



EM Johnson WTP Monthly Water Quality Report February 2021

Parameter	Plant Tap	Primary MCL **	Secondary MCL **
Temperature, °C	10.2		
Color, units	0.8		15
pH, units	8.5		6.5 - 8.5
Free Carbon Dioxide, mg/l	0.14		
Total Alkalinity, mg/l as CaCO ₃	19.9		
Total Hardness, mg/l as CaCO ₃	22.0		
Total Dissolved Solids, mg/l	127		
Specific Conductivity, uS/cm	191		
Iron, mg/l	<0.10		0.3
Manganese, mg/l	<0.01		0.05
Fluoride, mg/l	0.67		4
Chloride, mg/l	9.0		
Ammonia, mg/l as N	0.58		
Nitrate, mg/l as N	0.29	10	
Silica, mg/l as SiO ₃	8.40		
Total Coliform Bacteria*	Absent	0	
E. Coli	Absent	0	
Total Trihalomethanes, mg/l	0.0048	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 Water Quality Report 2021 Plant Tap Summary

Parameter	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Average
Temperature, °C	9.1	10.2											9.7
Color, units	0.5	0.8											0.7
pH, units	8.5	8.5											8.5
Free Carbon Dioxide, mg/l	0.14	0.14											0.14
Total Alkalinity, mg/l as CaCO ₃	20.9	19.9											20.4
Total Hardness, mg/l as CaCO ₃	21	22											21.5
Total Dissolved Solids, mg/l	123	127											125
Specific Conductivity, uS/cm	186	191											189
Iron, mg/l	<0.10	<0.10											<0.10
Manganese, mg/l	<0.01	<0.01											<0.01
Fluoride, mg/l	0.57	0.67											0.62
Chloride, mg/l	10.2	9.0											9.6
Ammonia, mg/l as N	0.56	0.58											0.6
Nitrate, mg/l as N	0.24	0.29											0.27
Silica, mg/l as SiO ₃	8.60	8.4											8.50
Total Coliform Bacteria*	Absent	Absent											Absent
E. Coli	Absent	Absent											Absent
Total Trihalomethanes, mg/l	0.0046	0.0048											0.0047

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