Colorado Springs Utilities (PWSID # CO0121150)
2019 Water Quality Report Information for:

Fort Carson Army Base (PWSID # CO0221445)
Peterson Air Force Base (PWSID # CO0121605)
Tierra Vista Communities (PWSID # CO0121743)
Cheyenne Mountain Air Force Station (PWSID # CO0221205)
Cherokee MD (PWSID # CO0121125)
Security Water and Sanitation District (PWSID # CO0121775)
Stratmoor Hills Water District (PWSID # CO0121800)

Water Sources
Your water is blended from multiple sources, including surface water and purchased water. Your water source may vary throughout the year.

Mountain Water Sources
With no major water source nearby, much of Colorado Springs Utilities raw water collection system originates from nearly 200 miles away, near Aspen, Leadville, and Breckenridge. Almost 75 percent 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 this area 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, Colorado Springs Utilities is able to 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
We used to pump water from wells drilled into two different aquifers. We have two wells on the Denver aquifer (500-700 feet deep) and two wells on the Arapahoe aquifer (900-1,000 feet deep). These wells were deactivated in July 2015.

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. Waters collected from this system are diverted to the Arkansas River, near Buena Vista, and then flow 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.

All water sources are treated at one of our treatment plants (or in the case of FVA water at FVA’s treatment plant) 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. Want more source water information click https://www.csu.org/pages/watershed-r.aspx .

Colorado Source Water Assessment and Protection
The Colorado Department of Public Health and Environment has provided us with a Source Water Assessment Report for our water supply. For general information or to obtain a copy of the report please visit [https://www.colorado.gov/cdphe/ccr](https://www.colorado.gov/cdphe/ccr). The report is located under “Guidance: Source Water Assessment Reports.” Search the table using 121150, COLORADO SPRINGS UTILITIES, or by contacting 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 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 homes. In addition, the source water assessment results provide a starting point for developing a source water protection plan. Potential sources of contamination in our source water area are listed below.

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

- 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

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 SWAP program.
General Information
The sources of drinking water (both tap water and bottled water) include rivers, lakes, streams, ponds, reservoirs, springs, and wells. As water travels over the surface of the land or through the ground, it dissolves naturally occurring minerals and, in some cases, radioactive material, and can pick up substances resulting from the presence of animals or from human activity. Contaminants that may be present in source water include:

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 also may come from gas stations, urban stormwater runoff, and septic systems.
• Radioactive contaminants that 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, 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.

Immunocompromised Persons Advisory
Drinking water, including bottled water, may reasonably be expected to contain at least small amounts of some contaminants. The presence of contaminants does not necessarily indicate that the water poses a health risk. More information about contaminants and potential health effects can be obtained by calling the Environmental Protection Agency’s Safe Drinking Water Hotline (1-800-426-4791) or by visiting http://water.epa.gov/drink/contaminants. Some people may be more vulnerable to contaminants in drinking water than the general population. Immunocompromised 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 of infections. These people should seek advice about drinking water from their health care providers. For more information about contaminants and potential health effects, or to receive a copy of the U.S. Environmental Protection Agency (EPA) and the U.S. Centers for Disease Control (CDC) guidelines on appropriate means to lessen the risk of infection by Cryptosporidium and microbiological contaminants call the EPA Safe Drinking Water Hotline at (1-800-426-4791).

Information About 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 2 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.

Information about Fluoride
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 Colorado Springs' water sources. Colorado Springs Utilities does not add additional fluoride to your drinking water. Any fluoride in the drinking water comes naturally from our source waters. For more fluoride information click https://www.csu.org/pages/water-quality-r.aspx

Information about Cryptosporidium
Cryptosporidium is a microbial pathogen found in surface water throughout the United States. Although filtration removes cryptosporidium, the most commonly used filtration methods cannot guarantee 100 percent removal. No cryptosporidia were detected in Colorado Springs Utilities’ source water in 2018. Current test methods do not allow us to determine if the organisms found in the source water are dead or if they are capable of causing disease. Ingestion of cryptosporidium may cause cryptosporidiosis, an abdominal infection. Symptoms of infection include nausea, diarrhea and abdominal cramps. Most healthy individuals can overcome the disease within a few weeks. However, immunocompromised people are at greater risk of developing the life-threatening illness. We encourage immunocompromised individuals to consult their doctor regarding appropriate
precautions to take to avoid infection. Cryptosporidium must be ingested to cause disease, and it may be spread through means other than drinking water.

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 non-compliant 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** – A 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** – A 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
Colorado Springs Utilities routinely monitors for contaminants in your drinking water according to Federal and State laws. The table on the following pages shows the combined results of our monitoring for six water treatment plants for the period of January 1 through December 31, 2018, unless otherwise noted. The State of Colorado requires us to monitor for certain contaminants less than once per your because the concentrations of these contaminants are not expected to vary significantly from year to year, or the system in not considered vulnerable to this type of contamination. Therefore, some of our data, though representative, may be more than a year old. Only detected contaminants sampled within the last 5 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
Colorado Springs Utilities (PWSID CO0121150)

Inorganic Contaminants
Monitored at the Treatment Plant (entry point to the distribution system)

<table>
<thead>
<tr>
<th>Contaminant</th>
<th>MCL</th>
<th>MCLG</th>
<th>Units</th>
<th>Range</th>
<th>Average</th>
<th>MCL Violation</th>
<th>Sample Dates</th>
<th>Possible Source(s) of Contamination</th>
</tr>
</thead>
<tbody>
<tr>
<td>Barium</td>
<td>2</td>
<td>2</td>
<td>ppm</td>
<td>0.01 – 0.06</td>
<td>0.03</td>
<td>No</td>
<td>April 2018</td>
<td>Discharge of drilling wastes; discharge from metal refineries; erosion of natural deposits</td>
</tr>
<tr>
<td>Fluoride</td>
<td>4</td>
<td>4</td>
<td>ppm</td>
<td>0.16 – 0.53</td>
<td>0.41</td>
<td>No</td>
<td>April 2018</td>
<td>Erosion of natural deposits; discharge from fertilizer and aluminum factories</td>
</tr>
<tr>
<td>Nickel</td>
<td>N/A</td>
<td>N/A</td>
<td>ppb</td>
<td>0 – 0.003</td>
<td>0.001</td>
<td>No</td>
<td>April 2018</td>
<td>Erosion of natural deposits, discharge from industries, discharge from refineries and steel mills</td>
</tr>
<tr>
<td>Nitrate (as Nitrogen)</td>
<td>10</td>
<td>10</td>
<td>ppm</td>
<td>0 – 0.44</td>
<td>0.15</td>
<td>No</td>
<td>April 2018</td>
<td>Runoff from fertilizer use; leaching from septic tanks, sewage; erosion of natural deposits</td>
</tr>
<tr>
<td>Selenium</td>
<td>50</td>
<td>50</td>
<td>ppb</td>
<td>0 – 0.006</td>
<td>0.002</td>
<td>No</td>
<td>April 2018</td>
<td>Discharge from petroleum and metal refineries; erosion of natural deposits; discharge from mines</td>
</tr>
<tr>
<td>Sodium</td>
<td>N/A</td>
<td>N/A</td>
<td>ppm</td>
<td>4.91 – 20.70</td>
<td>10.86</td>
<td>No</td>
<td>April 2018</td>
<td>Erosion of natural deposits</td>
</tr>
</tbody>
</table>

Organic Contaminants
Monitored at the Treatment Plant (entry point to the distribution system)

<table>
<thead>
<tr>
<th>Contaminant</th>
<th>MCL</th>
<th>MCLG</th>
<th>Units</th>
<th>Average</th>
<th>Range Detected</th>
<th>MCL Violation</th>
<th>Sample Dates</th>
<th>Possible Source(s) of Contamination</th>
</tr>
</thead>
<tbody>
<tr>
<td>Di(2-ethylhexyl) phthalate</td>
<td>6</td>
<td>0</td>
<td>ppb</td>
<td>2.82</td>
<td>0 – 13</td>
<td>No</td>
<td>Jan, Apr, Jul, Aug, Oct</td>
<td>Discharge from rubber and chemical factories</td>
</tr>
<tr>
<td>Ethylbenzene</td>
<td>700</td>
<td>700</td>
<td>ppb</td>
<td>0.15</td>
<td>0 – 0.79</td>
<td>No</td>
<td>Jan, Jun, Jul, Oct</td>
<td>Discharge from petroleum refineries</td>
</tr>
<tr>
<td>Xylenes</td>
<td>10,000</td>
<td>10,000</td>
<td>ppb</td>
<td>1.82</td>
<td>0 – 7.9</td>
<td>No</td>
<td>Jan, Jun, Jul, Oct</td>
<td>Discharge from petroleum factories; discharge from chemical factories</td>
</tr>
</tbody>
</table>

Radionuclides
### Turbidity
Monitored at the Treatment Plant (entry point to the distribution system)

<table>
<thead>
<tr>
<th>Contaminant</th>
<th>TT Requirement</th>
<th>Level Detected</th>
<th>TT Violation</th>
<th>Sample Dates</th>
<th>Possible Source(s) of Contamination</th>
</tr>
</thead>
<tbody>
<tr>
<td>Turbidity</td>
<td>Maximum 1 NTU for any single measurement</td>
<td>Highest Single Measurement: 0.366 NTU</td>
<td>No</td>
<td>2018</td>
<td>Soil Runoff</td>
</tr>
<tr>
<td>Turbidity</td>
<td>In any month, at least 95% of samples must be less than 0.3NTU</td>
<td>Lowest Monthly percentage of samples meeting TT requirement: 99%</td>
<td>No</td>
<td>September</td>
<td>Soil Runoff</td>
</tr>
</tbody>
</table>

### Disinfectants
Monitored at the Treatment Plant (entry point to the distribution system)

<table>
<thead>
<tr>
<th>Contaminant</th>
<th>MRDL/ TT Requirement</th>
<th>Units</th>
<th>Level Detected</th>
<th>MRDL/TT Violation</th>
<th>Sample Dates</th>
<th>Possible Source(s) of Contamination</th>
</tr>
</thead>
<tbody>
<tr>
<td>Chlorine</td>
<td>TT= No more than 4 hours with a sample below 0.2 ppm</td>
<td>ppm</td>
<td>0 samples above or below the level</td>
<td>No</td>
<td>Jan – Dec 2018</td>
<td>Water additive used to control microbes</td>
</tr>
</tbody>
</table>

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

<table>
<thead>
<tr>
<th>Contaminant</th>
<th>MCL</th>
<th>MCLG</th>
<th>Units</th>
<th>Average</th>
<th>Range Low - High</th>
<th>MCL Violation</th>
<th>Sample Dates</th>
<th>Possible Source(s) of Contamination</th>
</tr>
</thead>
<tbody>
<tr>
<td>Total Organic Carbon (TOC)</td>
<td>TT minimum ratio = 1.00</td>
<td>N/A</td>
<td>N/A</td>
<td>1.26</td>
<td>1 – 2.09</td>
<td>No</td>
<td>Monthly - Running Annual Average</td>
<td>Naturally present in the environment</td>
</tr>
</tbody>
</table>

### Disinfection Byproducts
Monitored in the distribution system

<table>
<thead>
<tr>
<th>Contaminant</th>
<th>MCL</th>
<th>MCLG</th>
<th>Units</th>
<th>Average</th>
<th>Range Low - High</th>
<th>MCL Violation</th>
<th>Highest Compliance Value</th>
<th>Sample Dates</th>
<th>Possible Source(s) of Contamination</th>
</tr>
</thead>
<tbody>
<tr>
<td>Total Haloacetic Acids (HAA5)</td>
<td>60</td>
<td>N/A</td>
<td>ppb</td>
<td>33.42</td>
<td>10.2 – 55.0</td>
<td>No</td>
<td>53.6</td>
<td>Jan, Apr, Jul, Oct 2018</td>
<td>Byproduct of drinking water disinfection</td>
</tr>
</tbody>
</table>
### Long Term 2 Enhanced Surface Water Treatment Rule Monitoring
Monitored raw source water before it enters the Treatment Plant

<table>
<thead>
<tr>
<th>Contaminant</th>
<th>Units</th>
<th>Range Detected</th>
<th>MCL</th>
<th>Sample Dates</th>
<th>Possible Source(s) of Contamination</th>
</tr>
</thead>
<tbody>
<tr>
<td>Cryptosporidium</td>
<td>oocysts</td>
<td>0</td>
<td>0</td>
<td>Jan - Apr</td>
<td>Naturally occur in the environment</td>
</tr>
<tr>
<td>E. coli</td>
<td>MPN</td>
<td>0 - 2</td>
<td>N/A</td>
<td>Jan - Apr</td>
<td>Naturally occur in the environment</td>
</tr>
</tbody>
</table>

### Disinfectants in the Distribution System

<table>
<thead>
<tr>
<th>Contaminant</th>
<th>MRDL/TT</th>
<th>Lowest TT Percentage</th>
<th>Number of samples below 0.2</th>
<th>Units</th>
<th>TT Violation</th>
<th>Sample Dates</th>
<th>Possible Source(s) of Contamination</th>
</tr>
</thead>
<tbody>
<tr>
<td>Chlorine</td>
<td>MRDL = 4 ppm TT= At least 95% of samples per month must be at least 0.2 ppm</td>
<td>99.11 August 2018</td>
<td>2 ppm</td>
<td>No</td>
<td>2018</td>
<td>Drinking water disinfectant used to control microbes</td>
<td></td>
</tr>
</tbody>
</table>

### Lead and Copper
Monitored in the distribution system

<table>
<thead>
<tr>
<th>Contaminant</th>
<th>AL at the 90th Percentile</th>
<th>MCLG</th>
<th>Units</th>
<th>90th Percentile</th>
<th>Sample Size</th>
<th>Sample Sites Above AL</th>
<th>AL Exceedance</th>
<th>Sample Dates</th>
<th>Possible Source(s) of Contamination</th>
</tr>
</thead>
<tbody>
<tr>
<td>Copper</td>
<td>1.3</td>
<td>1.3</td>
<td>ppm</td>
<td>0.20</td>
<td>102</td>
<td>0</td>
<td>No</td>
<td>Mar – May 2018</td>
<td>Corrosion of household plumbing systems; erosion of natural deposits; leaching from wood preservatives</td>
</tr>
<tr>
<td>Contaminant</td>
<td>Category</td>
<td>Time Period</td>
<td>Health Effects</td>
<td>Compliance Value</td>
<td>TT Level or MCL</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>------------</td>
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<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Xylenes, Total¹</td>
<td>Failure to monitor and/or report – non-health based</td>
<td>04/01/2018 – 06/30/2018</td>
<td>NA</td>
<td>NA</td>
<td>NA</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Ethylbenzene²</td>
<td>Failure to monitor and/or report – non-health based</td>
<td>04/01/2018 – 06/30/2018</td>
<td>NA</td>
<td>NA</td>
<td>NA</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Cross Connection Rule (Fountain Valley Authority)²</td>
<td>Failure to meet Cross Connection/Backflow Requirements – Health-based</td>
<td>11/14/18 - Open</td>
<td>May pose a risk to public health</td>
<td>N/A</td>
<td>N/A</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

¹The Colorado Department of Public Health and Environment requires that Colorado Springs Utilities Ute Pass Treatment Plant monitor for the VOCs Total Xylene and Ethylbenzene quarterly. Colorado Springs Utilities collected the required sample in May 2018. The sample was sent to a contract lab for analysis. Upon receipt of the results it was noticed that the lab had not analyzed for all required VOCs including Total Xylenes and Ethylbenzene. Another sample was collected and sent off for analysis in the beginning June 2018. Results from that sampling event were received by Utilities on July 11th, 2018, which was past the required deadline resulting in a violation of timely reporting for Ethylbenzene. Also, upon receipt of this report, it was discovered that there was a quality control failure on Xylenes which invalidated the sample. Utilities was not notified of this failure until the monitoring period had ended and was unable to recollect the sample which is a violation of a drinking water monitoring requirement. Colorado Springs Utilities collected and analyzed the samples and were back in compliance for third quarter.

²Fountain Valley Authority (FVA) is a drinking water wholesale supplier to Colorado Springs Utilities. State drinking water regulations require that all public drinking water systems, such as FVA, test a percentage of the backflow prevention devices located within their systems annually. In March of 2018, FVA identified 6 backflow prevention devices within its water system that were not tested as required in 2017. This means that FVA violated State drinking water regulations by failing to ensure that these 6 backflow prevention devices were tested in 2017. All 6 of the backflow prevention devices were tested on March 8, 2018 and passed the tests. Therefore, FVA is not aware of any uncontrolled cross connections to its water supply system. FVA provided the state with an updated Backflow Prevention Cross-Connection Program Plan that includes measures to avoid this type of violation in the future.

**Contaminants with Secondary MCL requirements¹.**

Monitored at the Treatment Plant (entry point to the distribution system)
### Contaminant Monitoring

<table>
<thead>
<tr>
<th>Contaminant</th>
<th>SMCL</th>
<th>Units</th>
<th>Average Level Detected (Range)</th>
<th>Sample Dates</th>
<th>Possible Source(s) of Contamination</th>
</tr>
</thead>
<tbody>
<tr>
<td>Aluminum</td>
<td>0.050 – 0.2</td>
<td>ppm</td>
<td>0.037 (0 – 0.068)</td>
<td>Jan – Dec 2018</td>
<td>Erosion of natural deposits, water treatment chemical</td>
</tr>
<tr>
<td>Chloride</td>
<td>250 ppm</td>
<td></td>
<td>5.8 (1.4 – 10.8)</td>
<td>Jan – Dec 2018</td>
<td>Erosion of natural deposits</td>
</tr>
<tr>
<td>Manganese</td>
<td>0.5 ppm</td>
<td></td>
<td>0.0004 (0 – 0.0109)</td>
<td>Jan – Dec 2018</td>
<td>Erosion of natural deposits</td>
</tr>
<tr>
<td>Iron</td>
<td>0.3 ppm</td>
<td></td>
<td>0.003 (0 – 0.062)</td>
<td>Jan – Dec 2018</td>
<td>Erosion of natural deposits, leaching from plumbing materials</td>
</tr>
<tr>
<td>Zinc</td>
<td>5000 ppb</td>
<td></td>
<td>0.2 (0 – 2.3)</td>
<td>Jan, Apr 2018</td>
<td>Leaching from plumbing materials</td>
</tr>
</tbody>
</table>

1Secondary MCL (SMCL) is not enforceable but intended as guidelines. These contaminants in drinking water may affect the aesthetic qualities.

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**Unregulated Contaminant Monitoring Regulation (UCMR)**

The 1996 amendments to the Safe Drinking Water Act required that EPA establish criteria for a program to monitor unregulated contaminants and to identify no more than 30 unregulated contaminants to be monitored every five years.

Unregulated contaminants are those contaminants that do not have a drinking water standard (maximum contaminant level) established by EPA. The purpose of the UCMR is to assist EPA in determining the occurrence of unregulated contaminants in drinking water and whether future regulation is warranted.

The fourth round of the UCMR required monitoring for 30 contaminants. Colorado Springs Utilities was required to monitoring for these contaminants starting in January 2018. The results for any contaminants detected thus far are listed below. For further information on UCMR please visit [https://www.epa.gov/dwucmr/fourth-unregulated-contaminant-monitoring-rule](https://www.epa.gov/dwucmr/fourth-unregulated-contaminant-monitoring-rule).

Monitored at the Treatment Plant (entry point to the distribution system)

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<table>
<thead>
<tr>
<th>Contaminant</th>
<th>Average Level Detected</th>
<th>Range</th>
<th>Units</th>
<th>Sample Dates</th>
<th>Potential Sources of Contamination</th>
</tr>
</thead>
</table>

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9
Manganese | 1.2 | ND - 11 | ppb | Jan, Apr, Jul, Oct 2019 | Naturally occurring element, commercially available in combination with other elements and minerals, a byproduct of zinc ore processing, used in infrared optics, fiber optic systems electronics and solar applications

1-Butanol | 1.07 | ND – 13 | ppb | Jan, Mar, Apr, Jul, Oct 2019 | Used as a solvent, food additive, and in the production of other chemicals

Quinoline | 0.002 | ND – 0.0318 | ppb | Jan, Mar, Apr, Jul, Oct 2019 | Used as a pharmaceutical and flavoring agent, produced as a chemical intermediate, component of coal

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Customers Have a Voice in Decisions

We encourage customer participation in decisions affecting our drinking water.

- Utilities Board – our governing body – meets the Wednesday between City Council meetings, 1 p.m. at the Plaza of the Rockies, South Tower, 121 S. Tejon St., Fifth floor.
- Call 719-668-4800 or click [https://www.csu.org/pages/ub-r.aspx](https://www.csu.org/pages/ub-r.aspx) for information.

General Information

To request a printed copy of this report or for questions call 719-668-4560.
For more water quality information or to access past Drinking Water Quality Reports click [https://www.csu.org/pages/water-quality-r.aspx](https://www.csu.org/pages/water-quality-r.aspx)