

# HOME LAND

## LABS

1220 East Joppa Road #C505  
Towson, MD 21286  
Phone 443.505.8375  
lab@homelandhealthyhomes.com  
State Certified Water Quality Lab 365

108 Old Solomons Island Road, Suite 12  
Annapolis, MD 21401  
Phone 443.505.8375  
lab@homelandhealthyhomes.com  
State Certified Water Quality Lab 106

3430 Rockefeller Court  
Waldorf, MD 20602  
Phone 443.505.8375  
lab@homelandhealthyhomes.com  
State Certified Water Quality Lab 139

### Certificate of Analysis

Report Date: 04/01/2025

Client: Mary Barajas

Property Address: 124 Main Street  
Severn, MD 21144

Report No: 271109

Sample Time: 03/31/2025 13:50

Date & Time Received: 03/31/2025 14:40

Sampled By: Mary Barajas - 4191MB

Field Preservation: Ice

Sample Point(s): Bathroom

Water Conditioning Appears to be: None

Field Chlorine: 0.00

Field pH: <6.20

Well Type: Drilled

Well Height: 12"

Cap Type: Vented Cast Iron

Casing: PVC

Conduit: Black PVC

Clarity: Not Noted

Sand: Not Noted

Well Tag Number: AA-81-8838

This report is the sole property of Mary Barajas. Any questions about the report MUST be directed to Mary Barajas at (410) 570-5317. Home Land Labs is not at liberty to discuss this report without written consent from Mary Barajas.

Primary Contaminants								
Parameter	Method	Result	Pass/Fail	Units	MCL	RL	Analyst	Date of Analysis
Bacteria-Total Coliform	Colilert-18 Test	Absent	Pass	Per/100ml	Present	1	M R - 106	04/01/2025
Bacteria-E.coli	Colilert-18 Test	Absent	Pass	Per/100ml	Present	1	M R - 106	04/01/2025
Nitrate + Nitrite as N	EPA 353.2	6.8	Pass	mg/L	10	0.5	K B - 365	04/01/2025
Turbidity	EPA 180.1	Not Detected	Pass	NTU	10	0.5	M R - 106	03/31/2025

### Report Notes

The lab added the following notes for your report:

- These results are for informational use only and not to be used for compliance purposes.

Approved By:



Lindsay Smith, Lab Director

## Understanding the Results

This narrative is intended to help the recipient understand the results. The information listed below is for tests commonly sampled or analyzed by Home Land Environmental Labs. For a full list of the Environmental Protection Agency's (EPA) Primary and Secondary Drinking Water Standards, please visit [www.epa.gov](http://www.epa.gov). For more information on the services we offer, please visit [www.homelandhealthyhomes.com](http://www.homelandhealthyhomes.com).

## Definitions and Acronyms

**Maximum Contamination Level (MCL):** A level established by the EPA which is the "highest level of a contaminant that is allowed in drinking water." Any level that exceeds the MCL is considered unsafe for human consumption. Secondary MCL (SMCL) is used for Secondary Drinking Water Standards.

**Action Level:** A measure of the effectiveness of the corrosion control treatment in water systems.

**Not Detected (ND):** Any level below the reporting limit.

**Analyst:** Refers to the individual who conducted the test.

**Method:** The type of analysis used to determine the results.

**Reporting Limit (RL):** The lowest level that can be detected by the method used for the analysis.

**Primary Drinking Water Standard:** Enforceable standards developed by the EPA. Levels that exceed the MCL for a particular standard are considered too unsafe for human consumption.

**Secondary Drinking Water Standard:** Standards developed by the EPA. Secondary standards are generally not considered to be dangerous to human health. They may cause aesthetic or cosmetic problems to the water quality or plumbing distribution system.

This table is for informational purposes only. See first page of report for your results.

Parameter	MCL/SMCL	Type	Effects	Source	Common Treatment Options
Total Coliform Bacteria	Present or 1 MPN/100mL	Primary	Used to indicate whether potentially harmful bacteria are present	Naturally Present	Well Repair and Chlorination, UV light
E. Coli Bacteria	Present or 1 MPN/100mL	Primary	Stomach illness	Human and animal fecal waste	Well Repair and Chlorination, UV light
Nitrates	10.0 mg/L	Primary	Blue-Baby Syndrome	Fertilizers and sewage	Reverse Osmosis System
Nitrites	1.0 mg/L				
Lead	Action Level of 0.015 mg/L	Primary	Slowed mental development, kidney problems, high blood pressure	Corrosion of household plumbing systems; erosion of natural deposits	Acid Neutralizer, Chemical Feeder (Soda Ash), Pipe Replacement
Radium Gross Alpha	15.0 pCi/L	Primary	Increased risk of cancer	Naturally occurring	Water Softener
Radium 226 & 228	5.0 pCi/L				
Volatile Organic Compounds (VOCs)	Varies	Primary	Increased risk of cancer	Gas and chemical leaks	Charcoal Filter
Arsenic	0.010 mg/L	Primary	Skin Damage, circulatory problems, cancer	Natural deposits, orchards, industrial waste	Reverse Osmosis System
Cadmium	0.005 mg/L	Primary	Kidney damage	Pipes, natural deposits, industrial waste	Reverse Osmosis System, Water Softener
Copper	Action Level of 1.3 mg/L	Primary	Gastrointestinal distress, liver or kidney damage	Corrosion of household plumbing systems, erosion of natural deposits	Acid Neutralizer, Reverse Osmosis System, Pipe Replacement
	1.0 mg/L	Secondary	Metallic taste; blue-green staining		
Turbidity (Public Water Systems)	1.0 NTU	Primary	Water treatment interference, possible bacteria indicator	Varies	Filtration, Source Protection
Turbidity (Private Wells)	10.0 NTU (MD COP Requirement)	Primary	Possible bacteria indicator	Surface water, iron, other	Filtration, Source Protection
Iron	0.3 mg/L	Secondary	Possible staining on plumbing fixtures and laundry	Naturally occurring	Water Softener
Chlorides	250 mg/L	Secondary	Salty taste, plumbing corrosion	Salt water intrusion, road salts	Source Protection, Whole House Reverse Osmosis System
pH	Outside of 6.5-8.5 (Neutral range)	Secondary	Low pH: Bitter metallic taste, corrosion High pH: Slippery feel, soda taste, Deposits	Naturally occurring	Acid Neutralizer

# HOME LAND

## LABS



271109

Due Date: 04/02/2025

Client: Mary Baraj

Phone: (443) 505-8375 Email: [lab@homelandhealthyhomes.com](mailto:lab@homelandhealthyhomes.com)

1220 E Joppa Rd. Ste C505

Towson, MD 21286

MD Lab # 365

108 Old Solomons Island Road, Ste L2

Annapolis, MD 21401

MD Lab # 106

3430 Rockefeller Court

Waldorf, MD 20602

MD Lab # 139

2216 Commerce Road, Ste 2A

Forest Hill, MD 21050

Please provide completed form with samples. Highlighted fields are required.

Client Name: <b>MARY BARAJAS</b>	Property Address: <b>124 Main Street</b>
Email Address: <b>MARY@AW-HI.COM</b>	<b>Severn, MD 21144</b>
Phone Number: <b>410 570 5317</b>	

### Field Collection Information

Sampler Name: <b>MARY BARAJAS</b>	Field pH: <b>6.2</b>
Sampler ID #: <b>4191MB</b>	Field Chlorine (mg/L): <b>0</b>
Date Sampled: <b>3-31-2025</b>	Time Sampled: <b>1:50 PM</b>
Well Tag Number: <b>AA-81-8838</b>	Sand <b>Clarity:</b>
Compliance sample for public water system? <input checked="" type="checkbox"/> No <input type="checkbox"/> Yes If yes, PWS ID #:	

### Well Casing and Cap Condition

Well Type: ☒ Drilled ☐ Well Pit ☐ Below Grade ☐ Artesian ☐ Hand Dug ☐ N/A ☐ Other: \_\_\_\_\_

Height Above Grade: <b>12 inches</b>	Cap Type: <b>Vented Cast Iron</b>	Casing: <b>PVC</b>	Conduit: <b>Black PVC</b>
Sample Point: <b>Bathroom</b>		Water Conditioning: <b>none</b>	

### Requested Testing: (Please check all that apply)

- |   |                                      |   |
|---|--------------------------------------|---|
| <input checked="" type="checkbox"/> Potability (Bacteria, Nitrate + Nitrite, Turbidity) |                                      |   |
| <input type="checkbox"/> FHA/VA (Bacteria, Nitrate + Nitrite, Turbidity, Lead, Iron)    |                                      |   |
| <input type="checkbox"/> Bacteria   | <input type="checkbox"/> Chlorides   | <input type="checkbox"/> Total Dissolved Solids |
| <input type="checkbox"/> Lead   | <input type="checkbox"/> Hardness    | <input type="checkbox"/> Copper                 |
| <input type="checkbox"/> Nitrate + Nitrite  | <input type="checkbox"/> Arsenic     | <input type="checkbox"/> VOCs                   |
| <input type="checkbox"/> Iron   | <input type="checkbox"/> Cadmium     | <input type="checkbox"/> Other: _____           |
| <input type="checkbox"/> Turbidity  | <input type="checkbox"/> Gross Alpha | <input type="checkbox"/> Other: _____           |

### List rush samples below

\*Refer to table for rush turnaround times and fees\*

### Release Signatures

Released By: <u><i>[Signature]</i></u>	Date/Time: <u>3-31-25 2:40</u>
Released By: _____	Date/Time: _____
Released By: _____	Date/Time: _____
Received in lab by: <u><i>[Signature]</i></u>	Date/Time: <u>3/31/25 2:40pm</u>

Samples received on ice?

☒ Yes ☐ No

Temperature: \_\_\_\_\_