



# WATER QUALITY REPORT CITY OF GREENSBORO, NC

## July 2012

PARAMETER	UNITS	TOWNSEND RAW	TOWNSEND FINISHED	MITCHELL RAW	MITCHELL FINISHED
<b>Monthly Inorganic Averages</b>					
Alkalinity, Total	mg/L	33	35	35	44
Aluminum	mg/L	0.05	0.03	0.03	0.07
Calcium	mg/L	5.0	10.7	6.1	10.4
Carbon Dioxide	mg/L	2	1	9	3
Chloride	mg/L	6	14	6	15
Chlorine, Total	mg/L	-	3.04	-	3.04
Color	CU	11	2	11	2
Copper	mg/L	<0.05	<0.05	<0.05	<0.05
Fluoride	mg/L	0.12	0.47	0.11	0.30
Hardness, Total	mg/L	32	46	32	45
Iron	mg/L	0.06	0.03	0.09	0.03
Lead	mg/L	<0.003	<0.003	<0.003	<0.003
Magnesium	mg/L	2.9	2.8	2.9	2.7
Manganese	mg/L	0.12	0.01	0.26	<0.01
Nitrate	mg/L	0.23	0.26	0.21	0.48
pH	pH units	7.1	8.1	6.8	8.3
Phosphorus, Total	mg/L	0.19	2.08	0.16	2.37
Potassium	mg/L	2.4	2.5	2.7	2.5
Sodium	mg/L	5.4	19.8	5.4	20.2
Specific Conductance	µmho	104	231	97	212
Sulfate	mg/L	4.4	46.5	2.4	43.3
Total Dissolved Solids	mg/L	53	115	58	124
Turbidity	NTU	2.2	0.06	4.4	0.17
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	0.012	0.015	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

Marie Shandor, Laboratory Supervisor

(336) 373-7527

[marie.shandor@greensboro-nc.gov](mailto:marie.shandor@greensboro-nc.gov)