



**Thermo Scientific TraceGOLD**  
GC Column with SafeGuard



Extend column lifetime

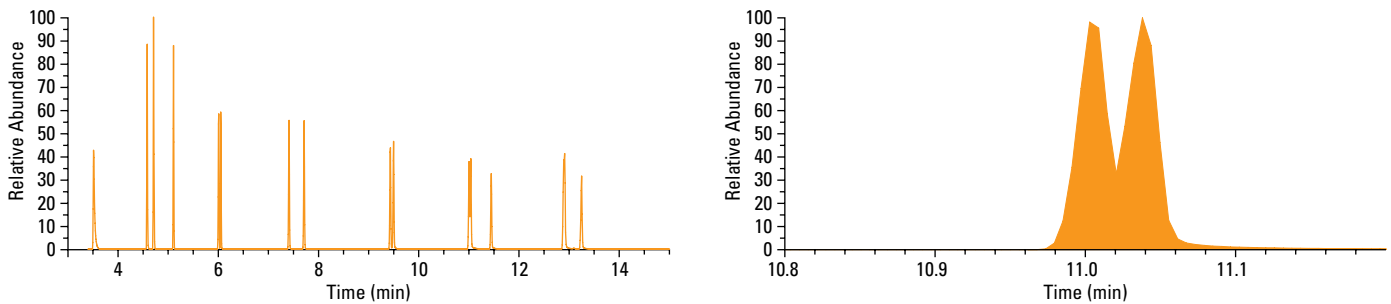
**without compromising  
performance**

You want to extend the life of your columns, but you don't want to impact the chromatographic performance. TraceGOLD GC Column with SafeGuard is designed for you.

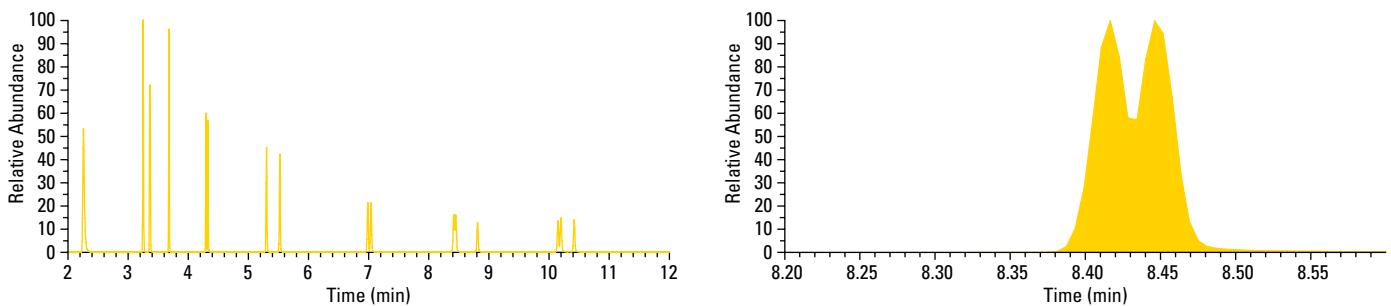
**Thermo**  
SCIENTIFIC

# Prolong column life

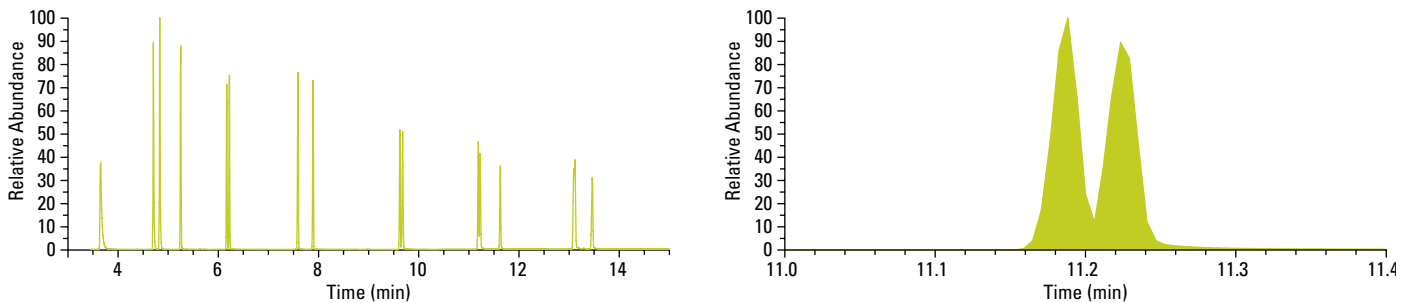
The innovative TraceGOLD™ GC Column with SafeGuard features an integrated guard column. Guard columns are typically used to extend the lifetime of the analytical column. During routine maintenance of a GC system, a section of the front end of the column is cut off. This shortens the column and eventually impacts the chromatographic performance. Using a TraceGOLD GC Column with SafeGuard means you can cut your column with no impact on performance.



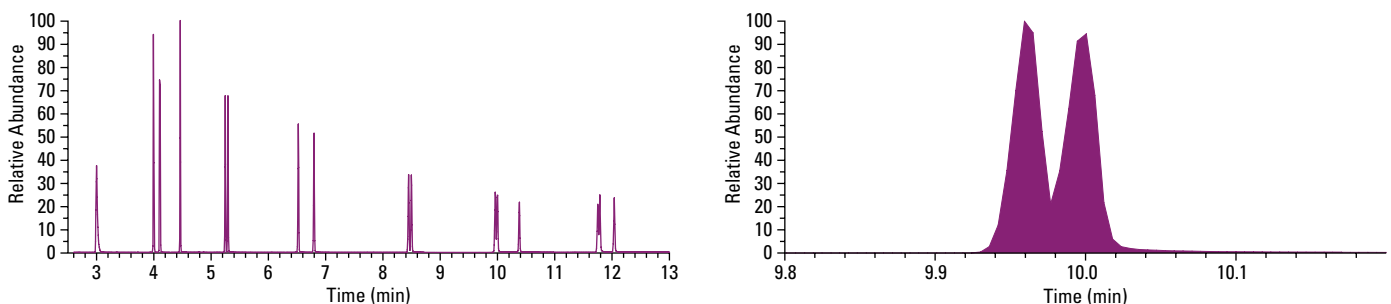
**Figure 1:** Left: TIC for the standard 5% phenyl column showing initial trace before cutting; Right: Close up of BK resolution in above trace. A standard 5% phenyl column was compared with a TraceGOLD GC Column with SafeGuard. In both cases, the columns were analysed pre-cut and after 13m of the column had been cut.



**Figure 2:** Left: TIC for standard 5% phenyl column after cutting 13m off column; Right: Close up of BK resolution in above trace. A significant drop in resolution is seen after cutting the column.



**Figure 3:** Left: TIC for the new TraceGOLD GC Column with SafeGuard showing initial trace before cutting; Right: Close up of BK resolution in above trace.



**Figure 4:** Left: TIC for the new TraceGOLD GC Column with SafeGuard after cutting 13m off column; Right: Close up of BK resolution in above trace. A minimal drop in resolution is seen after cutting the column.

# Deliver the highest quality analysis every time

Leveraging over 30 years of chromatography expertise, we continue to set the GOLD standard for chromatography consumables. TraceGOLD GC Column with SafeGuard is ideally suited for applications in the environmental, forensics, food safety, and petrochemical industries.

Uses	TG-1MS Column	TG-5MS Column	TG-5SILMS Column	TG-WAXMS Column
Solvent Impurities	•	•	•	
PCB Components	•	•	•	
Essential Oils	•	•	•	
Hydrocarbons	•	•	•	•
Semi-volatiles	•	•	•	
Pesticides	•	•	•	
Drugs of Abuse	•	•	•	
Refinery Gases	•			
Phenols				•
Amines				•
PAHs				•



# TraceGOLD GC Column with SafeGuard

## Ordering Information

TraceGOLD GC Column	Phase Dimensions	SafeGuard Length	Part Number
TG-1MS	30m x 0.25mm x 0.25µm	5m	<b>26099-1425</b>
TG-1MS	30m x 0.53mm x 1.00µm	5m	<b>26099-2985</b>
TG-1MS	30m x 0.53mm x 5.00µm	5m	<b>26099-4705</b>
TG-5MS	20m x 0.18mm x 0.18µm	5m	<b>26098-5785</b>
TG-5MS	15m x 0.25mm x 0.25µm	5m	<b>26098-1305</b>
TG-5MS	30m x 0.25mm x 0.10µm	5m	<b>26098-0475</b>
TG-5MS	30m x 0.25mm x 0.25µm	5m	<b>26098-1425</b>
TG-5MS	30m x 0.32mm x 0.25µm	5m	<b>26098-1435</b>
TG-5MS	30m x 0.25mm x 0.50µm	5m	<b>26098-2235</b>
TG-5SILMS	15m x 0.25mm x 0.25µm	10m	<b>26096-1301</b>
TG-5SILMS	30m x 0.25mm x 0.25µm	5m	<b>26096-1425</b>
TG-5SILMS	30m x 0.25mm x 0.25µm	10m	<b>26096-1421</b>
TG-5SILMS	30m x 0.25mm x 0.50µm	5m	<b>26096-2235</b>
TG-5SILMS	30m x 0.32mm x 0.50µm	5m	<b>26096-2245</b>
TG-WAXMS	15m x 0.25mm x 0.25µm	5m	<b>26088-1305</b>
TG-WAXMS	30m x 0.25mm x 0.25µm	10m	<b>26088-1421</b>
TG-WAXMS	30m x 0.32mm x 0.25µm	5m	<b>26088-1435</b>

## Discover these great resources:

Chromatography Resource Center  
Search our database of over 4000 applications

[www.thermoscientific.com/chromatography](http://www.thermoscientific.com/chromatography)



Chromatography Videos  
Learn more about chromatography

What are these codes? Visit [www.thermoscientific.com/codes](http://www.thermoscientific.com/codes)

For more information, visit [www.thermoscientific.com/chromatography](http://www.thermoscientific.com/chromatography) or talk with your account representative.

© 2011 Thermo Fisher Scientific Inc. All trademarks are the property of Thermo Fisher Scientific Inc. and its subsidiaries.  
Specifications, terms and pricing are subject to change. Not all products are available in all countries. Please consult your local sales representative for details.

**USA and Canada** +1 800 332 3331  
**France** +33 (0)1 60 92 48 34  
**Germany** +49 (0) 2423 9431 -20 or -21  
**Switzerland** +41 56 618 41 11  
**United Kingdom** +44 1928 534110  
**Japan** +81 3 5826 1615

**China** +86-21-68654588 or +86-10-84193588  
1 800-810-5118  
**India** 1 800 22 8374 (toll-free) or +91 22 6716 2200  
**Australia** 1300 735 292 (free call domestic)  
**New Zealand** 0800 933 966 (free call domestic)  
**All Other Enquiries** +44 (0) 1928 534 050

**Technical Support**  
**North America** +1 800 332 3331  
**Outside North America** +44 (0) 1928 534 440

**Thermo**  
SCIENTIFIC  
Part of Thermo Fisher Scientific