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Extraction conditions were as follows:

1 filter per vessel

20 ml of 50:50 hexane: acetone

10 minute temperature ramp to 115° C and
10 minute hold

Vessel cooled to room temperature and the
solvent decanted.

Solvent was concentrated and spiked with
internal standard

Analysis with gas chromatography/ mass
spectrometry

Recovery of diesel range alkanes

-Excellent extraction recovery for alkanes, polyaromatics and methyl esters

additional experiments continue to show good recovery of deuterated spike standards

-Rapid extraction of multiple samples reduces costs and waiting periods
lower solvent purchase and disposal costs
lower labor costs per sample

-Solvent mixtures can be customized to address specific compound extraction issues.

solvent polarity
boiling point
spectroscopic interferences

std microaverage

