

PCB Congeners Analysis

Stx™-500 (Crossbond® carborane/dimethyl polysiloxane)

- Application-specific columns for brominated flame retardants, coplanar PCB congeners, and other analytes with high boiling temperatures.
- Low bleed—ideal for GC/FPD, GC/NPD, or GC/MS analyses.
- Stable to 380°C.
- Stx™ is used for columns that have been deactivated using Restek's Siltek® deactivation.

The Stx™-500 column gives excellent results for neutral or slightly acidic compounds. It is not recommended for analyses of basic compounds.

Stx™-500 Columns (fused silica)

(Crossbond® carborane/dimethyl polysiloxane)

ID	df (µm)	temp. limits*	30-Meter	60-Meter
0.25mm	0.15	-60°C to 380°C	10750	10751
0.53mm	0.15	-60°C to 380°C	10752	

*Maximum temperatures listed are for 15- and 30-meter lengths. Longer lengths may have a slightly reduced maximum temperature.

similar **phase**

HT-8

Dioxin & Furan Congeners Analysis

Rtx®-Dioxin (proprietary Crossbond® phase)

- Replacement column for 5% diphenyl phases.
- Improved separations of dioxin or furan congeners.
- Greater thermal stability than 5% diphenyl phases or high-cyano confirmation columns.

Rtx®-Dioxin Columns (fused silica)

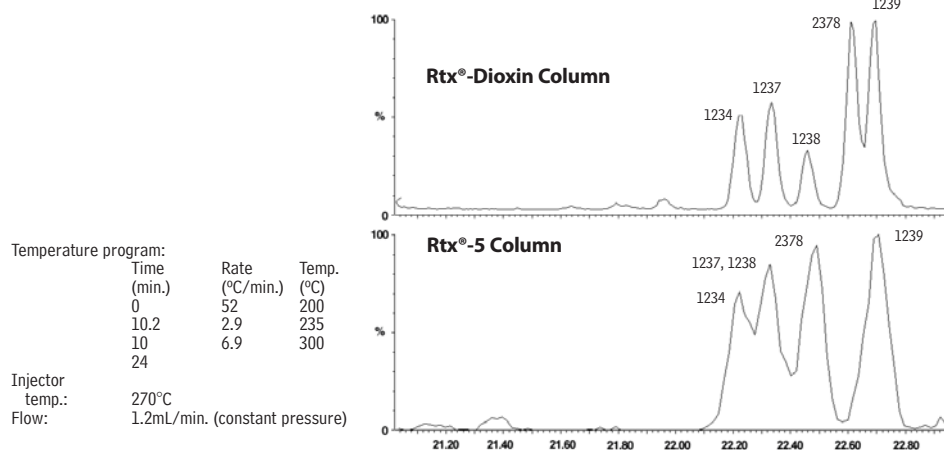
ID	df (µm)	temp. limits	60-Meter
0.25mm	0.15	-60°C to 380°C	10755

restek
innovation!

Rtx®-Dioxin column separates all five components in the TCDD resolution check mixture.

also **available**

Rtx®-Dioxin2 columns.
See **page 84**.



Column: Rtx®-Dioxin, 40m, 0.18mm ID, 0.11µm
Initial temp.: 130°C
Instrument: Micromass Altima high resolution GC/MS

Chromatography courtesy of Karen MacPherson and Eric Reiner, Ontario Ministry of the Environment, Etobicoke, ON, Canada.