### October 2013

#### Monthly Inorganic Averages

<table>
<thead>
<tr>
<th>PARAMETER</th>
<th>UNITS</th>
<th>TOWNSEND RAW</th>
<th>TOWNSEND FINISHED</th>
<th>MITCHELL RAW</th>
<th>MITCHELL FINISHED</th>
</tr>
</thead>
<tbody>
<tr>
<td>Alkalinity, Total</td>
<td>mg/L</td>
<td>35</td>
<td>42</td>
<td>33</td>
<td>40</td>
</tr>
<tr>
<td>Aluminum</td>
<td>mg/L</td>
<td>0.02</td>
<td>0.01</td>
<td>0.03</td>
<td>0.02</td>
</tr>
<tr>
<td>Calcium</td>
<td>mg/L</td>
<td>3.0</td>
<td>9.4</td>
<td>3.0</td>
<td>7.9</td>
</tr>
<tr>
<td>Carbon Dioxide</td>
<td>mg/L</td>
<td>5</td>
<td>2</td>
<td>9</td>
<td>3</td>
</tr>
<tr>
<td>Chloride</td>
<td>mg/L</td>
<td>4</td>
<td>12</td>
<td>3</td>
<td>10</td>
</tr>
<tr>
<td>Chlorine, Total</td>
<td>mg/L</td>
<td>-</td>
<td>3.07</td>
<td>-</td>
<td>3.08</td>
</tr>
<tr>
<td>Color</td>
<td>CU</td>
<td>9</td>
<td>1</td>
<td>12</td>
<td>1</td>
</tr>
<tr>
<td>Copper</td>
<td>mg/L</td>
<td>&lt;0.05</td>
<td>&lt;0.05</td>
<td>&lt;0.05</td>
<td>&lt;0.05</td>
</tr>
<tr>
<td>Fluoride</td>
<td>mg/L</td>
<td>&lt;0.005</td>
<td>&lt;0.005</td>
<td>&lt;0.05</td>
<td>&lt;0.05</td>
</tr>
<tr>
<td>Hardness, Total</td>
<td>mg/L</td>
<td>0.12</td>
<td>0.64</td>
<td>0.13</td>
<td>0.76</td>
</tr>
<tr>
<td>Iron</td>
<td>mg/L</td>
<td>0.08</td>
<td>0.01</td>
<td>0.13</td>
<td>0.01</td>
</tr>
<tr>
<td>Lead</td>
<td>mg/L</td>
<td>0.650</td>
<td>2.300</td>
<td>&lt;0.003</td>
<td>&lt;0.003</td>
</tr>
<tr>
<td>Magnesium</td>
<td>mg/L</td>
<td>2.4</td>
<td>2.3</td>
<td>2.3</td>
<td>2.3</td>
</tr>
<tr>
<td>Manganese</td>
<td>mg/L</td>
<td>0.10</td>
<td>&lt;0.01</td>
<td>0.14</td>
<td>&lt;0.01</td>
</tr>
<tr>
<td>Nitrate</td>
<td>mg/L</td>
<td>0.26</td>
<td>0.26</td>
<td>0.17</td>
<td>0.46</td>
</tr>
<tr>
<td>pH</td>
<td>pH units</td>
<td>7.2</td>
<td>8.3</td>
<td>6.9</td>
<td>8.2</td>
</tr>
<tr>
<td>Phosphorus, Total</td>
<td>mg/L</td>
<td>0.32</td>
<td>2.15</td>
<td>0.32</td>
<td>1.40</td>
</tr>
<tr>
<td>Potassium</td>
<td>mg/L</td>
<td>2.4</td>
<td>2.4</td>
<td>2.7</td>
<td>2.7</td>
</tr>
<tr>
<td>Sodium</td>
<td>mg/L</td>
<td>4.4</td>
<td>16.1</td>
<td>4.1</td>
<td>20.5</td>
</tr>
<tr>
<td>Specific Conductance</td>
<td>µmho</td>
<td>90</td>
<td>190</td>
<td>201</td>
<td>419</td>
</tr>
<tr>
<td>Sulfate</td>
<td>mg/L</td>
<td>0.8</td>
<td>38.2</td>
<td>1.2</td>
<td>40.0</td>
</tr>
<tr>
<td>Total Dissolved Solids</td>
<td>mg/L</td>
<td>56</td>
<td>120</td>
<td>58</td>
<td>130</td>
</tr>
<tr>
<td>Turbidity</td>
<td>NTU</td>
<td>2.6</td>
<td>0.04</td>
<td>4.2</td>
<td>0.09</td>
</tr>
<tr>
<td>Zinc</td>
<td>mg/L</td>
<td>&lt;0.01</td>
<td>&lt;0.01</td>
<td>0.01</td>
<td>&lt;0.01</td>
</tr>
</tbody>
</table>

< number - below the detection limit of the analytical instrument

### Annual Compliance Results for Inorganics

**6/17/2013**

<table>
<thead>
<tr>
<th>PARAMETER</th>
<th>UNITS</th>
<th>TOWNSEND FINISHED</th>
<th>MITCHELL FINISHED</th>
<th>ALLOWABLE LIMIT</th>
</tr>
</thead>
<tbody>
<tr>
<td>Antimony</td>
<td>mg/L</td>
<td>&lt;0.001</td>
<td>&lt;0.001</td>
<td>0.006</td>
</tr>
<tr>
<td>Arsenic</td>
<td>mg/L</td>
<td>&lt;0.005</td>
<td>&lt;0.005</td>
<td>0.010</td>
</tr>
<tr>
<td>Barium</td>
<td>mg/L</td>
<td>&lt;0.400</td>
<td>&lt;0.400</td>
<td>2.000</td>
</tr>
<tr>
<td>Beryllium</td>
<td>mg/L</td>
<td>&lt;0.001</td>
<td>&lt;0.001</td>
<td>0.004</td>
</tr>
<tr>
<td>Cadmium</td>
<td>mg/L</td>
<td>&lt;0.001</td>
<td>&lt;0.001</td>
<td>0.005</td>
</tr>
<tr>
<td>Chromium</td>
<td>mg/L</td>
<td>&lt;0.005</td>
<td>&lt;0.005</td>
<td>0.100</td>
</tr>
<tr>
<td>Cyanide, Total</td>
<td>mg/L</td>
<td>&lt;0.005</td>
<td>&lt;0.005</td>
<td>0.200</td>
</tr>
<tr>
<td>Iron</td>
<td>mg/L</td>
<td>0.012</td>
<td>0.024</td>
<td>0.300</td>
</tr>
<tr>
<td>Manganese</td>
<td>mg/L</td>
<td>0.003</td>
<td>0.004</td>
<td>0.050</td>
</tr>
<tr>
<td>Mercury</td>
<td>mg/L</td>
<td>&lt;0.0002</td>
<td>&lt;0.0002</td>
<td>0.002</td>
</tr>
<tr>
<td>Nickel</td>
<td>mg/L</td>
<td>&lt;0.005</td>
<td>&lt;0.005</td>
<td>N/A</td>
</tr>
<tr>
<td>Selenium</td>
<td>mg/L</td>
<td>&lt;0.005</td>
<td>&lt;0.005</td>
<td>0.050</td>
</tr>
<tr>
<td>Thallium</td>
<td>mg/L</td>
<td>&lt;0.001</td>
<td>&lt;0.001</td>
<td>0.002</td>
</tr>
</tbody>
</table>

Marie Shandor, Laboratory Supervisor  (336) 373-7527  marie.shandor@greensboro-nc.gov