

# YOUR 2013 WATER QUALITY REPORT



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**EPCOR** WATER

## Safety. Quality. Community. You'll hear these words spoken often around EPCOR.

For EPCOR, being your water and wastewater utility is more than providing a service. The communities that we serve – your community – are our homes, too.

We take great pride in being your neighborhood utility and the quality of life and the quality of the water is important to us at a personal level. At EPCOR, taking care of you and your water supply is serious business. Providing high-quality, safe, reliable water—and protecting it for future generations—is an important part of what we do every day.

That's a responsibility we don't take for granted, and that's why you're receiving this report.

Each year we send you a summary of the results obtained from testing your water in state-certified drinking water analysis labs. And we'll tell you what that analysis means.



In 2013, the water that EPCOR Water provided to you surpassed or met all federal and state primary drinking water quality regulations.

We're proud of this record, and we're dedicated to upholding these results.

If you have questions about this report, our Customer Care team is here to help 24 hours a day, seven days a week. You can call us at 1-800-383-0834 or email us at [mywater@epcor.com](mailto:mywater@epcor.com).

Thank you for caring about your water and for helping us to protect and manage the water we deliver to you. We invite you to learn more about your community's water and being water wise at [epcor.com](http://epcor.com).

Sincerely,

**Joe Gysel**

President, EPCOR Water (USA) Inc.

## ABOUT THIS REPORT

### YOU WANT TO KNOW WHAT'S IN THE WATER YOU'RE DRINKING

As your water service provider, we're committed to ensuring the quality and safety of that water. That's why you are receiving this annual water quality report from us. We hope it will help you understand your community's water a little better and what we're doing to protect it.

### WHAT WILL I FIND IN THIS REPORT?

This report complies with state and U.S. Environmental Protection Agency (EPA) drinking water regulations.

In it you'll find information on:

- **Where your water comes from**
- **Protecting your water**
- **What's in your water**

The information in this report is compiled from data from labs certified in drinking water analysis.

### READ THIS REPORT – AND SHARE IT!

Reading this report and understanding your community's water is the first step. But it's also important to share this information with those who might not receive it directly. Please share the report with water users in your community if you're a landlord, business, school or hospital.

### QUESTIONS?

**EPCOR Water Customer Care:**

**1-800-383-0834/mywater@epcor.com**

Este informe contiene información muy importante sobre su agua potable. Tradúzcalo o hable con alguien que lo entienda bien.

**1-800-383-0834/mywater@epcor.com.**

# ABOUT YOUR WATER

## MOHAVE DISTRICT

### ABOUT YOUR DISTRICT

- EPCOR provides water service to approximately 16,000 billed customers, serving a large portion of the community of Bullhead City in Mohave County.
- The service area also includes the stand-alone systems of Camp Mohave and Rio Vista Ranches located just outside of the Bullhead City limits to the south in unincorporated parts of the county
- In addition, the Mohave district provides water service to an independent water system (Gateway) approximately 40 miles south of Bullhead City.

### WHERE YOUR WATER COMES FROM

- Groundwater pumped from the Lake Mohave Basin

### GROUNDWATER WELLS – AND PROTECTING THEM TOGETHER

#### The Lake Mohave Basin

- A narrow strip of land bounded by the Colorado River on the west and the Black Mountains to the east
- Groundwater is found in the alluvial sand, silt and gravel deposits adjacent to the Colorado River and Lake Mohave

#### How we protect your groundwater

We protect water sources by ensuring proper well construction and system operations and management.

#### How you can help

Properly dispose of hazardous household chemicals on hazardous material collection days and limit your pesticide and fertilizer use.

For information on household hazardous material collection days in your area, contact **Arizona Department of Environmental Quality** at 602-771-2300 or [Earth911.org](http://Earth911.org).

### NOTICE OF SOURCE WATER ASSESSMENT

In 2004, the Arizona Department of Environmental Quality completed a source water assessment for the one well used by EPCOR—Camp Mohave and two wells used at Lake Mohave Highlands. The assessment reviewed the adjacent land uses that may pose a potential risk to the sources. These risks include, but are not limited to, gas stations, landfills, dry cleaners, agriculture 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 sources. The results of the assessments found that there were no adjacent land uses in the vicinity of either of the wells.

The complete assessment is available for inspection at the Arizona Department of Environmental Quality, 1110 W. Washington, Phoenix, AZ 85007, between the hours of 8 a.m. and 5 p.m. Electronic copies are available from ADEQ at [dml@azdeq.gov](mailto:dml@azdeq.gov).

For more information please contact **ADEQ** at 602-771-4560 or visit [www.azdeq.gov/environment/dw/swap.html](http://www.azdeq.gov/environment/dw/swap.html).

# WHAT YOU CAN EXPECT TO FIND IN YOUR WATER

## SOURCES OF DRINKING WATER

The sources of drinking water—both tap water and bottled water—include rivers, lakes, streams, ponds, reservoirs, springs and wells. As water travels over land surfaces or through the ground, it can acquire naturally occurring minerals. In some cases it can also acquire radioactive material and substances resulting from the presence of animals or from human activity.



Drinking water, including bottled water, may reasonably be expected to contain at least small amounts of some contaminants. The presence of these 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 EPA's Safe Drinking Water Hotline at 1-800-426-4791.

## ENSURING YOUR WATER IS SAFE

To ensure that tap water is safe to drink, the EPA prescribes regulations limiting the amount of certain contaminants in water provided by public water systems. To ensure bottled water is safe to drink, U.S. Food and Drug Administration regulations establish limits for contaminants in bottled water.



## SUBSTANCES THAT MAY BE PRESENT IN SOURCE WATER

**Microbial Contaminants**, such as viruses and bacteria, which may come from sewage treatment plants, septic systems, agricultural livestock operations or wildlife.

**Inorganic Contaminants**, such as salts and metals, which can be naturally occurring or may 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 may also come from gas stations, urban stormwater runoff and septic systems.

**Radioactive Contaminants**, which can be naturally occurring or may be the result of oil and gas production and mining activities.

# WHAT YOU CAN EXPECT TO FIND IN YOUR WATER



## SPECIAL HEALTH INFORMATION

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 may be particularly at risk from infections. These people should seek advice about drinking water from their healthcare providers. EPA/CDC (Centers for Disease Control and Prevention) guidelines on appropriate means to lessen the risk of infection by cryptosporidium and other microbial contaminants are available from the **EPA's Safe Drinking Water Hotline** at **1-800-426-4791**.

### Lead

EPCOR monitored the water for lead and copper in 2010 at 30 residences throughout the community and met the federal lead and copper standards. The 30 houses sampled were representative of the types of houses throughout the system. If your house was sampled you would have received the analytical results. 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. EPCOR 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** or at [www.epa.gov/safewater/lead](http://www.epa.gov/safewater/lead).

## BACKFLOW PREVENTION

Under state law, you are responsible for testing and maintaining your backflow device in working order. EPCOR Water has a backflow prevention program that ensures proper installation and maintenance of backflow prevention devices throughout our system.

### What's a backflow device and what does it do?

Your backflow device is an essential tool in protecting the water supply from possible contamination. Backflow prevention devices range from vacuum breakers on household hose bibs to large commercial reduced-pressure principal devices found throughout our system. These devices ensure hazards originating on customers' property and from temporary connections do not impair or alter the water in our water distribution system. Return of any water to our water distribution system after the water has been used for any purpose on the customer's premises or within the customer's piping system is unacceptable.

## HOME WATER TREATMENT UNITS

Failure to perform maintenance on your home water treatment unit can result in poor water quality. If you installed a home treatment system such as a water softener or reverse osmosis system to improve taste or odor, remember to follow the manufacturer's instructions on operation and maintenance. For more information, contact the manufacturer of your water treatment system for maintenance instructions or assistance. Additional information about home water treatment systems is available from the **Arizona Water Quality Association** at **480-947-9850** or by writing to 6819 E. Diamond St., Scottsdale, AZ 85257.

# FREQUENTLY ASKED QUESTIONS

## WHY IS CHLORINE ADDED TO MY DRINKING WATER?

Chlorine is added to your water for your protection and is used as a disinfectant to ensure that harmful organisms, such as bacteria and viruses are destroyed in the treatment process.

## WILL MY HOME TREATMENT DEVICE REMOVE CHLORINE?

Some home treatment devices can remove chlorine. Once chlorine is removed, the water should be treated like any other food and used as quickly as possible. We recommend that you follow the manufacturer's instructions for maintaining the device to ensure water quality.

## ARE THERE OTHER WAYS TO REMOVE THE CHLORINE TASTE OR SMELL FROM MY WATER?

To remove the taste of chlorine from your water, try these tips:

- Place water in a glass container in the refrigerator overnight, uncovered. This will let the chlorine dissipate
- Bring your water to a rolling boil for five minutes and let it stand to cool
- Add a slice of lemon or a few drops of lemon juice to your glass of drinking water



## WHAT IS THE WHITE OR COLORED CRYSTAL DEPOSIT ON MY DISHES OR FAUCETS?

In most cases, the crystals or sediments left behind after water evaporates are calcium carbonate. The amount of calcium in the water is referred to as hardness.

Cleaning with white vinegar can help to dissolve and remove crystal deposits. Using a commercial conditioner, liquid detergents or the "air-dry" option in dishwashers can help to decrease the calcium carbonate found on dishes.

## ARE THE CRYSTALS OR WATER HARDNESS HARMFUL?

Hardness and/or crystals don't pose a health concern and can be beneficial to our customer's health. We don't treat drinking water for water hardness that can result in crystals.

## WHAT IS THE LEVEL OF HARDNESS IN MY WATER?

The hardness in your water ranges from 8 to 53 grains per gallon (gpg), depending on which service area you live in.

The degrees of water hardness are as follows:

### Degree of water hardness Range (gpg)

Soft	Less than 1
Slightly Hard	1.0 to 3.4
Moderately Hard	3.5 to 6.9
Hard	7.0 to 10.4
Very Hard	Greater than 10.5

# DEFINITION OF TERMS

**gpg (grains per gallon):** Used to describe the dissolved hardness minerals contained in water and is a unit of weight that equals 1/7,000 of a pound.

**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.

**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.

**MRDL (Maximum Residual Disinfectant 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 Disinfectant 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.

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

**NA:** Not Applicable.

**ND:** None Detected.

**pCi/L (Picocuries per Liter):** Measurement of the natural rate of disintegration of radioactive contaminants in water (also beta particles).



**ppb (Parts per Billion):** One part substance per billion parts water (or micrograms per liter).

**ppm (Parts per Million):** One part substance per million parts water (or milligrams per liter).

**ppt (Parts per Trillion):** One part substance per trillion parts water (or nanograms per liter).

**TTHM (Total Trihalomethanes):** Consist of Chloroform, Bromoform, Bromodichloromethane and Dibromochloromethane.

**HAA5 (Haloacetic Acids):** Consist of Monochloroacetic Acid, Dichloroacetic Acid, Trichloroacetic Acid, Bromoacetic Acid and Dibromoacetic Acid.

**SMCL (Secondary Maximum Contaminant Level):** Non-enforceable guidelines regulating contaminants that may cause cosmetic effects or aesthetic effects in drinking water.

**Total Dissolved Solids:** An overall indicator of the amount of minerals in water.

# WHAT'S IN YOUR WATER



## HOW TO READ YOUR WATER QUALITY TABLE

Below, you'll see an analysis of your drinking water.

**Here's an example of how to read these tables:**

Start here and read across	2013 or year prior	The goal level for that substance	Highest level of substance allowed	Highest amount that was found	Highest and lowest amounts found	Yes means the amount found is below gov't requirements	Where substance usually originates
<b>Substance (units)</b>	<b>Year Sampled</b>	<b>MCLG</b>	<b>MCL</b>	<b>Highest Amount Detected</b>	<b>Range of Detections</b>	<b>Compliance Achieved</b>	<b>Typical Sources</b>

## YOUR WATER QUALITY TABLE

The data shown in the tables below are results from commercial laboratories certified in drinking water analysis by the Arizona Department of Health Services.

The table shows what substances were detected in your drinking water during 2013 or the last required sampling period.

### Regulated Substances Detected in the Water Leaving the Treatment Facility

### DESERT FOOTHILLS/LAUGHLIN RANCH

Substance (units)	Year Sampled	MCLG	MCL	Highest Amount Detected	Range of Detections	Compliance Achieved	Typical Source
Arsenic (ppb)	2013	NA	10	2.6	2.6	YES	Erosion of natural deposits
Barium (ppm)	2013	2	2	0.01	0.01	YES	Erosion of natural deposits
Chromium (ppb)	2013	100	100	9.1	9.1	YES	Erosion of natural deposits
Fluoride (ppm)	2013	4.0	4.0	1.0	1.0	YES	Erosion of natural deposits
Nitrate (ppm)	2013	10	10	3.4	3.4	YES	Runoff from fertilizer use, leaching from septic tanks
Alpha emitters (pCi/L)	2013	0	15	3.8	3.8	YES	Erosion of natural deposits

# WHAT'S IN YOUR WATER

## Regulated Substances Detected in the Distribution System

### DESERT FOOTHILLS/LAUGHLIN RANCH

Substance (units)	Year Sampled	MCLG/MRDLG	MCL/MRDL	Average Amount Detected	Range of Detections	Compliance Achieved	Typical Source
TTHMs (ppb)	2013	NA <sup>1</sup>	80	ND	ND	YES	By-product of drinking water disinfection
HAA <sub>5</sub> (ppb)	2013	NA <sup>1</sup>	60	ND	ND	YES	By-product of drinking water disinfection
Chlorine residual (ppm)	2013	4	4.0	0.32	0.13 - 0.51	YES	Water additive used to control microbes

## Tap Water Samples: Lead and Copper Results

### DESERT FOOTHILLS/LAUGHLIN RANCH

Substance (units)	Year Sampled	MCLG	Action Level	90th Percentile	Number of Samples	Number of Samples above Action Level	Compliance Achieved	Typical Source
Copper (ppm)	2013	1.3	1.3	0.11	10	0	YES	Corrosion of household plumbing systems; erosion of natural deposits
Lead (ppb)	2013	0	15	6.1	10	0	YES	Corrosion of household plumbing systems; erosion of natural deposits

## Unregulated Substances Detected in the Water Leaving the Treatment Facility

### DESERT FOOTHILLS/LAUGHLIN RANCH

Substance (units)	Year Sampled	Range of Detections	Typical Source
Chloride (ppm)	2011	53	Erosion of natural deposits
Hardness (grains/gallon)	2011	8	Natural calcium and magnesium content
Sodium (ppm)	2013	100	Erosion of natural deposits
Sulfate (ppm)	2011	131	Erosion of natural deposits
Total Dissolved Solids (ppm)	2011	446	Erosion of natural deposits

# WHAT'S IN YOUR WATER

## Regulated Substances Detected in the Water Leaving the Treatment Facility

### RIO VISTA RANCHES

Substance (units)	Year Sampled	MCLG	MCL	Highest Amount Detected	Range of Detections	Compliance Achieved	Typical Source
Arsenic (ppb)	2013	NA	10	8.1 <sup>2</sup>	ND-8.1	YES	Erosion of natural deposits
Chromium (ppb)	2013	100	100	1.2	ND-1.2	YES	Erosion of natural deposits
Fluoride (ppm)	2013	4.0	4.0	3.2 <sup>3</sup>	0.2-3.2	YES	Erosion of natural deposits
Nitrate (ppm)	2013	10	10	5.5 <sup>4</sup>	0.9-5.5	YES	Runoff from fertilizer use, leaching from septic tanks
Alpha emitters (pCi/L)	2013	0	15	10.9	0.8-10.9	YES	Erosion of natural deposits
Combined Radium (pCi/L)	2013	0	5	0.8	ND-0.8	YES	Erosion of natural deposits

## Regulated Substances Detected in the Distribution System

### RIO VISTA RANCHES

Substance (units)	Year Sampled	MCLG/MRDLG	MCL/MRDL	Average Amount Detected	Range of Detections	Compliance Achieved	Typical Source
TTHMs (ppb)	2013	NA <sup>1</sup>	80	2.0	2	YES	By-product of drinking water disinfection
HAA <sub>5</sub> (ppb)	2013	NA <sup>1</sup>	60	ND	ND	YES	By-product of drinking water disinfection
Chlorine residual (ppm)	2013	4	4.0	0.18	ND - 0.38	YES	Water additive used to control microbes

## Tap Water Samples: Lead and Copper Results

### RIO VISTA RANCHES

Substance (units)	Year Sampled	MCLG	Action Level	90th Percentile	Number of Samples	Number of Samples above Action Level	Compliance Achieved	Typical Source
Copper (ppm)	2013	1.3	1.3	0.058	5	0	YES	Corrosion of household plumbing systems; erosion of natural deposits
Lead (ppb)	2013	0	15	2.5	5	0	YES	Corrosion of household plumbing systems; erosion of natural deposits

# WHAT'S IN YOUR WATER

## Regulated Substances Detected in the Water Leaving the Treatment Facility

CAMP MOHAVE

Substance (units)	Year Sampled	MCLG	MCL	Highest Amount Detected	Range of Detections	Compliance Achieved	Typical Source
Arsenic (ppb)	2012	NA	10	2	2	YES	Erosion of natural deposits
Barium (ppm)	2012	2	2	0.03	0.03	YES	Erosion of natural deposits
Fluoride (ppm)	2012	4.0	4.0	0.6	0.6	YES	Erosion of natural deposits
Alpha emitters (pCi/L)	2009	0	15	9.8	9.8	YES	Erosion of natural deposits

## Regulated Substances Detected in the Distribution System

CAMP MOHAVE

Substance (units)	Year Sampled	MCLG/ MRDLG	MCL/ MRDL	Average Amount Detected	Range of Detections	Compliance Achieved	Typical Source
TTHMs (ppb)	2013	NA <sup>1</sup>	80	72	69-79	YES	By-product of drinking water disinfection
HAA <sub>5</sub> (ppb)	2013	NA <sup>1</sup>	60	8.4	3.2-11	YES	By-product of drinking water disinfection
Chlorine residual (ppm)	2013	4	4.0	0.34	0.02 - 1.2	YES	Water additive used to control microbes

## Tap Water Samples: Lead and Copper Results

CAMP MOHAVE

Substance (units)	Year Sampled	MCLG	Action Level	90th Percentile	Number of Samples	Number of Samples above Action Level	Compliance Achieved	Typical Source
Copper (ppm)	2013	1.3	1.3	0.15	5	0	YES	Corrosion of household plumbing systems; erosion of natural deposits
Lead (ppb)	2013	0	15	1.5	5	0	YES	Corrosion of household plumbing systems; erosion of natural deposits

# WHAT'S IN YOUR WATER

## Unregulated Substances Detected in the Water Leaving the Treatment Facility

### CAMP MOHAVE

Substance (units)	Year Sampled	Range of Detections	Typical Source
Chloride (ppm)	2011	299	Erosion of natural deposits
Hardness (grains/gallon)	2013	47-53	Natural calcium and magnesium content
Manganese (ppm)	2013	ND-0.17	Erosion of natural deposits
Sodium (ppm)	2012	320	Erosion of natural deposits
Sulfate (ppm)	2013	880-950	Erosion of natural deposits
Total Dissolved Solids (ppm)	2013	1,800-2,000	Erosion of natural deposits

## Regulated Substances Detected in the Water Leaving the Treatment Facility

### LAKE MOHAVE HIGHLANDS

Substance (units)	Year Sampled	MCLG	MCL	Highest Amount Detected	Range of Detections	Compliance Achieved	Typical Source
Arsenic (ppb)	2012	NA	10	4.1	4.1	YES	Erosion of natural deposits
Barium (ppm)	2012	2	2	0.07	0.07	YES	Erosion of natural deposits
Fluoride (ppm)	2012	4.0	4.0	0.5	0.5	YES	Erosion of natural deposits
Nitrate (ppm)	2013	10	10	0.4	0.4	YES	Runoff from fertilizer use, leaching from septic tanks
Alpha emitters (pCi/L)	2012	0	15	6.9	6.9	YES	Erosion of natural deposits
Combined Radium (pCi/L)	2012	0	5	1.3	1.3	YES	Erosion of natural deposits

## Regulated Substances Detected in the Distribution System

### LAKE MOHAVE HIGHLANDS

Substance (units)	Year Sampled	MCLG/ MRDLG	MCL/ MRDL	Average Amount Detected	Range of Detections	Compliance Achieved	Typical Source
TTHMs (ppb)	2013	NA <sup>1</sup>	80	14	14	YES	By-product of drinking water disinfection
HAA <sub>5</sub> (ppb)	2013	NA <sup>1</sup>	60	1.8	1.8	YES	By-product of drinking water disinfection
Chlorine residual (ppm)	2013	4	4.0	0.32	0.17 - 0.5	YES	Water additive used to control microbes

# WHAT'S IN YOUR WATER

## Tap Water Samples: Lead and Copper Results

## LAKE MOHAVE HIGHLANDS

Substance (units)	Year Sampled	MCLG	Action Level	90th Percentile	Number of Samples	Number of Samples above Action Level	Compliance Achieved	Typical Source
Copper (ppm)	2013	1.3	1.3	0.037	10	0	YES	Corrosion of household plumbing systems; erosion of natural deposits
Lead (ppb)	2013	0	15	2.6	10	0	YES	Corrosion of household plumbing systems; erosion of natural deposits

## Unregulated Substances Detected in the Water Leaving the Treatment Facility

## LAKE MOHAVE HIGHLANDS

Substance (units)	Year Sampled	Range of Detections	Typical Source
Chloride (ppm)	2011	302	Erosion of natural deposits
Hardness (grains/gallon)	2011	21	Natural calcium and magnesium content
Sodium (ppm)	2012	160	Erosion of natural deposits
Sulfate (ppm)	2011	142	Erosion of natural deposits
Total Dissolved Solids (ppm)	2011	810	Erosion of natural deposits

# WHAT'S IN YOUR WATER

**Year Sampled:** The state requires us to monitor for certain substances less than once per year because the concentrations of these substances do not change frequently. In these cases, the most recent sample data are included, along with the year in which the sample was taken.

**<sup>1</sup>TTHM/HAA5:** Although there is no MCLG for this contaminant group, there are individual MCLGs for some of the individual contaminants: Trihalomethanes: bromodichloromethane (zero); bromoform (zero); dibromochloromethane (0.06 mg/L), chloroform (0.07 mg/L), Haloacetic acids: dichloroacetic acid (zero); trichloroacetic acid (0.3 mg/L). Monochloroacetic acid, bromoacetic acid and dibromoacetic acid are regulated with this group but have no MCLGs.

**<sup>2</sup>Arsenic:** The EPCOR arsenic removal facility continues to produce water with arsenic levels below the current federal and state standards. While your drinking water meets EPA's standard for arsenic, it does contain low levels of arsenic. EPA's standard balances the current understanding of arsenic's possible health effects against the cost of removing arsenic from drinking water. 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.

**<sup>3</sup>Elevated Fluoride Levels detected:** This is an alert about your drinking water and a cosmetic dental problem that might affect children under nine years of age. At low levels, fluoride can help prevent cavities, but children who drink water containing more than 2 milligrams per liter (mg/L) of fluoride may develop cosmetic discoloration of their permanent teeth (dental fluorosis). This problem occurs only in the developing teeth, before they erupt from the gums. Children under nine years of age should be provided with alternative sources of drinking water or water that has been treated to remove the fluoride to avoid the possibility of staining and pitting of their permanent teeth. You may also want to contact your dentist about proper use by

young children of fluoride-containing products. Older children and adults may safely drink the water. Drinking water containing more than 4mg/L of fluoride (the U.S. Environmental Protection Agency's drinking water standard) can increase your risk of developing bone disease. Your drinking water does not contain more than 4mg/L of fluoride, but we're required to notify you when we discover that the fluoride levels in your drinking water exceed 2mg/L because of the cosmetic dental problem. Some home water treatment units are also available to remove fluoride from drinking water. To learn more about available home water treatment units, you may call NSF International at 1-877-867-3435 or the Arizona Water Quality Association at 480-947-9850. Please share this information with all the other people who drink this water, especially those who may not have and businesses). You can do this by posting this notice in a public place or distributing copies by hand or mail.

**<sup>4</sup>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 seek advice from your healthcare provider.

## ADDITIONAL MONITORING

In addition to the parameters listed in this table, other parameters were monitored for, including regulated pesticides, herbicides, petroleum by-products and metals. None of those parameters were detected in the water.

If you have any questions about this report or your drinking water, please call our **Customer Care** team at **1-800-383-0834**.



**WATER**

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