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Customer Name:	U.S. Micro Solutions, Inc.	Sample Date:	May 1, 2017
Customer Address:	1075 South Main Street, Suite 104 Greensburg, PA 15601	Date Received:	May 2, 2017
Customer Phone:	(724) 853-4047	Date of Amended Report:	May 3, 2017
PO Number:		Fax:	
Project Name/Number:	Residence	Attention:	

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		<b>Positive for Total Coliforms</b> 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.

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Technical Manager: Herbert Layman  
 Herbert Layman, BS, SM, CIEC

\*End of Report\*