

# GC Application

ID No.: 26056

## GC-MS/MS Separation of 2,3,7,8-Tetrachlorodibenzofuran (TCDF) from its isomers on ZB-Dioxin GC column with

**Column:** Zebtron<sup>™</sup> ZB-Dioxin w/GUARDIAN<sup>™</sup>, 5 m. GC Cap. Column 60 m x 0.25 mm x 0.20 µm, E

**Phase:**

**Dimensions:** 60 meters x 0.25 mm x 0.2 µm

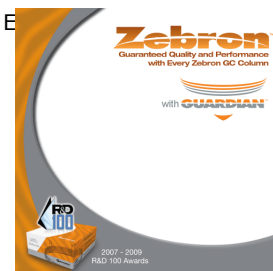
**Order No:** 7KG-G045-10-GGA

**Oven Profile:** to 220°C @ 30°C/min 220°C for 15.5 min to 240°C @ 2°C/min 240°C for 4.5 min to 270°C @ 5°C/min 270°C for 5 min to 330°C @ 15°C/min

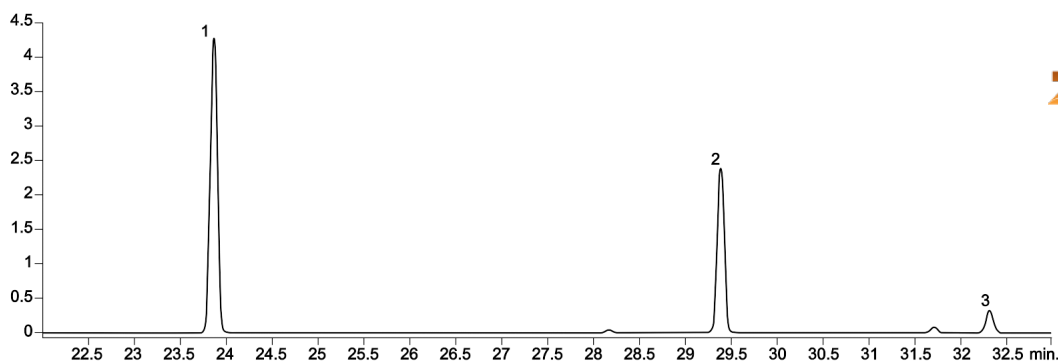
**Carrier Gas:** Constant Flow Helium, 1.056 mL/min

**Injection:** Splitless :1 1 µL @ 330°C

**Detection:** GC/MS/MS (340°C)



Products used in this application:



### ANALYTES:

- 1** 1,3,6,8-TCDF  
Retention Time: 23.7 min
- 2** 2,3,7,8-TCDF  
Retention Time: 29.4 min
- 3** 1,2,8,9-TCDF  
Retention Time: 32.4 min

