

Susan Glassmeyer, Research Chemist, in EPA's National Exposure Research Laboratory

Systems Exposure Division

[Mailing Address](#)

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Area of Expertise: Susan's research has focused on contaminants of emerging concern (CECs)—chemicals such as pharmaceuticals, perfluorinated chemicals, and fragrances—in the water cycle. Her initial work in this area examined the concentration of these chemicals in wastewater effluents, and their environmental persistence. Since many of these chemicals are associated with household wastewater, they have the potential to be used as tracers of human fecal pathogens. Susan's current research is examining the occurrence of CECs during drinking water treatment to determine which chemicals people are exposed to through the tap.

Select Publications:

"Nationwide Reconnaissance of Contaminants of Emerging Concern in Source and Treated Drinking Waters of the United States" Susan T. Glassmeyer, Edward T. Furlong, Dana W. Kolpin, Angela L. Batt, Robert Benson, J. Scott Boone, Octavia Conerly; Maura J. Donohue, Dawn N. King, Mitchell S. Kostich, Heath E. Mash, Stacy L. Pfaller, Kathleen M. Schenck, Jane Ellen Simmons, Eunice A. Varughese, Stephen J. Vesper, Eric N. Villegas, Vickie S. Wilson. Submitted to *Science of the Total Environment*.

"Development of quantitative PCR assays targeting 16S rRNA gene of *Enterococcus* spp. and their application to the identification of *Enterococcus* species in environmental samples" Hodon Ryu, Michael Henson, Michael Elk, Carlos Toledo-Hernandez, John Griffith, Denene Blackwood, Rachel Noble, Michele Gourmelon, Susan Glassmeyer, and Jorge Santo Domingo. *Applied and Environmental Microbiology*. 2013, 79, 196-204.

"Lagrangian Sampling of Wastewater Treatment Plant Discharges into Boulder Creek Colorado and Fourmile Creek, Iowa During the Summer of 2003 and Spring of 2005- Hydrological and water-quality data" Larry B. Barber, Steffanie H. Keefe, Dana W. Kolpin, Douglas J. Schnoebelen, Jennifer L. Flynn, Gregory K. Brown, Edward T. Furlong, James L. Gay, Susant T. Glassmeyer, Michael T. Meyer, Mark W. Sandstrom, Howard E. Taylor, Steven D. Zaugg. US Geological Survey Open-File Report 2011-1054, 2011. 84 p.

"Predicting Variability of Aquatic Concentrations of Human Pharmaceuticals." Mitchell S. Kostich, Angela L. Batt, Susan T. Glassmeyer, James M. Lazorchak. *Science of the Total Environment*. 2010, 408, 4504-4510.

"Disposal Practices for Unwanted Residential Medications in the United States", Susan T. Glassmeyer, Elizabeth K. Hinchey, Susan E. Boehme, Christian G. Daughton, Ilene S. Ruhoy, Octavia Conerly, Rebecca L. Daniels, Lisa Lauer, Meg McCarthy, Todd G.

Nettesheim, Kathy Sykes, Virginia G. Thompson Environment International. 2009, 35, 566-572.

“Occurrence of Transformation Products in the Environment” in Handbook of Environmental Chemistry, Vol. 2, Part P: Transformation Products of Synthetic Chemicals in the Environment Dana W. Kolpin, William A. Battaglin, Kathleen E. Conn, Edward T. Furlong, Susan T. Glassmeyer, Stephen J. Kalkhoff, Michael T. Meyer, and Douglas J. Schnoebelen Ed. Alistair Boxall Springer-Verlag, Berlin, 2009 pp 83-100.

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Education:

- Ph.D. Environmental Science, Indiana University, 1998
- M.S.E.S. Environmental Chemistry, Indiana University, 1996
- B.S. Chemistry, University Scholar, Xavier University, 1993

Professional Experience:

- Research Chemist, USEPA, ORD, NERL-MCEARD, Cincinnati, OH 1998-present

Honors and Awards:

- 2012 Scientific and Technological Achievement Award - Honorable Mention
- 2012 Quality Step Increase Award
- 2011 ORD Bronze Medal Award
- 2008 Quality Step Increase Award