



WATER QUALITY REPORT CITY OF GREENSBORO, NC

August 2012

PARAMETER	UNITS	TOWNSEND RAW	TOWNSEND FINISHED	MITCHELL RAW	MITCHELL FINISHED
Monthly Inorganic Averages					
Alkalinity, Total	mg/L	34	35	34	42
Aluminum	mg/L	0.04	0.02	0.03	0.09
Calcium	mg/L	4.8	9.8	5.3	7.9
Carbon Dioxide	mg/L	2	1	10	3
Chloride	mg/L	6	14	6	15
Chlorine, Total	mg/L	-	3.06	-	3.04
Color	CU	15	3	15	3
Copper	mg/L	<0.05	<0.05	<0.05	<0.05
Fluoride	mg/L	0.13	0.58	0.12	0.31
Hardness, Total	mg/L	31	49	34	45
Iron	mg/L	0.04	0.03	0.06	0.01
Lead	mg/L	<0.003	<0.003	<0.003	<0.003
Magnesium	mg/L	2.3	2.4	2.4	2.4
Manganese	mg/L	0.10	<0.01	0.17	0.01
Nitrate	mg/L	0.16	0.34	0.13	0.49
pH	pH units	7.1	8.2	6.8	8.3
Phosphorus, Total	mg/L	0.22	2.20	0.26	1.80
Potassium	mg/L	2.1	2.2	2.3	2.3
Sodium	mg/L	4.9	15.2	4.4	21.1
Specific Conductance	µmho	106	219	99	221
Sulfate	mg/L	2.4	45.5	1.8	46.2
Total Dissolved Solids	mg/L	62	130	62	134
Turbidity	NTU	2.3	0.07	3.1	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

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	0.014	0.016	0.300
Manganese	mg/L	0.001	0.001	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