

UVOST®

ULTRA-VIOLET OPTICAL SCREENING TOOL

The Ultra-Violet Optical Screening Tool (UVOST®) is used to reliably delineate nearly any petroleum NAPL including gasoline, diesel, crude oil, kerosene, and many others. It can be deployed by any type of direct push platform. UVOST® is simply the world's finest commercial laser-induced fluorescence (LIF) system and it was built to do one thing – find petroleum NAPL.



HOW THE UVOST WORKS

The UVOST system uses a sapphire window in the side of the direct push probe to measure front-face fluorescence of the petroleum NAPL as the probe is advanced into the soil with nearly any Direct Push Track (DPT) platform. Poly Aromatic Hydrocarbons (PAH) fluorescence of fuels/oils is directed back to the surface where it is analyzed. Responses are indicated in real-time on a graph of UVOST signal versus depth.

Successful remediation and treatment systems use UVOST Data—Conceptual Site Models (CSM) require detailed knowledge of NAPL location and distribution. UVOST provides your client with a conceptual site model at unprecedented speed, detail, and efficiency. Sampling simply can't compete with UVOST production rates. Since the first full-scale site characterization project with UVOST LIF technology in 1997, the UVOST system has been successfully applied and validated across a wide range of site conditions and deployment platforms, including Geoprobe and CPT. Nearly every major consulting firm in the U.S. has used UVOST to generate CSMs of petroleum NAPL.



