

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

Column: Zebtron™ ZB-Dioxin w/GUARDIAN™, 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

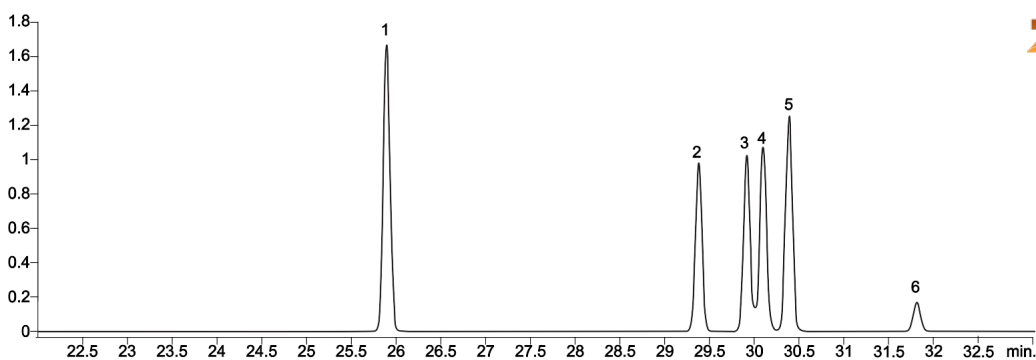
Carrier Gas: Constant Flow Helium, 1.056 mL/min

Injection: Splitless :1 1 µL @ 330°C

Detection: GC/MS/MS (340°C)



Products used in this application:



ANALYTES:

- 1** 1,3,6,8-TCDD
Retention Time: 25.56 min
- 2** 1,2,3,4-TCDD
Retention Time: 29.3 min
- 3** 1,2,3,7 / 1,2,3,8-TCDD
Retention Time: 29.5 min
- 4** 1,2,3,9-TCDD
Retention Time: 30.3 min
- 5** 2,3,7,8-TCDD
Retention Time: 30.38 min
- 6** 1,2,8,9-TCDD
Retention Time: 31.7 min

