

# Water Analysis Report

**REVIEWED**

By \_\_\_\_\_ at 3:45 pm, Jul 17, 2023

Tennessee Division of Water Resources Lab ID: 03147

<b>Inspector:</b>	Steve Cudd	<b>Date Collected:</b>	7/13/2023
<b>Project Name:</b>		<b>Date Received:</b>	7/14/2023
<b>Project Number:</b>		<b>Date Reported:</b>	7/17/2023
<b>Assured Bio ID:</b>	SC071423-5	<b>Analyst(s):</b>	

**Sample ID:**  
**Sample Description:** well water test

**Sample Condition:** Intact  
**Sample Type:** Water

Analysis	Result	Unit
Coliforms	Present	P/A
E. coli	BDL	P/A
Lead	0.005	PPM
Nitrate (as N)	0.959	PPM
Nitrite (as N)	BDL	PPM
pH	7.64	N/A

## Reference Table

Contaminants	Maximum Contaminant Levels	Range of Detection
Coliforms/ <i>E. coli</i>	0 CFU/L (Primary)	10 CFU/L–No Upper Limit
Lead	0 ppm (Action Level 0.015 ppm) (Primary)	0.003–0.300 ppm
Nitrate (as Nitrogen)	10 ppm (Primary)	0.23–13.50 ppm
Nitrite (as Nitrogen)	1 ppm (Primary)	0.015–0.600 ppm
pH	6.5 - 8.5 (Secondary)	1.0–14.0

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
ppm	Parts Per Million (mg/L)
N	Nitrogen
N/A	Not Applicable
P/A	Presence/Absence

**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

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.

### 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.