



WATER QUALITY REPORT CITY OF GREENSBORO, NC

May 2012

PARAMETER	UNITS	TOWNSEND RAW	TOWNSEND FINISHED	MITCHELL RAW	MITCHELL FINISHED
Monthly Inorganic Averages					
Alkalinity, Total	mg/L	27	31	34	39
Aluminum	mg/L	0.04	0.01	0.04	0.04
Calcium	mg/L	4.5	6.6	5.1	8.9
Carbon Dioxide	mg/L	2	2	7	4
Chloride	mg/L	7	13	8	14
Chlorine, Total	mg/L	-	2.89	-	2.98
Color	CU	13	1	12	1
Copper	mg/L	<0.05	<0.05	<0.05	<0.05
Fluoride	mg/L	0.11	0.54	0.11	0.46
Hardness, Total	mg/L	28	41	34	42
Iron	mg/L	0.09	0.03	0.10	0.03
Lead	mg/L	<0.003	<0.003	<0.003	<0.003
Magnesium	mg/L	2.1	2.0	2.4	2.6
Manganese	mg/L	0.06	<0.01	0.14	<0.01
Nitrate	mg/L	0.22	0.28	0.16	0.44
pH	pH units	7.0	8.1	6.9	8.1
Phosphorus, Total	mg/L	0.20	2.24	0.24	2.64
Potassium	mg/L	2.1	2.0	1.9	2.1
Sodium	mg/L	4.8	13.9	5.0	17.9
Specific Conductance	µmho	85	161	105	205
Sulfate	mg/L	5.5	9.1	4.5	39.0
Total Dissolved Solids	mg/L	54	97	70	113
Turbidity	NTU	3.2	0.13	6.1	0.18
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	0.010	0.012	0.300
Manganese	mg/L	0.008	0.011	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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