

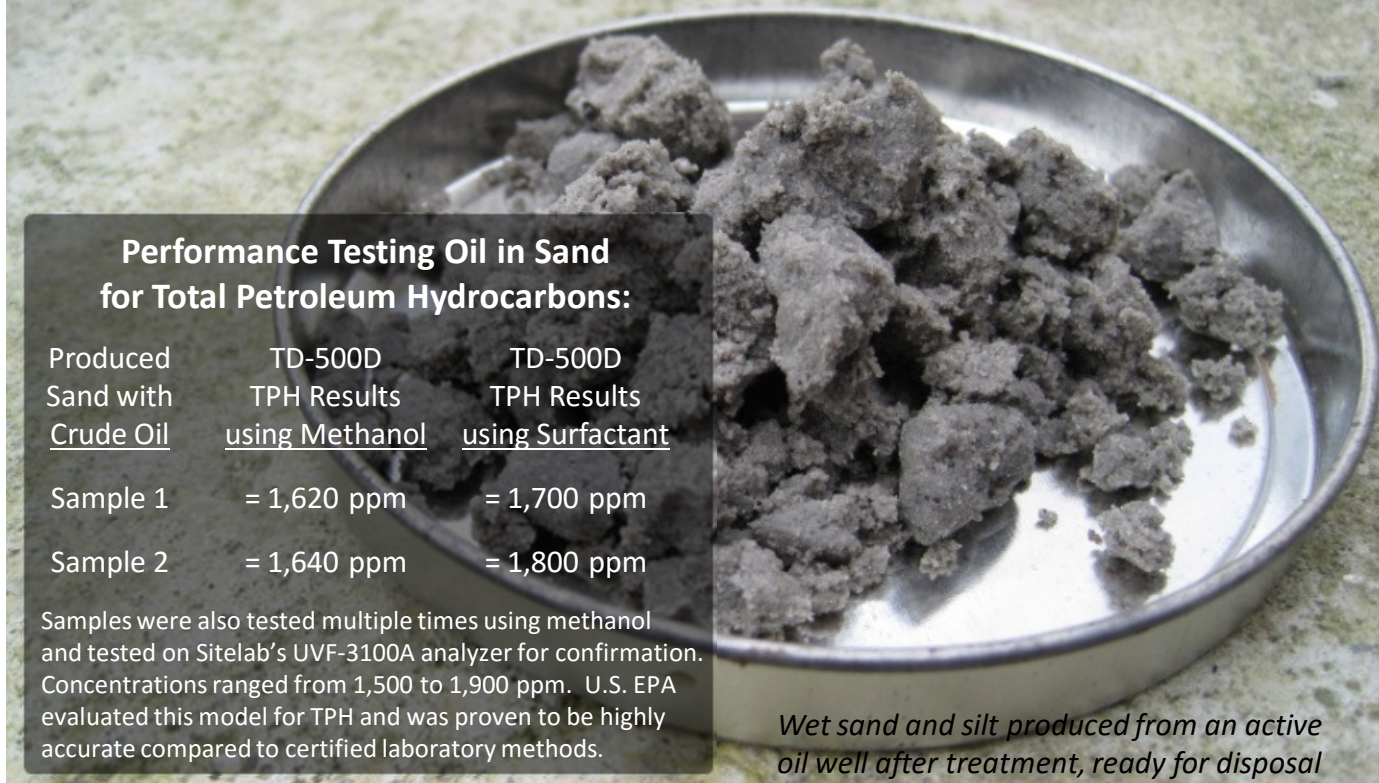


Crude Oil in Produced Sand



Sitelab Corporation
 Visit: site-lab.com
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for Offshore Overboard Discharge Applications



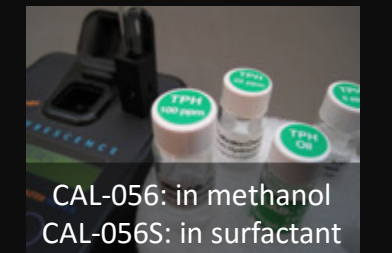
Wet sand and silt produced from an active oil well after treatment, ready for disposal

Offshore oil platform in the South China Sea, Malaysia:
 Customer uses TD-500D to help monitor and treat contaminated sand in order to meet their 10,000 ppm (mg/Kg) discharge limit.

Performance Testing Oil in Sand for Total Petroleum Hydrocarbons:

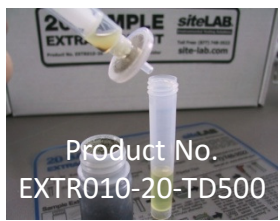
Produced Sand with Crude Oil	TD-500D TPH Results using Methanol	TD-500D TPH Results using Surfactant
Sample 1	= 1,620 ppm	= 1,700 ppm
Sample 2	= 1,640 ppm	= 1,800 ppm

Samples were also tested multiple times using methanol and tested on Sitelab's UVF-3100A analyzer for confirmation. Concentrations ranged from 1,500 to 1,900 ppm. U.S. EPA evaluated this model for TPH and was proven to be highly accurate compared to certified laboratory methods.



Sitelab's TPH-Oil calibration standard is used for analysis, formulated to produce test results that correlate well to the laboratory gravimetric methods (U.S. EPA 1664).

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Product No. EXTR010-20-TD500

TD-500D results were similar using solvent or surfactant for sample extraction. Test kits are available to prepare samples for analysis. Results take only 5 minutes from start to finish.



For locations where the use of solvents is prohibitive, the surfactant can be used as a substitute. For more details, contact Turner Designs Hydrocarbon Instruments.