

Minimal bleed | Highly inert
Temperature stable

GC PLOT columns

For analysis of gases and volatiles

The analysis of gases and volatiles has historically been challenging for gas chromatographers. The need to maintain resolution for very volatile compounds has meant that many methods are still based on traditional packed columns. This is limiting as packed columns offer low resolution and are often dedicated to one specific analysis.

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BP BOND PLOT columns

PLOT columns are ideal for separating compounds that are gases at room temperature. Trajan Scientific and Medical offers the BP BOND range of PLOT columns for analysis of fixed gases, low molecular weight hydrocarbons, volatile polar compounds and reactive analytes such as sulfur gases, amines and hydrides.

BP BOND PLOT columns are engineered to prevent the stationary phase particles from shredding downstream. Columns have been manufactured for stability at high temperatures, low bleed and high inertness levels.

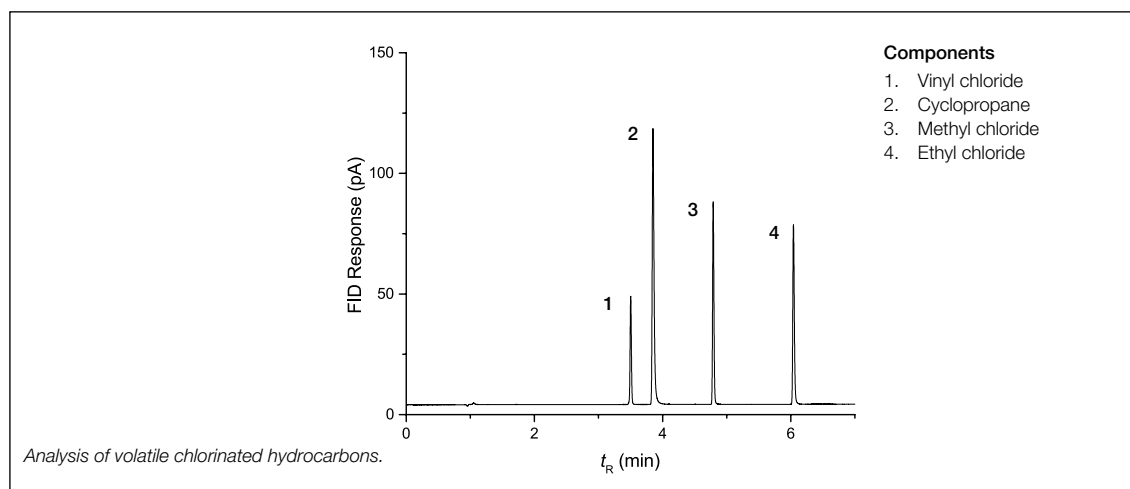
BP BOND PLOT columns are available in three different phases:

- BP BOND Q for volatile solvents and hydrocarbons.
- BP BOND U for trace hydrogen sulfide (H₂S), carbonyl sulfide (COS) and mercaptans in hydrocarbon streams.
- BP BOND Molsieve 5A for permanent gases, refinery and natural gases.

BP BOND Q

Highly stable column for non-polar and semi-volatile compounds

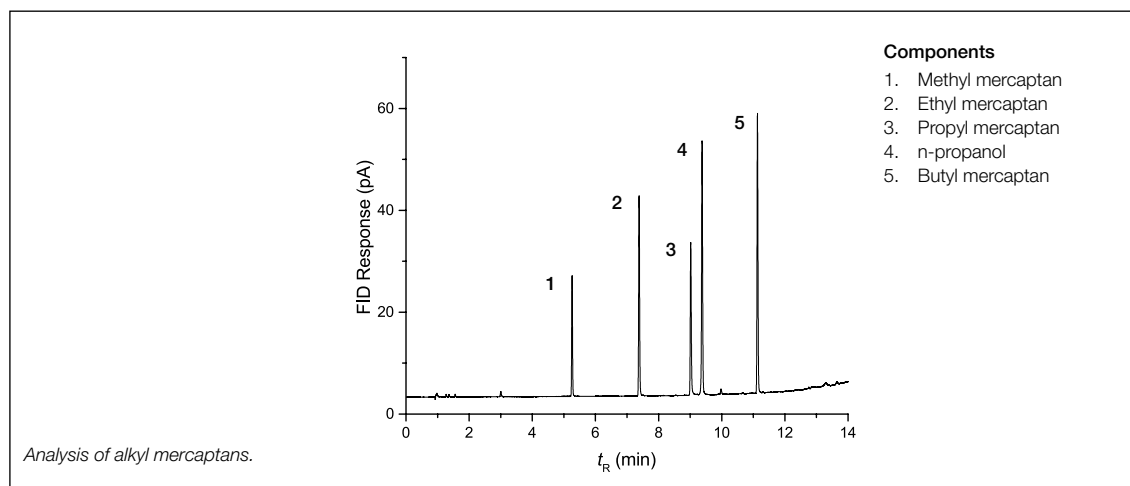
Column part number	0570235		
Phase	BP BOND Q	Detector	FID, 250°C
Column	25 m x 0.32 mm x 5 µm	Carrier gas	He
Sample	Volatile chlorinated hydrocarbons 100 ppm each	Carrier gas flow	30 mL/min
		Injection mode	Split/splitless
Initial temperature	250°C		



BP BOND U

Highly polar column for polar and non-polar volatiles

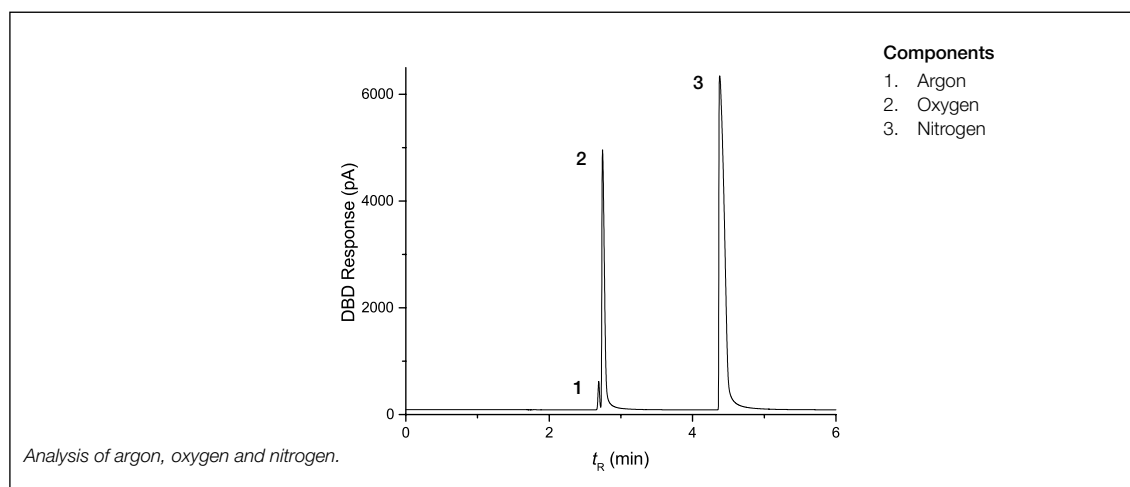
Column part number	0571237		
Phase	BP BOND U	Detector	FID, 250°C
Column	25 m x 0.32 mm x 7 µm	Carrier gas	He
Sample	Alkyl mercaptans 100 ppm each	Carrier gas flow	30 mL/min
Initial temperature	250°C	Injection mode	Split/splitless



BP BOND Molsieve 5A

High resolution analysis of permanent gases

Column part number	0572233		
Phase	BP BOND Molsieve 5A	Final temperature	150°C
Column	25 m x 0.32 mm x 30 µm	Detector	FID, 250°C
Sample	Argon, oxygen and nitrogen	Carrier gas	He
Initial temperature	60°C, 2 min	Carrier gas flow	30 mL/min
Rate	10°C/min	Injection mode	Split/splitless



Trajan Scientific and Medical

Science that benefits people

Trajan is actively engaged in developing and delivering solutions that have a positive impact on human wellbeing. Our vision revolves around collaborative partnerships that improve workflows, delivering better results.