MARK D. ROWE
Environmental Engineer
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Education:
B.S., Welding Engineering, The Ohio State University, Columbus, OH, 1997
M.S., Metallurgical Engineering, Colorado School of Mines, Golden, CO, 1999
M.S., Environmental Engineering, Michigan Technological University, Houghton, MI, 2009
Ph.D., Environmental Engineering, Michigan Technological University, Houghton, MI, 2009

Employment:

2010-Present	U.S. EPA, Grosse Ile, MI
2004-2009	Michigan Technological University, Houghton, MI
2000-2004	Haynes International Inc., Kokomo, IN
1997-1999	Colorado School of Mines, Golden, CO; Investigative Engineering, Englewood, CO
1992-1997	The Ohio State University, Columbus, OH; Diamond Power Specialty Company, Lancaster, OH; Welding Consultants Inc., Columbus, OH.

Research/Administrative Interests and Skills:
Water quality modeling
Fate and transport/Analytical chemistry of persistent organic compounds
Atmosphere-surface interaction

Professional Societies:
International Association of Great Lakes Research
American Geophysical Union

Selected Appointments/Honors/Major Awards:
Restek Best Student Paper Award for "Thermal extraction and analysis of atmospheric semivolatile organic compounds from multicapillary collection devices" presented at Dioxin 2008, August 17-22, Birmingham, UK
Best paper award for "Properties, weldability, and applications of modern, wrought, heat-resistant alloys for aerospace and power generation industries" presented at the International Gas Turbine and Aeroengine Congress and Exhibition, Vienna, Austria, June 13–17, 2004

Selected Publications:
M.D. Rowe and J.A. Perlinger. Performance of a high flow rate, thermally extractable multicapillary denuder for atmospheric semivolatile organic compound concentration measurement. *Environmental Science and Technology*: doi:10.1016/j.chroma.2009.11.049.
M.D. Rowe and J.A. Perlinger. Prediction of gas collection efficiency and particle collection artifact for atmospheric semivolatile organic compounds in multicapillary denuders. *Journal of Chromatography A* 1217(3):256-263 doi:10.1016/j.chroma.2009.11.049.
M.D. Rowe and J.A. Perlinger. Gas-phase cleanup method for analysis of trace atmospheric semivolatile organic compounds by thermal desorption from diffusion denuders. *Journal of Chromatography A* 1216(32):5940-5948 doi:10.1016/j.chroma.2009.06.034.
M.D. Rowe and J.A. Perlinger. 2008. Thermal extraction and analysis of atmospheric semivolatile organic compounds from multicapillary collection devices. *Organohalogen Compounds* 70:38-41.
J.A. Perlinger and M.D. Rowe. 2008. Atmospheric transport and air-water exchange of hexachlorobenzene in Lake Superior. *Organohalogen Compounds* 70:598-601.
M. D. Rowe, J.A. Perlinger, and N.R. Urban. 2009. Modeling contaminant behavior in Lake Superior: A comparison of PCBs, PBDEs, and mercury, In: *State of Lake Superior: Health, Integrity & Management*, Ecovision World Monograph Series, M. Munawar and I.F. Munawar (Eds.), Aquatic Ecosystem Health and Management Society: 239-286.