

Brian R. McMinn, Microbiologist, in EPA's National Exposure Research Laboratory

Exposure Methods and Measurements Division

[Mailing Address](#)

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Area of Expertise: Developed and optimized viral concentration techniques for viral indicators/human pathogenic viruses from both potable and recreational waters. Investigated utility of a novel viral indicator for signaling human contamination in water. Conducted research investigating fate and transport of fecal indicators, bacteriophage, viral pathogens as well as microbial source tracking markers in environmental waters.

Select Publications:

McMinn, B.R., Korajkic, A. and Grimm, A.C. (2016) Optimization and evaluation of a method to detect adenovirus in river water. *Journal of Virological Methods*. In Press.

Fout, G.S., Brinkman, N.E., Cashdollar, J.L., Griffin, S.M., Korajkic, A., McMinn, B.R., Varughese, E.A., Ware, M.W., Rhodes, E.R., Grimm, A.C. and Li, Charles. (2015) Comparison of EPA Method 1615 RT-qPCR Assays in Standard and Kit Formats. EPA/600/R-15/130.

Korajkic, A., Wegener Parfrey, L., McMinn, B.R., Vazquez Baeza, Y., VanTeuren, W., Knight, R. and Shanks, O.C. (2015) Changes in bacterial and eukaryotic communities during sewage decomposition in Mississippi river water. *Water Research* 69, 30-39

McMinn, B.R., Korajkic, A. (2015) A Small Volume Procedure for Viral Concentration from Water. *Journal of Visualized Experiments*. (96), e51744, doi:10.3791/51744.

McMinn, B.R., Korajkic, A. and Ashbolt, N.J. (2014) Evaluation of *Bacteroides fragilis* GB-124 phage as a novel human-associated fecal indicator in the United States. *Letters in Applied Microbiology*. 59(1), 115-121

Korajkic, A., McMinn, B.R., Shanks, O.C., Sivaganesan, M., Fout, G.S. and Ashbolt, N.J. (2014) Indigenous River Microbiota and Sunlight Affect Persistence of Fecal Indicator Bacteria and Microbial Source Tracking Genetic Markers *Applied and Environmental Microbiology* 80 (13), 3952-3961

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Education:

- M.S. Environmental Microbiology, 2006

- B.S. Environmental Health, 2003

Professional Experience:

- 2007–Present Microbiologist, US EPA, Cincinnati, OH
- 2006–2007 Microbiologist, Washington Aqueduct, Washington, D.C.
- 2004–2006 Research Assistant, Missouri State University, Springfield, MO
- 2003–2004 Teaching Assistant, Missouri State University, Springfield, MO
- 2002 Internship, Lake County Health Dept., Gurnee, IL