### Water Quality Results

#### City of Greensboro 2014 Water Quality Results

**Monitored Leaving the Treatment Plant**

<table>
<thead>
<tr>
<th>Substance</th>
<th>Unit</th>
<th>Highest Allowed by EPA</th>
<th>Public Health Goal (MCLG)</th>
<th>Annual Compliance Testing</th>
<th>Average</th>
<th>Range</th>
<th>Violation</th>
<th>Action Level</th>
<th>Comment</th>
<th>Potential Source of Substances</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Zinc</strong></td>
<td>µg/L</td>
<td>REGULATED</td>
<td>2.0</td>
<td>T &lt; 0.02</td>
<td>M &lt; 0.02</td>
<td>-0.14</td>
<td>&lt;0.01</td>
<td>14/18</td>
<td>NO</td>
<td>Secondary Standard</td>
</tr>
<tr>
<td><strong>Iron</strong></td>
<td>µg/L</td>
<td>REGULATED</td>
<td>3.0</td>
<td>T &lt; 0.01</td>
<td>M &lt; 0.01</td>
<td>-1.75</td>
<td>&lt;0.01</td>
<td>13/18</td>
<td>NO</td>
<td>Secondary Standard</td>
</tr>
<tr>
<td><strong>Lead</strong></td>
<td>µg/L</td>
<td>REGULATED</td>
<td>5.0</td>
<td>T &lt; 0.01</td>
<td>M &lt; 0.01</td>
<td>-1.75</td>
<td>&lt;0.01</td>
<td>13/18</td>
<td>NO</td>
<td>Secondary Standard</td>
</tr>
<tr>
<td><strong>Chloride</strong></td>
<td>µg/L</td>
<td>REGULATED</td>
<td>250</td>
<td>T &lt; 0.05</td>
<td>M &lt; 0.1</td>
<td>2.0-14</td>
<td>&lt;0.01</td>
<td>13/18</td>
<td>NO</td>
<td>Secondary Standard</td>
</tr>
<tr>
<td><strong>Fluoride</strong></td>
<td>µg/L</td>
<td>REGULATED</td>
<td>4.0</td>
<td>T &lt; 0.02</td>
<td>M &lt; 0.02</td>
<td>-1.75</td>
<td>&lt;0.01</td>
<td>13/18</td>
<td>NO</td>
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</tr>
</tbody>
</table>

**Disinfection by-Products**

- **Chloramines as CL₂**
- **Chlorides**
- **Sodium**
- **Chloride**
- **Total Dissolved Solids (TDS)**
- **Sulfate**
- **Sodium**
- **Calcium**
- **Magnesium**
- **Potassium**
- **Iron**
- **Fluoride**

**Disinfection by-Products (Regulated)**

- **Chloramines as CL₂**
- **Chloride**
- **Sodium**
- **Calcium**
- **Magnesium**
- **Potassium**

**Public Health Goal (MCLG)**

- **Zinc**: 2.0 µg/L
- **Iron**: 3.0 µg/L
- **Lead**: 5.0 µg/L
- **Chloride**: 250 µg/L
- **Fluoride**: 4.0 µg/L

**Secondary Standard**

- **Zinc**: 1.0 mg/L
- **Iron**: 1.0 mg/L
- **Lead**: 1.0 mg/L
- **Chloride**: 5.0 mg/L
- **Fluoride**: 1.0 mg/L

**Action Level**

- **Zinc**: 1.0 mg/L
- **Iron**: 1.0 mg/L
- **Lead**: 1.0 mg/L
- **Chloride**: 5.0 mg/L
- **Fluoride**: 1.0 mg/L

**Definitions and Key to Abbreviations Used in a Table**

1. **Treatment Plant**: Location of the treatment plant.
2. **Water Source**: Source of water provided by the plant.
3. **Disinfection by-Products**: By-products of the disinfection process.
4. **Public Health Goal (MCLG)**: Maximum contaminant level goal.
5. **Secondary Standard**: Secondary level of contamination.
6. **Regulated**: Contaminants are regulated by the EPA under the Safe Drinking Water Act.
7. **Not Regulated**: Contaminants are not regulated by the EPA.
8. **Mean**: The average concentration of the contaminant.
9. **Median**: The middle value of the contaminant.
10. **Maximum Contaminant Level Goal (MCLG)**: The upper limit of contamination that is acceptable under the Safe Drinking Water Act.
11. **Maximum Contaminant Level (MCL)**: The upper limit of contamination that is acceptable under the Safe Drinking Water Act.

**Monitoring in the Distribution System**

- **Thermometer Water Plant**: Location of the monitoring point.
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**Further Information**

- **Annual Compliance Testing**: Percentage of samples that meet the MCL.
- **Range**: The range of concentrations of the contaminant.

**NOTES**

- **Secondary Standard**: 100% of all samples were <0.30. The EPA requirement is 95%.
- **Action Level**: 100% of all samples were <0.01. The EPA requirement is 50%.
- **Maximum Contaminant Level Goal (MCLG)**: 100% of all samples were <0.01. The EPA requirement is 95%.

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