



WATER QUALITY REPORT CITY OF GREENSBORO, NC

September 2012

PARAMETER	UNITS	TOWNSEND RAW	TOWNSEND FINISHED	MITCHELL RAW	MITCHELL FINISHED
Monthly Inorganic Averages					
Alkalinity, Total	mg/L	33	36	28	35
Aluminum	mg/L	0.05	0.02	0.05	0.10
Calcium	mg/L	5.0	8.9	4.8	8.0
Carbon Dioxide	mg/L	2	1	9	3
Chloride	mg/L	6	15	5	14
Chlorine, Total	mg/L	-	3.04	-	3.04
Color	CU	10	2	12	2
Copper	mg/L	<0.05	<0.05	<0.05	<0.05
Fluoride	mg/L	0.12	0.58	0.12	0.45
Hardness, Total	mg/L	30	53	30	42
Iron	mg/L	0.10	0.01	0.18	0.04
Lead	mg/L	<0.003	<0.003	<0.003	<0.003
Magnesium	mg/L	2.1	2.1	1.8	1.9
Manganese	mg/L	0.32	0.01	0.43	0.01
Nitrate	mg/L	0.21	0.32	0.18	0.63
pH	pH units	6.9	8.2	6.8	8.3
Phosphorus, Total	mg/L	0.19	2.20	0.16	1.84
Potassium	mg/L	2.1	2.0	2.1	2.1
Sodium	mg/L	4.1	14.6	3.6	16.5
Specific Conductance	µmho	98	210	90	199
Sulfate	mg/L	1.7	44.0	2.0	44.6
Total Dissolved Solids	mg/L	66	125	68	133
Turbidity	NTU	2.5	0.04	4.1	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

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	0.017	0.018	0.300
Manganese	mg/L	0.002	0.002	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