

Application Data Sheet

No. 178

System Gas Chromatograph

Trace CO and CO₂ in Hydrogen/ Light Gaseous Hydrocarbons
Nexis GC-2030CCC6
GC-2014CCC6

This method is for determining the composition of trace carbon monoxide and carbon dioxide and methane in methane and hydrogen and vaporized liquefied petroleum gas (LPG) as described in below compound table. It requires the use of a dedicated gas chromatographic system which is configured with an automatic sampling and column switching technique in multiple columns.

Analyzer Information

System Configuration:

Two valves/ two packed columns / one FID detector

Sample Information:

Determining the composition of carbon monoxide and carbon dioxide and methane in propylene and hydrogen and vaporized liquefied petroleum gas (LPG)

Methods met:

UOP-603

Concentration Range:

No.	Name of Compound	Concentration Range	
		Low Conc.	High Conc.
1	Carbon Monoxide	0.1 ppm	500 ppm
2	Carbon Dioxide	0.2 ppm	500 ppm
3	Methane	0.2 ppm	500 ppm

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

System Features

- Single FID channel
- Vaporizer is also available for LPG analysis(Optional)
- Back flushing technique for long-term stability of system

Typical Chromatograms

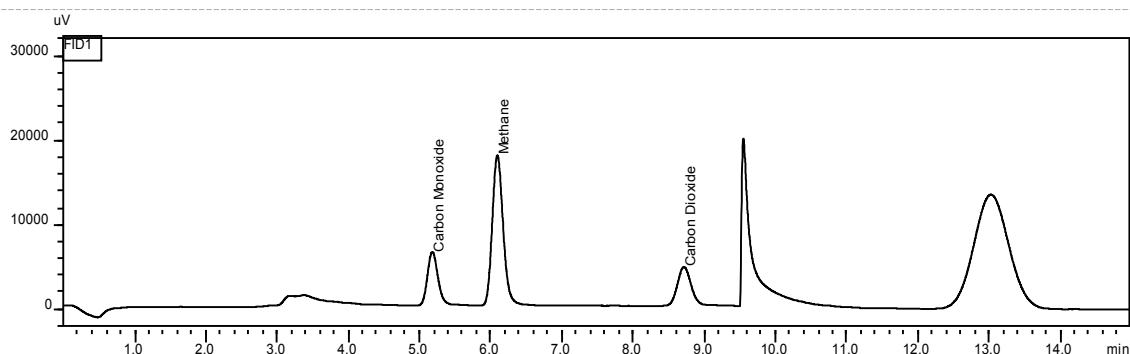


Fig. 1 Chromatogram of FID

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