



Publication

Partitioning of per- and polyfluoroalkyl substances to weathered light non-aqueous phase liquid-

Haley & Aldrich's [Yida Fang](#) recently published [an article](#) on a critical process that impacts the transport of PFAS in the vadose zone in *Groundwater Monitoring & Remediation*, the magazine of the National Groundwater Association.–

PFAS – short for per- and polyfluoroalkyl substances – are often found alongside weathered (or partially evaporated) petroleum hydrocarbons as contaminants at sites where firefighters have used aqueous film-forming foam (AFFF) to extinguish high-temperature petroleum fires. In the article [“Partitioning of Per- and Polyfluoroalkyl Substances to Weathered Light Non-Aqueous Phase Liquid,”](#) Yida and his co-authors share the results of their studies into how long- and short-chain PFAS were partitioned in the presence of weathered diesel and gasoline range hydrocarbon light non-aqueous phase liquid or LNAPL. Their results suggest that PFAS mass is likely to migrate from the aqueous phase to the LNAPL phase in the vadose zone – an important insight to consider when designing remediation strategies for sites contaminated by both AFFF and LNAPL.–

[Read](#) the full article.–