



# WATER QUALITY REPORT CITY OF GREENSBORO, NC

**April 2012**

PARAMETER	UNITS	TOWNSEND RAW	TOWNSEND FINISHED	MITCHELL RAW	MITCHELL FINISHED
<b>Monthly Inorganic Averages</b>					
Alkalinity, Total	mg/L	25	26	41	49
Aluminum	mg/L	0.04	<0.01	0.04	0.03
Calcium	mg/L	5.3	7.9	6.0	8.6
Carbon Dioxide	mg/L	2	2	7	4
Chloride	mg/L	6	12	7	12
Chlorine, Total	mg/L	-	2.91	-	3.04
Color	CU	14	4	12	3
Copper	mg/L	<0.05	<0.05	<0.05	<0.05
Fluoride	mg/L	0.10	0.57	0.12	0.12
Hardness, Total	mg/L	28	46	35	45
Iron	mg/L	0.10	0.01	0.11	<0.01
Lead	mg/L	<0.003	<0.003	0.006	<0.003
Magnesium	mg/L	2.1	2.0	2.5	5.2
Manganese	mg/L	0.07	<0.01	0.13	<0.01
Nitrate	mg/L	0.22	0.26	0.20	0.40
pH	pH units	7.2	8.1	6.9	8.2
Phosphorus, Total	mg/L	0.33	2.22	0.31	2.76
Potassium	mg/L	2.3	2.1	2.2	2.3
Sodium	mg/L	5.2	13.4	6.1	17.1
Specific Conductance	µmho	75	142	99	177
Sulfate	mg/L	8.0	17.2	7.4	35.8
Total Dissolved Solids	mg/L	44	89	58	105
Turbidity	NTU	4.7	0.14	4.9	0.16
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

4/23/2012

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	0.009	0.011	0.300
Manganese	mg/L	0.008	0.012	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