Reporting MPN Results

To: All Certified Laboratories Reporting

Raw water monitoring is required as part of the Virginia Department of Health, Office of Drinking Water (ODW)'s continuing efforts in evaluating whether a groundwater source is directly under the influence of surface water (GUDI), and whether disinfection treatment alone is sufficient to protect public health. GUDI sources are defined by water beneath the surface of the ground with significant occurrence of insects, microorganisms, algae, or large-diameter pathogens such as *Giardia lamblia* or Cryptosporidium.

The required test method for raw groundwater sources monitoring is a method yielding a Most Probable Number (MPN) result for both Total Coliform and E. coli. ***Laboratories providing an MPN result for the raw groundwater sources monitoring must report any MPN results that indicate a Total Coliform result greater than 50 colonies per 100 ml, or any positive E.Coli result, to the appropriate field office within 24 hours.***

For more information on raw water monitoring, please see Virginia Waterworks Regulations 12VAC5-590-430: Determination of surface water influence of groundwater sources.