



# WATER QUALITY REPORT CITY OF GREENSBORO, NC

## October 2018

| PARAMETER                         | UNITS    | TOWNSEND<br>RAW | TOWNSEND<br>FINISHED | MITCHELL<br>RAW | MITCHELL<br>FINISHED |
|-----------------------------------|----------|-----------------|----------------------|-----------------|----------------------|
| <b>Monthly Inorganic Averages</b> |          |                 |                      |                 |                      |
| Alkalinity, Total                 | mg/L     | 23              | 25                   | 16              | 23                   |
| Aluminum                          | mg/L     | 0.40            | <0.01                | 0.95            | <0.01                |
| Calcium                           | mg/L     | 3.4             | 12.1                 | 2.1             | 15.5                 |
| Carbon Dioxide                    | mg/L     | 6               | 4                    | 11              | 5                    |
| Chloride                          | mg/L     | 6               | 11                   | 4               | 9                    |
| Chlorine, Total                   | mg/L     | -               | 2.99                 | -               | 3.01                 |
| Color                             | CU       | 24              | 2                    | 63              | 1                    |
| Copper                            | mg/L     | <0.05           | <0.05                | <0.05           | <0.05                |
| Fluoride                          | mg/L     | 0.28            | 0.73                 | 0.09            | 0.09                 |
| Hardness, (EDTA)                  | mg/L     | 24              | 58                   | 20              | 65                   |
| Iron                              | mg/L     | 0.35            | 0.02                 | 1.83            | <0.01                |
| Lead                              | mg/L     | <0.003          | <0.003               | <0.003          | <0.003               |
| Magnesium                         | mg/L     | 1.8             | 1.7                  | 1.3             | 1.5                  |
| Manganese                         | mg/L     | 0.06            | <0.01                | 0.28            | <0.01                |
| Nitrate                           | mg/L     | 0.26            | 0.28                 | 0.61            | 0.73                 |
| PFOA                              | ng/L     | 4.7             | 4.8                  | 3.5             | 3.5                  |
| PFOS                              | ng/L     | 25              | 24                   | 18              | 17                   |
| pH                                | pH units | 7.0             | 8.1                  | 6.6             | 8.1                  |
| Phosphorus, Total                 | mg/L     | 0.02            | 0.92                 | 0.02            | 0.61                 |
| Potassium                         | mg/L     | 2.9             | 2.9                  | 3.0             | 3.1                  |
| Sodium                            | mg/L     | 4.1             | 14.7                 | 2.2             | 16.4                 |
| Specific Conductance              | µmho     | 75              | 213                  | 68              | 242                  |
| Sulfate                           | mg/L     | <1              | 44                   | <1              | 62                   |
| Total Dissolved Solids            | mg/L     | 60              | 122                  | 92              | 151                  |
| Turbidity                         | NTU      | 8.7             | 0.06                 | 50.8            | 0.06                 |
| Zinc                              | mg/L     | <0.01           | <0.01                | <0.01           | <0.01                |

< number - below the detection limit of the analytical instrument

## Annual Compliance Results for Inorganics

5/14/2018

| PARAMETER      | UNITS | TOWNSEND<br>FINISHED | MITCHELL<br>FINISHED | ALLOWABLE<br>LIMIT |
|----------------|-------|----------------------|----------------------|--------------------|
| Antimony       | mg/L  | <0.003               | <0.003               | 0.006              |
| Arsenic        | mg/L  | <0.005               | <0.005               | 0.010              |
| Barium         | mg/L  | <0.400               | <0.400               | 2.000              |
| Beryllium      | mg/L  | <0.002               | <0.002               | 0.004              |
| Cadmium        | mg/L  | <0.001               | <0.001               | 0.005              |
| Chromium       | mg/L  | <0.020               | <0.020               | 0.100              |
| Cyanide, Total | mg/L  | <0.050               | <0.050               | 0.200              |
| Iron           | mg/L  | <0.060               | <0.060               | 0.300              |
| Manganese      | mg/L  | <0.010               | <0.010               | 0.050              |
| Mercury        | mg/L  | <0.0004              | <0.0004              | 0.002              |
| Nickel         | mg/L  | <0.100               | <0.100               | N/A                |
| Selenium       | mg/L  | <0.010               | <0.010               | 0.050              |
| Thallium       | mg/L  | <0.001               | <0.001               | 0.002              |