## Separation of dioxins

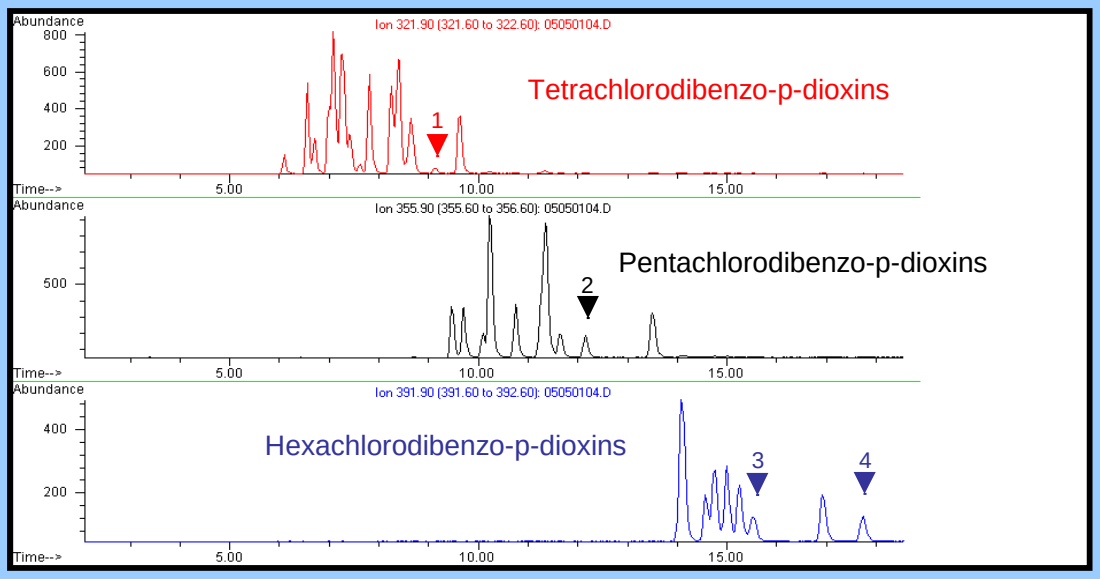


**Figure**: GC/MSD/EISIM TIC showing the isolation of 2,3,7,8-substituted-, tetra-, penta-, and hexa-chlorodibenzo-p-dioxins. One ion (M+2 or M+4) for each congener was monitored (321.9 for TCDD, 355.9 for P5CDD, and 391.9 for H6CDD).
**Column:** LC-50, 10m x 0.10mm x 0.10 µm film thickness. Part No. 6010 10010.
**Chromatographic Conditions:** Oven Temperature $100^0$C, programmed to $170^0$C @ $40^0$C/min, then to $270^0$C @ $3^0$C/min, hold 10 minutes at $270^0$C.
**Upper:** 2,3,7,8-TCDD at 9.14 minutes (peak 1)
**Middle:** 1,2,3,7,8-P5CDD at 12.17 minutes (peak 2)
**Lower:** 1,2,3,4,7,8-H6CDD and 1,2,3,6,7,8-H6CDD at 15.55 minutes (peak 3) and 1,2,3,7,8,9-H6CDD at 17.76 minutes (peak 4).