

# Thermo Scientific Gas Chromatograph Analyzers

## Natural Gas Analyzer for GPA 2177

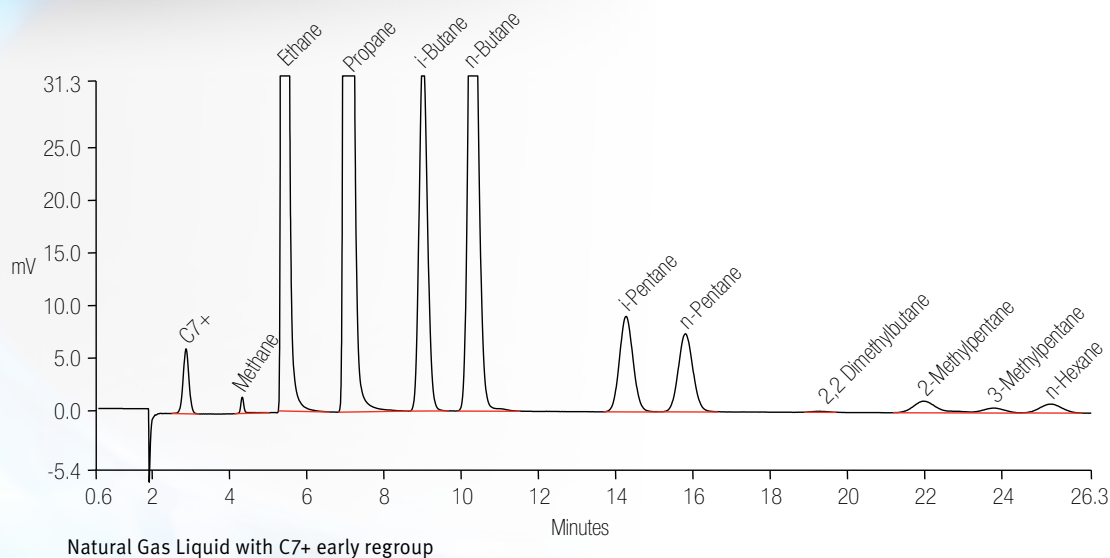


### Product Spotlight

The Thermo Scientific Natural Gas Analyzer analyzes Natural Gas Liquid (NGL) samples to determine BTU content as outlined in GPA Method 2177. The system, based on the Thermo Scientific™ TRACE™ 1310 gas chromatograph, analyzes a single NGL sample. Additionally, dual-channel configurations are available, enabling simultaneous analysis of two samples for increased throughput.

### Analyzer details

- Sample type: Natural gas liquid
- Components: C7+ regroup, Nitrogen (air composite), Carbon Dioxide, Methane, Ethane, Propane, i-Butane, n-Butane, i-Pentane, n-Pentane, 2,2 Dimethylbutane, 2-Methylpentane, 3-Methylpentane, n-Hexane
- Meets requirements for GPA 2177
- TRACE™ 1310 Gas Chromatograph
- Three packed columns in GC oven
- Independently heated valve oven with two valves
- Single TCD detector
- Plumbed with sulfur-resistant tubing



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### Natural Gas System Specifications

Standard	GPA 2177
Sample	Natural Gas Liquid (NGL)
Detectors	TCD
N <sub>2</sub> (air composite), CO <sub>2</sub>	Yes
O <sub>2</sub> /N <sub>2</sub>	No
He/H <sub>2</sub>	No
Hydrocarbons	C1-C6 with C7+ regroup
Repeatability	<1.0%
MDL Hydrocarbons	0.005%
MDL Perm Gases	0.01%
MDL H <sub>2</sub> S	0.05%
Valves per channel	2
Columns per channel	3 packed
Sulfur Inert	Yes

Thermo Fisher Scientific offers a suite of more than 20 turnkey analyzers for natural gas, natural gas liquids, and liquefied petroleum gas. Single channel, dual channel, or multi-method combination systems are available to meet your requirements. Customized systems can be designed to meet individual analytical challenges as required. Contact your local representative for more information.

For more information, visit [www.thermofisher.com/oilandgasinfo](http://www.thermofisher.com/oilandgasinfo)

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