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UVF-500D.COM



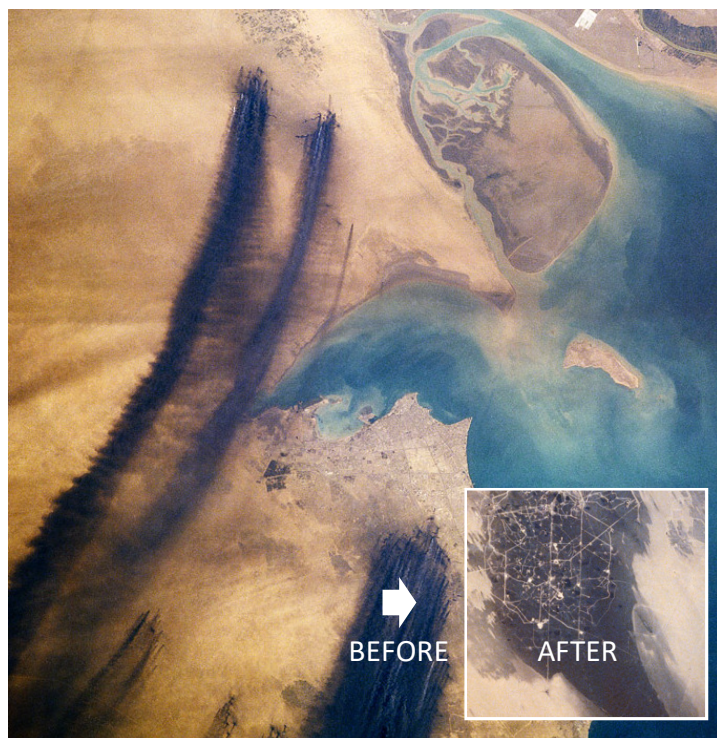
CRUDE OIL IN SOIL

UVF-500D ANALYZER APPLICATIONS



KUWAIT OIL WELL FIRES, 1991 IRAQ WAR

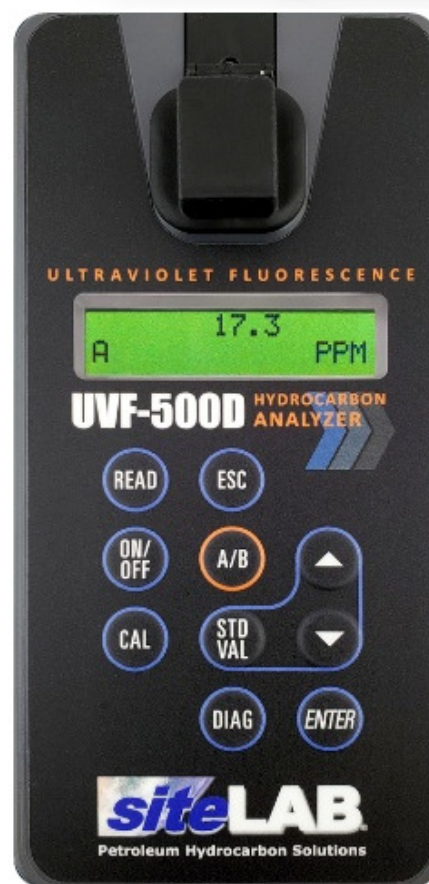
Photos from the U.S. Space Shuttles (nasa.gov), show oil wells set on fire along the Persian Gulf in June 1991. Hundreds of wells burned, some up to ten months. An estimated 1 to 1.5 billion barrels of crude oil was released, leaving behind hundreds of lakes of oil and “tarcrete” soot across 5% of Kuwait’s landscape. In 2021, Kuwait has plans to finish remediating the contamination.



Funded by the United Nations, a U.S. contractor used Sitalab as part of an international effort to investigate soils and beach sand along the Persian Gulf in 2001. Hundreds of soil samples were tested on-site. Sitalab’s new handheld UVF-500D analyzer is ideal for this application. Field screening TPH in soil takes less than 5 minutes, useful for making real time sampling decisions, site characterization, excavation and treatment verifications.

UVF Field Results	vs. Certified Laboratory
23,440	26,000
19,640	19,000
14,850	24,000
10,500	5,700
38	30
28	22
7	17

Examples show accuracy over a wide range of concentrations. Results in ppm (mg/Kg).



UVF-500D, Part No. 50200



UVF-500D Soil Extraction Kit
Part No. EXTR010-20

SAVE TIME AND MONEY ON YOUR NEXT PROJECT!

- Detects crude oils and heavy fuel oils
- Battery operated
- Easy to use
- Uses ultraviolet fluorescence
- Features two optical channels
- Shipped factory calibrated to TPH
- Reads samples in 5 seconds
- Concentrations displayed in ppm
- Low detection limits (MDL <5 ppm)
- Uses methanol or hexane to extract samples for analysis
- Test kits available for oil in soil and oil in water