SHIMADZU
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Application Data Sheet

No.181

System Gas Chromatograph

Impurities in p-Xylene Analysis
Nexis GC-2030PXY2
GC-2014PXY2

This system is for determining the impurities in p-xylene 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:
Trace hydrocarbon impurities in high purity p-xylene

Methods met:
UOP-720

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

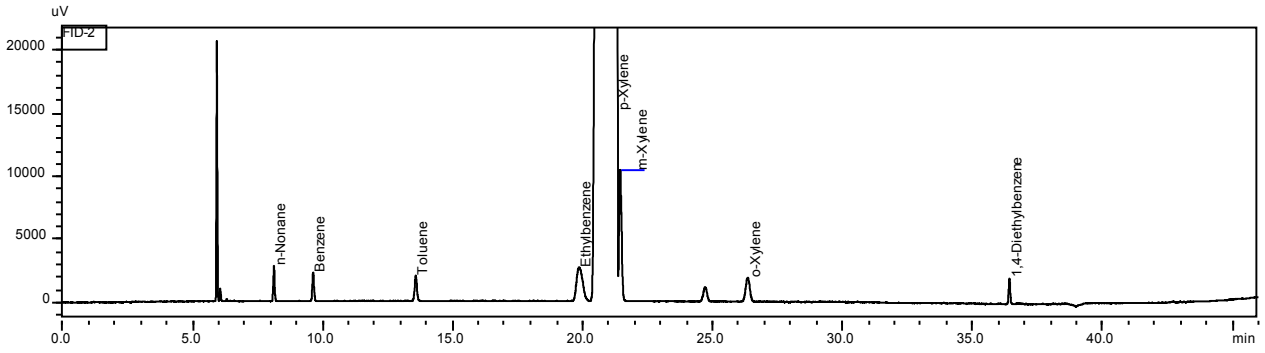

Fig. 1 Chromatogram of FID

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