

# Assured Bio Labs, LLC

## Water Analysis Report



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Tennessee Division of Water Resources Lab ID: 03147

**REVIEWED**

*By Deni Scar Sobek at 5:39 pm, May 30, 2024*

<b>Inspector:</b>	Dale Kerr	<b>Date Collected:</b>	5/29/2024
<b>Project Name:</b>	Forest Grove RV Park	<b>Date Received:</b>	5/29/2024
<b>Project Number:</b>		<b>Date Reported:</b>	5/30/2024
<b>Assured Bio ID:</b>	DK052924-2	<b>Analyst(s):</b>	D. Christopher, J. Wilder

<b>Assured Bio Identifier:</b>	DK052924-2-1	<b>Sample Condition:</b>	Intact
<b>Sample ID:</b>	Day 2	<b>Sample Type:</b>	Water
<b>Sample Description:</b>	Total Coliform/E. Coli, Turbidity, Well 1		

Analysis	Result	Unit
Coliform: Most Probable Number	<1.0	MPN/mL
Coliform: 95% Lower Limit	0.0	MPN/mL
Coliform: 95% Upper Limit	3.7	MPN/mL

Analysis	Result	Unit
Turbidity	3.9	NTU

E. coli: Most Probable Number	<1.0	MPN/mL
E. coli: 95% Lower Limit	0.0	MPN/mL
E. coli: 95% Upper Limit	3.7	MPN/mL

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<b>Assured Bio Identifier:</b>	DK052924-2-2	<b>Sample Condition:</b>	Intact
<b>Sample ID:</b>	Day 2	<b>Sample Type:</b>	Water
<b>Sample Description:</b>	Total Coliform/ E. Coli, Turbidity, Well 3		

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<u>Analysis</u>	<u>Result</u>	<u>Unit</u>
Coliform: Most Probable Number	11.0	MPN/mL
Coliform: 95% Lower Limit	5.7	MPN/mL
Coliform: 95% Upper Limit	20.1	MPN/mL

<u>Analysis</u>	<u>Result</u>	<u>Unit</u>
Turbidity	0.2	NTU

E. coli: Most Probable Number	1.0	MPN/mL
E. coli: 95% Lower Limit	0.1	MPN/mL
E. coli: 95% Upper Limit	5.5	MPN/mL

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## Reference Table

Contaminants	Maximum Contaminant Levels	Range of Detection
Coliform/ <i>E. coli</i>	0 CFU/L (Primary)	<1 MPN/mL->2420 MPN/mL
Turbidity	No EPA Standard Published	0-200 NTU

This chart serves as a reference to the maximum of containment levels set forth by the EPA. It is not a representation of your samples, but a guide to assist in the interpretation of your results. Please consult your local and state regulations.

**Please contact us with any questions about methods used or for data interpretation.**

### Abbreviations:

BDL	Below Detectable Limits
CFU	Colony Forming Units
L	Liter
P/A	Presence/Absence
MPN	Most Probable Number
NTU	Nephelometric Turbidity unit

### Coliform/*E. coli* Analysis Information:

Incubation Temperature:	35 °C/44.5° C
Media:	Colilert/Colilert-18
Incubation Time:	24 Hours/18 Hours (+4 if ambiguous)

## Methods of Analysis

Assured Bio Labs, LLC uses the following Standard Operating Procedures for the analysis of samples:  
CD 205: Coliform Presence Absence Test According to the EPA Manual for the Certification of Laboratories Analyzing Drinking Water, CD 219: Hach Water Testing (DR 3900) Using TNT, Powder Pillow, or Other Photospectroscopic Methods. Assured Bio Labs uses the following methods for analysis: CD 253 Quanti-Tray Most Probable Number (MPN) for Coliform, E. coli, and Fecal Coliforms

## Reporting Limits

**Method Detection Limit:** The American Industrial Hygiene Association defines this term in AIHA LAP, LLC Policy Document – Module 9 as "The minimum concentration of an analyte that, in a given matrix and with a specific method, has a 99 percent probability of being identified, qualitatively or quantitatively measured, and reported to be greater than zero."

**Reporting Limit:** The American Industrial Hygiene Association defines this term in AIHA LAP, LLC Policy Document – Module 9 as "The lowest concentration of analyte in a sample that can be reported with a defined, reproducible level of certainty."

**Range of Detection:** The reporting limit to the maximum reporting limit giving the currently used testing methodology at Assured Bio labs LLC. Any amount reported outside of this range should be considered an estimate. Values outside of this range may be reported as greater than (">") or less than ("<").

## Additional Comments

The analytical data included in this report reflect only the conditions of the material sampled and submitted to the laboratory for analysis at the time of collection. We can make no claims to the safety or potability of water. The results included in this report may not be used for past or future environmental conditions. The results apply to the sample(s) as received. Potential interferences may exist for certain tests. When such interferences are detected, they will be report when potentially affecting the result and the Maximum Contaminant Level. A list of methods used can be provided upon request. If you require a certain method please contact us for further guidance.

## Limitations

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## Selected References

- EPA Manual of the Certification of Laboratories Analyzing Drinking Water, 5th Edition. EPA 815-R-05-004, January 2005.
- Food and Drug Administration. 1998. Bacteriological Analytical Manual. Appendix 2. Eighth Edition, Revision A. Silver Spring, Maryland
- Colilert-18/Colilert IFU insert

Temp 55

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**General Chain of Custody**

AB Identifier: (for internal use only)

DK052924-2

Inspector/Customer:

DALE IVERN

Company Address:

1965 Chapman Hwy Sevierville TN 37876

Phone:

865-366-3434

Email:

Kenking@kingpurewater.com Sales@kingpurewater.com

Outside Conditions  
(circle all that apply)

Clear Rain Wind  
Thunderstorm Snow Other

Sample Codes (SC) MT - M-Trap@ SP - Spore Trap SW - Swab  
W - Water B - Bulk TL - Tape Lift D - Dust O - Other

Sample ID	Description	SC	Volume/Area (If Applicable)	Comments
Day 2	Total Coliform/E.Coli	W		well 1 MPN
Day 2	Turbidity	W		well 1
Day 2	TOTAL Coliform/E.Coli	W		well 3
Day 2	Turbidity	W		well 3

Project Name:  
Forest Grove RV Park

Project Number:  
PO Number:

Collection Date:  
29 MAY 24

Rush (Specify TAT and Samples):\*\*

MoldScan (Direct Exam)	Big 2 (Pen/Asp & Stachybotrys)	ERM1	SIM - Survey of Indoor Molds	SIAM - Species Id of Airborne Molds	Legionella (ISO or CDC ELITE)	Viascan Fungal Genus ID	Viascan Fungal Species ID*	Viascan Bacterial Colony Count	Viascan Bacterial Species ID*	Basic Home Loan Panel	Coliform/E. coli Test (+/-)	Lead Water Test	Other***	Other***
													✓	✓
														✓
														✓
														✓

\*Culture and PCR done at Assured Bio Labs, sequencing subcontracted. \*\*Copy pricing catalogue or call lab for rush availability and pricing. \*\*\*Please specify other analysis. Some analyses may be subcontracted, contact Assured Bio for more information.

Page \_\_\_ of \_\_\_ Relinquished By: *[Signature]* Date: 5/29/24 Time: 9:25

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