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: Phase:	Zebron [™] ZB-Dioxin w/GUARDIAN [™] , 5 m. GC Cap. Column 60 m x 0.25 mm x 0	0.20 μm, E
Dimensions: Order No: Oven Profile:	60 meters x 0.25 mm x 0.2 μm 7KG-G045-10-GGA 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	with GUARDIAN
Carrier Gas: Injection: Detection:	Constant Flow Helium, 1.056 mL/min Splitless :1 1 µL @ 330°C GC/MS/MS (340°C)	2007-2009 RED TO Margins Products used in this application:
4.5 4_ 3.5_ 3_	1	Zebron
3_ 2.5_	2	

27.5 28 28.5 29 29.5 30 30.5 31

31.5 32 32.5 min.

27

ANALYTES:

1,3,6,8-TCDF 1 Retention Time: 23.7 min

2 2,3,7,8-TCDF Retention Time: 29.4 min

2-1.5-1 0.5 0

23 23.5

22.5

24.5 25

24

25.5 26 26.5

3 1,2,8,9-TCDF Retention Time: 32.4 min

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