

Application Data Sheet

No. 76

System Gas Chromatograph

Trace Chlorinated Hydrocarbons in O₂ Analysis System Nexis GC-2030CHC GC-2014CHC

This instrument is applied for the determination of chlorinated hydrocarbons in O₂ by gas chromatography (GC) and ECD. The sample is introduced into the analytical flowpath using a sample loop. A DC-200/550 column separates Trichloro-ethylene and 1,1,1-Trichloroethylene into and detected by ECD. LabSolutions chromatography software handles all aspects of GC control, automation, and data handling.

Analyzer Information

System Configuration:

Two valves / two packed columns with one ECD detector

Sample Information:

Trichloroethylene, 1,1,1-Trichloroethylene

Concentration Range:

No.	Name of Compound	Concentration Range		Detector
		Low Conc.	High Conc.	
1	Trichloroethylene	50ppb	0.1%	ECD
2	1,1,1-Trichloroethylene	50ppb	0.1%	ECD

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

System Features

- Versatile software easy GC system operation
- 12 minutes analysis for 1,1,1-Trichloroethylene analysis can be carried out
- One ECD channels
- Good repeatability

Typical Chromatograms

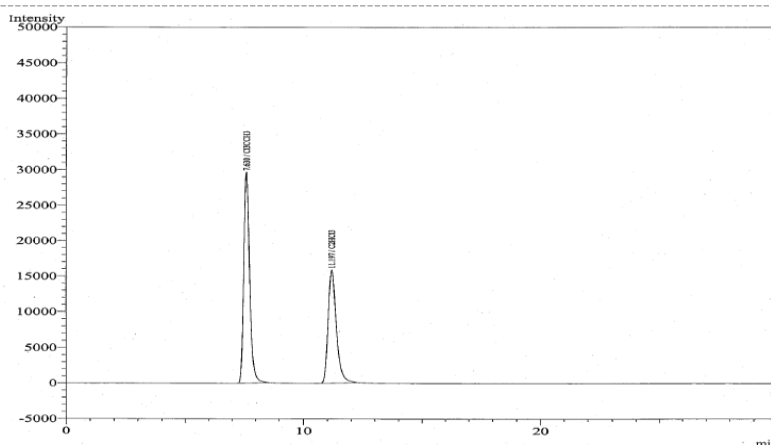


Fig. Chromatogram of ECD

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