



EM Johnson WTP Monthly Water Quality Report January 2022

Parameter	Plant Tap	Primary MCL **	Secondary MCL **
Temperature, °C	11.7		
Color, units	1.0		15
pH, units	8.4		6.5 - 8.5
Free Carbon Dioxide, mg/l	0.23		
Total Alkalinity, mg/l as CaCO ₃	30.6		
Total Hardness, mg/l as CaCO ₃	27.6		
Total Dissolved Solids, mg/l	97		
Specific Conductivity, uS/cm	199		
Iron, mg/l	<0.10		0.3
Manganese, mg/l	<0.01		0.05
Fluoride, mg/l	0.62		4
Chloride, mg/l	17.4		
Ammonia, mg/l as N	0.60		
Nitrate, mg/l as N	0.24	10	
Silica, mg/l as SiO ₃	6.10		
Total Coliform Bacteria*	Absent	0	
E. Coli	Absent	0	
Total Trihalomethanes, mg/l	0.0056	0.080	

* In 95% of samples collected

**MCL = Maximum Contaminant Level

Certified By:

Vannessa Barnes

Vannessa Barnes, Laboratory Scientist Supervisor

NC Lab ID Number 37604

*Raleigh Water: Serving the people of Garner, Knightdale, Raleigh, Rolesville,
Wake Forest, Wendell, and Zebulon areas.*

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EM Johnson WTP Finished Water Quality Report 2022 Plant Tap Summary

Parameter	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Average
Temperature, °C	11.7												11.7
Color, units	1.0												1.0
pH, units	8.4												8.4
Free Carbon Dioxide, mg/l	0.23												0.23
Total Alkalinity, mg/l as CaCO ₃	30.6												30.6
Total Hardness, mg/l as CaCO ₃	27.6												27.6
Total Dissolved Solids, mg/l	97												97
Specific Conductivity, uS/cm	199												199
Iron, mg/l	<0.10												<0.10
Manganese, mg/l	<0.01												<0.01
Fluoride, mg/l	0.62												0.62
Chloride, mg/l	17.4												17.4
Ammonia, mg/l as N	0.60												0.6
Nitrate, mg/l as N	0.24												0.24
Silica, mg/l as SiO ₃	6.10												6.10
Total Coliform Bacteria	Absent												Absent
E. Coli	Absent												Absent
Total Trihalomethanes, mg/l	0.0056												0.0056

***Chlorine Burnout, no ammonia added

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