



# WATER QUALITY REPORT CITY OF GREENSBORO, NC

## July 2009

PARAMETER	UNITS	TOWNSEND RAW	TOWNSEND FINISHED	MITCHELL RAW	MITCHELL FINISHED
<b>Monthly Inorganic Averages</b>					
Alkalinity, Total	mg/L	33	33	39	44
Aluminum	mg/L	0.06	0.04	0.04	0.04
Calcium	mg/L	5.1	9.2	5.6	10.5
Carbon Dioxide	mg/L	4	3	5	4
Chloride	mg/L	5	9	5	10
Chlorine, Free	mg/L	-	1.98	-	2.03
Color	CU	7	<1	12	<1
Copper	mg/L	<0.05	<0.05	0.01	<0.05
Fluoride	mg/L	0.12	0.59	0.15	0.84
Hardness, Total	mg/L	27	37	35	49
Iron	mg/L	0.04	<0.01	0.08	<0.01
Lead	mg/L	<0.003	<0.003	<0.003	<0.003
Magnesium	mg/L	2.6	3.0	2.7	2.8
Manganese	mg/L	0.09	<0.01	0.24	<0.01
Nitrate	mg/L	0.21	0.41	0.38	0.68
pH	pH units	7.1	7.4	6.8	7.4
Phosphorus, Total	mg/L	0.07	0.34	0.08	0.47
Potassium	mg/L	2.3	2.7	2.4	2.4
Sodium	mg/L	5.2	11.9	5.0	11.5
Specific Conductance	µmho	91	143	100	168
Sulfate	mg/L	7.2	23.5	6.9	22.6
Total Dissolved Solids	mg/L	63	92	78	111
Turbidity	NTU	3.1	0.17	4.0	0.13
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

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