



WATER QUALITY REPORT CITY OF GREENSBORO, NC

January 2009

PARAMETER	UNITS	TOWNSEND RAW	TOWNSEND FINISHED	MITCHELL RAW	MITCHELL FINISHED
Monthly Inorganic Averages					
Alkalinity, Total	mg/L	32	32	34	37
Aluminum	mg/L	0.17	0.02	0.48	0.04
Calcium	mg/L	8.6	11.3	9.2	15.8
Carbon Dioxide	mg/L	4	3	3	3
Chloride	mg/L	5	8	5	8
Chlorine, Free	mg/L	-	1.73	-	1.76
Color	CU	12	<1	19	1
Copper	mg/L	<0.05	<0.05	<0.05	<0.05
Fluoride	mg/L	0.17	0.79	0.12	0.80
Hardness, Total	mg/L	30	35	43	50
Iron	mg/L	0.17	<0.01	0.69	<0.01
Lead	mg/L	<0.003	<0.003	<0.003	<0.003
Magnesium	mg/L	2.6	2.6	2.6	2.7
Manganese	mg/L	0.07	<0.01	0.24	<0.01
Nitrate	mg/L	0.12	0.18	0.24	0.39
pH	pH units	7.0	7.4	7.0	7.4
Phosphorus, Total	mg/L	0.02	0.45	0.02	0.34
Potassium	mg/L	2.6	2.6	2.6	2.6
Sodium	mg/L	5.3	12.7	4.9	9.0
Specific Conductance	µmho	90	141	86	134
Sulfate	mg/L	7.7	27.1	10.1	22.8
Total Dissolved Solids	mg/L	61	82	66	83
Turbidity	NTU	4.8	0.06	8.2	0.12
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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