

Gradient



NEWS ALERT

Gradient Principal, Eric L. Butler, Ph.D., to Address the Independent Testing Laboratory Association

Eric L. Butler, Ph.D., a Principal at Gradient, has been invited to speak at the Annual Meeting of the Independent Testing Laboratory Association (ITLA) on March 17, 2010. Dr. Butler's presentation, *The Forensic Toolbox: Techniques for Determining Liability and Apportioning Blame*, will address several approaches for determining accountability in disputes over the sources of contamination or the relative proportion of multiple contamination sources at a site. The talk will describe the use of forensic methods, including fingerprinting techniques applied to petroleum hydrocarbons, PAHs, PCBs, dioxins, and solvents; recent advances in compound-specific isotope analysis for chlorinated solvents; and the use of marker compounds to differentiate sources of petroleum products. Dr. Butler will also examine a variety of case studies where the assimilation of information from many sources, combined with chemical analyses and the application of logic, were integrated into a coherent narrative that contributed to the resolution of environmental disputes.

For more information on Gradient's Environmental Forensic Services, contact:

[Eric L. Butler, Ph.D.](mailto:ebutler@gradientcorp.com)

Principal

ebutler@gradientcorp.com

Gradient is an environmental and risk science consulting firm renowned for our specialties in Toxicology, Epidemiology, Risk Assessment, Product Safety, Contaminant Fate and Transport, and Environmental Chemistry. We employ sound science to assist national and global clients in resolving their complex problems relating to chemicals in the environment, in the workplace, and in consumer products.

(617) 395-5000 • www.gradientcorp.com • info@gradientcorp.com