

# Expanded Target-Chemical Analysis Reveals Extensive Mixed-Organic-Contaminant Exposure in USA Streams

*Paul M. Bradley<sup>a\*</sup>, Celeste A. Journey<sup>a</sup>, Kristin M. Romanok<sup>b</sup>, Larry B. Barber<sup>c</sup>, Herbert T. Buxton<sup>d\*\*</sup>, William T. Foreman<sup>e</sup>, Edward T. Furlong<sup>e</sup>, Susan T. Glassmeyer<sup>f</sup>, Michelle L. Hladik<sup>g</sup>, Luke R. Iwanowicz<sup>h</sup>, Daniel K. Jones<sup>i</sup>, Dana W. Kolpin<sup>j</sup>, Kathryn M. Kuivila<sup>k</sup>, Keith A. Loftin<sup>l</sup>, Marc A. Mills<sup>f</sup>, Michael T. Meyer<sup>l</sup>, James L. Orlando<sup>g</sup>, Timothy J. Reilly<sup>b</sup>, Kelly L. Smalling<sup>b</sup>, and Daniel L. Villeneuve<sup>m</sup>*

<sup>a</sup>U.S. Geological Survey, Columbia, South Carolina, 29210, USA

<sup>b</sup>U.S. Geological Survey, Lawrenceville, New Jersey, 08648, USA

<sup>c</sup>U.S. Geological Survey, Boulder, Colorado, 80303, USA

<sup>d</sup>U.S. Geological Survey, Reston, Virginia, 20192, USA

<sup>e</sup>U.S. Geological Survey, Lakewood, Colorado, 80225, USA

<sup>f</sup>U.S. Environmental Protection Agency, Cincinnati, Ohio, 45220, USA

<sup>g</sup>U.S. Geological Survey, Sacramento, California, 95819, USA

<sup>h</sup>U.S. Geological Survey, Kearneysville, West Virginia, 25430, USA

<sup>i</sup>U.S. Geological Survey, West Valley City, Utah, 84119, USA

<sup>j</sup>U.S. Geological Survey, Iowa City, Iowa, 52240, USA

<sup>k</sup>U.S. Geological Survey, Portland, Oregon, 97201, USA

<sup>l</sup>U.S. Geological Survey, Lawrence, Kansas, 66049, USA

<sup>m</sup>U.S. Environmental Protection Agency, Duluth, Minnesota, 55804, USA

\*Corresponding Author: [pbradley@usgs.gov](mailto:pbradley@usgs.gov); 803-750-6125

\*\*Retired

## Supporting Information

**Excel file containing 8 Tables** with site information, environmental blank and sample data, GIS data and dictionary, Spearman Rank correlation data, and analytical method information.