

# 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 I2  
Annapolis, MD 21401  
Phone 443.505.8375  
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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: 07/20/2022

Client: Well Water Solutions, Inc.

Property Address: 2807 Old Court Rd  
Pikesville, MD

Report No: 225019

Sample Time: 07/18/2022 12:00

Date & Time Received: 07/19/2022 11:50

Sampled By: John Moseman - 2674JM

Field Preservation: Ice

Sample Point(s): Well/Kitchen

Water Conditioning Appears to be: None

Field Chlorine: 0.00

Field pH: 5.00

Well Type: Drilled

Well Height: 2'

Cap Type: 1-Piece

Casing: Steel

Conduit: PVC

Clarity: Clear

Sand: Absent

Well Tag Number: No Tag

This report is the sole property of Well Water Solutions, Inc.. Any questions about the report MUST be directed to Well Water Solutions, Inc. at (410) 935-7185. Home Land Labs is not at liberty to discuss this report without written consent from Well Water Solutions, Inc..

### Primary Contaminants

Parameter	Method	Result	Pass/Fail	Units	MCL	RL	Analyst	Date of Analysis
Bacteria-Total Coliform	Colilert Test	Present	Fail	Per/100ml	Present	1	M K - 365	07/20/2022
Bacteria-E.coli	Colilert Test	Absent	Pass	Per/100ml	Present	1	M K - 365	07/20/2022
Nitrate + Nitrite as N	EPA 353.2	0.6	Pass	mg/L	10	0.5	A D - 365	07/19/2022
Turbidity	EPA 180.1	11.3	Fail	NTU	10	0.5	M K - 365	07/19/2022

Approved By: 

Denise Junis, 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 contaminate 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 whom 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

## L A B S

225019 Due Date: 01/21/2022  
Client: Well Water

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

1220 E Joppa Rd. Ste C505 108 Old Solomons Island Road, Ste L2 3430 Rockefeller Court 2216 Commerce Road, Ste 2  
Towson, MD 21286 Annapolis, MD 21401 Waldorf, MD 20602 Forest Hill, MD 21050  
MD Lab # 365 MD Lab # 106 MD Lab # 139

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

<b>Client Name:</b> Well Water Solutions, Inc.	<b>Property Address:</b>
<b>Email Address:</b> jemoseman@wellwatersolutions.net & jbieber@wellwatersolutions.net	2807 OLD CT RD
<b>Phone Number:</b> 410-935-7185	PICKERSVILLE MD

### Field Collection Information

<b>Sampler Name:</b> John Moseman	<b>Field pH:</b> 5
<b>Sampler ID #:</b> 2674JM	<b>Field Chlorine (mg/L):</b> Present / <u>Absent</u>
<b>Date Sampled:</b> 7/18	<b>Time Sampled:</b> 12:00
<b>Well Tag Number:</b> NOTAL	<b>Sand Present /</b> <u>Absent</u>
<b>Compliance sample for public water system?</b> <input checked="" type="checkbox"/> No <input type="checkbox"/> Yes	<b>Clarity:</b> <u>Clear</u> / Un-Clear
<small>Well Water Testing</small>	<b>If yes, PWS ID #:</b>

### Well Casing and Cap Condition

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

<b>Height Above Grade:</b> 2 FT	<b>Cap Type:</b> 1 piece	<b>Casing:</b> Steel	<b>Conduit:</b> PVC
<b>Sample Point:</b> Well / Kettle		<b>Water Conditioning:</b> NONE	

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

- Potability (Bacteria, Nitrate + Nitrite, Turbidity)
- FHA/VA (Bacteria, Nitrate + Nitrite, Turbidity, Lead, Iron)
- Bacteria
- Lead
- Nitrate + Nitrite
- Iron
- Turbidity
- Chlorides
- Hardness
- Arsenic
- Cadmium
- Gross Alpha
- Total Dissolved Solids
- Copper
- VOCs
- Other:  TDS  Sodium Radium Long Term 226 & 228

#### List rush samples below

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

### Release Signatures

Released By: John Moseman  
Released By: \_\_\_\_\_  
Released By: \_\_\_\_\_  
Received in lab by: \_\_\_\_\_

Date/Time: 7/18 12:00  
Date/Time: 7/19 9:00  
Date/Time: 7/19 11:50  
Date/Time: 7/19/22 11:50AM