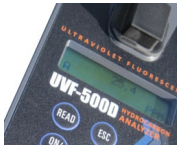
siteLAB
Petroleum Hydrocarbon Solutions



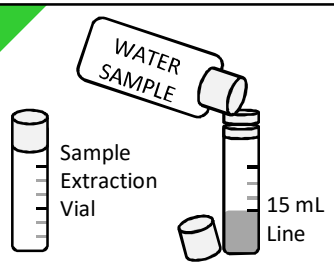
 Visit: UVF-500D.COM

UVF-500D » OIL IN WATER TEST PROCEDURE

Procedures shown here use the materials included in Sitelab's Water Test Kit, Part No. EXTR60-500D. Use this product for most oil in water applications, including clean, less oily water that does not require filtration or dilution.

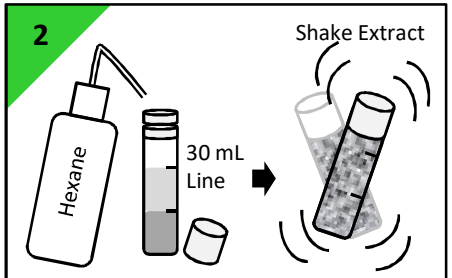
PART NO. EXTR60-500D
SUPPLIES FOR 60 WATER SAMPLES

1



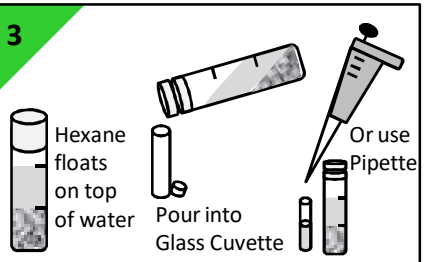
Shake water sample prior to use to mix contents thoroughly. Quickly pour 15 mL of water into a glass sample extraction vial. The vials have 5 mL graduations, be precise. If you do not have a container or bottle to collect your water sample, use an extraction vial to collect sample.

2



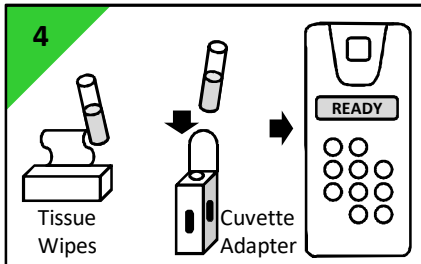
Add Hexane to the solvent dispenser bottle. Add 15 mL of hexane into the vial. Hexane will float on top of the water, so squirt up to the 30 mL line. Be precise. This creates a 1:1 or "1X" Extract. Screw and tighten the cap. Shake Extract for two minutes. The oil will dissolve into the solvent.

3



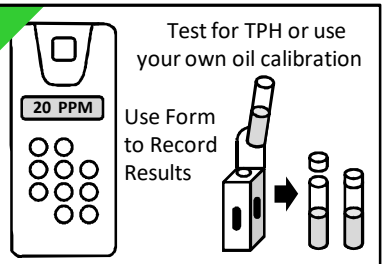
After shaking, allow time to settle so the solvent and water separate. Remove cap and pour top solvent layer into a glass cuvette about ½ full. Avoid water from bottom of vial! Alternatively, use a pipette to transfer the Extract to cuvette (less messy).

4



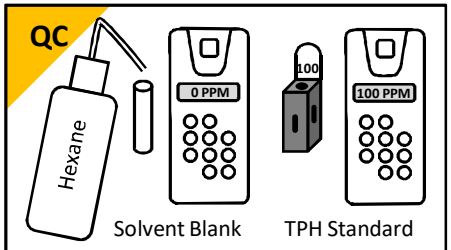
Clean cuvette with sample Extract using a tissue to remove any liquids or fingerprints and place into the cuvette adapter. Turn analyzer on, open the lid, slide adapter into the testing well and press the READ button. The lid does not need to be closed. Use Channel A only for TPH.

5



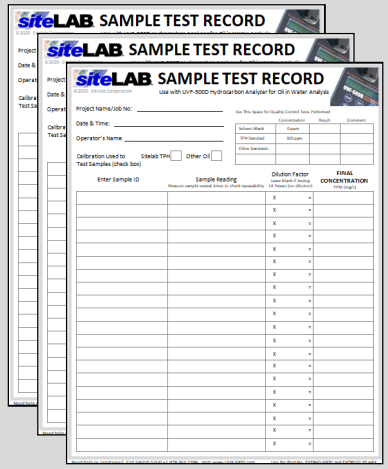
Record the concentration. Press READ again to check repeatability. If the analyzer is calibrated using the TPH solid standard, samples with readings below 5 ppm report as "Non Detect." Add plug cap to cuvette to avoid spills or to analyze later. Save the Extract, use it to make dilutions if necessary.

QC

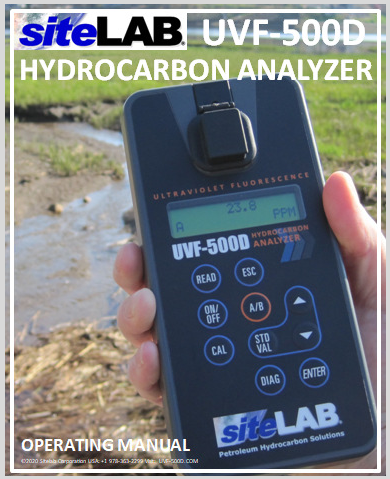


Quality Control Tests:

Fill a cuvette with hexane and test a blank to make sure the solvent is clean. Readings should be close to zero ppm. Test the TPH calibration standard to check for drift. Readings should be close to 100 ppm (+/- 10%). Use Channel A only for TPH in water.



Kit includes sample test record sheets to record results. Sticker labels are also provided to use on vials or caps.



See the UVF-500D Operating Manual for more information. Available on the UVF-500D website.