



WATER QUALITY REPORT CITY OF GREENSBORO, NC

May 2009

| PARAMETER | UNITS | TOWNSEND RAW | TOWNSEND FINISHED | MITCHELL RAW | MITCHELL FINISHED |
|-----------------------------------|----------|-----------------|----------------------|-----------------|----------------------|
| Monthly Inorganic Averages | | | | | |
| Alkalinity, Total | mg/L | 29 | 30 | 39 | 45 |
| Aluminum | mg/L | 0.05 | 0.04 | 0.04 | 0.08 |
| Calcium | mg/L | | | | |
| Carbon Dioxide | mg/L | 4 | 3 | 4 | 3 |
| Chloride | mg/L | 5 | 6 | 6 | 7 |
| Chlorine, Free | mg/L | - | 1.88 | - | 1.86 |
| Color | CU | 8 | 2 | 10 | 1 |
| Copper | mg/L | <0.05 | <0.05 | <0.05 | <0.05 |
| Fluoride | mg/L | 0.12 | 0.66 | 0.13 | 0.68 |
| Hardness, Total | mg/L | 25 | 31 | 37 | 48 |
| Iron | mg/L | 0.06 | <0.01 | 0.05 | <0.01 |
| Lead | mg/L | <0.003 | <0.003 | <0.003 | <0.003 |
| Magnesium | mg/L | | | | |
| Manganese | mg/L | 0.05 | <0.01 | 0.13 | <0.01 |
| Nitrate | mg/L | 0.16 | 0.56 | 0.32 | 0.72 |
| pH | pH units | 6.9 | 7.4 | 6.8 | 7.4 |
| Phosphorus, Total | mg/L | 0.04 | 0.31 | 0.04 | 0.44 |
| Potassium | mg/L | | | | |
| Sodium | mg/L | | | | |
| Specific Conductance | µmho | 90 | 133 | 104 | 161 |
| Sulfate | mg/L | 11.9 | 18.6 | 12.0 | 22.6 |
| Total Dissolved Solids | mg/L | 63 | 85 | 69 | 100 |
| Turbidity | NTU | 3.7 | 0.15 | 3.0 | 0.11 |
| 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

3/17/2009

| PARAMETER | UNITS | TOWNSEND FINISHED | MITCHELL FINISHED | ALLOWABLE LIMIT |
|----------------|-------|----------------------|----------------------|--------------------|
| Antimony | mg/L | <0.001 | <0.001 | 0.006 |
| Arsenic | mg/L | <0.005 | <0.005 | 0.010 |
| Barium | mg/L | <0.400 | <0.400 | 2.000 |
| Beryllium | mg/L | <0.001 | <0.001 | 0.004 |
| Cadmium | mg/L | <0.001 | <0.001 | 0.005 |
| Chromium | mg/L | <0.005 | <0.005 | 0.100 |
| Cyanide, Total | mg/L | <0.005 | <0.005 | 0.200 |
| Iron | mg/L | <0.010 | 0.002 | 0.300 |
| Manganese | mg/L | <0.005 | <0.005 | 0.050 |
| Mercury | mg/L | <0.0002 | <0.0002 | 0.002 |
| Nickel | mg/L | <0.005 | <0.005 | N/A |
| Selenium | mg/L | <0.005 | <0.005 | 0.050 |
| Thallium | mg/L | <0.001 | <0.001 | 0.002 |

Marie Shandor, Laboratory Supervisor

(336) 373-7527

marie.shandor@greensboro-nc.gov