GC Application ID No.: **26065**



GC-MS/MS Separation of HeptachlorodibenzoDioxin (HpCDD) on ZB-Dioxin GC column with 5m Zebron Guardian-

Zebron™ 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 220°C @ 30°C/min 220°C

for 15.5 min to 240°C @ 2°C/min 240°C for 4.5 min to 240°C @ 2°C/min

Carrier Gas: Constant Flow Helium, 1.056 mL/min

49

48.8

49.2

49.4

49.6

49.8

50

50.2

50.4

50.6

50.8

51.2

51.4 min.

Injection: Splitless: 1 1 µL @ 330°C

GC/MS/MS (340°C) **Detection:**

> 2.8-2.6-2.4 2.2

0.8-0.6 0.4 0.2



Products used in this application:



ANALYTES:

1,2,3,4,6,7,9-HpCDD

Retention Time: 49.3 min

48.2

48.4

2 1,2,3,4,6,7,8-HpCDD

Retention Time: 50.1 min

