To ensure your tap water is safe, clean and secure, Tucson Water conducts approximately 14,500 individual tests each year on the water in the main distribution system – before it reaches your home. Test results for key parameters are reported by 10 water-quality zones for a water-distribution system that covers some 390 square miles.

November 2018

Main Water System

Water Quality Zones

1
2
3
4
5
6
7
8
9
10

Water in these areas is supplied by independent water companies.
To ensure your tap water is safe, clean and secure, Tucson Water conducts approximately 14,500 individual tests each year on the water in the main distribution system – before it reaches your home. Test results for key parameters are reported by 10 water-quality zones for a water-distribution system that covers some 390 square miles.

November 2018

Main Water System

Test Results by Water Quality Zone

<table>
<thead>
<tr>
<th>Zones</th>
<th>Hardness (mg/L) 84 SP</th>
<th>Sodium (mg/L) 84 SP</th>
<th>Nitrate-N (mg/L) 84 SP</th>
<th>Fluoride (mg/L) 84 SP</th>
<th>pH Level (SU) 246 SP</th>
<th>Minerals (mg/L) 247 SP</th>
<th>Temperature (deg°F) 247 SP</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>133</td>
<td>38</td>
<td>2.29</td>
<td>0.35</td>
<td>7.7</td>
<td>262</td>
<td>76.1</td>
</tr>
<tr>
<td>2</td>
<td>184</td>
<td>52</td>
<td>1.64</td>
<td>0.45</td>
<td>7.8</td>
<td>395</td>
<td>77.1</td>
</tr>
<tr>
<td>3</td>
<td>173</td>
<td>50</td>
<td>1.63</td>
<td>0.48</td>
<td>7.8</td>
<td>369</td>
<td>75.9</td>
</tr>
<tr>
<td>4</td>
<td>108</td>
<td>34</td>
<td>1.36</td>
<td>0.26</td>
<td>7.6</td>
<td>227</td>
<td>76.5</td>
</tr>
<tr>
<td>5</td>
<td>111</td>
<td>38</td>
<td>1.67</td>
<td>0.33</td>
<td>7.5</td>
<td>273</td>
<td>75.6</td>
</tr>
<tr>
<td>6</td>
<td>166</td>
<td>44</td>
<td>1.90</td>
<td>0.33</td>
<td>7.6</td>
<td>334</td>
<td>74.9</td>
</tr>
<tr>
<td>7</td>
<td>165</td>
<td>45</td>
<td>1.69</td>
<td>0.35</td>
<td>7.6</td>
<td>331</td>
<td>74.5</td>
</tr>
<tr>
<td>8</td>
<td>253</td>
<td>57</td>
<td>1.59</td>
<td>0.44</td>
<td>7.4</td>
<td>479</td>
<td>74.6</td>
</tr>
<tr>
<td>9</td>
<td>247</td>
<td>61</td>
<td>1.95</td>
<td>0.50</td>
<td>7.4</td>
<td>480</td>
<td>74.9</td>
</tr>
<tr>
<td>10</td>
<td>197</td>
<td>61</td>
<td>1.17</td>
<td>0.35</td>
<td>7.7</td>
<td>440</td>
<td>77.7</td>
</tr>
<tr>
<td>Avg</td>
<td>169</td>
<td>47</td>
<td>1.66</td>
<td>0.39</td>
<td>7.6</td>
<td>354</td>
<td>75.7</td>
</tr>
</tbody>
</table>

Due to rounding, systemwide averages may vary. mg/L = milligrams per liter
1 mg/L = 1 teaspoon in 1,302 gallons  SU = Standard Units  SP = Sample Points  deg°F = Degrees Fahrenheit

Bacteria Testing
The EPA standard is zero (0) positive test results across samples.

Total Coliform positive results (247 samples) ............... 0
E. Coli positive results (247 samples) ....................... 0
Follow-up assessment required? ...................... no

Chlorine Levels
Tucson Water adds disinfectant chlorine to kill bacteria, viruses and germs in water & pipes.

EPA Standard Maximum

Utility Range

Results: (247 samples)

0.8 mg/L

1.0 mg/L

1.2 mg/L

4.0 mg/L
To ensure your tap water is safe, clean and secure, Tucson Water conducts approximately 14,500 individual tests each year on the water in the main distribution system – before it reaches your home. Test results for key parameters are reported by 10 water-quality zones for a water-distribution system that covers some 390 square miles.

November 2018

To ensure your tap water is safe, clean and secure, Tucson Water conducts approximately 14,500 individual tests each year on the water in the main distribution system – before it reaches your home. Test results for key parameters are reported by 10 water-quality zones for a water-distribution system that covers some 390 square miles.

Catalina Water System

Catalina is a community partially served by Tucson Water. It has about 400 connections, supplying water to about 1,000 people with water from two wells.

Corona de Tucson Water System

Corona de Tucson is a community near Sahuarita and Houghton roads, with about 2,600 connections supplying about 7,300 people with water from three wells.

TEST RESULTS from up to 2 Sample Points (SP)

<table>
<thead>
<tr>
<th>Parameter</th>
<th>Results (mg/L)</th>
<th>Utility Range</th>
</tr>
</thead>
<tbody>
<tr>
<td>Hardness</td>
<td>86 24</td>
<td>0.8 - 1.0</td>
</tr>
<tr>
<td>Sodium</td>
<td>0.47 0.54</td>
<td>0.2 - 1.0</td>
</tr>
<tr>
<td>Nitrates-N</td>
<td>7.9 177</td>
<td>0.0 - 30.0</td>
</tr>
<tr>
<td>Fluoride</td>
<td>0.52 72.4</td>
<td>0.0 - 2.0</td>
</tr>
<tr>
<td>pH Level</td>
<td>4.0 7.6</td>
<td>6.0 - 9.0</td>
</tr>
<tr>
<td>Temperature</td>
<td>0.52 72.4</td>
<td>60.0 - 75.0</td>
</tr>
</tbody>
</table>

mg/L = milligrams per liter
SU = Standard Units
SP = Sample Points
deg F = Degrees Fahrenheit

BACTERIA TESTING

The EPA standard is zero (0) positive test results across samples.

Total Coliform positive results (2 samples) ...................... 0
E. Coli positive results (2 samples) ............................. 0
Follow-up assessment required? ................................. no

CHLORINE LEVELS

Tucson Water adds disinfectant chlorine to kill bacteria, viruses and germs in water & pipes.

EPA Standard Maximum ........................................ 4.0 mg/L

Results: (2 samples) ..............................................
Utility Range ....................................................

EPA Standard Maximum ........................................ 0.8 mg/L

Results: (10 samples) ............................................
Utility Range ....................................................

BACTERIA TESTING

The EPA standard is zero (0) positive test results across samples.

Total Coliform positive results (10 samples) ..................... 0
E. Coli positive results (10 samples) ............................ 0
Follow-up assessment required? ................................. no

CHLORINE LEVELS

Tucson Water adds disinfectant chlorine to kill bacteria, viruses and germs in water & pipes.

EPA Standard Maximum ........................................ 4.0 mg/L

Results: (10 samples) ............................................
Utility Range ....................................................

EPA Standard Maximum ........................................ 0.8 mg/L

Results: (10 samples) ............................................
Utility Range ....................................................

December 2018

To ensure your tap water is safe, clean and secure, Tucson Water conducts approximately 14,500 individual tests each year on the water in the main distribution system – before it reaches your home. Test results for key parameters are reported by 10 water-quality zones for a water-distribution system that covers some 390 square miles.
To ensure your tap water is safe, clean and secure, Tucson Water conducts approximately 14,500 individual tests each year on the water in the main distribution system — before it reaches your home. Test results for key parameters are reported by 10 water-quality zones for a water-distribution system that covers some 390 square miles.

### Diamond Bell Water System

Diamond Bell is a community south and east of Sasabe Road and Diamond Bell Ranch Road respectively, with about 200 connections supplying about 570 people with water from two wells.

### Rancho del Sol Lindo & White Fence Farms Water System

Rancho del Sol Lindo is a community southwest of Silverbell and North Trico roads. Rancho del Sol Lindo has about 1,000 connections, supplying about 2,700 people with water from two wells.

### TEST RESULTS from 1 Sample Point (SP)

<table>
<thead>
<tr>
<th>Parameter</th>
<th>Unit</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Hardness</td>
<td>mg/L</td>
<td>117</td>
</tr>
<tr>
<td>Sodium</td>
<td>mg/L</td>
<td>29</td>
</tr>
<tr>
<td>Nitrate-N</td>
<td>mg/L</td>
<td>1.65</td>
</tr>
<tr>
<td>Fluoride</td>
<td>mg/L</td>
<td>0.37</td>
</tr>
<tr>
<td>pH Level</td>
<td>SU</td>
<td>7.5</td>
</tr>
<tr>
<td>Minerals</td>
<td>mg/L</td>
<td>220</td>
</tr>
<tr>
<td>Temperature</td>
<td>deg F</td>
<td>73.8</td>
</tr>
</tbody>
</table>

mg/L = milligrams per liter  
SU = Standard Units  
SP = Sample Points  
deg F = Degrees Fahrenheit

### Bacteria Testing

The EPA standard is zero (0) positive test results across samples.

- Total Coliform positive results (1 sample)..............0
- E. Coli positive results (1 sample).......................0
- Follow-up assessment required?..........................no

### Chlorine Levels

Tucson Water adds disinfectant chlorine to kill bacteria, viruses and germs in water & pipes.

- **EPA Standard Maximum**
  - 4.0 mg/L
- **Utility Range**
  - 0.8 mg/L - 1.2 mg/L
- **Results: (1 sample)**
  - 0.8 mg/L

### TEST RESULTS from up to 3 Sample Points (SP)

<table>
<thead>
<tr>
<th>Parameter</th>
<th>Unit</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Hardness</td>
<td>mg/L</td>
<td>228</td>
</tr>
<tr>
<td>Sodium</td>
<td>mg/L</td>
<td>53</td>
</tr>
<tr>
<td>Nitrate-N</td>
<td>mg/L</td>
<td>6.59</td>
</tr>
<tr>
<td>Fluoride</td>
<td>mg/L</td>
<td>0.64</td>
</tr>
<tr>
<td>pH Level</td>
<td>SU</td>
<td>7.5</td>
</tr>
<tr>
<td>Minerals</td>
<td>mg/L</td>
<td>467</td>
</tr>
<tr>
<td>Temperature</td>
<td>deg F</td>
<td>73.3</td>
</tr>
</tbody>
</table>

mg/L = milligrams per liter  
SU = Standard Units  
SP = Sample Points  
deg F = Degrees Fahrenheit

### Bacteria Testing

The EPA standard is zero (0) positive test results across samples.

- Total Coliform positive results (3 samples)..............0
- E. Coli positive results (3 samples).......................0
- Follow-up assessment required?..........................no

### Chlorine Levels

Tucson Water adds disinfectant chlorine to kill bacteria, viruses and germs in water & pipes.

- **EPA Standard Maximum**
  - 4.0 mg/L
- **Utility Range**
  - 0.8 mg/L - 1.2 mg/L
- **Results: (3 samples)**
  - 0.8 mg/L - 1.1 mg/L - 1.2 mg/L
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November 2018

Sierrita Foothills Water System

This is a small community by the Three Points area, with 30 connections supplying about 75 people from one well.

Silverbell West Water System

The Silverbell West system has 83 connections serving about 230 people from one well.

TEST RESULTS from 1 Sample Point (SP)

<table>
<thead>
<tr>
<th>Parameter</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Hardness (mg/L)</td>
<td>291</td>
</tr>
<tr>
<td>Sodium (mg/L)</td>
<td>79</td>
</tr>
<tr>
<td>Nitrate-N (mg/L)</td>
<td>4.42</td>
</tr>
<tr>
<td>Fluoride (mg/L)</td>
<td>0.50</td>
</tr>
<tr>
<td>pH Level (SU)</td>
<td>7.3</td>
</tr>
<tr>
<td>Minerals (mg/L)</td>
<td>585</td>
</tr>
<tr>
<td>Temperature (deg°F)</td>
<td>70.3</td>
</tr>
</tbody>
</table>

mg/L = milligrams per liter  
SU = Standard Units  
SP = Sample Points  
deg°F = Degrees Fahrenheit

BACTERIA TESTING

The EPA standard is zero (0) positive test results across samples.

- Total Coliform positive results (1 sample)..........................0
- E. Coli positive results (1 sample) .....................................0
- Follow-up assessment required? ........................................no

CHLORINE LEVELS

Tucson Water adds disinfectant chlorine to kill bacteria, viruses and germs in water & pipes.

- EPA Standard Maximum ..................................................4.0 mg/L
- Utility Range .................................................................1.2 mg/L
- Results: (1 sample) .......................................................0.9 mg/L

mg/L = milligrams per liter  
1 mg/L = 1 teaspoon in 1,302 gallons

mg/L = milligrams per liter  
SU = Standard Units  
SP = Sample Points  
deg°F = Degrees Fahrenheit
To ensure your tap water is safe, clean and secure, Tucson Water conducts approximately 14,500 individual tests each year on the water in the main distribution system – before it reaches your home. Test results for key parameters are reported by 10 water-quality zones for a water-distribution system that covers some 390 square miles.

### Thunderhead Ranch Water System

Thunderhead Ranch is a small subdivision west of Old Spanish Trail and about one and a half miles south of Irvington Road. It has about 57 connections supplying about 160 people with water from two wells.

**TEST RESULTS from 1 Sample Point (SP)**

<table>
<thead>
<tr>
<th>Parameter</th>
<th>Unit</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Hardness</td>
<td>mg/L</td>
<td>75</td>
</tr>
<tr>
<td>Sodium</td>
<td>mg/L</td>
<td>13</td>
</tr>
<tr>
<td>Nitrate-N</td>
<td>mg/L</td>
<td>0.96</td>
</tr>
<tr>
<td>Fluoride</td>
<td>mg/L</td>
<td>0.20</td>
</tr>
<tr>
<td>pH Level</td>
<td>SU</td>
<td>7.8</td>
</tr>
<tr>
<td>Minerals</td>
<td>mg/L</td>
<td>147</td>
</tr>
<tr>
<td>Temperature</td>
<td>deg F</td>
<td>76.6</td>
</tr>
</tbody>
</table>

**mg/L = milligrams per liter**


**BACTERIA TESTING**

The EPA standard is zero (0) positive test results across samples.

- Total Coliform positive results (1 sample)......................0
- E. Coli positive results (1 sample)...............................0
- Follow-up assessment required?......................................no

### Tucson Police-Fire Academy Water System

The Police-Fire Academy, south of Interstate 10 and east of Wilmot Road, was built in the late 1990s. One well supplies about 25 people regularly, plus class members taught at this facility.

**TEST RESULTS from 1 Sample Point (SP)**

<table>
<thead>
<tr>
<th>Parameter</th>
<th>Unit</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Hardness</td>
<td>mg/L</td>
<td>194</td>
</tr>
<tr>
<td>Sodium</td>
<td>mg/L</td>
<td>43</td>
</tr>
<tr>
<td>Nitrate-N</td>
<td>mg/L</td>
<td>0.80</td>
</tr>
<tr>
<td>Fluoride</td>
<td>mg/L</td>
<td>0.36</td>
</tr>
<tr>
<td>pH Level</td>
<td>SU</td>
<td>7.6</td>
</tr>
<tr>
<td>Minerals</td>
<td>mg/L</td>
<td>353</td>
</tr>
<tr>
<td>Temperature</td>
<td>deg F</td>
<td>86.0</td>
</tr>
</tbody>
</table>

**mg/L = milligrams per liter**


**BACTERIA TESTING**

The EPA standard is zero (0) positive test results across samples.

- Total Coliform positive results (1 sample)......................0
- E. Coli positive results (1 sample)...............................0
- Follow-up assessment required?......................................no

### Chlorine Levels

Tucson Water adds disinfectant chlorine to kill bacteria, viruses and germs in water & pipes.

**EPA Standard Maximum**

- 4.0 mg/L
- 1.2 mg/L
- 1.0 mg/L
- 0.8 mg/L

**Utility Range**

**Results: (1 sample)**

- 4.0 mg/L
- 1.2 mg/L
- 0.8 mg/L
- 0.6 mg/L
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Valley View Acres Water System

Valley View Acres is a small community north of Hilltop Road, just west of Sandario Road, with about 150 connections supplying about 470 people with water from two wells.

TEST RESULTS from 1 Sample Point (SP)

<table>
<thead>
<tr>
<th>Parameter</th>
<th>Value (mg/L) SP</th>
<th>Unit (mg/L)</th>
<th>Notes</th>
</tr>
</thead>
<tbody>
<tr>
<td>Sodium</td>
<td>49</td>
<td>1 mg/L</td>
<td></td>
</tr>
<tr>
<td>Nitrate-N</td>
<td>1.85</td>
<td>1 mg/L</td>
<td></td>
</tr>
<tr>
<td>Hardness</td>
<td>104</td>
<td>mg/L</td>
<td></td>
</tr>
<tr>
<td>pH Level</td>
<td>7.7</td>
<td>SU</td>
<td></td>
</tr>
<tr>
<td>Temperature</td>
<td>74.1</td>
<td>deg°F</td>
<td></td>
</tr>
<tr>
<td>Fluoride</td>
<td>0.61</td>
<td>mg/L</td>
<td></td>
</tr>
<tr>
<td>Minerals</td>
<td>269</td>
<td>mg/L</td>
<td></td>
</tr>
</tbody>
</table>

mg/L = milligrams per liter, 1 mg/L = 1 teaspoon in 1,302 gallons, SU = Standard Units, SP = Sample Points, deg°F = Degrees Fahrenheit

Bacteria Testing

The EPA standard is zero (0) positive test results across samples.

- Total Coliform positive results (1 sample)..........................0
- E. Coli positive results (1 sample).....................................0
- Follow-up assessment required?.........................................no

Chlorine Levels

Tucson Water adds disinfectant chlorine to kill bacteria, viruses and germs in water & pipes.

- EPA Standard Maximum: 4.0 mg/L
- Utility Range: 1.2 mg/L
- Results: (1 sample) 0.8 mg/L