

David A. Olson, Research Physical Scientist, in EPA's National Exposure Research Laboratory

Exposure Methods and Measurements Division

[Mailing Address](#)

olson.david@epa.gov

Area of Expertise:

Select Publications:

Olson, D.A., Vedantham, R., Norris, G.A., Brown, S.G., Roberts, P. (2012) "Determining source impacts near roadways using wind regression and organic source markers," *Atmospheric Environment*, 47(1), 261-268.

Duvall, R.M., Norris, G.A., Burke, J.M., Olson, D.A., Vedantham, R., Williams, R. (2012) "Determining spatial variability in PM2.5 source impacts across Detroit, MI," *Atmospheric Environment*, 47(1), 491-498.

Olson, D.A. (2011) "Vapor transport to indoor environments," Chapter 3 from *Vapor Emission To Outdoor Air And Enclosed Spaces For Human Health Risk Assessment: Site Characterization, Monitoring And Modeling*, Saponaro, S., Sezenna, E., Bonomo, L., eds., Nova Science Publishers, Inc.

Turlington, J.M., Olson, D.A., Stockburger, L., McDow, S.R. (2010) "Trueness, precision, and detectability for sampling and analysis of organic species in airborne particulate matter," *Analytical and Bioanalytical Chemistry*, 397(6), 2451-2463.

Olson, D.A., Hammond, D.M., Seila, R.L., Burke, J.M., Norris, G.A. (2009) "Spatial gradients and source apportionment of volatile organic compounds near roadways," *Atmospheric Environment*, 43(35), 5647-5653.

Olson, D.A., McDow, S.R. (2009) "Near roadway concentrations of organic source markers," *Atmospheric Environment*, 43(18), 2862-2867.

View more research publications by [David Olson](#).

Education:

- Ph.D., Civil/Environmental Engineering, University of Texas at Austin, 2002
- M.S., Civil/Environmental Engineering, University of Texas at Austin, 1996
- B.S., Mechanical Engineering, University of Kansas, Lawrence, 1994

Professional Experience:

- Research Physical Scientist, USEPA, Research Triangle Park, NC 2005-present
- Postdoctoral Fellow, USEPA, Research Triangle Park, NC 2002-2005
- Research and Teaching Assistant, University of Texas at Austin, Austin, TX 1994-2002