and your family from the lead in your home plumbing. You can take responsibility by identifying and removing lead materials within your home plumbing and taking steps to reduce your family's risk.

Before drinking tap water, flush your pipes for several minutes by running your tap, taking a shower, doing laundry or a load of dishes. You can also use a filter certified by an American National Standards Institute accredited certifier to reduce lead in drinking water. If you are concerned about lead in your water and wish to have your water tested, contact Baker Water System and/or <http://www.epa.gov/safewater/lead>.

The Federal Environmental Protection Agency has revised the Lead and Copper rule for all public drinking water systems. They have mandated that drinking water systems produce an inventory list of all service line material. The service line is the piping that extends from our water main to the customer's meter as well as the piping that extends from the meter to the customer's home. Baker Water System has prepared this inventory in accordance with federal regulations. After all services for Baker Water System were dug up and cataloged, by our outside personnel, we are happy to inform you that **NONE OF OUR SERVICES ON THE BAKER WATER SYSTEM SIDE, OR THE CUSTOMER SIDE, HAD LEAD PIPING.** To view this service line inventory, you can visit the office during office hours or call 850-537-5121 and ask to speak with Debbie McLendon. If you prefer, this is the Oculus link to view the report

[https://depdms.dep.state.fl.us:443Oculus/servlet/shell?command=getEntity&\[guid=32.1705082.1\]&\[profile=Sampling](https://depdms.dep.state.fl.us:443Oculus/servlet/shell?command=getEntity&[guid=32.1705082.1]&[profile=Sampling)

Corrosion of pipe, plumbing fittings and fixtures may cause metals, including lead and copper, to enter drinking water. To assess corrosion of lead and copper, Baker Water System conducts tap sampling for lead and copper at selected sites, triannually. The most recent set of lead and copper tap sampling is available for review. To view the lead and copper tap sampling data, contact Wanda Patterson or visit the Oculus link below

[https://depdms.dep.state.fl.us:443Oculus/servlet/shell?command=getEntity&\[guid=32.1565862.1\]&\[profile=Sampling\]](https://depdms.dep.state.fl.us:443Oculus/servlet/shell?command=getEntity&[guid=32.1565862.1]&[profile=Sampling)

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 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.

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/Center for Disease Control (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 (800-426-4791).

As always, I must remind you to keep some water handy for emergencies, as we have no control over occasional outages. If we plan a project that requires the water to be off in your area, we will do our best to contact those affected, with the date and approximate duration. For these notifications, it is a really good idea to keep an up-to-date phone number on file with the office. For all of our customers, we hope this report gives you a "good feeling" about the water you drink. Baker has some of the best water in Florida. If for any reason you would like to talk to someone about this report, please call the office and ask to speak with Wanda.