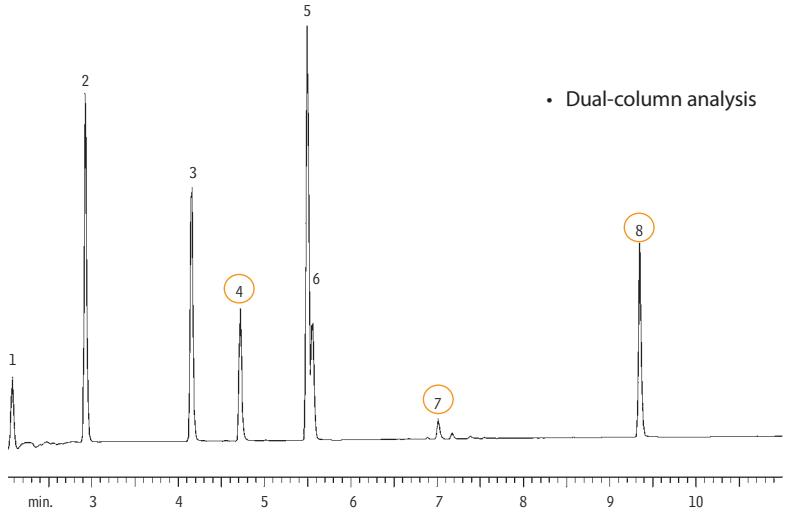
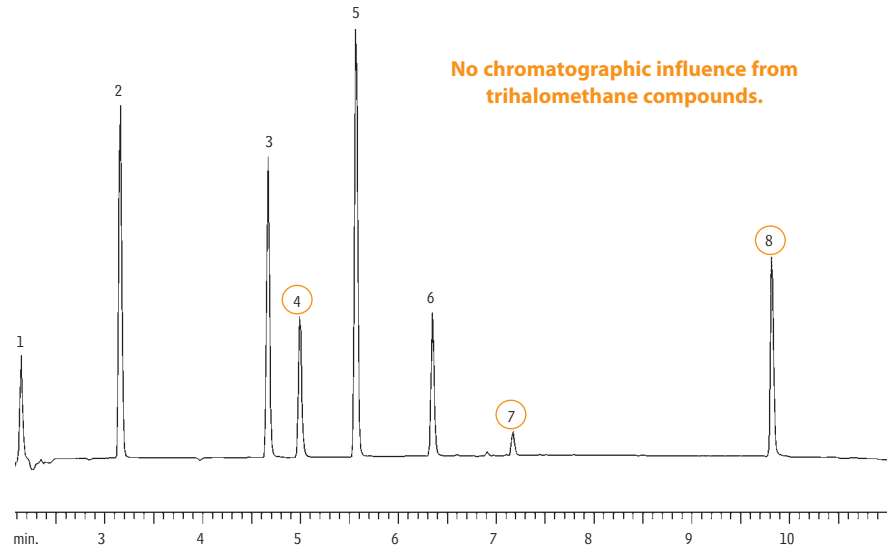
EDB/DBCP
US EPA Method 504.1
Rtx®-CLPesticides & Rtx®-CLPesticides2

Rtx®-CLPesticides



- Dual-column analysis

Rtx®-CLPesticides2



No chromatographic influence from trihalomethane compounds.

GC_EV00020

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, 0.50µm (cat.# 11139), Rtx®-CLPesticides2, 30m, 0.32mm ID, 0.25µm (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

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)***
- ***Haloacetic acids (lit. cat.# 59175)***
- ***Polynuclear aromatic hydrocarbons (lit. cat.# 59196A)***

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