



APPLICATIONS USING UVF-500D ANALYZER

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UVF-500D.COM

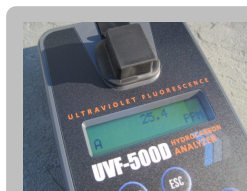


PRODUCED WATER - TREATMENT FACILITY, WYOMING

UVF-500D is used to monitor oil in water contaminated with crude oil collected from production wells in Wyoming. A water treatment company provides systems that enable oil and gas companies to recycle and reuse flow back water more efficiently. The analyzer provides quick results in minutes and is used to check concentrations of oil in water throughout the treatment process. The UVF-500D's minimum detection limit for TPH is 5 ppm.



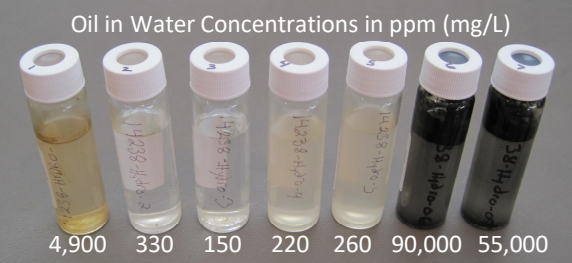
Tanker trucks with produced water arriving at the treatment facility are tested on-site for TPH content.



These applications used the following products:

UVF-500D Analyzer: Part No. 50200
UVF-500D Starter Kit: Part No. 90300
Water Extraction Kit: Part No. EXTR010-20-HEX
Soil Extraction Kit: Part No. EXTR010-20

TPH calibration correlates to EPA 1664, 9071B and other lab methods



PRODUCED SAND - OFFSHORE OIL PLATFORM, SOUTH CHINA SEA

Oil company in Malaysia uses the UVF-500D to help monitor and treat contaminated sand for TPH in order to meet their 10,000 ppm (mg/Kg) overboard discharge limit. Produced sand is generated from crude oil production wells deep beneath the sea floor. Sending samples offsite for laboratory analysis can take a long time. Sitalab's soil extraction kit can be used for soil, sand or sediments. Samples take about 5 minutes to prepare and analyze.



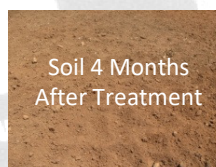
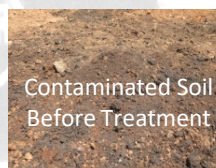
TPH Concentration
= 1,620 ppm (mg/Kg)

OIL IN SOIL - COPPER MINE, AFRICA

A mining company uses a large fleet of trucks and heavy equipment for open pit mining. Spillage and leakage of diesel and oil at the site is inevitable during storage, refueling, breakdowns and equipment servicing. Contaminated soils are stockpiled and then treated using bioremediation techniques. The UVF-500D is used to help monitor the progress over time until the soil concentrations are below the 1,000 ppm action limit.



Soils are field screened for Total Petroleum Hydrocarbons (TPH).



Contaminated Soil
Before Treatment

Soil 4 Months
After Treatment