



WATER QUALITY REPORT CITY OF GREENSBORO, NC

February 2009

PARAMETER	UNITS	TOWNSEND RAW	TOWNSEND FINISHED	MITCHELL RAW	MITCHELL FINISHED
Monthly Inorganic Averages					
Alkalinity, Total	mg/L	30	30	34	36
Aluminum	mg/L	0.18	0.02	0.26	0.03
Calcium	mg/L	7.9	10.2	9.0	15.0
Carbon Dioxide	mg/L	3	3	4	3
Chloride	mg/L	5	8	6	8
Chlorine, Free	mg/L	-	1.76	-	1.79
Color	CU	14	<1	21	1
Copper	mg/L	<0.05	<0.05	<0.05	<0.05
Fluoride	mg/L	0.16	0.79	0.12	0.76
Hardness, Total	mg/L	29	33	43	49
Iron	mg/L	0.20	<0.01	0.86	0.02
Lead	mg/L	<0.003	<0.003	<0.003	<0.003
Magnesium	mg/L	2.5	2.5	2.6	2.6
Manganese	mg/L	0.08	<0.01	0.37	<0.01
Nitrate	mg/L	0.15	0.22	0.20	0.44
pH	pH units	7.0	7.4	7.0	7.5
Phosphorus, Total	mg/L	0.02	0.38	0.02	0.48
Potassium	mg/L	2.6	2.4	2.4	2.5
Sodium	mg/L	4.7	12.6	4.8	7.6
Specific Conductance	µmho	93	147	88	133
Sulfate	mg/L	11.9	24.8	11.5	23.0
Total Dissolved Solids	mg/L	58	88	72	90
Turbidity	NTU	5.5	0.07	5.4	0.11
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

3/18/2008

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	0.001	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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