



# WATER QUALITY REPORT CITY OF GREENSBORO, NC

## August 2009

PARAMETER	UNITS	TOWNSEND RAW	TOWNSEND FINISHED	MITCHELL RAW	MITCHELL FINISHED
<b>Monthly Inorganic Averages</b>					
Alkalinity, Total	mg/L	33	33	43	47
Aluminum	mg/L	0.04	0.03	0.01	0.03
Calcium	mg/L	6.0	8.3	5.9	11.1
Carbon Dioxide	mg/L	4	3	6	4
Chloride	mg/L	6	10	6	11
Chlorine, Free	mg/L	-	1.99	-	2.11
Color	CU	8	<1	11	1
Copper	mg/L	<0.05	<0.05	<0.05	<0.05
Fluoride	mg/L	0.13	0.61	0.16	0.77
Hardness, Total	mg/L	27	34	39	50
Iron	mg/L	0.04	<0.01	0.04	<0.01
Lead	mg/L	<0.003	<0.003	<0.003	<0.003
Magnesium	mg/L	2.7	3.2	2.8	3.1
Manganese	mg/L	0.20	<0.01	0.14	<0.01
Nitrate	mg/L	0.12	0.42	0.19	0.57
pH	pH units	7.0	7.4	6.9	7.4
Phosphorus, Total	mg/L	0.04	0.32	0.05	0.43
Potassium	mg/L	2.5	2.8	2.5	2.6
Sodium	mg/L	7.2	16.8	5.4	14.2
Specific Conductance	µmho	93	154	110	191
Sulfate	mg/L	8.7	26.4	6.9	26.7
Total Dissolved Solids	mg/L	63	95	74	114
Turbidity	NTU	4.1	0.15	2.9	0.14
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](mailto:marie.shandor@greensboro-nc.gov)