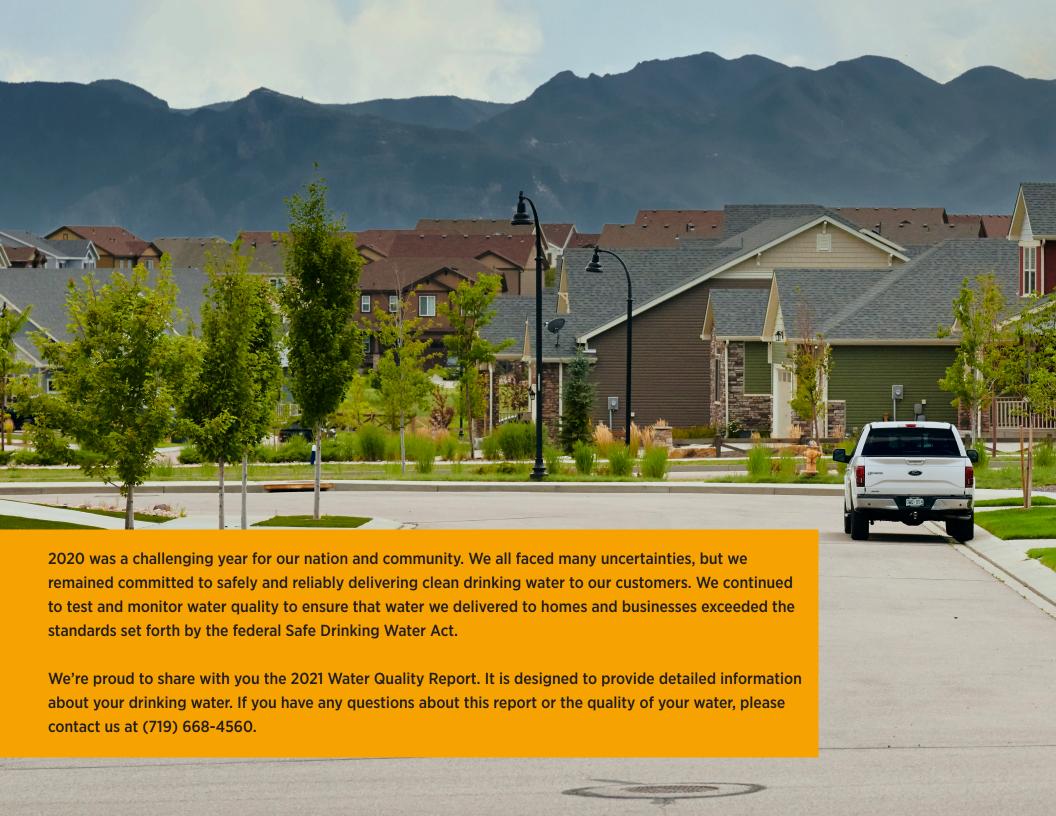
TODAY WE WORK TOMORROW

2021 DRINKING WATER QUALITY REPORT

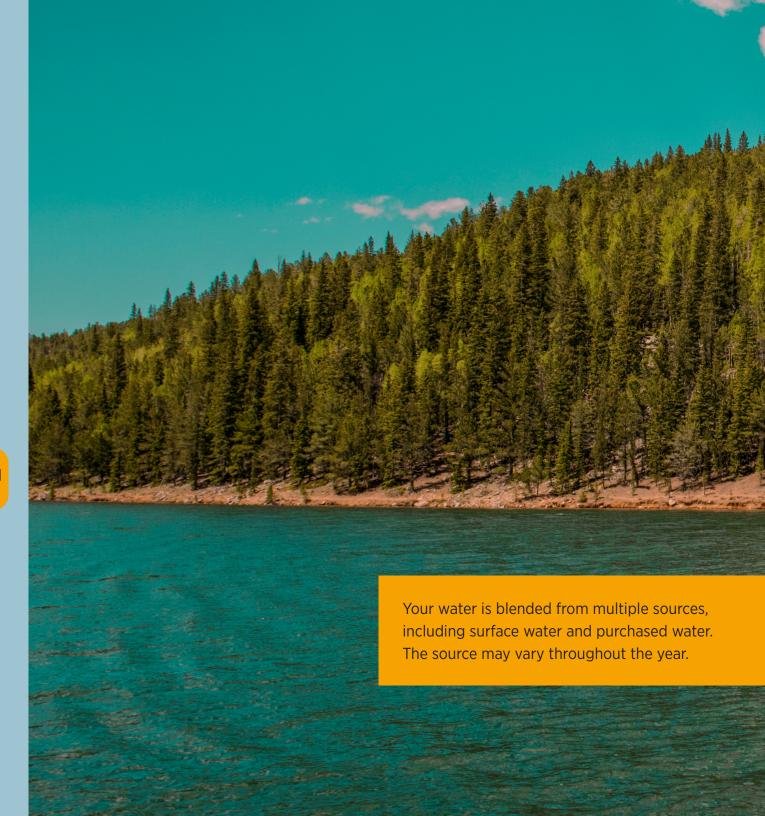






DRINKING SOURCES

WHERE DOES YOUR WATER COME FROM?



Mountain water sources

With no major water source nearby, much of our raw water collection system originates from nearly 200 miles away, near Aspen, Leadville and Breckenridge. Almost 75% of our water originates from mountain streams. Water from these streams is collected and stored in numerous reservoirs along the Continental Divide. Collection systems in these areas consist of the Homestake, Fryingpan-Arkansas, Twin Lakes and Blue River systems.

The majority of this raw water is transferred to our city through pipelines that help protect it from contamination, such as herbicides, pesticides, heavy metals and other chemicals. After the long journey, water is stored locally at Rampart Reservoir and the Catamount Reservoirs on Pikes Peak.

Local surface sources

To supplement the water received from the mountain sources, we divert water from local surface water collection systems including:

- North and South Slopes of Pikes Peak Catamount Reservoirs, Crystal Reservoir, South Slope Reservoirs and tributaries
- North and South Cheyenne Creeks
- Fountain Creek
- Monument Creek Pikeview Reservoir
- Northfield Watershed Rampart and Northfield Reservoirs
- Pueblo Reservoir

Local ground water sources

In July 2015, we deactivated two wells on the Denver aquifer (500-700 feet deep) and two wells on the Arapahoe aquifer (900-1,000 feet deep). We no longer use these wells.

Purchased water source

Fountain Valley Authority or FVA (PWSID#CO0121300) receives water from the Fryingpan-Arkansas Project – a system of pipes and tunnels that collects water in the Hunter-Fryingpan Wilderness Area near Aspen. Water collected from this system is diverted to the Arkansas River, near Buena Vista, and then flows about 150 miles downstream to Pueblo Reservoir. From there, the water travels through a pipeline to a water treatment plant before being delivered to Colorado Springs.

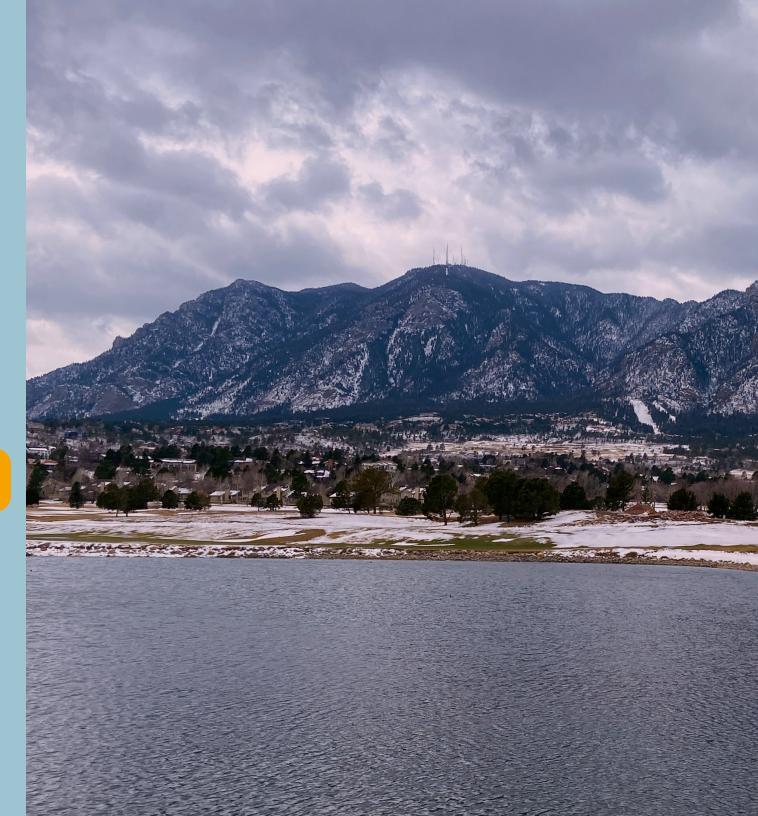
Water treatment

All water sources are treated at one of our six treatment plants prior to entering our drinking water distribution system, an intricate system of tanks, pumps and pipes that ultimately deliver water to your home or business.

COLORADO SOURCE WATER ASSESSMENT AND PROTECTION

SOURCE WATER ASSESSMENT REPORT

To obtain a copy from the Colorado Department of Public Health, please visit https://cdphe.colorado.gov/ccr or contact Laboratory Services at (719) 668-4560.



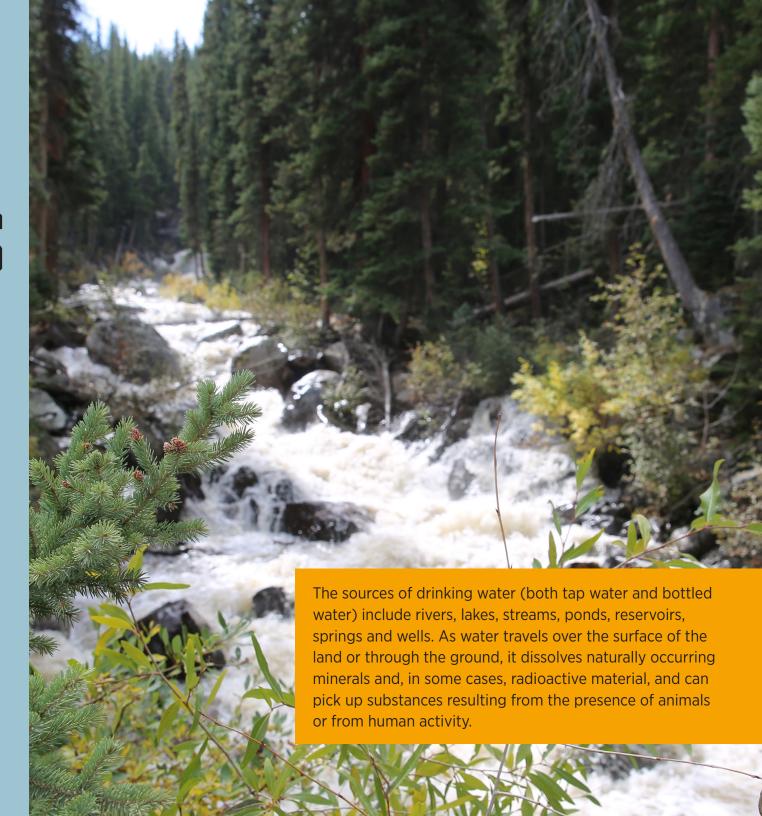
The Source Water Assessment Report provides a screening level evaluation of potential contamination that could occur. It does not mean that the contamination has occurred or will occur. We can use this information to evaluate the need to improve our current water treatment capabilities and prepare for future contamination threats. This can help us ensure that quality finished water is delivered to your home. In addition, the source water assessment results provide a starting point for developing a source water protection plan.

Potential sources of contamination to our source water areas may come from:

- Environmental Protection Agency (EPA) Superfund Sites
- EPA Abandoned Contaminated Sites
- EPA Hazardous Waste Generators
- EPA Chemical Inventory/Storage Sites
- EPA Toxic Release Inventory Sites
- Permitted Wastewater Discharge Sites
- Aboveground, Underground and Leaking Storage Tank Sites
- Solid Waste Sites
- Existing/Abandoned Mine Sites
- Concentrated Animal Feeding Operations
- Other Facilities
- Commercial/Industrial Transportation
- · High-and-Low-Intensity Residential
- Urban Recreational Grasses
- Quarries/Strip Mines/Gravel Pits
- Agricultural Land (row crops, small grain, pasture/hay, orchards/vineyards, fallow and other)
- Forest
- Septic Systems
- Oil/Gas Wells
- Road Miles (runoff from the roads)

The results of the source water assessment are not a reflection of our treated water quality or the water you receive, but rather a rating of the susceptibility of source water contamination under the guidelines of the Colorado State Wildlife Action Plan.

WATER CONTAMINANTS





Contaminants that may be present in source water include:

- Microbial contaminants, such as viruses and bacteria, which may come from sewage treatment plants, septic systems, agricultural livestock operation 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 that 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 come from gas stations, urban stormwater runoff and septic systems.
- Radioactive contaminants that can be naturally occurring or the result of oil and gas production and mining activities.

In order to ensure that tap water is safe to drink, the Colorado Department of Public Health and Environment prescribes regulations limiting the amount of certain contaminants in water provided by public water systems. The Food and Drug Administration regulations establish limits for contaminants in bottled water that must provide the same protection for public health.





LEAD AND FLUORIDE IN ORINKING WATER



Lead in drinking water

If present, elevated levels of lead can cause serious health problems (especially for pregnant women and young children). It is possible that lead levels at your home may be higher than other homes in the community as a result of materials used in your home's plumbing. If you are concerned about lead in your water, you may wish to have your water tested. When your water has been sitting for several hours, you can minimize the potential for lead exposure by flushing your tap for 30 seconds to two minutes before using water for drinking or cooking. Additional information on lead in drinking water, testing methods and steps you can take to minimize exposure is available from the Safe Drinking Water Hotline (1-800-426-4791) or at http://www.epa.gov/safewater/lead.

Fluoride in drinking water

Fluoride is a compound found naturally in many places, including soil, food, plants, animals and the human body. It is also found naturally at varying levels in all our water sources. We do not add fluoride to your drinking water. Any fluoride in the drinking water comes naturally from our source waters.

Per- and polyfluoroalkyl substances (PFAS)

PFAS are man-made chemicals present in food packaging, commercial household products, drinking water sources and manufacturing facilities. Currently, PFAS are not regulated under the National Primary Drinking Water Regulations. However, the EPA did issue a health advisory for specific perfluorinated compounds (PFOA and PFOS) of 70 parts per trillion (ppt). We tested for 18 PFAS compounds, including PFOA and PFOS, and none of these compounds were detected above the reporting limit of 1.9 parts per trillion at our water treatment facilities in 2020. For more information about PFAS click https://www.epa.gov/pfas.



Terms, abbreviations & symbols

- Maximum Contaminant Level (MCL) The highest level of a contaminant allowed in drinking water.
- Treatment Technique (TT) A required process intended to reduce the level of a contaminant in drinking water.
- Health-Based A violation of either a MCL or TT.
- Non-Health-Based A violation that is not a MCL or TT.
- Action Level (AL) The concentration of a contaminant which, if exceeded, triggers treatment and other regulatory requirements.
- 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 necessary for control of microbial contaminants.
- 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 Residual Disinfectant Level Goal (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.
- Violation (No abbreviation) Failure to meet a Colorado Primary Drinking Water Regulation.
- Formal Enforcement Action (No abbreviation) Escalated action taken by the State (due to the risk to public health, or number or severity of violations) to bring a noncompliant water system back into compliance.
- Variance and Exemptions (V/E) Department permission not to meet a MCL or treatment technique under certain conditions.

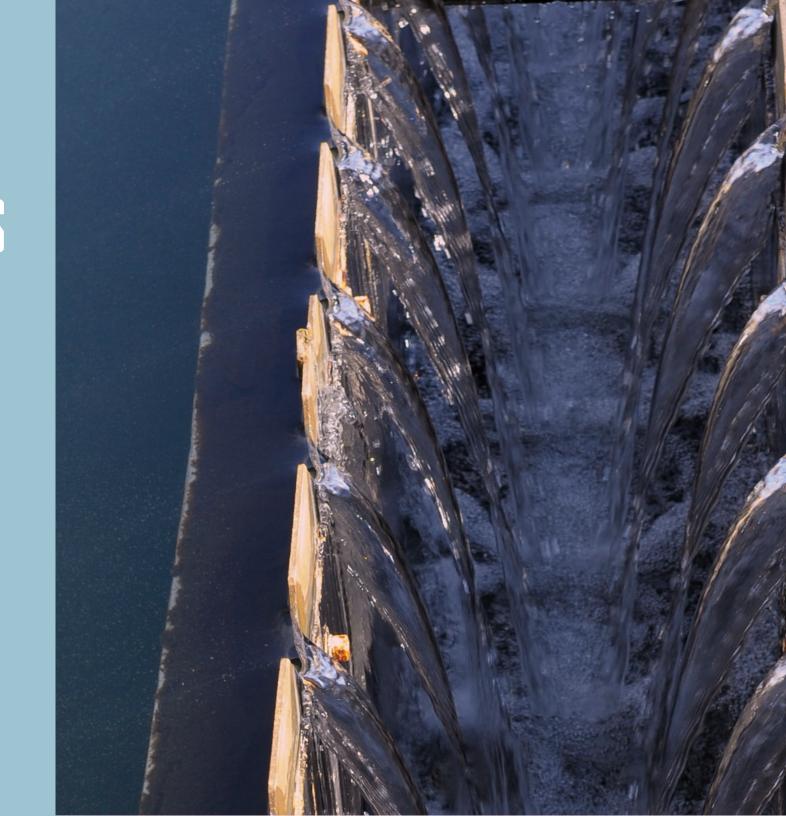
- Gross Alpha (No abbreviation) Gross alpha particle activity compliance value. It includes radium-226, but excludes radon 222, and uranium.
- Picocuries per liter (pCi/L) Measure of the radioactivity in water.
- Nephelometric Turbidity Unit (NTU) Measure of the clarity or cloudiness of water. Turbidity in excess of 5 NTU is just noticeable to the typical person.
- Compliance Value (No abbreviation) Single or calculated value used to determine if regulatory contaminant level (e.g. MCL) is met. Examples of calculated values are the 90th Percentile, Running Annual Average (RAA) and Locational Running Annual Average (LRAA).
- Average (x-bar) Typical value.
- Range (R) Lowest value to the highest value.
- Sample Size (n) Number or count of values (i.e. number of water samples collected).
- Parts per million = Milligrams per liter (ppm = mg/L) –
 One part per million corresponds to one minute in two years or a single penny in \$10,000.
- Parts per billion = Micrograms per liter (ppb = ug/L) One part per billion corresponds to one minute in 2,000 years, or a single penny in \$10,000,000.
- Not Applicable (N/A) Does not apply or not available.
- Level 1 Assessment Study of the water system to identify potential problems and determine (if possible) why total coliform bacteria have been found in our water system.
- Level 2 Assessment Very detailed study of the water system to identify potential problems and determine (if possible) why an E. coli MCL violation has occurred and/or why total coliform bacteria have been found in our water system on multiple occasions.

Data presented in the water quality report

We routinely monitor for contaminants in your drinking water according to federal and state laws. The tables on the following pages show the combined results of our monitoring for six water treatment plants, including our purchased water from Fountain Valley Authority, for the period of Jan. 1 through Dec. 31, 2020, unless otherwise noted. The State of Colorado requires us to monitor for certain contaminants less than once per year because the concentrations of these contaminants are not expected to vary significantly from year to year, or the system is not considered vulnerable to this type of contamination. Therefore, some of our data, though representative, may be more than one year old. Only detected contaminants sampled within the last five years appear in this report. If no table appears in this section, then no contaminants were detected in the last round of monitoring.



DETECTED CONTAMINANTS TABLES



Inorganic Contaminants

Monitored at the treatment plant (entry point to the distribution system)

| Contaminant | MCL | MCLG | Units | Range | Average | MCL violation | Sample dates | Possible source(s) of contamination |
|--------------------------|-----|------|-------|--------------|---------|------------------|-----------------|--|
| Barium | 2 | 2 | ppm | 0.02 - 0.05 | 0.03 | No | July 2020 | Discharge of drilling wastes; discharge from metal refineries; erosion of natural deposit |
| Fluoride | 4 | 4 | ppm | 0.12 - 0.85 | 0.39 | No | July 2020 | Erosion of natural deposits; discharge from fertilizer and aluminum factories |
| Nickel | n/a | n/a | ppb | 0 - 1.6 | 0.45 | No | July 2020 | Erosion of natural deposits, discharge from industries, discharge from refinieries and steel mills |
| Nitrate (as Nitrogen) | 10 | 10 | ppm | 0 - 0.33 | 0.11 | No | July 2020 | Runoff from fertilizer use; leaching from septic tanks, sewage; erosion of natural deposits |
| Selenium | 50 | 50 | ppb | 0 - 3.3 | 1.0 | No | July 2020 | Discharge from petroleum and metal refinieries; erosion of natural deposists; discharge from mines |
| Sodium* | n/a | n/a | ppm | 6.93 - 20.30 | 12.25 | No | July 2020 | Erosion of natural deposit |

*Secondary mCL (SMCL) is not enforceable but intended as guidelines. These contaminants in drinking water may affect the aesthetic qualities.

Organic Contaminants

Monitored at the treatment plant (entry point to the distribution system)

| Contaminant | MCL | MCLG | Units | Range | Average | MCL violation | Sample dates | Possible source(s) of contamination |
|-------------------------------|--------|--------|-------|---------|---------|------------------|------------------------------------|---|
| Di(2-ethylhexyl) phthalate | 50 | 0 | dqq | 0 - 1.2 | 0.13 | No | Jan, Feb, May, Jul, Oct 2020 | Discharge from rubber and chemical factories |
| Xylenes | 10,000 | 10,000 | dqq | 0 - 2.4 | 0.50 | No | Jan, May, Jul, Oct 2020 | Discharge from petroleum factories; discharge from chemical factories |

Radionuclides Monitored at the treatment plant (entry point to the distribution system)

| Contaminant | MCL | MCLG | Units | Range | Average | MCL violation | Sample dates | Possible source(s) of contamination |
|---------------------|-----|------|-------|---------|---------|------------------|-----------------|-------------------------------------|
| Combined Radium | 5 | 0 | pCi/L | 0 - 1.9 | 1.1 | No | June 2020 | Erosion of natural deposits |
| Combined Uranium | 30 | 0 | ppb | 0 - 4.0 | 0.7 | No | June 2020 | Erosion of natural deposits |
| Gross Alpha | 15 | 0 | pCi/L | 0 - 3.7 | 0.9 | No | June 2020 | Erosion of natural deposits |

Turbidity Continuously monitored at the treatment plant (entry point to the distribution system)

| Contaminant | TT requirement | Level detected | TT violation | Sample dates | Possible source(s) of contamination |
|-------------|---|--|--------------|----------------|-------------------------------------|
| Turbidity | Maximum 1 NTU for any single measurement | Highest single measurement: 0.90 NTU, January | No | Jan - Dec 2020 | Soil runoff |
| Turbidity | In any month, at least 95% of samples must be less than 0.3 NTU | Lowest monthly percentage of samples meeting TT requirement: 98% | No | Jan - Dec 2020 | Soil runoff |

Radionuclides

Continuously monitored at the treatment plant (entry point to the distribution system)

| Contaminant | MRDL/TT requirement | Units | Level detected | MRDL/TT violation | Sample dates | Possible source(s) of contamination |
|-------------|--|-------|------------------------------------|-------------------|----------------|---|
| Chlorine | TT= No more than 4 hours with a sample below 0.2 ppm | ppm | O samples above or below the level | No | Jan - Dec 2020 | Water additive used to control microbes |

Total Organic Carbon (Disinfection Byproducts Precursor) Removal Ratio and Finished Water Monitored at the treatment plant (entry point to the distribution system)

| Contaminant | MCL | MCLG | Units | Range | Average | MCL violation | Sample dates | Possible source(s) of contamination |
|-------------------------------|-----|------|-------|-------------|---------|------------------|----------------------------------|--------------------------------------|
| Total Organic Carbon (TOC) | | n/a | n/a | 1.00 - 2.86 | 1.38 | No | Monthly - running annual average | Naturally present in the environment |

Disinfection Byproducts

Monitored in the distribution system

| Contaminant | MCL | MCLG | Units | Range | Average | Highest compliance value | MCL violation | Sample dates | Possible source(s) of contamination |
|------------------------------------|-----|------|-------|-------------|---------|--------------------------------|------------------|----------------------------|--|
| Total Haloacetic Acids (HAA5) | 60 | n/a | ppb | 8.0 - 55.4 | 31.8 | 43.7 | No | Jan, Apr, Jul, Oct 2020 | Byproduct of drinking water disinfection |
| Total Trihalomethanes (TTHM) | 80 | n/a | ppb | 16.7 - 56.3 | 43.6 | 64.7 | No | Jan, Apr, Jul, Oct 2020 | Byproduct of drinking water disinfection |

Disinfectants in the Distribution System

| Contamina | nt MRDL/TT | Lowest TT percentage | Number of samples below 0.2 | Units | TT violation | Sample dates | Possible source(s) of contamination |
|-----------|--|----------------------|-----------------------------|-------|-----------------|-----------------|--|
| Chlorine | MRDL = 4 ppm TT = At least 95% of samples per month must be at least 0.2 ppm | 99% Feb | 1 | ppm | No | 2020 | Drinking water disinfectant used to control microbes |

Lead and Copper Monitored in the distribution system

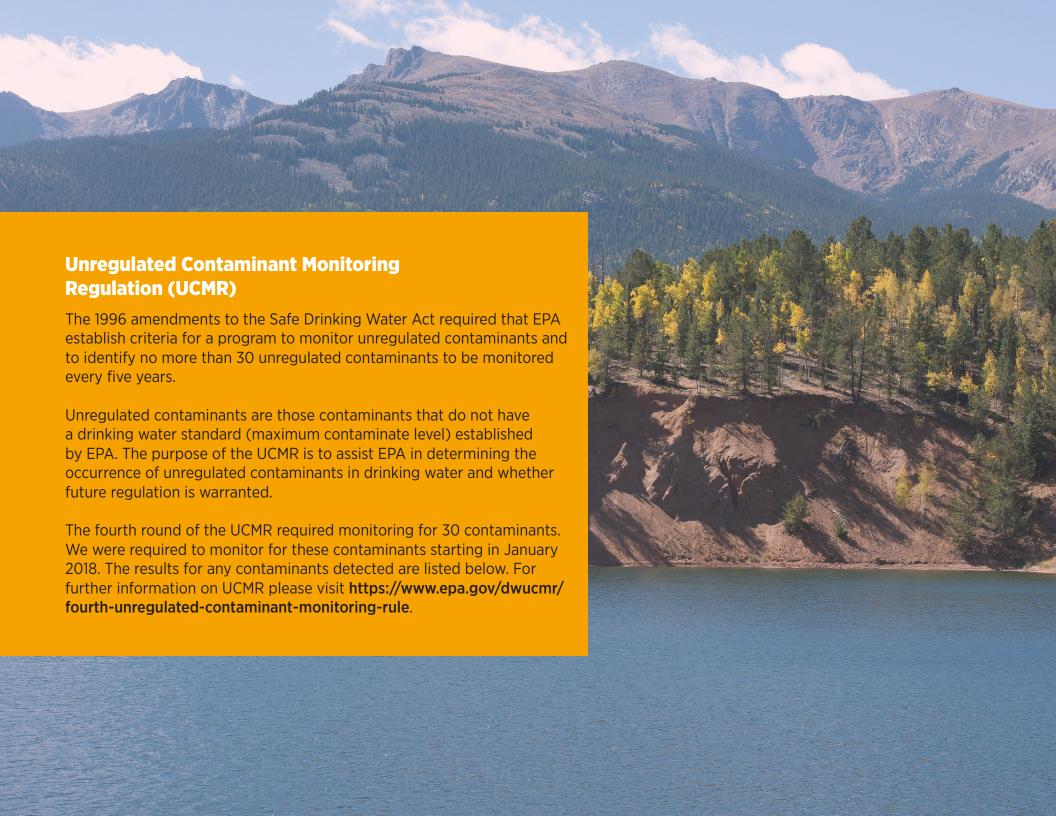
| Contaminant | AL at the 90th percentile | MCLG | Units | 90th percentile | Sample size | Sample sites above AL | AL exceedance | Sample dates | Possible source(s) of contamination |
|-------------|---------------------------|------|-------|--------------------|----------------|--------------------------|------------------|--------------------|--|
| Copper | 1.3 | 1.3 | ppm | 0.1065 | 50 | 0 | No | June - Aug 2020 | Corrosion of household plumbing systems; erosion of natural deposits; leaching from wood preservatives |
| Lead | 15 | 0 | ppb | 3.7 | 50 | 0 | No | June - Aug 2020 | Corrosion of household plumbing systems; erosion of natural deposits |

Contaminants with Secondary MCL requirements¹

Monitored at the treatment plant (entry point to the distribution system)

| Contaminant | SMCL | Units | Average level detected (range) | Sample dates | Possible source(s) of contamination |
|-------------|-------------|-------|-----------------------------------|----------------|--|
| Aluminum | 0.050 - 0.2 | ppm | 0.013 0 - 0.091 | Monthly 2020 | Erosion of natural deposits, water treatment chemical |
| Chloride | 250 | ppm | 5.8 1.6 - 15.8 | Quarterly 2020 | Erosion of natural deposits |
| Manganese | 0.5 | ppm | 0.0004 0 - 0.0166 | Monthly 2020 | Erosion of natural deposits |
| Iron | 0.3 | ppm | 0.002 0 - 0.044 | Monthly 2020 | Erosion of natural deposists, leaching from plumbing materials |
| Sulfate | 250 | ppm | 41.3 13.4 - 92.2 | Quarterly 2020 | Erosion of natural deposits |
| Zinc | 5000 | ppb | 0.4 0 - 2.1 | Annual 2020 | Leaching from plumbing materials |

 * Secondary MCL (SMCL) is not enforceable but intended as guidelines. These contaminants in drinking water may affect the aesthetic qualities.



Monitored at the treatment plant (entry point to the distribution system)

| Contaminant | Average level detected | Range | Units | Sample dates | Possible source(s) of contamination |
|-------------|------------------------|------------|-------|---|--|
| Manganese | 1.2 | O - 11 | ppb | Jan, Apr, Jul, Oct 2018 | Naturally occurring element, commercially available in combination with other elements and minerals, a byproduct of zinc ore processing, used in infrared optics, fiber optic and systems electronics and solar applications |
| 1-Butanol | 1.07 | 0 - 13 | ppb | Jan, Mar, Apr, Jul, Oct 2018 | Used as a solvent, food additive and in the production of other chemicals |
| Quinoline | 0.001 | 0 - 0.0318 | ppb | Jan, Mar, Apr, Jul, Oct 2018; Feb, Mar 2019 | Used as a pharmaceutical and flavoring agent, produced as a chemical intermediate, component of coal |

Monitored at the treatment plant (entry point to the distribution system)

| Contaminant | Average level detected | Range | Units | Sample dates | Possible source(s) of contamination |
|--|---------------------------|-------------|-------|----------------------------|--|
| Haloacetic Acids 5 (HAA5) | 33.9 | 10.2 - 55.0 | dqq | Jan, Apr, Jul, Oct 2018 | Byproduct of drinking water disinfection |
| Brominated Haloacetic Acids 6 (HAABr6) | 3.18 | 0.79 - 9.10 | ppb | Jan, Apr, Jul, Oct 2018 | Byproduct of drinking water disinfection |
| Haloacetic Acids 9 (HAA9) | 36.4 | 14.5 - 57.0 | ppb | Jan, Apr, Jul, Oct 2018 | Byproduct of drinking water disinfection |

