

# Assured Bio Labs, LLC

## Water Analysis Report

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<b>Inspector:</b>	AssuredBio Labs	<b>Date Collected:</b>	2/10/2020
<b>Project Name:</b>	FHA/VA Water Test	<b>Date Received:</b>	2/10/2020
<b>Project Number:</b>	1	<b>Date Reported:</b>	2/11/2020
<b>Assured Bio ID:</b>	AB021020-1	<b>Analyst(s):</b>	J. Wilder

<b>Assured Bio Identifier:</b>	AB021020-1-1	<b>Sample Condition:</b>	Intact
<b>Sample ID:</b>	1	<b>Sample Type:</b>	Water
<b>Sample Description:</b>	Well Water		

### Test Results:

<b>Alkalinity</b>	196 ppm
<b>Aluminum</b>	BDL
<b>Ammonia*</b>	BDL
<b>Arsenic</b>	BDL
<b>Barium</b>	4 ppm
<b>Boron</b>	BDL
<b>Bromine</b>	BDL
<b>Cadmium</b>	BDL
<b>Chloride</b>	3.5 ppm
<b>Chlorine, Free*</b>	0.098 ppm
<b>Chlorine, Total*</b>	0.121 ppm
<b>Chromium, Hexavalent*</b>	0.015 ppm
<b>Coliforms*</b>	Present
<b>E. coli*</b>	Present
<b>Copper</b>	0.160 ppm

<b>Fluoride*</b>	0.130 ppm
<b>Hardness</b>	256.5 ppm
<b>Iron*</b>	0.14 ppm
<b>Lead*</b>	0.003 ppm
<b>Manganese*</b>	0.052 ppm
<b>Monochloramine</b>	0.2 ppm
<b>Nickel</b>	0.203 ppm
<b>Nitrate (as Nitrogen)*</b>	1.81 ppm
<b>Nitrite (as Nitrogen)*</b>	BDL
<b>pH*</b>	7.19
<b>Phosphorus (Ortho)*</b>	0.09 ppm
<b>Sulfate*</b>	BDL
<b>Sulfide*</b>	0.009 ppm
<b>Total Suspended Solids</b>	BDL
<b>Turbidity</b>	35 JTU
<b>Zinc*</b>	0.04 ppm

### Comments:

\*EPA Approved Method Used

See Reference Table on Page 2

## Reference Table

Contaminants	Maximum Contaminant Levels	Range of Detection
Aluminum	0.2 ppm	0.02 - 0.5 ppm
Ammonia	No Published Standard	0.015 - 2.0 ppm
Arsenic	0.01 ppm	0.002 - 0.3 ppm
Barium	2.0 ppm	2.0 - 10,000 ppm
Boron	2.4 ppm	0.05 - 2.5 ppm
Bromine	No Published Standard	0.05 - 4.50 ppm
Cadmium	0.005 ppm	0.005 - 0.3 ppm
Chloride	250 ppm	0.1 - 25.0 ppm
Chlorine, Free	4.0 ppm	0.05 - 2.0 ppm
Chlorine, Total	No Published Standard	0.05 - 2.0 ppm
Chromium, Hexavalent	0.1 ppm (Total)	0.01 - 0.7 ppm
Coliforms:	0 CFU/L	10 CFU/L - No Upper Limit
<i>E. coli</i>	0 CFU/L	10 CFU/L - No Upper Limit
Copper	1.3 ppm (Primary) 1.0 ppm (Secondary)	0.1 - 8.0 ppm
Fluoride	4.0 ppm (Primary) 2.0 ppm (Secondary)	0.1 - 2.5 ppm
Hardness	No Published Standard	17.1 ppm - No Upper Limit
Iron	0.3 ppm	0.02 - 3.0 ppm
Lead	0 ppm (Action Level 0.015 ppm)	0.003 - 0.3 ppm
Manganese	0.05 ppm	0.006 - 0.700 ppm
Monochloramine	4.0 ppm	0.1 - 10.0 ppm
Nickel	0.1 ppm	0.1 - 6.0 ppm
Nitrate (as Nitrogen)	10 ppm	0.23 - 13.50 ppm
Nitrite (as Nitrogen)	1 ppm	0.015 - 1.2 ppm
pH	6.5 - 8.5	0 - 14
Phosphorus (Ortho)	No Published Standard	0.06 - 5.0 ppm
Sulfate	250 ppm	150 - 900 ppm
Sulfide	No Published Standard	0.005 - 0.8 ppm
Total Suspended Solids	No Published Standard	5 - 750 ppm
Alkalinity	No Published Standard	25 - 400 ppm
Turbidity	No Published Standard	5 - 200 JTU
Zinc	5 ppm	0.01 - 5.0 ppm

This chart serves as a reference to the maximum of containment levels set forth by the EPA or WHO. 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
JTU	Jackson Turbidity Units
N/A	Not Applicable
ppm	Parts Per Million (mg/L)

Coliform/ <i>E. coli</i> Analysis Information:	
Incubation Temperature:	35 °C
Media:	Colilert
Incubation Time:	24 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: Water Tests

### **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. 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.

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