



U.S. Micro-Solutions, Inc. * 302 Unity Plaza * Latrobe, PA 15650
 Phone: (724) 853-4047 Fax: (724) 853-4049 AIHA-LAP, LLC EMLAP #103009
www.usmslab.com



Customer Name: U.S. Micro Solutions, Inc. Sample Date: May 1, 2017
 Customer Address: 302 Unity Plaza Date Received: May 2, 2017
 Latrobe, PA 15650 Date of Amended Report: May 3, 2017
 Customer Phone: (724) 853-4047 Fax:
 PO Number: Attention:
 Project Name/Number: Residence

Customer sample numbers below are uniquely identified by prefixing Laboratory # 12345-17

Waters Sample(s) for total coliform testing using the Colilert® system - Analytical Method USMS-B018

Sample Number	Media	Sample Description	Results of Microbial Analysis
050117	Colilert	Well Water	
Analytical Sensitivity:	1 CFU/100mL		Positive for Total Coliforms Negative for <i>Escherichia coli</i>

Sample Report

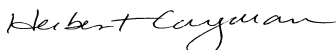
The Colilert® system is an EPA-approved method for testing drinking water and determines the presence/absence of coliform bacteria. Coliform bacteria, including *Escherichia coli*, are part of the gastro-intestinal flora of humans and animals and are considered indicator organisms of fecal contamination. Colilert simultaneously detects total coliforms and *Escherichia coli*. Results are completed within 24 hours and are reported as positive or negative for total coliforms and/or *Escherichia coli*.

In the United States, the maximum number of indicator organisms permitted per 100 ml of drinking water is zero. Indicator microorganisms (*Escherichia coli*) should not be present in finished waters; their presence suggests that one of the barriers may not be functioning properly (e.g., distribution network).

Reference: Manual of Environmental Microbiology: 4th Edition. (2016). Tasha Santiago-Rodriguez et al. Chapter 3.1.1: Current and Developing Methods for the Detection of Microbial Indicators in Environmental Freshwaters and Drinking Waters.

Results relate only to the samples tested. Results are reported as calculated. For biological data, the first and/or second digit should be considered significant.

When providing duplicates of this report, the document should be provided in total and not in section in accordance with AIHA-LAP, LLC. Any unauthorized or improper disclosure, copying, distribution, use, or falsification of these results is prohibited. USMS shall have no liability to the Customer or the Customer's customer for opinions stated, recommendations made, actions taken, or conduct implemented based on the test results reported.

Technical Manager: 
 Herbert Layman, BS, SM, CIEC

End of Report