



WATER QUALITY REPORT CITY OF GREENSBORO, NC

November 2012

PARAMETER	UNITS	TOWNSEND RAW	TOWNSEND FINISHED	MITCHELL RAW	MITCHELL FINISHED
Monthly Inorganic Averages					
Alkalinity, Total	mg/L	33	35	33	36
Aluminum	mg/L	0.06	<0.01	0.04	0.02
Calcium	mg/L	4.9	8.7	4.7	8.6
Carbon Dioxide	mg/L	2	1	6	3
Chloride	mg/L	7	16	7	15
Chlorine, Total	mg/L	-	3.06	-	3.06
Color	CU	10	1	12	1
Copper	mg/L	<0.05	<0.05	<0.05	<0.05
Fluoride	mg/L	0.12	0.13	0.15	0.55
Hardness, Total	mg/L	40	52	32	41
Iron	mg/L	0.14	0.02	0.25	0.09
Lead	mg/L	<0.003	<0.003	<0.003	<0.003
Magnesium	mg/L	2.1	1.9	2.0	2.1
Manganese	mg/L	0.10	<0.01	0.12	0.06
Nitrate	mg/L	0.30	0.57	0.30	0.48
pH	pH units	7.2	8.4	7.1	8.3
Phosphorus, Total	mg/L	0.26	2.16	0.18	1.52
Potassium	mg/L	2.2	2.2	2.2	2.2
Sodium	mg/L	4.4	15.1	4.2	15.5
Specific Conductance	µmho	71	142	88	184
Sulfate	mg/L	1.7	25.8	3.7	50.4
Total Dissolved Solids	mg/L	50	104	60	115
Turbidity	NTU	4.0	0.05	5.6	0.08
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	0.018	0.021	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