

Jeffrey N. Morgan, Physical Scientist, in EPA's National Exposure Research Laboratory

Exposure Methods and Measurements Division

[Mailing Address](#)

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Area of Expertise: Prior to becoming Branch Chief in 2008, my research interests focused on development of sensitive analytical methods for determination of environmental contaminants in composite dietary samples. From 2008 - 2015, I served as Chief of the Chemical Exposure Research Branch managing a group of mostly analytical chemists conducting research in a variety of areas including analytical methods for contaminants in drinking water, arsenic speciation, proteomics, fate and transport of chemicals of emerging concern in the water cycle and dietary exposure. As Team Leader, I will continue to provide leadership and oversight in some of these areas as well as begin independent research aimed at applying existing drinking water methods to other water matrices.

Select Publications:

Melnyk, L.J., Hieber, T.E., Turbeville, T., Vonderheide, A.P., and Morgan, J.N. 2010. Influences on Transfer of Selected Synthetic Pyrethroids from Treated Formica® to Foods. *Journal of Exposure Science and Environmental Epidemiology*, doi: 10.1038/jes.2009.66.

Vonderheide, A.P., Thaxton, K., Kauffman, P.E. and Morgan, J.N. (2010). Investigation of reagent gases for the positive chemical ionization of select polybrominated diphenyl ethers. *Microchemical Journal*, 95:279-284.

Medina-Vera, M. VanEmon, J.M., Melnyk, L.J., Bradham, K.D., Harper, S.L., and Morgan, J.N. (2010). An overview of measurement method tools available to communities for conducting exposure and cumulative risk assessments. *Journal of Exposure Science and Environmental Epidemiology*. 20:359-370.

Evans, O., Kauffman, P.E., Vonderheide, A.P., Wymer, L.J. and Morgan, J.N. (2009). The determination of pesticidal and non-pesticidal organotin compounds in water matrices by in situ ethylation and gas chromatography with pulsed flame photometric detection. *Microchemical Journal*, 92:155-164.

Vonderheide, A.P., Boyd, B., Ryberg, A., Yilmaz, E., Hieber, T.E., Kauffman, P.E., Garris, S.T. and Morgan, J.N. (2009). Analysis of permethrin isomers in composite diet samples by molecularly imprinted solid-phase extraction and isotope dilution gas chromatography-ion trap mass spectrometry. *Journal of Chromatography A* 1216: 4633-4640.

Vonderheide, A.P., Kauffman, P.E., Hieber, T.E., Brisbin, J.A., Melnyk, L.J. and Morgan, J.N. (2009). Development of an Analytical Scheme for the Determination of Pyrethroid Pesticides in Composite Diet Samples. *Journal of Agricultural and Food Chemistry* 57: 2096-2104.

View more research publications by [Jeffrey Morgan](#).

Education:

- Ph.D., Food Science, University of Georgia, 1985
- M.S., Biochemistry, University of Georgia, 1980
- B.S., Biochemistry, Purdue University, 1977

Professional Experience:

- Physical Scientist (Team Leader), USEPA, ORD, NERL, EMMD, PHCB, Cincinnati, OH, 2015 - Present
- Supervisory Physical Scientist (Branch Chief), USEPA, ORD, NERL, MCEARD, CERB, Cincinnati, OH, 2008-2015
- Research Chemist, USEPA, ORD, NERL, MCEARD, CERB, Cincinnati, OH, 1995-2008
- Food Chemist, USEPA, ORD, EMSL, QARD, DEB, Cincinnati, OH, 1991-1995
- Research Food Technologist, USFDA, CFSAN, OPS, DFCT, FEB, Summit-Argo, IL, 1989-1991
- Research Food Technologist, USFDA, CFSAN, OPS, DFCT, FEB, Cincinnati, OH, 1988-1989
- Junior Staff Fellow, USFDA, CFSAN, OPS, DFCT, FEB, Cincinnati, OH, 1985-1988

Honors and Awards:

- U.S. EPA, Office of Research and Development Bronze Medal, 2015
- Federal Service Excellence Award Nomination, 2015
- Honorable Mention, Scientific and Technological Achievement Award, 2011