

Test Results: Herndon Natural Spring (West Virginia)

-Herndon Natural Spring water was COLLECTED on August 22, 2021.

-Herndon Natural Spring water was TESTED on August 28th, 2021 using the Varify Complete Water Test Kit.

-THIS DOCUMENT is being created and uploaded on September 9th, 2021.

This document includes the following three (3) sections:

Section 1: Testing parameters showing EPA recommended levels for safe drinking water. There is one visual chart in this section. Feel free to reference this chart when reviewing the Bacteria Test results from Section 2 and the 16-in-1 test results from Section 3.

Section 2: Bacteria Test Results. There are two photos of the Bacteria Test in this section. You will see that one photo was done in dark against a light, and one was taken during daylight. This Bacteria Test undoubtedly turned yellow, which indicates that no harmful bacteria were detected in the spring water sample.

Section 3: Test Results for 16-in-1 portion. This testing includes pH, Hardness, Hydrogen Sulfide, Iron, Copper, Lead, Manganese, Total Chlorine, Free Chlorine, Nitrate, Nitrite, Sulfate, Zinc, Fluoride, Sodium Chloride, Total Alkalinity. There are three photos in this section. All three photos are separate tests that were done on the same sample of spring water to test for consistency of results. Feel free to review all three tests, which appear to fall within EPA standards for safe drinking water, with the exception of Sulfate, which based on the test reading may fall slightly above EPA standards. The Varify Complete Water Test Kit was used to conduct this testing. For more detailed testing, lab testing is recommended.

Summary Notes:

It had rained a fair amount in the area the previous 1-2 days before our testing. On the scene the day of water collection 8/22/21 the spring water appeared clear when collected, did not give off a smell, and it tasted pleasant. While we did taste the water, we did not ingest the water until after testing. We filled a 5-gallon container. After the water sat in a container for 6 days before testing, we opened the container to examine any changes. The water still appeared clear, did not give off any smell, and tasted pleasant. It was at this time that we completed testing. Please see results below.

Harvesting and drinking natural spring water feels like a very personal decision based on comfort and confidence in testing. Please review the test results below and decide for yourself whether these are results you feel comfortable and confident with.

Personal disclosure: My partner and I have been drinking this water in small amounts (approximately 1-2 measuring cups per day) for the past 14 days and we have no negative effects to report at this time. Also, please keep in mind that our testing is from a water sample collected on August 22, 2021. It is possible that new contaminants may have been introduced to the water since this testing was completed.

Lastly, we spent around \$26 for the Varify Complete Water Test Kit. More expensive lab testing would certainly provide more detailed results.

Section 1:

COMPLETE WATER TEST KIT

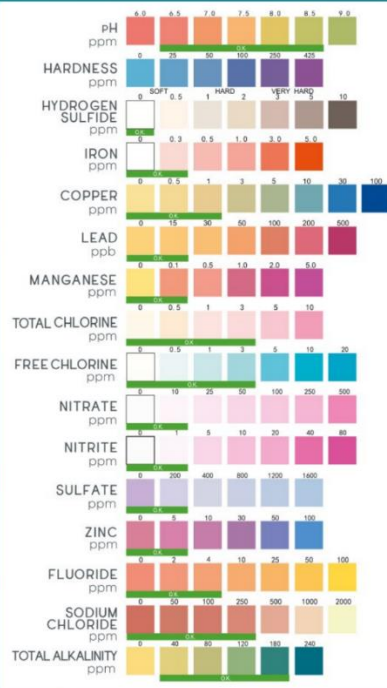
16-in-1 Test Strip

DIRECTIONS

- Dip a strip into water** for 2 seconds and then remove the strip. 
- Gently shake off excess water** from the test strip. 
- Compare pads to the color chart** over the next 60 seconds to assure accurate results. (For best results read in natural daylight) 

IMPORTANT

- Store in a cool dry place.
- Avoid touching or polluting test areas of strip.
- Keep wet fingers out of the bottle.
- Keep cap on tight between uses.
- Do not remove desiccant pouch.




Bacteria Test


TEST PROCEDURE

- 1 Wash hands thoroughly with soap and water and then adjust the water flow to a slow stream.
- 2 Without touching the inside of the cap, remove it carefully and fill the bottle to the shoulder.
- 3 Shake the bottle forcefully for 20 seconds to dissolve the powder.
- 4 Place the sealed bottle in a room with a temperature range between 68°F - 90° F. Leave the bottle undisturbed and away from direct sunlight.

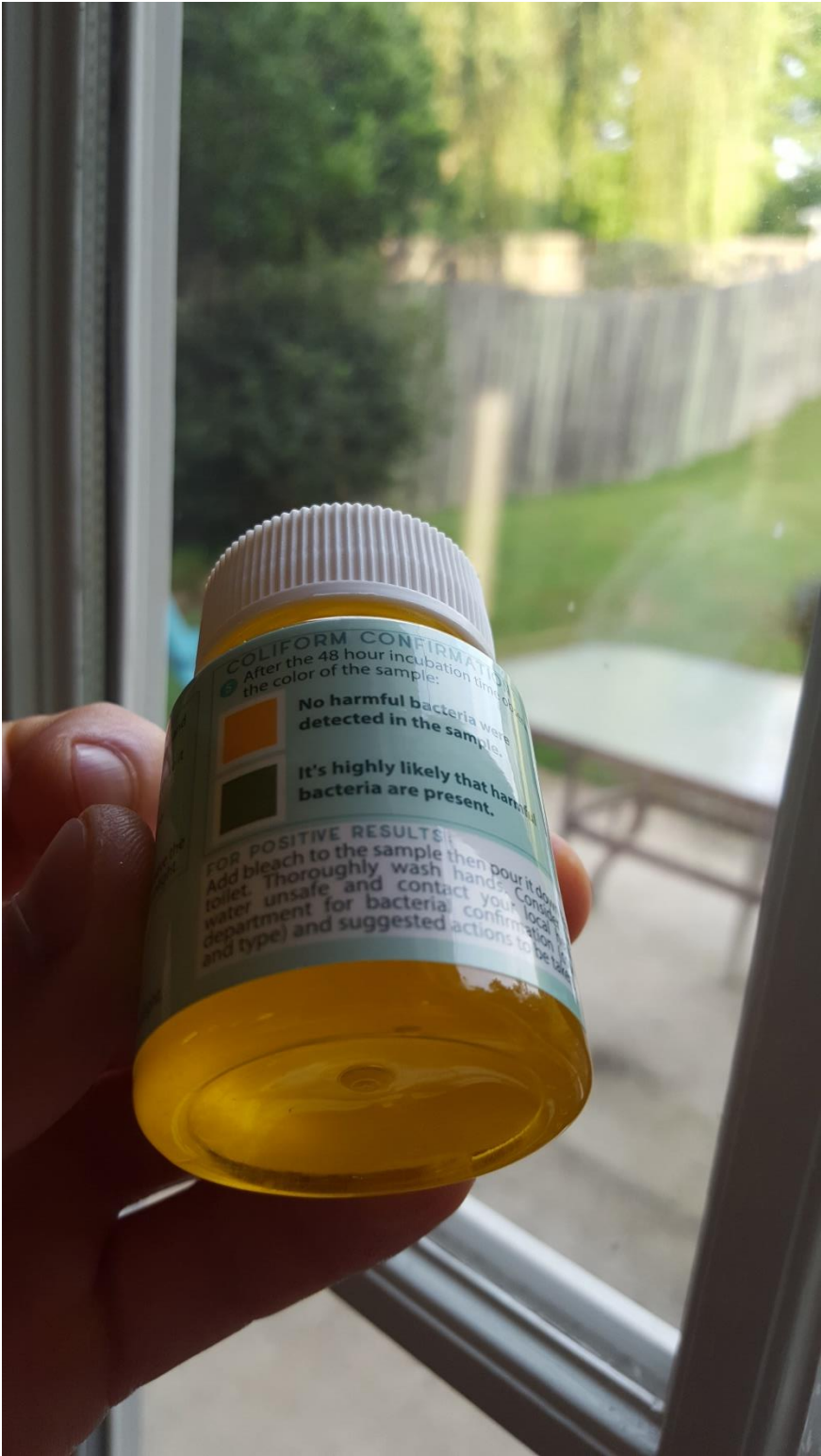
COLIFORM CONFIRMATION

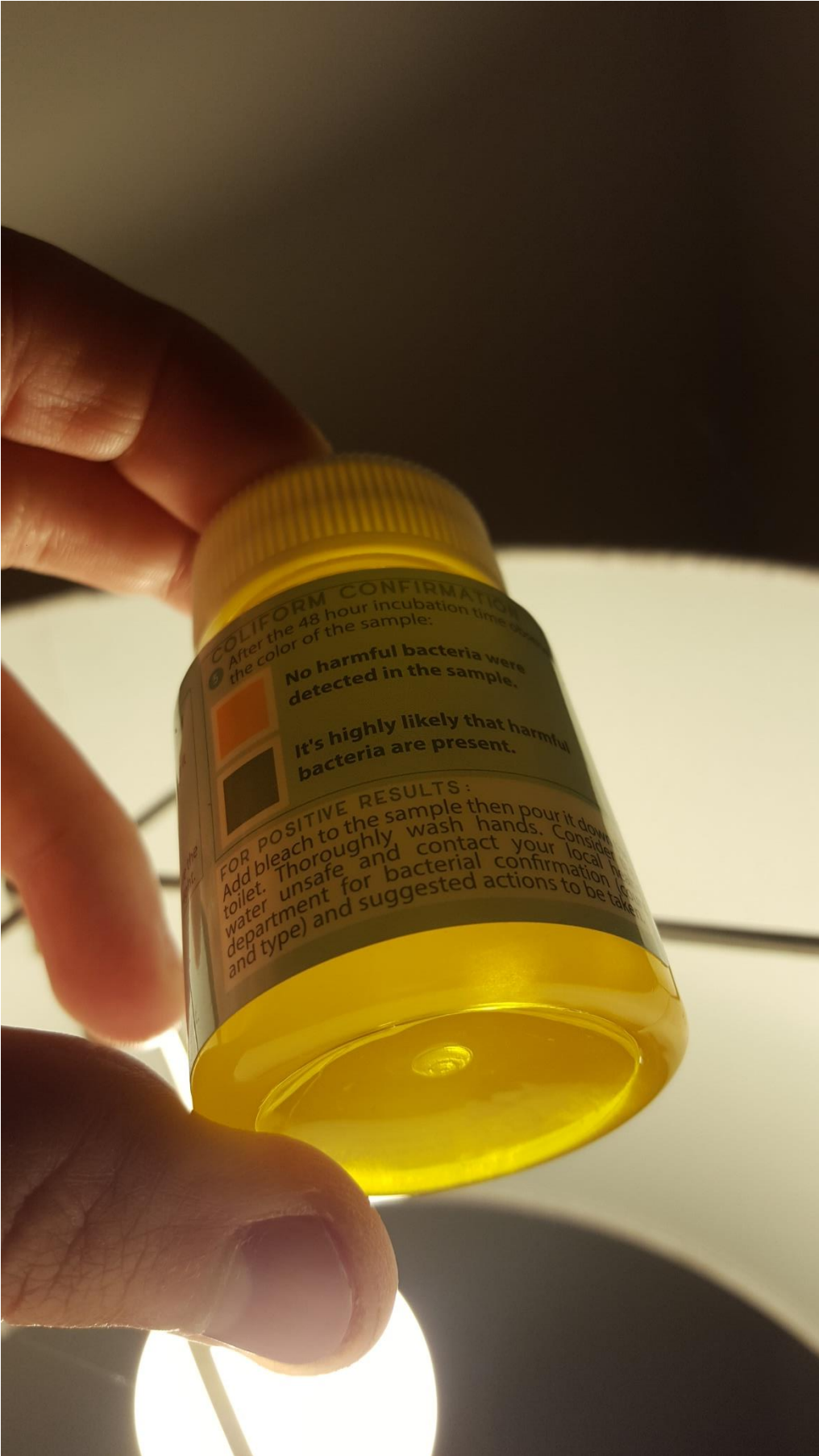
- 5 After the 48 hour incubation time observe the color of the sample.

 No harmful bacteria were detected in the sample.

 It's highly likely that harmful bacteria are present.

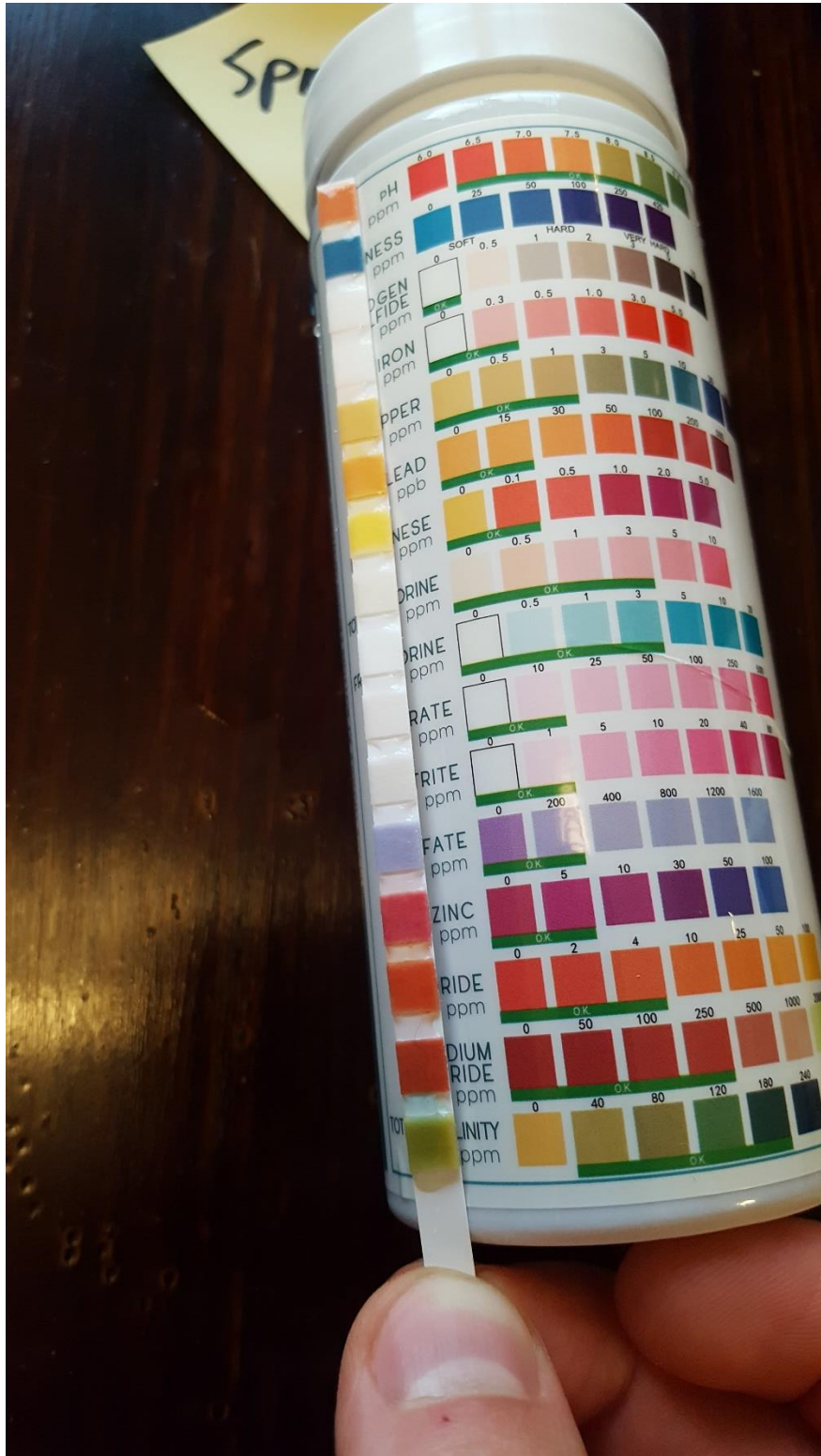
Section 2:





Section 3:





SPR

Parameter	Unit	Color Chart
pH	ppm	6.0, 6.5, 7.0, 7.5, 8.0
HARDNESS	ppm	0, 25, 50, 100, 200, 300
CHLORIDE	ppm	0, 0.3, 0.5, 1.0, 3.0, 6.0
IRON	ppm	0, 0.5, 1, 3, 5, 10
COPPER	ppm	0, 0.15, 0.3, 0.5, 1, 2, 3, 5, 10
LEAD	ppb	0, 0.1, 0.5, 1.0, 2.0, 5.0
NITRATE	ppm	0, 0.5, 1, 3, 5, 10
AMMONIA	ppm	0, 0.5, 1, 3, 5, 10
CHLORINE	ppm	0, 0.5, 1, 3, 5, 10
FLUORIDE	ppm	0, 10, 25, 50, 100, 200
NITRITE	ppm	0, 0.5, 1, 5, 10, 20, 40, 80
NITRATE	ppm	0, 200, 400, 800, 1200, 1600
ZINC	ppm	0, 5, 10, 30, 50, 100
CHLORIDE	ppm	0, 2, 4, 10, 25, 50, 100
SODIUM	ppm	0, 50, 100, 250, 500, 1000, 2000
CHLORIDE	ppm	0, 40, 80, 120, 180, 240
TURBIDITY	ppm	0, 40, 80, 120, 180, 240

Spring

