

# Assured Bio Labs, LLC

## Water Analysis Report



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Inspector:	AssuredBio Labs	Date Collected:	2/10/2020
Project Name:	FHA/VA Water Test	Date Received:	2/10/2020
Project Number:	1	Date Reported:	2/11/2020
Assured Bio ID:	AB021020-1	Analyst(s):	J. Wilder
Assured Bio Identifier:	AB021020-1-1	Sample Condition:	Intact
Sample ID:	1	Sample Type:	Water
Sample Description:	Well Water		
<b>Test Results:</b>			
Alkalinity	196 ppm	Fluoride*	0.130 ppm
Aluminum	BDL	Hardness	256.5 ppm
Ammonia*	BDL	Iron*	0.14 ppm
Arsenic	BDL	Lead*	0.003 ppm
Barium	4 ppm	Manganese*	0.052 ppm
Boron	BDL	Monochloramine	0.2 ppm
Bromine	BDL	Nickel	0.203 ppm
Cadmium	BDL	Nitrate (as Nitrogen)*	1.81 ppm
Chloride	3.5 ppm	Nitrite (as Nitrogen)*	BDL
Chlorine, Free*	0.098 ppm	pH*	7.19
Chlorine, Total*	0.121 ppm	Phosphorus (Ortho)*	0.09 ppm
Chromium, Hexavalent*	0.015 ppm	Sulfate*	BDL
Coliforms*	Present	Sulfide*	0.009 ppm
E. coli*	Present	Total Suspended Solids	BDL
Copper	0.160 ppm	Turbidity	35 JTU
Zinc*		Zinc*	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/*E. coli* Analysis Information:**

<b>Incubation Temperature:</b>	35 °C
<b>Media:</b>	Colilert
<b>Incubation Time:</b>	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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