

Melissa L. Marietta

Senior Scientist



Education and Credentials

M.S., Geology, University of Kansas, Lawrence, Kansas, 2012

B.S., Environmental Geology, University of Kansas, Lawrence, Kansas, 2006

B.A., Spanish, University of Kansas, Lawrence, Kansas, 2006

Continuing Education and Training

Hazardous Waste Operations and Emergency Response 40-Hour Certification (2007; refreshers 2009, 2011)

Professional Profile

Ms. Melissa Marietta is a hydrogeologist with 2 years of consulting experience. She has worked in the oil and gas sector in asset management, air emissions compliance, and spill response. She has considerable field experience in site characterization and hazardous material remediation, and analytical experience in organic geochemistry and geomicrobiology methods and data analysis.

Relevant Experience

Asset Management and Compliance, Various Companies, Denver, Colorado—Implemented asset management software for oil and gas companies, which involved tracking Title V permit compliance and estimating greenhouse gas emissions for the EPA Greenhouse Gas Reporting Program.

Spill Response, Various Sites, Western Colorado—Managed spill response projects in the transportation and oil and gas industries in Western Colorado, mainly in the Piceance basin. Performed initial spill response activities, site characterization and remediation, and site restoration.

Publications

Marietta, M.L., and J.F. Devlin. 2005. Separating the kinetic and sorption parameters of nitroaromatic compounds in contact with granular iron. *Bringing Groundwater Quality Research to the Watershed Scale* (Proceedings of Groundwater Quality Conference 2004, Waterloo, Ontario, Canada). IAHS Publication 297.

Invited Presentations/Panels/Peer Reviews

2005. Separating sorption and kinetic parameters using a novel kinetic model for the nitroaromatic compounds, 4ClNB, 4AcNB, and 4MeNB, reacting with granular iron. Association of Engineering Geologists, Kansas City-Omaha Chapter Meeting, Kansas City, MO. Copresenter with J.F. Develin. 2005.

Presentations/Posters

Helgen, S., M. Marietta, C. Hutchings, and E. Palko. 2018. Site-specific desorption testing of perfluorononanoic acid (PFNA) to



assess potential soil leaching to groundwater. Platform presentation at Eleventh International Conference on Remediation of Chlorinated and Recalcitrant Compounds, Palm Springs, CA. April 8-12.

Marietta, M.L., D.A. Fowle, and J.A. Roberts. 2008. Long-term exposure of tropical soils to pressure treated lumber, Barro Colorado Island, Panama: Impacts on soil metal mobility and microbial community structure. American Geophysical Union Fall Meeting, San Francisco, CA.

Marietta, M.L., and J.F. Devlin. 2005. Comparison of two methods for distinguishing sorption and reaction in granular iron systems. 229th American Chemical Society National Meeting, San Diego, CA.

Marietta, M.L., and J.F. Devlin. 2004. Separating kinetic and sorption parameters for the nitroaromatic compounds 4CINB and 4AcNB in contact with granular iron. 4th International Groundwater Quality Conference, Waterloo, Ontario, Canada.

