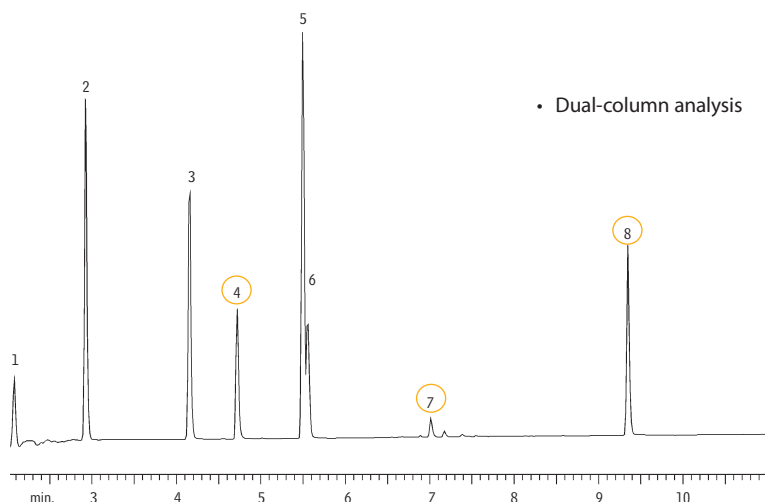


EDB/DBCP
US EPA Method 504.1
Rtx[®]-CLPesticides & Rtx[®]-CLPesticides2

Rtx[®]-CLPesticides



free literature

GC Analysis of US EPA Method 504.1
Organochlorine Pesticides, Using
the Rtx[®]-CLPesticides and
Rtx[®]-CLPesticides2 Columns

A versatile column pair for analyzing organochlorine pesticides, herbicides, or PCBs

Analysts following Method 504.1 in monitoring 1,2-dibromoethane (EDB), 1,2-dibromo-3-chloropropane (DBCP), and 1,2,3-trichloropropane (TCP) in drinking water will value Rtx[®]-CLPesticides and Rtx[®]-CLPesticides2 columns because this same primary column/confirmation column pair can be used to perform numerous related analyses: organochlorine pesticides (e.g., by EPA Method 608 or 8081), herbicides, or polychlorinated biphenyls (PCBs). Details in this 2-page note show EDB, DBCP, and TCP are fully resolved from common interference compounds, per requirements of Method 504.1.

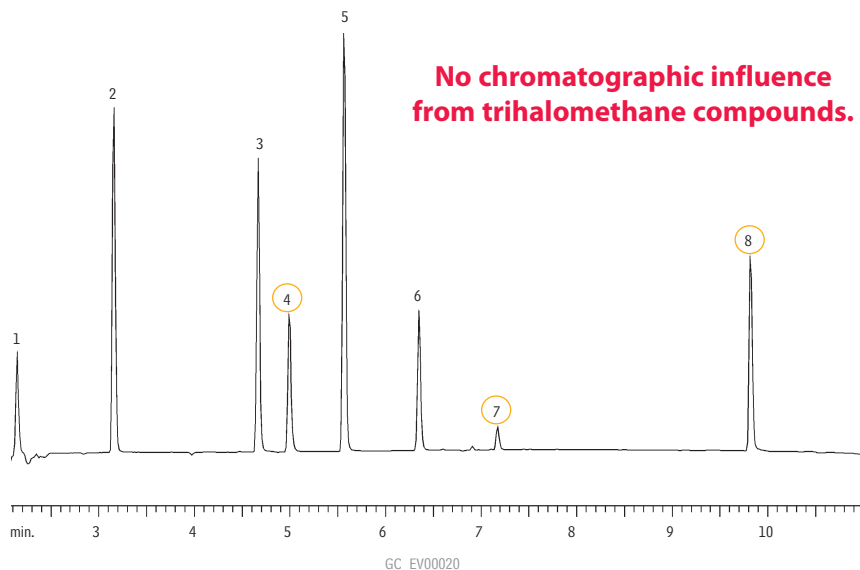
Applications Note
lit. cat.# 59539

Rtx[®]-CLPesticides and Rtx[®]-CLPesticides2 columns also are ideal for:

- Triazine herbicides (**lit. cat.# 59101**)
- PCBs (**lit. cat.# 59120**)
- Chlorinated pesticides (**lit. cat.# EVAN1197**)
- Chlorinated pesticides, PCBs, & chlorinated herbicides (**lit. cat.# EVFL1013**)

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Rtx[®]-CLPesticides2



1. chloroform
2. bromodichloromethane
3. chlorodibromomethane
4. 1,2-dibromoethane (EDB)
5. 1,1,1,2-tetrachloroethane
6. bromoform
7. 1,2,3-trichloropropane
8. 1,2-dibromo-3-chloropropane (DBCP)

Columns: Rtx[®]-CLPesticides, 30m, 0.32mm ID, 0.50 μ m (cat.# 11139), Rtx[®]-CLPesticides2, 30m, 0.32mm ID, 0.25 μ m (cat.# 11324), 0.32mm ID guard column (cat.# 10044), universal angled "Y" Press-Tight[®] connector (cat.# 20403)
 Inj. Direct injection using a Uniliner[®] inlet liner (cat.#20335)
 On-column conc.: 10pg each compound.
 Oven temp.: 35°C (hold 2 min.) to 300°C @ 12°C/min.
 Inj./det. temp.: 200°C/300°C
 Carrier gas: helium, 12psi constant pressure