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BLI FILE # \_\_\_\_\_

**ODH Microbiological Sample Report  
 for Private Water Systems**

*Please fill in General Information and Sample Information completely  
 If this information is NOT COMPLETED, the sample will NOT be accepted for analysis.*

**SAMPLING INSTRUCTIONS AND LABORATORY HOURS ON BACK --- PLEASE READ!!!**

**GENERAL INFORMATION:**  
 Private Water Supply or  
 Resident's Name: \_\_\_\_\_  
 Address: \_\_\_\_\_  
 City/State/Zip: \_\_\_\_\_  
 Phone: \_\_\_\_\_

**LABORATORY INFORMATION:**  
 Reporting Lab Name: \_\_\_\_\_ Brookside Laboratories, Inc.  
 Reporting Lab Certification #: \_\_\_\_\_ 840  
 Analytical Lab Name: \_\_\_\_\_ Brookside Laboratories, Inc.  
 Analytical Lab Certification #: \_\_\_\_\_ 840  
 Sample Number: \_\_\_\_\_

**SAMPLE INFORMATION:**  
 Sample Collection Date: \_\_\_\_\_ Time: \_\_\_\_\_  
 Sample Collected By: \_\_\_\_\_  
 Collector's Phone #: \_\_\_\_\_  
 County Water Supply is Located: \_\_\_\_\_  
 Sample Tap Location: \_\_\_\_\_  
 Bottle Number: \_\_\_\_\_

**ANALYTICAL INFORMATION:**  
 Method Used:  MMO-MUG  Quanti-Tray/Colisure  
 Analyst Name/Number: \_\_\_\_\_  

	Start	End
Analysis Date: _____	_____	_____
Analysis Time: _____	_____	_____

lab use only

Sample Type:  New Construction  Replacement  Alteration  Other:  
 Softener:  Yes  No If yes - bypassed?  Yes  No  
 Repeat Sample Following a Positive Repeat for Sample Number \_\_\_\_\_  
 Private Water Well - No Continuous disinfection or a Disinfectant Residual - Quanti-Tray/Colisure  
 Hauled Water Tank  Cistern  Spring  Pond  Well with Continuous Disinfection

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Agency to Receive Results:  
 Name: \_\_\_\_\_  
 Address: \_\_\_\_\_ Phone Number: \_\_\_\_\_  
 City, State, Zip: \_\_\_\_\_ Fax Number: \_\_\_\_\_

**For Office Use Only:**  
 Date Received: \_\_\_\_\_ Time Received: \_\_\_\_\_ Received By: \_\_\_\_\_

**Laboratory Results:**  
 Total Coliform Results  Positive  Negative  
 MPN Value: \_\_\_\_\_  
 E Coli Results  Positive  Negative  
 MPN Value: \_\_\_\_\_

**OTHER RESULTS:**  
 Sample Not Analyzed  Insufficient Sample  
 Sample Too Old  Incomplete Information  
 Leaked in Transit  Lab Accident  
 Broken in Transit  Residual Chlorine

\*\* Four or less total coliform MPN per 100 ml of water and no detection of E. coli MPN per 100 ml of water is acceptable. \*\*

lab use only

**SAMPLING INSTRUCTIONS AND LABORATORY HOURS ON BACK --- PLEASE READ!!**

**COLLECTION PROCEDURE FOR THE COLLECTION OF WATER  
SAMPLES FOR BACTERIOLOGICAL EXAMINATION**

**1. SELECT THE SAMPLING TAP**

- a. A tap, such as a faucet, petcock, or small valve is preferable. Do not sample from hoses or drinking water fountains.
- b. Avoid taps with a leak at the stem or taps with a swivel joint.
- c. Aerated or screened nozzles may harbor bacteria. The aerator or screen must be removed before collection of the sample.
- d. Place all carbon filters, sediment filters, and water softeners on bypass unless operated by a public water system.

**2. SANITIZE THE NOZZLE OF THE TAP WITH A CHLORINE SOLUTION**

- a. Use a 5.25% Sodium hypochlorite solution, such as Chlorox™ liquid bleach. Do not use chlorine solutions with special scents. To prepare a sanitizing solution that will contain about 400 mg/L of available chlorine (as hypochlorite) from the 5.25% liquid bleach, add one ounce of bleach to one gallon of water (or 1 tablespoon per half gallon). Store the mixture in a tightly closed screw-capped container. The solution should be discarded and remade six months after preparation. You can use a stronger solution, but some faucet discoloration may result.

**3. FLUSH SAMPLE TAP FOR ONE MINUTE**

Close the valve.

**4. APPLY THE SANITIZING SOLUTION, prepared above, to the nozzle by using either a spray bottle or a plastic bag.**

- a. If you use a spray bottle, saturate the tap opening with the bleach solution then wait at least two minutes before proceeding.

OR

- b. Place the bag containing the bleach solution over the nozzle and hold the top of the bag tightly over the tap. Alternately squeeze and release the bag to flush the solution in and out of the tap. Do this for two minutes. A fresh solution and bag must be used to sanitize each tap sampled.

**5. FLUSH OUT THE PIPING BETWEEN THE TAP AND WATER MAIN**

The sample to be collected is intended to be representative of the water in the main. The tap should be opened fully and the water run to waste for 3-5 minutes to allow for adequate flushing of the piping between the tap and water main.

**6. REDUCE THE FLOW FROM THE TAP**

This will allow the sample bottle to be filled without splashing.

**7. REMOVE THE CAP FROM THE SAMPLE BOTTLE PLEASE NOTE: The cap on disposable bottles is attached.**

- a. Remove the cap and hold the exterior of the cap between fingers while filling the sample bottle. Take care not to touch the mouth of the bottle or the inside of the cap with fingers or the sample could become contaminated.
- b. The bottle should be open only during the collection of the sample.

**8. FILLING THE SAMPLE BOTTLES**

- a. Do not rinse out the bottle before collecting the sample. Do not remove any "pills" from the disposable sample bottles. The bottle contains a small amount of sodium thiosulfate to neutralize the chlorine in the water.
- b. Do not touch the rim or mouth of the bottle during collection of the sample.
- c. Do not overflow. Fill the bottle to within 1/2 inch of the brim.

**9. IMMEDIATELY RECAP THE SAMPLE BOTTLE**

If there is any question as to whether a sample or bottle has become contaminated during collection of the sample, the sample should be discarded and a new sample collected in a new sample bottle. On disposable bottles, press cap from hinge side until it securely snaps shut. Put tie through round hole on lid and pull through.

**10. FILL OUT THE DATA SHEET**

A data sheet is supplied with each sample bottle. This sheet is to be filled out in a legible manner using either a soft lead pencil, typewriter, or pen. Do not use a pen having water soluble ink. THE SAMPLE CANNOT BE RUN WITHOUT A COMPLETELY FILLED OUT SHEET.

**11. SAMPLES MUST REACH THE LABORATORY WITHIN TWENTY-FOUR HOURS OF THE TIME OF COLLECTION**

The time elapsing between collection of the sample and bacteriological examination should in no case exceed twenty-four hours. If the time exceeds twenty-four hours, the laboratory will refuse to examine the sample.

**12. SAMPLES MUST BE PROPERLY IDENTIFIED**

Samples that have not been properly identified as to name of entity, address, county, date and time of collection, and name of collector will not be accepted for bacteriological examination.

**THE LABORATORY ACCEPTS SAMPLES FOR TOTAL COLIFORM ANALYSIS MONDAY THRU WEDNESDAY  
BETWEEN 8:00 A.M. AND 2:30 P.M. AND THURSDAY FROM 8:00 A.M. UNTIL 12:00 P.M. (NOON)**

**The lab will not accept samples one day prior to and including the following holidays: Christmas, New Years Day, Thanksgiving, Labor Day, Memorial Day, Good Friday, Independence Day. (If you are not certain if the lab is accepting samples, please call - 419-753-2448.)**

<p><b>TOTAL COLIFORM POSITIVE:</b></p> <p><b>TOTAL COLIFORM NEGATIVE:</b></p> <p><b>(CG) CONFLUENT GROWTH:</b></p> <p><b>(HBC) HIGH BACKGROUND COUNT:</b></p> <p><b>TOTAL COLIFORM NEGATIVE/ HBC - INVALID &amp; TOTAL COLIFORM NEGATIVE/ CONFLUENT GROWTH INVALID</b></p>	<p>Total Coliforms were detected in the sample.</p> <p>Total Coliforms were not detected in the sample.</p> <p>Sample was overgrown with organisms.</p> <p>Sample contained a large number of bacteria (greater than 200 per 100 ml).</p>
<p style="font-size: 2em;">}</p>	<p>A finding of these designations is considered to be invalid (inconclusive). Please review your sampling procedures. Make sure you have sanitized the tap correctly. See Procedures #2, #3, #4, and #5 above.</p>