

This report is a snapshot of your water quality. Included are details about where your water comes from, what it contains, and how it compares to standards set by regulatory agencies. We are committed to providing you with information because informed customers are our best allies.

Do I Need to Take Special Precautions?

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 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 Safe Water Drinking Hotline (800-426-4791).

Water Quality Table

The table below lists all of the drinking water contaminants detected during the calendar year of this report. The presence of contaminants in the water does not necessarily indicate that the water poses a health risk. Unless otherwise noted, the data presented in this table is from testing done in the calendar year of the report. The EPA or the State requires monitoring for certain contaminants less than once per year because the concentrations of these contaminants do not change frequently.

			Your	Ra	nge	Sample		
Contaminants	MRDLG	MRDL	Water	Low	High	Date	Violation	Typical Source
Disnfectants:	1	T	T				ı	
Chlorine Units: ppm	4	4	0.6536	0.02	1.64	2020	No	Drinking water additive used for disinfection
Contaminants	MCLG	MCL	Your Water	Low	nge High	Sample Date	Violation	Typical Source
Disinfection By-P	roduct:							
Five Haloacetic Acids (HAA5) Units: ppb	N/A	60	1.4	N/A	N/A	2020	No	By-product of drinking water chlorination
Total Trihalomethanes (TTHMs) Units: ppb	N/A	80	3	N/A	N/A	2020	No	By-product of drinking water chlorination
Inorganic Contar	ninants:					•		
Arsenic Units: ppb	0	10	6.1	5.3	6.1	2020	No	Erosion of natural deposits; runoff from orchards; glass and electronic production wastes
Barium Units: ppm	2	2	0.079	0.04	0.079	2020	No	Discharge of oil drilling wastes and from metal refineries; erosion of natural deposits
Chromium Units: ppb	100	100	3.3	2.3	3.3	2020	No	Discharge from steel and pulp mills and chrome plating; erosion of natur- deposits
Fluoride Units: ppm	4	4	0.66	0.57	0.66	2020	No	Erosion of natural deposits; water additive which promotes strong teeth; discharge from fertilizer and alumimum factories
Nitrate [reported as Nitrogen] Units: ppm	10	10	6.8	3.5	6.8	2020	No	Runoff and leaching from fertilizer use; leaching from septic tanks, sewage; erosion of natural deposits
Selenium Units: ppb	50	50	3.2	1.9	3.2	2019	No	Discharge from petroleum, glass and metal refineries; erosion of natural deposits; discharge from mines an chemical manufacturers; runoff
Sodium Units: ppm			170	130	170	2020	N/A	Erosion of natural deposits; salt water intrusion
Radiological Con	taminants:			1	1			
Uranium (combined) Units: ppb	0	30	23.5	6.8	26	2020	No	Erosion of natural deposits
Contaminants	MCLG	Action Level	Your Water	Sites	ber of Over	Sample Date	A.L. Exceeded	Typical Source
Lead and Copper	Rule:							
Copper Units: ppm-90 th Percentile	1.3	1.3	0.22		e over n level	2020	No	Corrosion of household plumbing systems; erosion of natural deposits; leach from wood preservatives
Lead Units: ppb-90 th Percentile	0	15	0.65		e over n level	2020	No	Corrosion of household water plumbing systems discharges from industrial manufacturers erosion of natural

Microbiological Testing:

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icad to required correcti	ive actions. The informati	on below summarizes the	results of those tests.	
Sampling Requirements	Sampling Conducted (months)	Total E. coli Positive	Assessment Triggers	Assessments Conducted
7 Sample due monthly	12 out of 12	0	0	0

Definitions:	
Term	Definition
positives samples	the number of positive samples taken that year
% positive samples/month	% of samples taken monthly that were positive
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.
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.
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.

Why Are There Contaminants in My Drinking Water?

Drinking water, include 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 Environmental Protection Agency's Safe Drinking Water Hotline (800–426–4791).



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 including:

microbial contaminants, such as viruses and bacteria, that 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 stormwater 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 stormwater 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 stormwater runoff, and septic systems; and radioactive contaminants, which can be naturally occurring or be the result of oil and gas production and mining activities.

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

	1 m=		Your	Ra	nge	Sample		
Contaminants	MRDLG	MRDL	Water	Low	High	Date	Violation	Typical Source
Disnfectants:	,	1			•			
Chlorine Units: ppm	4	4	0.7217	0.22	1.37	2020	No	Drinking water additive used for disinfection
Contaminants	MCLG	MCL	Your Water	Low	nge High	Sample Date	Violation	Typical Source
Disinfection By-P	roduct:					l		
Five Haloacetic Acids (HAA5) Units: ppb	N/A	60	2.3	ND	2.3	2020	No	By-product of drinking water chlorination
Total Trihalomethanes (TTHMs) Units: ppb	N/A	80	2.05	2	2.1	2020	No	By-product of drinking water chlorination
Inorganic Contar	ninants:							
Arsenic Units: ppb	0	10	7.6	5	8.4	2020	No	Erosion of natural deposits; runoff from orchards; glass and electronic production wastes
Barium Units: ppm	2	2	0.077	N/A	N/A	2019	No	Discharge of oil drilling wastes and from metal refineries; erosion of natural deposits
Cadmium Units: ppb	5	5	0.2	N/A	N/A	2019	No	Internal corrosion of galvanizxed pipes; erosion of natural deposits; discharge from electroplating and industrial chemical factories and metal
Chromium Units: ppb	100	100	8.8	N/A	N/A	2019	No	Discharge from steel and pulp mills and chrome plating; erosion of natural deposits
Fluoride Units: ppm	4	4	0.61	N/A	N/A	2019	No	Erosion of natural deposits; water additive which promotes strong teeth; discharge from fertilizer and alumimum factories
Nitrate [reported as Nitrogen] Units: ppm	10	10	2.4	0.85	2.4	2020	No	Runoff and leaching from fertilizer use; leaching from septic tanks, sewage; erosion of natural deposits
Selenium Units: ppb	50	50	1.4	N/A	N/A	2019	No	Discharge from petroleum, glass and metal refineries; erosion of natural deposits; discharge from mines and chemical manufacturers; runoff
Sodium Units: ppm			290	N/A	N/A	2019	N/A	Erosion of natural deposits; salt water intrusion
Contaminants	MCLG	Action Level	Your Water	Sites	ber of Over .L.	Sample Date	A.L. Exceeded	Typical Source
Lead and Copper	· Rule:							
Copper Units: ppm-90 th Percentile	1.3	1.3	0.051		e over n level	2020	No	Corrosion of household plumbing systems; erosion of natural deposits; leach from wood preservatives
Lead Units: ppb-90 th Percentile	0	15	0.5		e over n level	2020	No	Corrosion of household water plumbing systems; discharges from industrial manufacturers; erosion of

Microbiological Testing:

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lead to required corrective	actions. The information	below summarizes the res	ults of those tests.	
Sampling Requirements	Sampling Conducted (months)	Total E. coli Positive	Assessment Triggers	Assessments Conducted
25 Sample due monthly	12 out of 12	0	0	0

Definitions:	
Term	Definition
ppm	parts per million, or milligrams per liter (mg/L)
ppb	parts per billion, or microgram per liter (ug/L)
ND	Not Detected
N/A	Not Applicable
TT	Treatment Technique: A required process intended to reduce the level of a contaminant in drinking water.
AL	Action Level: The concentration of a contaminant which, if exceeded, Triggers treatment or other requirements which a water system must follow.
90 th Percentile	Statistical value used to determine if Active Level is exceeded. Determined by calculating the value at which 90% of the samples tested were below that value.

How Can I Get Involved?

Please feel free to contact the number provided below for more information or for a translated copy of the report if you need it is another language.

* 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. *

For more information please contact:

Department of Public Works, Chris Huang, Water/Wastewater Operations Manager PO Box G, 186 S. Skill Center Road, Sacaton, Arizona, 85147 Phone: (520) 796-4532 Fax: (520) 796-4539

	Public W	ater Syste	m #09040	0691 Aerodyne -	- 2020 Wat	er Quality T	able
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	MDDI G	MDDI	Your	Range	Sample	¥71 1 41	m . 16

Contaminants	MRDLG	MRDL	Your	Ka	nge	Sample	Violation	Typical Source
			Water	Low	High	Date		-5 F
Disnfectants:			1	1	1	ı		
Chlorine Units: ppm	4	4	0.5908	0.5	0.7	2020	No	Drinking water additive used for disinfection
Contaminants	MCLG	MCL	Your Water	Ra Low	nge High	Sample Date	Violation	Typical Source
Disinfection By-P	roduct:							
Five Haloacetic Acids (HAA5) Units: ppb	N/A	60	1.4	N/A	N/A	2020	No	By-product of drinking water chlorination
Total Trihalomethanes (TTHMs) Units: ppb	N/A	80	7.1	N/A	N/A	2020	No	By-product of drinking water chlorination
Inorganic Contan	ninants:			<u> </u>		<u>l</u>		
Arsenic Units: ppb	0	10	5.9	N/A	N/A	2019	No	Erosion of natural deposits; runoff from orchards; glass and electronic production wastes
Barium Units: ppm	2	2	0.11	N/A	N/A	2019	No	Discharge of oil drilling wastes and from metal refineries; erosion of natural deposits
Chromium Units: ppb	100	100	9	N/A	N/A	2019	No	Discharge from steel and pulp mills and chrome plating; erosion of natural deposits
Nitrate [reported as Nitrogen] Units: ppm	10	10	1.7	N/A	N/A	2020	No	Runoff and leaching from fertilizer use; leaching from septic tanks, sewage; erosion of natural deposits
Selenium Units: ppb	50	50	3.1	N/A	N/A	2019	No	Discharge from petroleum, glass and metal refineries; erosion of natural deposits; discharge from mines and chemical manufacturers; runoff
Sodium Units: ppm			190	N/A	N/A	2019	190	Erosion of natural deposits; salt water intrusion
Radiological Con	taminants:							
Combined Radium 226/228 Units: pCi/L	0	5	0.7	N/A	N/A	2018	No	Erosion of natural deposits
Contaminants	MCLG	Action Level	Your Water	Sites	ber of Over .L.	Sample Date	A.L. Exceeded	Typical Source
Lead and Copper	Rule:							
Copper Units: ppm-90 th Percentile	1.3	1.3	0.0965		e over n level	2020	No	Corrosion of household plumbing systems; erosion of natural deposits; leach from wood preservatives
Lead Units: ppb-90 th Percentile	0	15	0.825		e over n level	2020	No	Corrosion of household water plumbing systems; discharges from industrial manufacturers; erosion of natural deposits

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ı	lead to required correcti	ve actions. The informati	on below summarizes the	results of those tests.	
	Sampling Requirements	Sampling Conducted (months)	Total E. coli Positive	Assessment Triggers	Assessments Conducted
ı	1 Sample due monthly	12 out of 12	0	0	0

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Your w							ter Quality T icts served a	able re Districts 5.
Contaminants	MRDLG	MRDL	Your Water	Ra Low	nge High	Sample Date	Violation	Typical Source
Disnfectants:	I	l					I	l
Chlorine Units: ppm	4	4	0.86	0.22	1.33	2020	No	Drinking water additive used for disinfection
Contaminants	MCLG	MCL	Your Water	Ra Low	nge High	Sample Date	Violation	Typical Source
Disinfection By-P	roduct:					•		
Five Haloacetic Acids (HAA5) Units: ppb	N/A	60	2	N/A	N/A	2020	No	By-product of drinking water chlorination
Total Trihalomethanes (TTHMs) Units: ppb	N/A	80	7.5	N/A	N/A	2020	No	By-product of drinking water chlorination
Inorganic Contan	ninants:							
Arsenic Units: ppb	0	10	6.8	6.6	6.8	2020	No	Erosion of natural deposits; runoff from orchards; glass and electronic production wastes
Barium Units: ppm	2	2	0.071	0.064	0.071	2020	No	Discharge of oil drilling wastes and from metal refineries; erosion of natural deposits
Chromium Units: ppb	100	100	2.8	ND	2.8	2020	No	Discharge from steel and pulp mills and chrome plating; erosion of natural deposits
Fluoride Units: ppm	4	4	0.89	ND	0.89	2020	No	Erosion of natural deposits; water additive which promotes strong teeth; discharge from fertilizer and alumimum factories
Nitrate [reported as Nitrogen] Units: ppm	10	10	8.4	1.3	8.4	2020	No	Runoff and leaching from fertilizer use; leaching from septic tanks, sewage; erosion of natural deposits
Selenium Units: ppb	50	50	2.3	ND	2.3	2020	No	Discharge from petroleum, glass and metal refineries; erosion of natural deposits; discharge from mines and chemical manufacturers; runoff
Sodium Units: ppm			190	150	190	2020	N/A	Erosion of natural deposits; salt water intrusion
Radiological Con	taminants:							
Uranium (combined) Units: ppb	0	30	11.9	7.897	11.92	2017	No	Erosion of natural deposits
Contaminants	MCLG	Action Level	Your Water	Sites	ber of Over L.	Sample Date	A.L. Exceeded	Typical Source
Lead and Copper	Rule:							
Copper Units: ppm-90 th Percentile	1.3	1.3	0.147		over level	2020	No	Corrosion of household plumbing systems; erosion of natural deposits; leach from

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icad to required correct.	ve actions. The informati	on below summarizes the	results of those tests.	
Sampling Requirements	Sampling Conducted (months)	Total E. coli Positive	Assessment Triggers	Assessments Conducted
3 Sample due monthly	12 out of 12	0	0	0

Your Range Sample VIII II
Your water comes from 2 ground water sources. Community District served is District The two ground water sources are from Public Water System #090400047 & #09040009.

The two ground water sources are from Public Water System #090400047 & #090400092.										
Contaminants	MRDLG	MRDL	Your Water	Low	nge High	Sample Date	Violation	Typical Source		
Disnfectants:										
Chlorine Units: ppm	4	4	0.7786	0.15	1.49	2020	No	Drinking water additive used for disinfection		
Contaminants	MCLG	MCL	Your Water	Low	nge High	Sample Date	Violation	Typical Source		
Disinfection By-Product:										
Five Haloacetic Acids (HAA5) Units: ppb	N/A	60	5.4	N/A	N/A	2020	No	By-product of drinking water chlorination		
Total Trihalomethanes (TTHMs) Units: ppb	N/A	80	48	N/A	N/A	2020	No	By-product of drinking water chlorination		
Inorganic Contar	ninants:	•		L		•				
Arsenic Units: ppb	0	10	6.8	5.3	6.8	2020	No	Erosion of natural deposits; runoff from orchards; glass and electronic production wastes		
Barium Units: ppm	2	2	0.079	0.04	0.079	2020	No	Discharge of oil drilling wastes and from metal refineries; erosion of natural deposits		
Chromium Units: ppb	100	100	3.3	ND	3.3	2020	No	Discharge from steel and pulp mills and chrome plating; erosion of natural deposits		
Fluoride Units: ppm	4	4	0.89	ND	0.89	2020	No	Erosion of natural deposits; water additive which promotes strong teeth; discharge from fertilizer and alumimum factories		
Nitrate [reported as Nitrogen] Units: ppm	10	10	8.4	1.3	8.4	2020	No	Runoff and leaching from fertilizer use; leaching from septic tanks, sewage; erosion of natural deposits		
Selenium Units: ppb	50	50	3.2	ND	3.2	2020	No	Discharge from petroleum, glass and metal refineries; erosion of natural deposits; discharge from mines and chemical manufacturers; runoff		
Sodium Units: ppm			190	130	190	2020	N/A	Erosion of natural deposits; salt water intrusion		
Radiological Con	taminants:									
Uranium (combined) Units: ppb	0	30	23.5	6.8	26	2017- 2020	No	Erosion of natural deposits		
Contaminants	MCLG	Action Level	Your Water	Sites	ber of Over .L.	Sample Date	A.L. Exceeded	Typical Source		
Lead and Copper	Rule:									
Copper Units: ppm-90 th Percentile	1.3	1.3	0.34		e over n level	2020	No	Corrosion of household plumbing systems; erosion of natural deposits; leach from wood preservatives		
Lead Units: ppb-90 th Percentile	0	15	0.57		e over n level	2020	No	Corrosion of household water plumbing systems; discharges from industrial manufacturers; erosion of natural deposits		

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Sampling Requirements	Sampling Conducted (months)	Total E. coli Positive	Assessment Triggers	Assessments Conducted
3 Sample due monthly	12 out of 12	0	0	0

Special Education Statements:

Additional Information for Arsenic

While your drinking water meets the EPA standard for arsenic, it does contain low levels of arsenic. The EPA standard balances the current understanding of arsenic's possible health effects against the costs of removing arsenic from drinking water. The 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.

Additional Information for Nitrate

Nitrate in drinking water at levels above 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.

Additional 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. PWS system 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 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 at 1-800-426-4791 or at http://www.epa.gov/your-drinking-water/basic-information-about-lead-drinking-water.

Significant Deficiences:

Sanitary deficiencies are defects in a water system's infrastructure, design, operation, maintenance, or management that cause, or may cause interruptions to the "multiple barrier" protection system and adversely affect the system's ability to produce safe and reliable drinking water in adequate quantities.

The following is a listing of significant deficiencies that have yet to be corrected. Your public water system is still working to correct these deficiencies and interim milestones are shown, as applicable.

Deficiency Title: Cross-Connection Control Program (CCCP)

Date Identified: 3/6/2019 Overall Due Date: 12/31/2021

Deficiency Description: When drinking water piping connects to various plumbing fixtures, contamination may occur if the connections are improperly protected. For example, when a backflow event occurs, it may allow contaminates to reverse flow from the fixture/equipment back into the drinking water piping. Your water system has several service connections that could be considered high risk in terms of backflow. These connections are separated from the water system by backflow prevention assemblies. However, the assemblies are not reliable unless tested annually and, when necessary, repaired. To provide an additional level of sanitary protection for your water system, a formal written program should be developed and implemented.

Corrective Action Plan: Cross-connections and backflow into the distribution system present a significant threat to the public's health. We are in the process of developing and implementing the cross-connection control program to protect public water systems from the hazards originating on the premises of our customers & temporary connections that may impair or alter the water in the public water system. The program will include annual inspection and testing of all backflow prevention assemblies by facilities owner.