

siteLAB Sitelab Corporation
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USA: 978-363-2299

Nigeria Crude Oil

Safic Technologies, Ltd. - Port Harcourt

A pilot study was conducted testing soil samples collected from a pipeline spill. Split samples were sent to Sitelab for EDRO analysis and results were the same. Samples were also sent to a Nigerian lab and a highly reputable lab in the United States for confirmation. After testing the samples a second time, the American lab got better results. Labs from different countries report TPH in different carbon ranges.

EDRO Calibration Kit Product No. CAL-042

- Available in methanol or hexane solvents.
- Creates linear 5-point calibration curve with low 0.1 ppm detection limit.
- Standards are reusable with 3-month or 6-month expiration date.

UVF-3100 Calibration Kit
Test: TPH:EDRO Extended Diesel Range Hydrocarbons
Product No. CAL-042

Reference Standard: TPH:EDRO C10 to C36 Diesel and Oil Range Hydrocarbons
(Standard in Methanol Solvent)

Concentration: 20 ppm
Volume: 6 mL
Use as check up for preparing the calibration standards if necessary

EDRO Calibration Standards
(Standards contain ready-to-use, concentrated 1 mL solutions dissolved in methanol solvent. Under the hood, UVF-3100 operating manual or our "Quick Reference Guide" for calibration instructions and quality controls to perform.)

Calibration Standards Preparation Procedure

IMPORTANT QA/QC TO PERFORM

Materials included with kit:

Preparation supplies needed:

WARNING: CAUTION 68 °F (20 °C)
This product contains methyl alcohol solvent (Methanol) which is highly flammable. Safety Data Sheet (SDS) available for details.

Includes certificate of analysis

	Soil Sample 1	Soil Sample 2
Customer EDRO	15,150 ppm	7,160 ppm
EDRO at Sitelab	15,430 ppm	7,800 ppm
Nigerian Lab GC-FID Using EPA 8015M: C9-C40	15,000 ppm	6,829 ppm
American Lab GC-FID Using EPA 8015M: C10-C36	46,000 ppm	13,000 ppm
 Results high. Samples retested!		
American Lab GC-FID	24,800 ppm	10,200 ppm
Lower/better results! Remember, labs don't always get it right.		

Chromatograms Can Look Different Too

**Nigerian Lab GC
Sample 1 = 15,000 ppm**

**American Lab GC
Sample 1 = 24,800 ppm**

TPH Range: C9 to C40

TPH Range: C10 to C36