



# WATER QUALITY REPORT CITY OF GREENSBORO, NC

## October 2012

PARAMETER	UNITS	TOWNSEND RAW	TOWNSEND FINISHED	MITCHELL RAW	MITCHELL FINISHED
<b>Monthly Inorganic Averages</b>					
Alkalinity, Total	mg/L	34	38	27	33
Aluminum	mg/L	0.02	0.01	0.03	0.03
Calcium	mg/L	4.8	7.6	4.8	7.7
Carbon Dioxide	mg/L	2	1	9	3
Chloride	mg/L	6	15	5	12
Chlorine, Total	mg/L	-	3.07	-	3.08
Color	CU	6	<1	9	1
Copper	mg/L	<0.05	<0.05	<0.05	<0.05
Fluoride	mg/L	0.13	0.49	0.14	0.48
Hardness, Total	mg/L	32	51	29	42
Iron	mg/L	0.06	<0.01	0.13	0.02
Lead	mg/L	<0.003	<0.003	<0.003	<0.003
Magnesium	mg/L	2.1	2.4	1.9	2.0
Manganese	mg/L	0.14	<0.01	0.17	<0.01
Nitrate	mg/L	0.22	0.37	0.21	0.59
pH	pH units	6.9	8.2	6.9	8.3
Phosphorus, Total	mg/L	0.28	2.57	0.25	1.51
Potassium	mg/L	2.2	2.4	2.3	2.2
Sodium	mg/L	4.1	17.6	3.7	16.9
Specific Conductance	µmho	86	189	89	191
Sulfate	mg/L	1.8	41.5	2.7	45.1
Total Dissolved Solids	mg/L	71	129	60	126
Turbidity	NTU	2.7	0.04	5.6	0.10
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	0.018	0.021	0.300
Manganese	mg/L	0.002	0.002	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