THE UNIVERSITY OF IOWA | **STATE HYGIENIC LABORATORY**

ANALYTICAL REPORT **1-800-421-IOWA (4692)**

Collection Location	Collector and Phone	Client Reference	Accession #
kitchen sink 1441 BAKER AVE WEST BRANCH, IA	563/886-2248 Collected 2025-10-14 10:02	house Received 2025-10-15 10:25	2741149 Project

Report To
CEDAR CO ENVIRONMENTAL AND ZONING
COURTHOUSE
400 CEDAR ST
TIPTON, IA 52772

Sample Description: water
Sample Type: Drinking Water
Sample Source:
Sample Note(s): 1

ADDITIONAL SAMPLE INFORMATION

Owner: starnes curtis

Well Number: 2182136

RESULTS OF ANALYSIS - FINAL REPORT

TEST	RESULT ([MPN]/100mL)	ANALYSIS NOTE(S)
Total Coliform and E.coli Bacteria, SM 9223 B		*2*
Total Coliform Bacteria	**<1**	
E.coli	**<1**	

TEST	RESULT (mg/L)	ANALYSIS NOTE(S)
Nitrate + Nitrite as N, EPA 353.2		*3*
Nitrate + Nitrite nitrogen as N	**0.99**	

SAMPLE AND ANALYSIS NOTES

1. Unless otherwise noted, the sample met container and preservation requirements for the analysis requested. Please review carefully your sample results for additional analyte comments or method exceptions.

2. If the total coliform bacteria and E.coli test results are "Absent" or "<1", these results are satisfactory and the water is bacterially safe for drinking purposes. If the total coliform bacteria test is "Present" or number is greater than or equal to 1 (e.g. 1, 20.7, 50.4, >200.5, etc), this result is UNSATISFACTORY and indicates the water is bacterially UNSAFE and should NOT be used for drinking unless properly disinfected before use (e.g. boiling for one minute). In addition, if the E.coli bacteria test result is also "Present" or number is greater than or equal to 1, this result indicates the water may be contaminated by human or animal sewage. E.coli presence indicates that the water may be contaminated with microorganisms that CAN cause disease and thus, represents a serious health concern. Contact your local county health department or SHL's web site (https://shl.uiowa.edu/environmental-testing/private-well-water) for information and guidance to help correct your water quality problem.

3. Interpretation: Nitrate+nitrite as N result less than or equal to10 mg/L: does not exceed infant health advisory. Nitrate+nitrite as N result greater than10 mg/L: EXCEEDS infant health advisory and this water should not be used to prepare formula or used for drinking by infants less than six months of age. Contact your local county health department or SHL's web site (https://shl.uiowa.edu/environmental-testing/private-well-water) for guidance.

   Private well samples are not accredited to the TNI standard.

ANALYSIS INFORMATION

TEST	ANALYZED	SITE	RELEASED	ANALYSIS PREP
1. Total Coliform and E.coli Bacteria, SM 9223 B	2025-10-15 14:40 DMA, ATM	3200	2025-10-17 09:46 CLL	
2. Nitrate + Nitrite as N, EPA 353.2	2025-10-15 15:51 DJO	3200	2025-10-17 11:03 BAB	

Report Issue Date: 2025-10-17 11:03

THE UNIVERSITY OF IOWA | **STATE HYGIENIC LABORATORY**

ANALYTICAL REPORT **1-800-421-IOWA (4692)**

Collection Location	Collector and Phone	Client Reference	Accession #
kitchen sink 1441 BAKER AVE WEST BRANCH, IA	563/886-2248	shop	2741146
	Collected 2025-10-14 10:13	Received 2025-10-15 10:25	Project
Report To CEDAR CO ENVIRONMENTAL AND ZONING COURTHOUSE 400 CEDAR ST TIPTON, IA 52772			Sample Description water
			Sample Type Drinking Water
			Sample Source
			Sample Note(s) 1

ADDITIONAL SAMPLE INFORMATION

Owner: starnes curtis

Well Number: 2145105

RESULTS OF ANALYSIS - FINAL REPORT

TEST	RESULT ([MPN]/100mL)	ANALYSIS NOTE(S)
Total Coliform and E.coli Bacteria, SM 9223 B		*2*
Total Coliform Bacteria	**<1**	
E.coli	**<1**	

TEST	RESULT (mg/L)	ANALYSIS NOTE(S)
Nitrate + Nitrite as N, EPA 353.2		*3*
Nitrate + Nitrite nitrogen as N	**0.57**	

SAMPLE AND ANALYSIS NOTES

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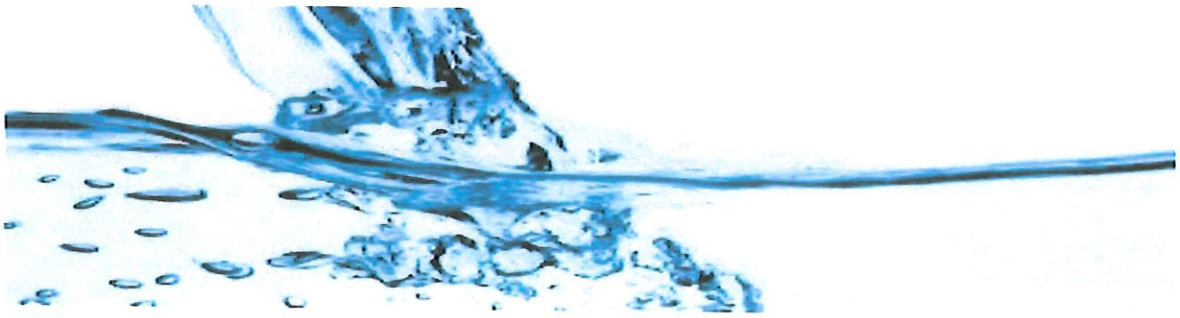
3. Interpretation: Nitrate+nitrite as N result less than or equal to10 mg/L: does not exceed infant health advisory. Nitrate+nitrite as N result greater than10 mg/L: EXCEEDS infant health advisory and this water should not be used to prepare formula or used for drinking by infants less than six months of age. Contact your local county health department or SHL's web site (https://shl.uiowa.edu/environmental-testing/private-well-water) for guidance.

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ANALYSIS INFORMATION

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Report Issue Date: 2025-10-17 11:03



TO BETTER UNDERSTAND THE RESULTS OF YOUR WATER SAMPLE, YOU SHOULD KNOW THE FOLLOWING:

COLIFORM BACTERIA:
Coliforms themselves do not generally cause illness. However, since coliforms and disease-causing bacteria often originate from the same sources, the presence of coliforms in drinking water warns that disease-causing contaminants may also be present....and that the risk of contracting a water-borne illness is increased.

If your reading is absent, your water is bacterially safe to drink. Any reading, other than safe, indicates your water is bacterially unsafe to drink. To assist you with understanding or interpreting a water sample test result which is positive for coliform bacteria, fecal coliform bacteria or E.coli bacteria, please review the attached Environmental Health Fact Sheet. The presence of coliform bacteria may be naturally occurring in the aquifer (soil bacteria). However, the presence of these bacteria, fecal coliforms and E.coli may indicate a sample collection issue, a contaminate in the water system, a physical/ structural issue with the water well or a contaminated aquifer. Depending on the conditions, additional testing may be advised. Also, a recommendation to consult a certified water well contractor may be made prior to additional water testing.

NITRATE:
When consumed (in food, water or formula) by infants (generally those less than 6 months of age), nitrate can lead to a serious blood disorder known as infant methemoglobinemia or "blue baby" syndrome.

If your reading is 10 parts per million/milligrams per liter or less, your water is safe.

If the nitrate in your water exceeds 10 parts per million, it is unsafe for infants, and may be unsafe for pregnant women to drink. Infants and pregnant women should not drink the water and should not eat food or drink beverages prepared with this water. Other people should not drink the water for extended periods of time if it contains more than 20 parts per million. The presence of nitrate in your water supply usually represents a contaminant, naturally or artificially occurring, in the aquifer itself and not a physical or structural problem with the water well.

If you have any other questions regarding the results of your water sample, please feel free to contact the Cedar County Environmental Health Office.

CEDAR COUNTY ENVIRONMENTAL HEALTH
400 Cedar Street, Tipton, Iowa 52772 – Phone: (563) 886-2248