

Manassas city has a lower-risk groundwater profile. Nitrite is detected in ~100% of wells, driven by sources. Contamination is often invisible — testing is the only way to confirm your well’s safety.

N/A
HOUSEHOLDS ON PRIVATE WELLS

Varies
PRIMARY AQUIFER TYPE

LOW
OVERALL RISK LEVEL

YOUR TOP WATER QUALITY RISKS

CONTAMINANT	HOW COMMON	RISK LEVEL	SOURCE & CONTEXT
Nitrite	~100% of wells	Low–Moderate	
Nitrate	~100% of wells	Low–Moderate	Agricultural — Fertilizer, manure, and septic systems leaching into groundwater
Nitrate	~100% of wells	Low–Moderate	Agricultural — Fertilizer, manure, and septic systems leaching into groundwater
Nitrite	~100% of wells	Low–Moderate	
Ph*	~100% of wells	Low–Moderate	Geological — Aquifer mineral chemistry; low pH accelerates pipe corrosion

* Secondary standard — an aesthetic limit for taste, odor, or staining. Not a health-based EPA limit.

WHAT TO DO NEXT

- 1 Order a water test.**
Test for Nitrite, Nitrate, Nitrate, Nitrite, coliform bacteria. Bacteria annually; others every 3–5 years.
- 2 Get your free county report.**
See full data, treatment options, and certified labs at <https://yourwaterreport.com/states/va/manassas-city/>
- 3 Upload your lab results.**
We'll interpret them, flag anything above limits, and recommend next steps — free.

KNOW YOUR WELL

Well age / year drilled _____

Last water test date _____

Treatment systems installed _____

Well driller / service contact _____

WHAT YOUR RESULTS MEAN

Use this to interpret your lab report — match the contaminant to your result.

IF YOUR TEST SHOWS	WHAT IT MEANS	CONSIDER
Bacteria detected	Immediate concern	Shock chlorination; add UV system
Nitrate > 10 mg/L	EPA limit exceeded — risk for infants	RO filter; avoid for bottle-fed infants

WHO SHOULD USE THIS

- Homeowners on private wells — not covered by public water testing
- Home buyers doing due diligence before closing
- Families with infants, elderly, or immunocompromised members
- Anyone who hasn't tested their well in the past 3 years

LOCAL RESOURCES

Full county report
<https://yourwaterreport.com/states/va/manassas-city/>

Free personalized well water report at <https://yourwaterreport.com/states/va/manassas-city/>

Data: EPA ECHO · USGS NWIS · Water Quality Portal · U.S. Census ACS
For informational purposes only. Contact a licensed professional for testing and treatment.