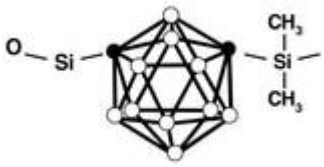
Product Information

May 2025

Unique PCB separation with Trajan HT8 columns

With the HT8 phase, Trajan offers a special phase that enables excellent separations of polychlorinated biphenyls (PCBs). In addition to these persistent pollutants, whose presence in old buildings and electronic waste continues to require sensitive and powerful separation and analysis methods, this phase can also be used to quickly and safely separate nitroaromatics, polycyclic aromatic hydrocarbons and various pesticides and herbicides. In short, this phase makes an important contribution across pollutant and environmental analysis. CS-Chromatographie Service GmbH offers HT8 columns as well as the rest of the Trajan program and presents a brief overview of these columns below.



- 8 % Phenyl-Carborane special phase
- High temperature resistant (–20 °C up to 360/370 °C)
- Separation by ortho ring substitution and boiling point
- Preferred column for PCB analysis
- All-rounder for environmental analysis

Separation of PCB isomers on Trajan HT8-PCB

Column:	HT8-PCB 60 m x 0.25 mm
P/N:	060054236
Carrier Gas:	He
Injector Temp.:	280 °C
Temp. Program:	100 °C (1 min), 20 °C/min to 180 °C, 0 min, 2 °C/min to 260 °C, 0 min, 5 °C/min to 300 °C, 0 min, 10 °C/min to 320 °C, 5 min
Detector:	Orbitrap MS/MS

More information about separation conditions, sample and more isomers in the Trajan application:
https://www.trajanscimed.com/products/an-0227-g

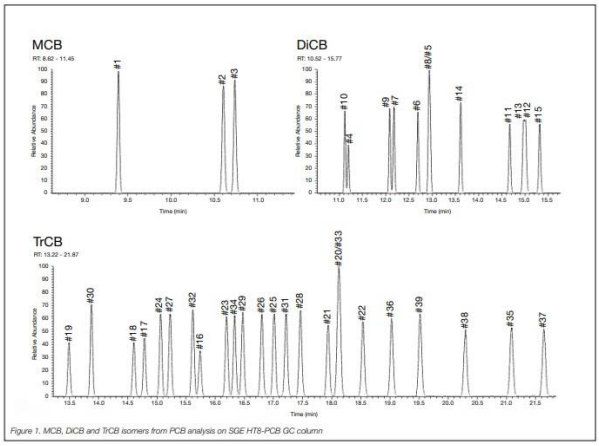


Figure 1. MCB, DiCB and TrCB isomers from PCB analysis on SGE HT8-PCB GC column

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Product Information

GC-Trajan-CS-E

May 2025

OptChem liners for clean results

The new OptChem liner series from SGE (a Trajan brand since 2013) offers high quality deactivated liners in many color-coded geometries. These are individually packaged with pre-assembled O-rings for installation without the risk of contamination due to unnecessary handling of the liners.

- Common liner geometries, color coded for quick identification

- Immediately ready for use

- High quality deactivation

Many geometries are available. We would be happy to advise you on your selection.

Precision and reproducibility: SGE syringes

For many years, SGE syringes have stood for high-quality workmanship, precise measurements and reproducible results. Whether for manual injection, autosampler or even for special applications: you will find what you are looking for in the SGE/Trajan range!

- Proven syringes for gas chromatography

- Large selection of designs and volumes

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Connect your capillary columns quickly and safely – SilTite GC connectors

It's not just about the right column; it must also be connected easily and reliably. Here too, Trajan offers a suitable solution with SilTite connections.

- Easy installation

- Long lifespan

- Reliable, tight connection

- MS suitable

SilTite FingerTite fittings are available for Agilent, PerkinElmer, Shimadzu, Thermo Scientific and Varian/Bruker instruments, each with 0.4 mm, 0.5 mm or 0.7 mm bores.

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