SHIMADZU
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Application Data Sheet
No.113

System Gas Chromatograph

Volatile Organic Compounds in Atmospheric Air Analysis System
Nexis GC-2030VOC
GC-2014VOC

This GC is designed to measure volatile organic compounds in atmospheric air. One valve and one column is used to create this GC system. The sample is separated by a DB-1 column and is detected by FID. LabSolutions chromatography software handles all aspects of GC control, automation, and data handling.

Analyzer Information

System Configuration:
One valve / one capillary column with one FID detector

Sample Information:
Vinylchloride, 1,2-Dichloroethane, Benzene, Ethylene oxide

Concentration Range:

No.	Name of Compound	Concentration Range		Detector
		Low Conc.	High Conc.	
1	Vinylchloride	5ppm	100ppm	FID
2	1,2-Dichloroethane	5ppm	100ppm	FID
3	Benzene	5ppm	100ppm	FID
4	Ethylene oxide	5ppm	100ppm	FID

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

System Features

・11 minutes analysis for all composition analysis can be carried out
・One FID channel
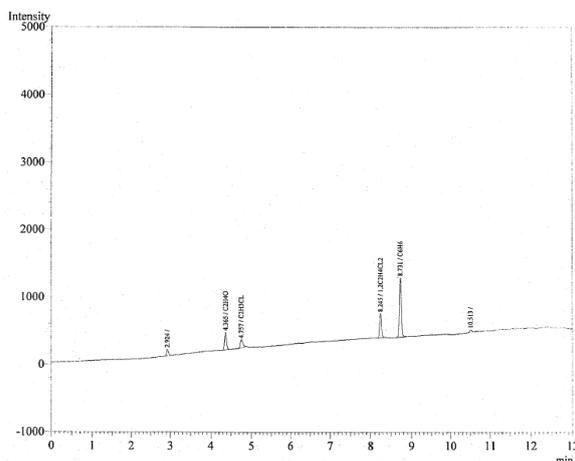・Good repeatability

Typical Chromatograms

Fig. Chromatogram of FID

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