



EM Johnson WTP Monthly Water Quality Report February 2022

| Parameter | Plant Tap | Primary MCL ** | Secondary MCL ** |
|---|-----------|----------------|------------------|
| Temperature, °C | 8.4 | | |
| Color, units | 0.5 | | 15 |
| pH, units | 8.4 | | 6.5 - 8.5 |
| Free Carbon Dioxide, mg/l | 0.22 | | |
| Total Alkalinity, mg/l as CaCO ₃ | 27.6 | | |
| Total Hardness, mg/l as CaCO ₃ | 27.9 | | |
| Total Dissolved Solids, mg/l | 102 | | 500 |
| Specific Conductivity, uS/cm | 208 | | |
| Iron, mg/l | <0.10 | | 0.3 |
| Manganese, mg/l | <0.01 | | 0.05 |
| Fluoride, mg/l | 0.73 | 4 | 2 |
| Chloride, mg/l | 14.5 | | 250 |
| Ammonia, mg/l as N | 0.57 | | |
| Nitrate, mg/l as N | 0.21 | 10 | |
| Silica, mg/l as SiO ₃ | 7.10 | | |
| Total Coliform Bacteria* | Absent | 0 | |
| E. Coli | Absent | 0 | |
| Total Trihalomethanes, mg/l | 0.0136 | 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 | 8.4 | | | | | | | | | | | 10.1 |
| Color, units | 1.0 | 0.5 | | | | | | | | | | | 0.8 |
| pH, units | 8.4 | 8.4 | | | | | | | | | | | 8.4 |
| Free Carbon Dioxide, mg/l | 0.23 | 0.22 | | | | | | | | | | | 0.23 |
| Total Alkalinity, mg/l as CaCO ₃ | 30.6 | 27.6 | | | | | | | | | | | 29.1 |
| Total Hardness, mg/l as CaCO ₃ | 27.6 | 27.9 | | | | | | | | | | | 27.8 |
| Total Dissolved Solids, mg/l | 97 | 102 | | | | | | | | | | | 100 |
| Specific Conductivity, uS/cm | 199 | 208 | | | | | | | | | | | 204 |
| Iron, mg/l | <0.10 | <0.10 | | | | | | | | | | | <0.10 |
| Manganese, mg/l | <0.01 | <0.01 | | | | | | | | | | | <0.01 |
| Fluoride, mg/l | 0.62 | 0.73 | | | | | | | | | | | 0.68 |
| Chloride, mg/l | 17.4 | 14.5 | | | | | | | | | | | 16.0 |
| Ammonia, mg/l as N | 0.60 | 0.57 | | | | | | | | | | | 0.6 |
| Nitrate, mg/l as N | 0.24 | 0.21 | | | | | | | | | | | 0.23 |
| Silica, mg/l as SiO ₃ | 6.10 | 7.1 | | | | | | | | | | | 6.60 |
| Total Coliform Bacteria | Absent | Absent | | | | | | | | | | | Absent |
| E. Coli | Absent | Absent | | | | | | | | | | | Absent |
| Total Trihalomethanes, mg/l | 0.0056 | 0.0136 | | | | | | | | | | | 0.0096 |

***Chlorine Burnout, no ammonia added

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