



## Water Quality Results (Monthly Averages), 2026

This report provides results of monthly water quality testing. Annual results can be found in the annual water quality report published each May, available at

<https://www.charlestonwater.com/waterreport>

Questions? Contact Becky Thames, Laboratory Director at [thamesrm@charlestoncpw.com](mailto:thamesrm@charlestoncpw.com).

Parameter	Units	January 2026	February 2026	March 2026	April 2026	May 2026	June 2026	July 2026	August 2026	Sept 2026	Oct 2026	Nov 2026	Dec 2026	YTD Average	YTD Min	YTD Max
pH	SU	8.9												8.9	8.9	8.9
Alkalinity	mg/L	24												24	24	24
Turbidity	NTU	0.22												0.22	0.22	0.22
Color	PCU	2												2	2	2
Total Coliform (P/A)	100 ml	Absent												Absent	Absent	Absent
HPC (Heterotrophic Plate Count) (<500 CFU/ml)	1 ml	<2.0												<2.0	<2.0	<2.0
Total Chlorine Res.	mg/L	3.6												3.6	3.6	3.6
Temp	C	13												13	13	13
Fluoride	mg/L	0.20												0.20	0.20	0.20
Chloride	mg/L	17												17	17	17
Conductivity	umhos/cm	174												174	174	174
TDS (Total Dissolved Solids)	mg/L															
Ammonia (Total)	mg/L	0.30												0.30	0.30	0.30
Ammonia (Free)	mg/L	<0.10												<0.10	<0.10	<0.10
Ortho-phosphate	mg/L	1.1												1.1	1.1	1.1
Total Hardness*	mg/L	46												46	46	46
Ca Hardness	mg/L	35												35	35	35
THM (Trihalomethanes)	ug/L	10.6												10.6	10.6	10.6
TOC (Total Organic Carbon)	mg/L	1.9												1.9	1.9	1.9
Silica	mg/L															
Sulfate	mg/L	22												22	22	22
Sodium	mg/L	12												12	12	12
Aluminum	mg/L	0.08												0.08	0.08	0.08
Copper	mg/L	<0.05												<0.05	<0.05	<0.05
Iron	mg/L	<0.10												<0.10	<0.10	<0.10
Lead	mg/L	0.001												0.001	0.001	0.001
Manganese	mg/L	<0.05												<0.05	<0.05	<0.05
Calcium	mg/L	14												14	14	14
Magnesium	mg/L	2.7												2.7	2.7	2.7
Nitrate	mg/L	0.34												0.34	0.34	0.34
Nitrite	mg/L	<0.05												<0.05	<0.05	<0.05
HAA5 (Haloacetic Acid)	ug/L	10.39												10.39	10.39	10.39

### Abbreviations

BDL = Below detection level  
 NA = not applicable  
 SU = standard units  
 < = less than  
 P/A = Present/Absent

mg/L = milligrams per liter (ppm)  
 ug/L = micrograms per liter (ppb)  
 umhos/cm = micromhos per centimeter

### Notes

\*Hardness Scale:  
 <17.1 mg/L = soft  
 17.1 to 60 mg/L = slightly hard  
 60 to 120 mg/L = moderately hard  
 120 to 180 mg/L = hard