

# GC Application

ID No.: 17909

## Organochloropesticides (OCP) and Polychlorinated Biphenyls (PCB) in Milk and Milk Products by GC/ECD

**Column:** Zebtron™ ZB-MultiResidue™-1, GC Cap. Column 30 m x 0.25 mm x 0.25 μm, Ea

**Phase:** Proprietary Pesticides Phase

**Dimensions:** 30 meters x 0.25 mm x 0.25 μm

**Order No:** 7HG-G016-11

**Oven Profile:** 100 °C for 2 min, with 30 °C/min to 160 °C, with 2 °C/min to 170 °C, with 4 °C/min to 190°C and 10 min hold, with

**Carrier Gas:** Constant Flow Hydrogen, 1.5 mL/min

**Injection:** Splitless :1 5 μL @ 50°C

**Detection:** Electron Capture (ECD) (300°C)

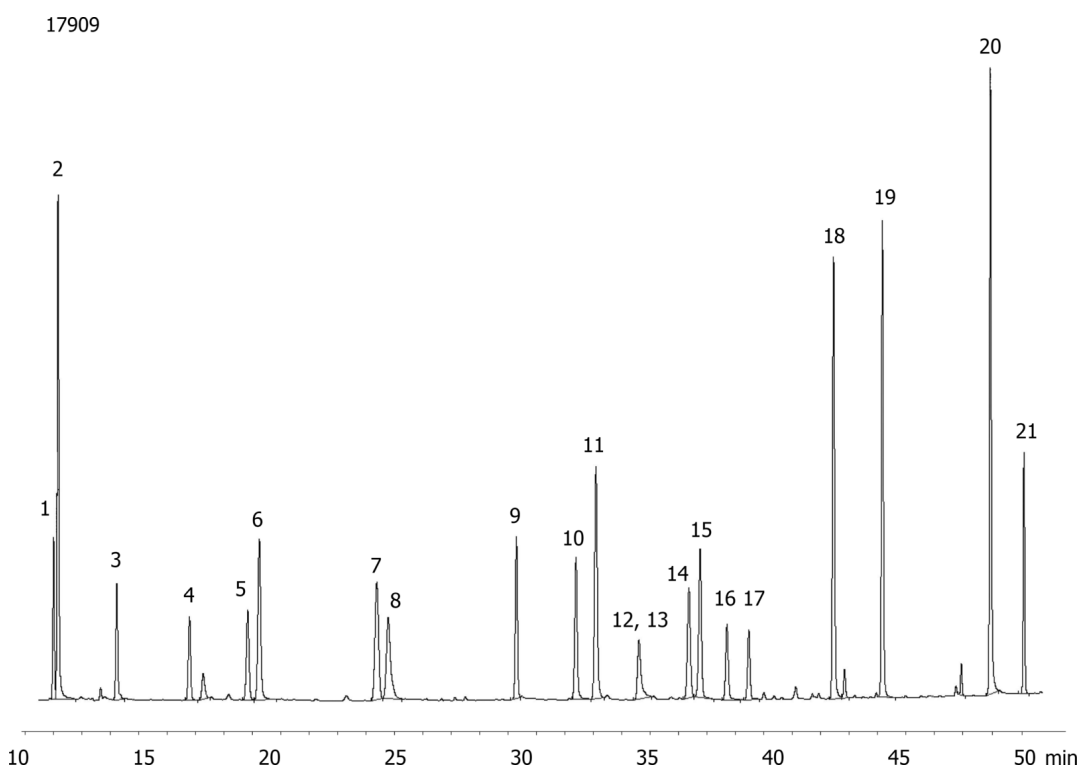
**Analyst Note:** The application was kindly provided by the MLF, Dr.-Oskar-Farny-Institute in Wangen, Germany.

Injector Gerstel-KAS3. Program: 50 °C with 12 °C/s to 300 °C, 3 min hold  
Solvent Venting Purge Time: 0.15 min, Splitless Time: 1 min, Equilibration Time 0.5 min, Initial Time: 0.15 min.

Concentration: 25 ppb each for OCP + PCB, 100 ppb for Nitrofen



Products used in this application:



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### ANALYTES:

- 1 alpha-HCH
- 2 Hexachlorobenzene
- 3 gamma-HCH
- 4 beta-HCH
- 5 delta-HCH
- 6 PCB 28
- 7 PCB 52
- 8 Aldrin
- 9 Heptachloro epoxide
- 10 2,4'-DDE (o,p-)
- 11 PCB 101
- 12 4,4'-DDE (p,p-)
- 13 Nitrofen
- 14 Dieldrin
- 15 2,4'-DDD (o,p-)
- 16 Endrin
- 17 4,4'-DDD (p,p-)
- 18 PCB 153
- 19 PCB 138
- 20 PCB 180
- 21 Mirex

