

Application Data Sheet

No. 185

System Gas Chromatograph

Hydrocarbons in Sulfolane Analysis Nexis GC-2030IMP GC-2014IMP

This method is for determining hydrocarbons in Sulfolane or similar composites as described in below compound table. It requires the use of a dedicated gas chromatographic system which is configured with an automatic liquid injector.

Analyzer Information

System Configuration:

One SPL injector / one capillary column /
one FID detector

Sample Information:

Determining low concentrations of hydrocarbons in lean solvent sulfolane. benzene, toluene, C8 aromatics composites, and C9 aromatics composites are determined.

Methods met:

UOP-831

Concentration Range:

No.	Name of Compound	Concentration Range	
		Low Conc.	High Conc.
1	Benzene	1.0 ppm	100 ppm
2	Toluene	1.0 ppm	100 ppm
3	C8 Aromatics	1.0 ppm	100 ppm
4	C9+	1.0 ppm	100 ppm

Detection limits may vary depending on the sample.
Please contact us for more consultation.

System Features

- Single FID channel
- Good repeatability

Typical Chromatograms

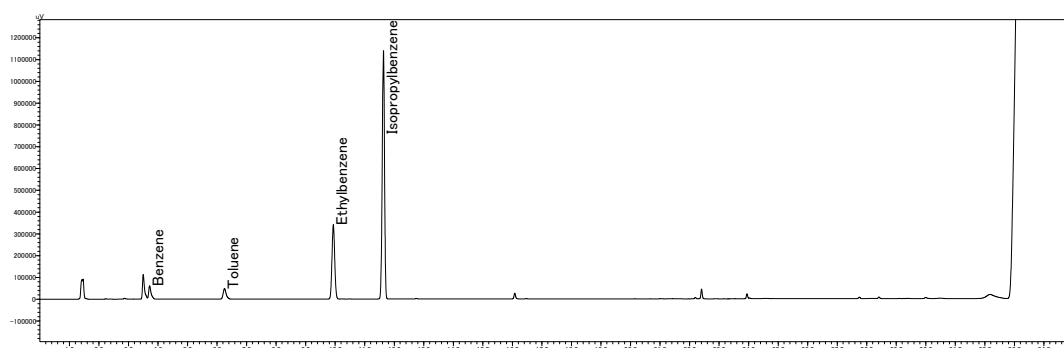


Fig. 1 Chromatogram of FID