This report is a summary of the quality of water San Antonio Water System (SAWS) provides its customers. The analysis was made by using the 2019 data from the most recent U.S. Environmental Protection Agency (EPA) required tests and is presented in this report. We hope this information helps you become knowledgeable about what is in your drinking water.

SOURCE 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 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:

Microbial contaminants, such as viruses and bacteria, which may come from sewage treatment plants, septic systems, agricultural, livestock operations, and wildlife. SAWS samples 60 sites in the Northeast distribution system for bacteria each month, and no E. coli positives were found in our drinking water in 2018.

Inorganic contaminants, such as salts and metals, which can be naturally-occurring or result from urban storm water runoff, industrial or domestic wastewater discharges, oil and gas production, mining, or farming.

Pesticides and herbicides, which may come from a variety of sources such as agriculture, urban storm water runoff, and residential uses.

Organic chemical contaminants, including synthetic and volatile organic chemicals, which are by-products of industrial processes and petroleum production, and can also come from gas stations, urban storm water runoff, and septic systems.

Radioactive contaminants, which can be naturally-occurring or be the result of oil and gas production and mining activities.

WHERE DO WE GET OUR DRINKING WATER?
The source of SAWS Northeast drinking water originated as groundwater from the Edwards, Carrizo and Wilcox aquifers, and surface water from Lake Dunlap. The Texas Commission on Environmental Quality has completed an assessment of your source water, and the results indicate that some of our sources are susceptible to certain contaminants. The sampling requirements for your water system is based on this susceptibility and previous sample data. Any detections of these contaminants will be found in this Water Quality Report. For more information on source water assessments and protection efforts, please contact us. SAWS Northeast purchases water from Canyon Regional Water Authority.

For more information on source water assessments and protection efforts at our systems, please contact us.

ALL DRINKING WATER MAY CONTAIN CONTAMINANTS
When drinking water meets federal standards, there may not be any health benefits to purchasing bottled water or point of use devices. 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 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 (800-426-4791).

SECONDARY CONSTITUENTS
Many constituents (such as calcium, sodium, or iron), which are found in drinking water, can cause taste, color, and odor problems. The taste and odor constituents are called secondary constituents and are regulated by the State of Texas, not the EPA. These constituents are not causes for health concern. Therefore, secondaries are not required to be reported in this document, but they may affect the appearance and taste of your water. The secondary constituents results are available for this System on Texas Drinking Water Watch at http://dww2.tceq.texas.gov/DWW/.

HEALTH INFORMATION ABOUT 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. San Antonio Water 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 two 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 http://www.epa.gov/safewater/lead.
SPECIAL NOTICE
You may be more vulnerable than the general population to certain microbial contaminants, such as Cryptosporidium, in drinking water. Infants, some elderly or immuno-compromised such as those undergoing chemotherapy for cancer; those who have undergone organ transplants; those who are undergoing treatment with steroids; and people with HIV/AIDS or other immune system disorders can be particularly at risk from infections. You should seek advice about drinking water from your physician or health care provider. Additional guidelines on appropriate means to lessen the risk of infection by Cryptosporidium are available from the Safe Drinking Water Hotline at 800-426-4791.

VIOLATIONS
SAWS Northeast water system received no violations in 2019. CRWA Lake Dunlap, who SAWS Northeast purchases water from, received a violation for the exceedance of Bromate. SAWS performed all necessary public notice requirements for this violation as required by the Texas Commission on Environmental Quality.

HOW TO READ YOUR WATER QUALITY REPORT

<table>
<thead>
<tr>
<th>CONTAMINANTS</th>
<th>Parameter/Substance</th>
<th>Collection Date</th>
<th>Highest Level Detected</th>
<th>Concentration Range Found</th>
<th>MCLG</th>
<th>MCL</th>
<th>AL</th>
<th>Units</th>
<th>Violation</th>
<th>Likely Source of Contamination</th>
</tr>
</thead>
<tbody>
<tr>
<td>Substance 1</td>
<td>2018</td>
<td>0.112</td>
<td>0.024 – 0.112</td>
<td>2</td>
<td>2</td>
<td>1.5</td>
<td>ppm</td>
<td>No</td>
<td>Erosion of natural deposits</td>
<td></td>
</tr>
<tr>
<td>Substance 2</td>
<td>2017</td>
<td>0.15</td>
<td>0.03 – 0.15</td>
<td>50</td>
<td>50</td>
<td>15</td>
<td>ppb</td>
<td>No</td>
<td>Erosion of natural deposits</td>
<td></td>
</tr>
</tbody>
</table>

The year or years tests were conducted.
The highest amount of a contaminant detected in SAWS drinking water.
The amount from lowest to highest of a contaminant detected in SAWS drinking water.
The concentration which, if exceeded, triggers treatment or other requirements SAWS must follow.
Parts per million – one ppm equals to one teaspoon in 1,302 gallons.
Parts per billion – one ppb equals to one teaspoon in 1,302,000 gallons.
How a contaminant ends up in SAWS drinking water.
Below this level, a contaminant has no known or expected health risks.
This describes some of the ways contaminants enter drinking water; wording is provided by EPA and may or may not apply to SAWS.
### 2020 WATER QUALITY REPORT

**NORTHEAST**

PWS ID Number: TX 0150084

#### LEAD AND COPPER – Monitoring Done at Customers’ Taps

<table>
<thead>
<tr>
<th>Parameter/Substance</th>
<th>Date Sampled</th>
<th>MCLG</th>
<th>AL</th>
<th>90th Percentile</th>
<th>Number of Sites Over AL</th>
<th>Units</th>
<th>Violation</th>
<th>Likely Source of Contamination</th>
</tr>
</thead>
<tbody>
<tr>
<td>Copper</td>
<td>2018</td>
<td>1.3</td>
<td>1.3</td>
<td>0.075</td>
<td>0</td>
<td>ppm</td>
<td>No</td>
<td>Corrosion of household plumbing systems; erosion of natural deposits; leaching from wood preservatives</td>
</tr>
<tr>
<td>Lead</td>
<td>2018</td>
<td>0</td>
<td>15</td>
<td>1.36</td>
<td>1</td>
<td>ppb</td>
<td>No</td>
<td>Corrosion of household plumbing systems; erosion of natural deposits</td>
</tr>
</tbody>
</table>

#### DISINFECTANTS AND DISINFECTION BY-PRODUCTS – Monitored in the Distribution System

<table>
<thead>
<tr>
<th>Parameter/Substance</th>
<th>Collection Date</th>
<th>MCLG</th>
<th>MCL</th>
<th>Units</th>
<th>Violation</th>
<th>Likely Source of Contamination</th>
</tr>
</thead>
<tbody>
<tr>
<td>Total Trihalomethanes (THMs)</td>
<td>2019 53</td>
<td>NA</td>
<td>80</td>
<td>ppb</td>
<td>No</td>
<td>By-product of drinking water disinfection</td>
</tr>
<tr>
<td>Total Haloacetic Acids (HAAs)</td>
<td>2019 23</td>
<td>NA</td>
<td>60</td>
<td>ppb</td>
<td>No</td>
<td>By-product of drinking water disinfection</td>
</tr>
</tbody>
</table>

#### INORGANIC CONTAMINANTS – Monitored at the Water Plants

<table>
<thead>
<tr>
<th>Parameter/Substance</th>
<th>Collection Date</th>
<th>Highest Level Detected</th>
<th>Concentration Range Found</th>
<th>MCLG</th>
<th>MCL</th>
<th>Units</th>
<th>Violation</th>
<th>Likely Source of Contamination</th>
</tr>
</thead>
<tbody>
<tr>
<td>Barium</td>
<td>2019 0.0932</td>
<td>0.0932 – 0.0932</td>
<td>2</td>
<td>2</td>
<td>ppm</td>
<td>No</td>
<td>Discharge from drilling wastes; discharge from metal refineries; erosion of natural deposits</td>
<td></td>
</tr>
<tr>
<td>Fluoride</td>
<td>2019 0.24</td>
<td>0.24 – 0.24</td>
<td>4</td>
<td>4</td>
<td>ppm</td>
<td>No</td>
<td>Erosion of natural deposits; discharge from fertilizer and aluminum factories; added for dental health</td>
<td></td>
</tr>
<tr>
<td>Nitrate</td>
<td>2019 1</td>
<td>0.8 – 1.36</td>
<td>10</td>
<td>10</td>
<td>ppm</td>
<td>No</td>
<td>Runoff from fertilizer use; leaching from septic tanks; sewage; erosion of natural deposits</td>
<td></td>
</tr>
<tr>
<td>Selenium</td>
<td>2019 3.1</td>
<td>3.1 – 3.1</td>
<td>50</td>
<td>50</td>
<td>ppb</td>
<td>No</td>
<td>Discharge from petroleum and metal refineries; erosion of natural deposits; discharge from mines</td>
<td></td>
</tr>
</tbody>
</table>

#### RADIOACTIVE CONTAMINANTS – Monitored at the Water Plants

<table>
<thead>
<tr>
<th>Parameter/Substance</th>
<th>Collection Date</th>
<th>Highest Level Detected</th>
<th>Concentration Range Found</th>
<th>MCLG</th>
<th>MCL</th>
<th>Units</th>
<th>Violation</th>
<th>Likely Source of Contamination</th>
</tr>
</thead>
<tbody>
<tr>
<td>Beta Proton Emitters</td>
<td>2019 4</td>
<td>4 – 4</td>
<td>0</td>
<td>50</td>
<td>pCi/L</td>
<td>No</td>
<td>Decay of natural and man-made deposits</td>
<td></td>
</tr>
</tbody>
</table>

#### RESIDUAL DISINFECTANT LEVEL – Monitored in the Distribution System

<table>
<thead>
<tr>
<th>Parameter/Substance</th>
<th>Test Year</th>
<th>Average Concentration Found</th>
<th>Minimum Level</th>
<th>Maximum Level</th>
<th>MRDL</th>
<th>MRDLG</th>
<th>Units</th>
<th>Likely Source of Contamination</th>
</tr>
</thead>
<tbody>
<tr>
<td>Chlorine Residual, Free</td>
<td>2019</td>
<td>1.03</td>
<td>0.91</td>
<td>1.5</td>
<td>4</td>
<td>4</td>
<td>ppm</td>
<td>Disinfectant used to control microbes</td>
</tr>
</tbody>
</table>

#### UCMR 4 RESULTS

The Environmental Protection Agency uses the Unregulated Contaminant Monitoring Rule (UCMR) to collect data for contaminatees suspected to be present in drinking water, but that do not have health-based standards set under the Safe Drinking Water Act (SDWA). Below is the UCMR 4 Water Quality data for 2018 and 2019 for the SAWS Northeast system.

<table>
<thead>
<tr>
<th>Parameter/Substance</th>
<th>Collection Date</th>
<th>Highest Level Detected</th>
<th>Concentration Range Found</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>Manganese</td>
<td>2018 23.1</td>
<td>0 – 23.1</td>
<td>ppb</td>
<td></td>
</tr>
<tr>
<td>HAa5</td>
<td>2018 25.8</td>
<td>0.85 – 25.8</td>
<td>ppb</td>
<td></td>
</tr>
<tr>
<td>HAa6Br</td>
<td>2018 34.3</td>
<td>1.01 – 34.3</td>
<td>ppb</td>
<td></td>
</tr>
<tr>
<td>HAa9</td>
<td>2018 48.2</td>
<td>1.25 – 48.2</td>
<td>ppb</td>
<td></td>
</tr>
<tr>
<td>Manganese</td>
<td>2019 2.6</td>
<td>0 – 2.6</td>
<td>ppb</td>
<td></td>
</tr>
<tr>
<td>HAa5</td>
<td>2019 18.7</td>
<td>8.71 – 18.7</td>
<td>ppb</td>
<td></td>
</tr>
<tr>
<td>HAa6Br</td>
<td>2019 13.7</td>
<td>9.73 – 13.7</td>
<td>ppb</td>
<td></td>
</tr>
<tr>
<td>HAa9</td>
<td>2019 26.9</td>
<td>13.84 – 26.9</td>
<td>ppb</td>
<td></td>
</tr>
</tbody>
</table>
DEFINITIONS
The preceding tables contain scientific terms and measures, some of which may require explanation.

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

ALG (Action Level Goal) – The level of a contaminant in drinking water below which there is no known or expected risk to health. ALGs allow for a margin of safety.

Avg (Average) – Regulatory compliance with some MCLs are based on a running annual average of monthly samples.

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.

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.

MFL – Million fibers per liter (a measure of asbestos)

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.

mrem – Millirems per year (a measure of radiation absorbed by the body)

NA – Not applicable

ND – Not detected

NTU – Nephelometric turbidity units (a measure of turbidity)

pCi/L – Picocuries per liter (a measure of radioactivity)

ppb – Parts per billion or micrograms per liter (µg/L) or one ounce in 7,350,000 gallons of water

ppm – Parts per million or milligrams per liter (mg/L) or one ounce in 7,350 gallons of water

ppq – Parts per quadrillion or picograms per liter (pg/L)

ppt – Parts per trillion or nanograms per liter (ng/L)

TT (Treatment Technique) – A required process intended to reduce the level of a contaminant in drinking water

µmhos/cm – Micromhos per centimeter (a measure of conductivity)

STATE WATER LOSS AUDIT
In the water loss audit submitted to the Texas Water Development Board for the time period of January through December 2019, San Antonio Water System lost an estimated total of 13,398,073,243 gallons of water through main breaks, leaks, inaccurate customer metering, theft and other causes.

Questions About Your Water Quality Report?
If you would like more information or a copy of this Water Quality Report, call:
210-233-3546

Call 24 Hours a Day to:
• Report leaks, main breaks or sewer spills
• Discuss water quality concerns
210-704-SAWS (210-704-7297)

In Your Neighborhood
SAWS External Relations team extends its community outreach efforts with neighborhood leaders through homeowners associations and neighborhood meetings, schools and community gatherings. Call us for more information about how we can assist in your neighborhood.
210-233-3246

Website
Our website has the latest news and program information on water issues.
www.saws.org

En español
Este informe incluye información importante sobre el agua potable. Si tiene preguntas o comentarios sobre éste informe en español, favor de llamar al:
210-233-3546