

## Agricultural Water Testing Labs

The companies listed below were identified as following “scientifically valid” testing methods for agricultural water analysis. This list is not intended to endorse any specific business or testing method and additional companies may exist within the Commonwealth.

When you call a water testing lab, be sure to tell them you need to test your ground water or surface water for *E. coli*. **You need results to be given in CFU or MPN (not presence/absence).** The approved methods are listed below.

Company	City/State	Phone #
Air Water & Soil Lab	Richmond, VA	804-358-8295
Analytics Corp.	Ashland, VA	804-365-3000
Clear Creek Water Works	Christiansburg, VA	540-381-0768
Coastal Bioanalysts	Gloucester, VA	804-694-8285
E M S	Wytheville, VA	276-228-6464
EnviroCompliance Lab	Ashland, VA	804-550-3971
EnviroCompliance Lab	Verona, VA	804-550-3971
Environmental Monitoring	Norton, VA	276-679-6544
Environmental Systems Service	Bedford, VA	540-586-5413
Environmental Systems Service	Culpeper, VA	540-825-6660
James R. Reed & Assoc.	Newport News, VA	757-873-4703
Jennings-Thompson Lab	Virginia Beach, VA	757-425-1498

Company	City/State	Phone #
Joiner Micro Lab	Warrenton, VA	540-347-7212
LJT Assoc.	Wallops Island, VA	757-824-1023
Microbac Lab	Richmond, VA	804-353-1999
Mid-Atlantic Lab	Port Royal, VA	540-775-7775
Newport News Waterworks Lab	Yorktown, VA	757-234-6723
Roanoke Rapids Sanitary District	Roanoke Rapids, NC	252-537-3319
Schneider Lab	Richmond, VA	804-353-6778
Universal Lab	Hampton, VA	757-865-0880
VDACS Harrisonburg Lab	Harrisonburg, VA	540-209-9130
VDACS Lynchburg Lab	Lynchburg, VA	434-200-9988
VDACS Wytheville Lab	Wytheville, VA	276-228-5501
Water Testing Labs of Maryland	Salisbury, MD	410-546-1318

FDA has determined that the following methods are “scientifically valid” and “at least equivalent to the method of analysis in § 112.151(a) in accuracy, precision, and sensitivity[1]:

1. **Method 1103.1** □ - *Escherichia coli* (*E. coli*) in Water by Membrane Filtration Using membrane-Thermotolerant *Escherichia coli* Agar (mTEC) (March 2010). U.S. Environmental Protection Agency. EPA-821-R-10-002.
2. **Method 1604** □ - Total Coliforms and *Escherichia coli* in Water by Membrane Filtration Using a Simultaneous Detection Technique (MI Medium) (September 2002). U.S. Environmental Protection Agency. EPA-821-R-02-024.
3. **9213 D** – Natural Bathing Beaches (2007). *In*: Standard Methods for the Examination of Water and Wastewater, 22nd Edition (Rice E.W., et al., Ed.), 9-46 – 9-48. Washington, DC: American Public Health Association. (2012).
4. **9222 B** – Standard Total Coliform Membrane Filter Procedure (1997), followed by 9222 G – MF Partition Procedures (1997) using NA-MUG media. *In*: Standard Methods for the Examination of Water and Wastewater, 21st Edition (Eaton A.D., et al., Ed.), 9-60 – 9-65, and 9-70 – 9-71, respectively. Washington, DC: American Public Health Association. (2005).
5. **D 5392-93** – Standard Test Method for Isolation and Enumeration of *Escherichia coli* in Water by the Two-Step Membrane Filter Procedure. *In*: Annual Book of ASTM Standards, Volume 11.02. ASTM International. (1996, 1999, 2000).
6. **Hach Method 10029 for Coliforms – Total and *E. coli*** □, using m-ColiBlue24® Broth PourRite Ampules.
7. **IDEXX Colilert® Test Kit** □, but only if using IDEXX Quanti-Tray/2000 for quantification.
8. **IDEXX Colilert-18® Test Kit** □, but only if using IDEXX Quanti-Tray/2000 for quantification.

\*\*\*This listing is current as of 10/14/2017. For additional information or to add another company to the list above, please contact us at 804.786.4003 or at [produce.safety@vdacs.virginia.gov](mailto:produce.safety@vdacs.virginia.gov)