

# Application Data Sheet

## No. 171

### System Gas Chromatograph

## Impurities in Benzene Analysis Nexis GC-2030BZ2 GC-2014BZ2

This method is for determining trace impurities in finished benzene 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

##### Sample Information:

Non-aromatics, Benzene, Toluene, Ethylbenzene, m-Xylene, o-Xylene, C9+ Aromatics, 1,4-Diethylbenzene, p-Xylene

##### Methods met:

ASTM-D4492

#### Concentration Range:

No.	Name of Compound	Concentration Range	
		Low Conc.	High Conc.
1	Non-aromatics	0.002%	2.000%
2	Benzene	0.002%	2.000%
3	Toluene	0.002%	2.000%
4	Ethylbenzene	0.002%	2.000%
5	m-Xylene	0.002%	2.000%
6	o-Xylene	0.002%	2.000%
7	C9+ Aromatics	0.002%	2.000%
8	1,4-Diethylbenzene	0.002%	2.000%
9	p-Xylene	98.000%	100.000%

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

#### System Features

- Single FID channel
- Good repeatability

#### Typical Chromatograms

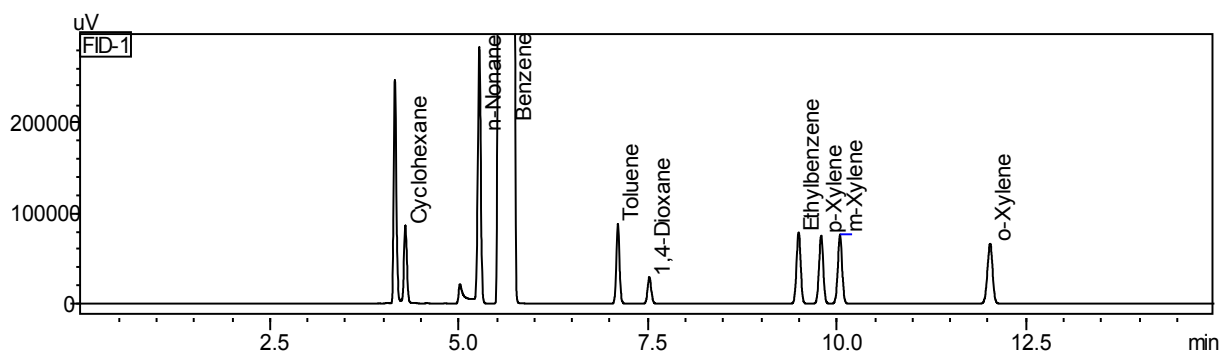


Fig. 1 Chromatogram of FID

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