

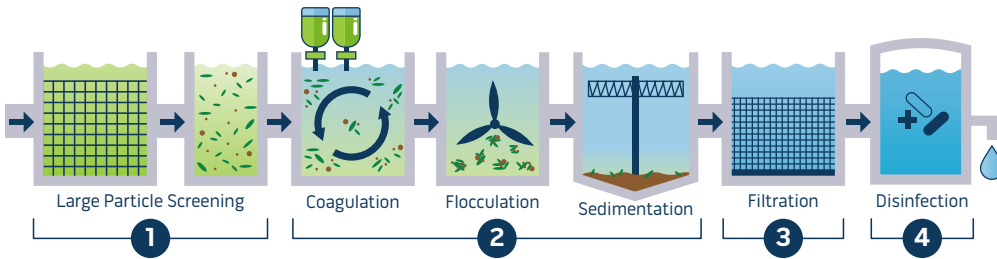
# 2025 WATER QUALITY REPORT



The City of Phoenix is committed to providing the highest quality tap water and reliable services to our residents, with rates that are among the lowest in the country. This Consumer Confidence Report, also known as a Water Quality Report, summarizes the results of millions of tests and measurements performed at Phoenix's water treatment plants and throughout the water distribution system. In 2025, tap water delivered to approximately 1.7 million residents served by the City of Phoenix Water Services Department met or surpassed all federal and state drinking water standards.

- To acquire this publication in an alternate format, contact the City of Phoenix Water Services Department at [watersmart@phoenix.gov](mailto:watersmart@phoenix.gov), or call 602-262-6251, or 711 for Telecommunications Relay Services.
- Este informe contiene información importante sobre su agua potable. Si desea esta publicación en español, o en un formato alternativo contactan el Departamento Municipal de Phoenix del Servicio del Agua, al 602-262-6251, ó 711/TTY.

## How Does Phoenix Produce Superior Drinking Water?



- 1) Screening and Presedimentation** - Large particles such as plant matter debris, and other materials commonly found in river water are removed by screens or settle to the bottom of the presedimentation basin.
- 2) Coagulation, Flocculation and Sedimentation** - A chemical coagulant, such as ferric chloride, is added to the water. This causes the tiny particles to cling together and become heavy enough to settle to the bottom of the basin.
- 3) Filtration** - The cleaner water on the top then passes through filters to remove remaining particulate matter.
- 4) Disinfection** - A small quantity of chlorine, a disinfectant, is added to kill disease causing microorganisms and prevent microbial growth. Also, a small quantity of fluoride is added to prevent tooth decay.

## Tier 3 CCR Notification Missed Sample for Revised Total Coliform Rule

For compliance with the Revised Total Coliform Rule (RTCR), the City must collect 360 routine samples monthly to monitor total coliform, E. coli, and chlorine. In May 2025, the City mistakenly counted six repeat verification samples in the total, ending with 359 routine samples instead of 360. We are required to monitor your drinking water for specific contaminants on a regular basis. Results of regular monitoring are an indicator of whether or not your drinking water meets health standards. During May 2025, we did not complete all monitoring for total coliform, E. coli and chlorine, and therefore cannot be sure of the quality of your drinking water during that time.

This incident posed no health risk, and if it had, customers would have been notified immediately. Coliform bacteria are generally harmless, no E. coli was found, and chlorine levels were within EPA limits. To prevent future errors, the City will schedule more than 360 routine samples each month and use real-time electronic reports.

Please share this information with all the other people who drink this water, especially those who may not have received this notice directly (for example, people in apartments, nursing homes, schools, and businesses). You can do this by posting this notice in a public place or distributing copies by hand or mail.

If you would like additional information or have questions about this notice, please contact The City of Phoenix at [WSDCompliance@phoenix.gov](mailto:WSDCompliance@phoenix.gov), call 602-262-6251 Monday through Friday, except holidays, from 8:00 a.m. to 5:00 p.m., or write to: "Water Quality Questions," c/o City of Phoenix Water Services Department, Environmental and Safety Division, 2474 S. 22nd Ave., Bldg. 31, Phoenix, AZ 85009.

## Where Does Our Water Come From?

The sources of Phoenix's drinking water include rivers, lakes, streams, springs and wells. In 2025, about 97-99 percent of Phoenix's water came from surface water that mostly started as snowpack. Phoenix's primary sources of untreated surface water are the Salt, Verde and Colorado rivers. Some water from the Agua Fria River is mixed with water from the Colorado River when stored in Lake Pleasant. The water is then delivered to one of the city's five water treatment plants. Colorado River water is delivered to the city via the Central Arizona Project (CAP) aqueduct. Water from the Salt and Verde rivers is delivered via the Salt River Project (SRP) canal network. The remaining two percent of drinking water was supplied by about 20 groundwater wells operated by the City.



CITY OF PHOENIX  
WATER SERVICES DEPARTMENT

QUALITY.  
RELIABILITY.  
VALUE.

PHOENIX.GOV/WATER /PHXWATER



## Tests Show No *Cryptosporidium* or *Giardia* in Our Drinking Water

Phoenix tests water for various microbiological organisms, including *Cryptosporidium* (often called **Crypto**, for short) and *Giardia*. **Crypto** and **Giardia** cause diarrheal illness through ingestion of soil, food, water or surfaces that have been contaminated with feces from infected humans or animals. There were no cases of the disease caused by either organism attributed to the public water supply in our service area. Occasionally low levels of **Giardia** and **Crypto** were found in raw water before it was treated by the water treatment plants. Phoenix did not detect any **Crypto** in our finished water.

Under the Long Term 2 Enhanced Surface Water Treatment Rule (LT2ESWTR), EPA requires Phoenix and other large water systems to conduct monthly monitoring for **Crypto** in their source water. The LT2ESWTR results determine if additional treatment is needed to remove these organisms. Phoenix monitored for **Crypto** at each water treatment plant from April 2015 until March 2017. Results range from not detected to 0.1 oocyst per liter of **Crypto** in the source water. Based on the monitoring results, Phoenix does not require any additional treatment. For more information about **Cryptosporidium**, **Giardia** and other microbial contaminants, contact the EPA's Safe Drinking Water Hotline at 800-426-4791 or visit [epa.gov/sdwa](http://epa.gov/sdwa).

## Water Quality and Substances Contained in Source Water

To ensure that tap water is safe to drink, the U.S. Environmental Protection Agency (EPA) prescribes regulations that 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.

It is reasonable to expect drinking water, including bottled water or water that passed through home treatment systems, to contain at least small amounts of some contaminants. 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. However, the presence of contaminants does not necessarily indicate that water poses a health risk.

Contaminants that may be present in source water include the following:

- Microbial contaminants, such as viruses and bacteria, that may be from wastewater treatment plants, septic systems, agricultural livestock operations, or wildlife;

- Inorganic contaminants, such as salts and metals, that 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, that 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, that are byproducts of industrial processes, petroleum production, and can also come from gas stations, urban storm water runoff, septic systems; and
- Radioactive contaminants that can be naturally occurring or can be the result of oil and gas production and mining activities.

More information about contaminants and potential health effects can be obtained by contacting the EPA Safe Drinking Water Hotline, 800-426-4791 or visiting the website [epa.gov/safewater](http://epa.gov/safewater). Information on bottled water can be obtained from the U.S. Food and Drug Administration.

## Phoenix Monitors for Unregulated Contaminants

Unregulated substances are those for which EPA has not established drinking water standards. Phoenix monitors for these substances to assist the EPA in determining the occurrence of unregulated contaminants in drinking water and whether future regulation is warranted. The EPA issues a new list of up to 30 unregulated substances for monitoring every five years.

EPA identified 30 substances for monitoring during this five-year Unregulated Contaminants Monitoring Rule 5 cycle including:

- 29 per- and polyfluoroalkyl substances (PFAS).
- One (1) metal that occurs naturally in our environment.

From January of 2023 through January of 2024 the City has been monitoring for unregulated substances. Any unregulated contaminants detected in 2023 thru 2024 are reported in the following table. No monitoring was required in 2025. If the EPA determines that regulation is warranted for any of the monitored substances, Phoenix will take whatever steps that are necessary to comply with the new requirements.

### UNREGULATED CONTAMINANTS

SUBSTANCE	UNITS	MCL	LOWEST LEVEL	HIGHEST LEVEL	AVERAGE	MAJOR SOURCE IN DRINKING WATER
Lithium	ppb	None	22.2	160	70.2	Naturally occurring metal that may concentrate in brine waters; lithium salts are used as pharmaceuticals, used in electrochemical cells, batteries, and in organic syntheses.
perfluorobutanoic acid (PFBA)	ppb	None	0.005	0.006	0.005	PFAS are a group of synthetic chemicals used in a wide range of consumer products and industrial applications including non-stick cookware, water-repellent clothing, stain-resistant fabrics and carpets, cosmetics, firefighting foams, electroplating, and products that resist grease, water, and oil. PFAS are found in the blood of people and animals and in water, air, fish, and soil at locations across the United States and the world.
perfluorobutanesulfonic acid (PFBS)	ppb	None	0.007	0.016	0.011	

# Controlling Disinfectants and Disinfection Byproducts

Phoenix's entire water supply (well water and treated surface water) is safely disinfected with chlorine before being delivered to consumers. Federal law requires a minimum chlorine disinfectant level of 0.2 parts per million (ppm) in the water leaving a water treatment plant. There also is a Maximum Residual Disinfectant Level (MRDL) allowed in the water in the distribution system as it travels to your tap.

While it is essential to disinfect the water to prevent widespread outbreaks of serious diseases and comply with EPA standards, the use of disinfectants can create disinfection byproducts (DBPs), which are formed when natural organic matter such as total organic carbon (TOC) in water reacts with chemicals used for disinfection.

To control those DBPs, TOC is measured in the surface water before and after treatment. TOC is reduced during the water treatment process at the plant, therefore, reducing

formation of DBPs in the distribution system. Compliance for TOC is based on the removal ratio of TOC on a running annual average. A value of 1 or greater indicates the water treatment plant is in compliance with the TOC removal requirements. Again, Phoenix met the requirement, as shown in the corresponding chart.

Chlorine dioxide and ozone can be used in the treatment of drinking water as either disinfectants or oxidants. Some Phoenix surface water treatment plants use chlorine dioxide and/or ozone as oxidants for the removal of iron and manganese, destruction of taste and odor causing organic contaminants, and as part of an overall program for the control of Trihalomethanes (THMs) formation. Federal law allows a maximum chlorine dioxide level of 800 parts per billion (ppb) in the water leaving a water treatment plant. Chlorine dioxide is measured daily at the water treatment

plants when chlorine dioxide is in use, and the levels are consistently below 800 ppb.

Using chlorine dioxide forms chlorite and using ozone forms bromate. Chlorite and bromate are regulated as DBPs. To determine formation of DBPs from oxidants, chlorite is sampled daily at the entry point of the distribution system, and quarterly throughout the distribution system. Bromate is sampled monthly at the entry point to the distribution system. The chlorite and bromate results were below the MCL.

To determine formation of DBPs from chlorine in the distribution system, the City monitors for THMs and Haloacetic Acids (HAAs) which are DBPs that may cause long-term health effects at certain concentrations. THMs and HAAs are sampled throughout the distribution system every calendar quarter. The LRAA for all samples collected at the monitoring locations throughout the distribution system were below the MCL.

## 2025 DISINFECTANT AND DISINFECTION BYPRODUCT MONITORING

SUBSTANCE	UNITS	MCL	MCLG	SAMPLE RESULTS	HIGHEST RUNNING ANNUAL AVERAGE	MAJOR SOURCE IN DRINKING WATER
Chlorine	ppm	MRDL = 4 Running Annual Average	MRDLG = 4	<0.24 - 1.9	0.84	Water additive used to control microbes
Total Organic Carbon Removal Ratio	NA	TT = 1 or greater Running Annual Average	NA	1.2 - 3.2	1.3 (lowest running annual average)	Naturally present in the environment
Chlorine Dioxide	ppb	MRDL = 800	MRDLG = 800	ND - 540	540 (highest level detected)	Water additive as an oxidant
Chlorite	ppm	1	0.8	ND - 0.7	0.3 (highest quarterly average)	Byproduct of drinking water disinfection
Bromate	ppb	10	0	ND - 5	ND	Byproduct of drinking water disinfection
Total Trihalomethanes (TTHMs)	ppb	80 Locational Running Annual Average	NA	4 - 68	49 (highest locational running annual average)	Byproduct of drinking water disinfection
Haloacetic Acids (HAA)	ppb	60 Locational Running Annual Average	NA	0.6 -26	17 (highest locational running annual average)	Byproduct of drinking water disinfection

## Understanding the Language of Water

The following are definitions of terms used to describe types of limits for substances that may be found in drinking water.

**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 Contaminant Level (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 Residual Disinfectant Level Goal (MRDLG)** - The level of 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.

**Maximum Residual Disinfectant Level (MRDL)** - The highest level of a disinfectant allowed in drinking water. There is convincing evidence that addition of a disinfectant is required for control of 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.

**One part per million** - One part per million (1 ppm) or one milligram per liter (1 mg/L) is approximately equal to a single penny in \$10,000 or one minute of time in two years.

**One part per billion** (1 ppb) or one microgram per liter (1 µg/L) is approximately equal to a single penny in \$10,000,000 or one minute of time in 1,920 years.

**Locational running annual average (LRAA)** - The average of sample analytical results for samples taken at a particular monitoring location during the previous four calendar quarters.

## Taste, Odor and Hardness

Taste, odor and hardness are not regulated under drinking water health standards. However, these are harmless, aesthetic aspects that some consumers may notice.

Algae that grow in the canals during the late summer and fall are a major source of a "musty" odor and taste detected by some consumers. When the algae bloom, they produce a strong odor. Even though the algae are removed from the water during the treatment process, the odor may linger. The result is similar to removing a bouquet of fresh flowers from a room. Even though the flowers are gone, the aroma remains.

The City of Phoenix is working to eliminate the aesthetic effects of algae through various

programs, including a cooperative effort to remove algae from the SRP canals that feed the water treatment plants, and the use of activated carbon to absorb residual odors.

Water hardness indicates the presence of minerals, such as calcium and magnesium, which originate from the soils our source water contacts as it travels to Phoenix's water treatment plants. These minerals are leached into the water. Hard water can cause some types of scaling in pipes and water heaters, and on plumbing fixtures such as faucets and showerheads. See the chart below for data about hardness and other aesthetic parameters.

### 2025 AESTHETIC WATER QUALITY ANALYSIS FROM DISTRIBUTION SYSTEM & SECONDARY DRINKING WATER GUIDELINES

SUBSTANCE	UNITS	SECONDARY GUIDELINE *	SAMPLE RESULTS RANGE
Alkalinity	ppm	NA	121 - 167
Iron	ppb	300	ND - 30
pH	NA	6.5 - 8.5	6.6 - 8.8
Sodium	ppm	NA	91 - 183
Temperature	°F	NA	47 - 92
Total Dissolved Solids (TDS)	ppm	500	464 - 716
Total Hardness	ppm; grains/gallon	NA	172 - 302 / 10 - 17.6

\* Non-Enforceable Guidelines Recommended by EPA.

*If you choose to install home treatment systems to remove taste and odor or other substances, it is important to note that failure to follow the manufacturer's instructions concerning operation and maintenance can result in potentially unsafe water. More information about home treatment systems is available from the Water Quality Association. They can be reached at [wqa.org](http://wqa.org); or [WQA@wqa.org](mailto:WQA@wqa.org).*

## Water Treatment Process Designed to Remove Turbidity

The filters in the water treatment process produce water of superior clarity. Turbidity readings are a measure of that water clarity and a good indicator that the treatment process is removing tiny particles, including microorganisms. The standard for turbidity or clarity after treatment is 0.3 Nephelometric Turbidity Units (NTU – a measure of clarity) in at least 95 percent of the measurements taken each month and the measurements must not exceed 1 NTU.

### 2025 TURBIDITY MONITORING AFTER TREATMENT AT THE WATER TREATMENT PLANTS

SUBSTANCE	TREATMENT TECHNIQUE APPLIES INSTEAD OF MCL	MCLG	HIGHEST MEASUREMENT	LOWEST MONTHLY PERCENTAGE	MAJOR SOURCE IN DRINKING WATER
Turbidity	No value can exceed 1 NTU and at least 95% of monthly measurements must be less than or equal to 0.3 NTU	NA	1 NTU	98.9%	Soil runoff

## Where to Learn More About the Quality of Our Water

If you have questions about this report, concerns about water quality, or input about your water supply, treatment and delivery, email [WSDCompliance@phoenix.gov](mailto:WSDCompliance@phoenix.gov), or call 602-262-6251 Monday through Friday, except holidays, from 8:00 a.m. to 5:00 p.m., or write to: "Water Quality Questions," c/o City of Phoenix Water Services Department, Environmental & Safety Division, 2474 South 22nd Avenue, Building 31, Phoenix AZ 85009.

Citizens who wish to address the Phoenix City Council about water issues or other non-agenda items may do so at City Council Formal meetings, which are held in the City Council Chambers, 200 W. Jefferson St. For information about specific meeting times and agenda items, please contact the City of Phoenix City Clerk Department at 602-262-6811 or visit [phoenix.gov](http://phoenix.gov) and click on City Administration, then City Clerk Department, then find link to Phoenix City Council Meetings.

For alternate formats, email [watersmart@phoenix.gov](mailto:watersmart@phoenix.gov), or call 602-262-6251/Voice, or 711 for Telecommunication Relay Services.

You also can visit the city's web site at [phoenix.gov](http://phoenix.gov) for more information. An online version of this report is available at [phoenix.gov/waterservices/waterquality](http://phoenix.gov/waterservices/waterquality), or scan the QR code.

You also may call the EPA's Safe Drinking Water Hotline for information about the Safe Drinking Water Act or EPA's other drinking water programs at 800-426-4791.



## Meeting Lead and Copper Standards

Exposure to lead in drinking water can cause serious health effects in all age groups. Infants and children can have decreases in IQ and attention span. Lead exposure can lead to new learning and behavior problems or exacerbate existing learning and behavior problems. The children of women who are exposed to lead before or during pregnancy can have increased risk of these adverse health effects. Adults can have increased risks of heart disease, high blood pressure, kidney or nervous system problems.

Lead and copper usually enter our drinking water from corrosion of household plumbing, pipes and fixtures that contain these metals, such as copper piping, lead solder or brass fixtures. The EPA requires water suppliers to perform periodic tests for lead and copper in the tap water from inside consumers' homes. Tests show levels in Phoenix household tap water met the Action Level required by federal drinking water standards for lead and copper.

While Phoenix meets the Action Level, lead and copper levels at some consumer's homes may be elevated due to leaching of the metals into the water from materials used in the household plumbing or fixtures. 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. The City of Phoenix 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 the City of Phoenix at [pipes@phoenix.gov](mailto:pipes@phoenix.gov). Information on lead in drinking water, testing methods, and steps you can take to minimize exposure is available at [epa.gov/safewater/lead](http://epa.gov/safewater/lead).

As required by the Lead and Copper Rule Revision, the City of Phoenix prepared a service line inventory. The purpose of the inventory was to determine if any of our service lines contain lead, galvanized pipe requiring removal, or unknown materials. For more information about the City's Service Line Inventory and to access the inventory please visit our website at [phoenix.gov/pipes](http://phoenix.gov/pipes) or contact us at [pipes@phoenix.gov](mailto:pipes@phoenix.gov).

In addition to performing the EPA required testing for lead and copper, the City also has an extensive corrosion control plan in place that was officially approved by local regulators. The City is careful to maintain an effective corrosion control program that meets federal lead and copper regulations and includes testing of pH, alkalinity and temperature every two weeks.

### 2024\* RESULTS OF LEAD AND COPPER SAMPLING FROM RESIDENTIAL WATER TAPS

SUBSTANCE	ACTION LEVEL (AL) APPLIES INSTEAD OF MCL	MCLG	90% OF TAPS WERE LESS THAN OR EQUAL TO THIS VALUE	SAMPLE RESULTS RANGE	NUMBER OF SITES ABOVE THE AL	MAJOR SOURCE IN DRINKING WATER
Lead	90% of taps tested must not exceed 15 ppb	0	3 ppb	ND - 41.8	Two (2) out of 56 taps sampled	Corrosion of household plumbing systems
Copper	90% of taps tested must not exceed 1.3 ppm	1.3	0.3 ppm	0.04 - 0.5	Zero (0) out of 56 taps sampled	Corrosion of household plumbing systems

\*No monitoring required in 2025

## Source Water Assessment Summary for the City Drinking Water Sources

The Arizona Department of Environmental Quality (ADEQ) conducted a source water assessment for the drinking water wells and the surface water sources for the City of Phoenix water treatment plants in 2005. This assessment reviewed the adjacent land uses that may pose a potential risk to the water sources. These risks include, but are not limited to, gas stations, landfills, dry cleaners, agricultural fields, wastewater treatment plants, and mining activities. Once ADEQ identified the adjacent land uses, they were ranked as to their potential to affect the water source.

The assessment has designated water from the Central Arizona Project (CAP) aqueduct to have a high risk because the source water is often stored in Lake Pleasant prior to being transported to a city water treatment plant. There have been reportable releases or spills of a substance at a facility near the lake that have not been reported as being remediated. The spill at this facility makes the CAP source water susceptible to potential future contamination.

Phoenix ensures the safety of your drinking water by continuously monitoring the treated water as required by drinking water regulations. Phoenix also conducts other monitoring and studies to assess water quality. If any contaminant approaches the drinking water MCL, treatment is installed or wells are removed from service.

Residents can help protect our water sources by practicing good septic system maintenance, taking hazardous household chemicals to hazardous material collection sites, and limiting pesticide and fertilizer use.

The complete report is available for review at ADEQ, 1110 W. Washington St., Phoenix, AZ 85007 or by requesting an electronic copy from ADEQ at [recordscenter@azdeq.gov](mailto:recordscenter@azdeq.gov).

For more information visit the ADEQ website at: [azdeq.gov/source-water-protection](http://azdeq.gov/source-water-protection), or email the City of Phoenix at [WSDCompliance@phoenix.gov](mailto:WSDCompliance@phoenix.gov), or call 602-262-6251.

## SUBSTANCES DETECTED IN DRINKING WATER IN 2025

Substances detected in the water and the Maximum Contaminant Level (MCL) allowed in drinking water according to federal and state regulations are shown in the table below. This report lists only the substances that were detected in the water. If you would like to receive a list of all the substances tested in city of Phoenix water, please email [WSDCompliance@phoenix.gov](mailto:WSDCompliance@phoenix.gov), or call 602-262-6251. **Please note, the presence of a substance or contaminant in drinking water does NOT necessarily indicate the drinking water poses a health risk.**

SUBSTANCE	UNITS	MCL	MCLG	SAMPLE RESULTS RANGE	HIGHEST ANNUAL AVERAGE	MAJOR SOURCE IN DRINKING WATER
Arsenic**	ppb	10-Running Annual Avg.	0	ND - 8.5	7	Erosion of natural deposits; Runoff from orchards; Runoff from glass and electronics production wastes.
Barium	ppm	2	2	0.007 - 0.13	NA	Discharge of drilling wastes; Discharge from metal refineries; Erosion of natural deposits.
Chromium	ppb	100	100	ND - 87	NA	Discharge from steel and pulp mills; Erosion of natural deposits.
Fluoride	ppm	4	4	0.3 - 1.1	NA	Erosion of natural deposits; Water additive, which promotes strong teeth; Discharge from fertilizer and aluminum factories.
Nitrate*** (as N)	ppm	10	10	ND - 4.5	3.8	Runoff from fertilizer use; Leaching from septic tanks, sewage; Erosion of natural deposits.
Selenium	ppb	50	50	ND - 2.2	NA	Discharge from petroleum and metal refineries; erosion of natural deposits; discharge from mines.
Xylenes	ppm	10	10	ND - 0.0025	0.0025	Discharge from petroleum factories; discharge from chemical factories.

**\*\*While your drinking water meets EPA's standard for arsenic, it does contain low levels of arsenic. 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. \*\*\*Nitrate in drinking water at levels greater than 10 ppm is a health risk for infants of less than six months of age. High nitrate levels in drinking water can cause blue baby syndrome. Nitrate levels may rise quickly for short periods of time because of rainfall or agricultural activity. If you are caring for an infant, you should ask for advice from your health care provider.**

SUBSTANCE	UNITS	MCL	MCLG	SAMPLE RESULTS RANGE	MAJOR SOURCE IN DRINKING WATER
Uranium	ppb	30	0	ND - 4.6	Erosion of natural deposits
Alpha Emitters	pCi/L	15	0	ND - 1.6	Erosion of natural deposits
Combined Radium	pCi/L	5	0	ND - 0.8	Erosion of natural deposits

### ABBREVIATIONS / FOOTNOTES USED IN TABLES

<b>NA</b>	Not Applicable
<b>ND</b>	Not Detected (substance was analyzed but not detected)
<b>pCi/L</b>	Picocuries per liter (a measure of radioactivity)

## 2025 MICROBIOLOGICAL MONITORING IN THE DISTRIBUTION SYSTEM

SUBSTANCE	MCL	MCLG	E. COLI MCL VIOLATION	MAJOR SOURCE IN DRINKING WATER
Total Coliform Bacteria	TT (Level 1 or Level 2 Assessment)	NA	NA (Level 1 or Level 2 assessment not required)	Naturally present in the environment
<b>E. coli</b> Bacteria	Routine and repeat samples are total coliform-positive and either is <b>E. coli</b> -positive or system fails to take repeat samples following <b>E. coli</b> -positive routine sample or system fails to analyze total coliform-positive repeat sample for <b>E. coli</b> .	0	No violation-zero (0) <b>E. coli</b> detected	Human or animal fecal waste

## Important Information for Immuno-compromised Persons

Although the City treats our water to meet or surpass all drinking water standards, 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. The U.S. Environmental Protection Agency (EPA) and Centers for Disease Control (CDC) guidelines on appropriate means to lessen the risk of infection by Cryptosporidium and other microbial contaminants are available from the EPA Safe Drinking Water Hotline at 800-426-4791 or online at [epa.gov/safewater](http://epa.gov/safewater).

### ADDITIONAL INTERNET SITES THAT PROVIDE INFORMATION ABOUT YOUR DRINKING WATER

Arizona Department of Health Services  
[azdhs.gov](http://azdhs.gov)

Maricopa County Environmental Services Dept.  
[maricopa.gov/envsvc](http://maricopa.gov/envsvc)

U.S. Environmental Protection Agency  
[water.epa.gov/drink](http://water.epa.gov/drink)

Centers for Disease Control  
[cdc.gov](http://cdc.gov)

Arizona Department of Environmental Quality  
[azdeq.gov](http://azdeq.gov)