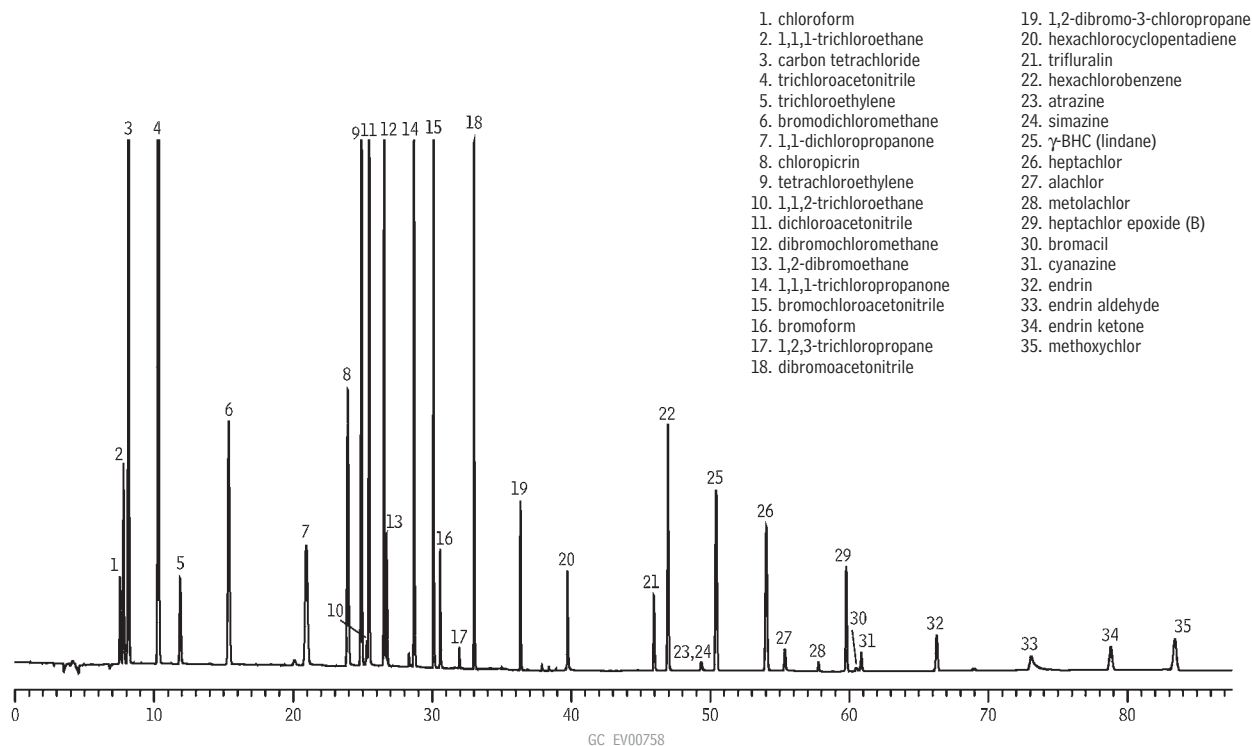


## Chlorinated Disinfection Byproducts, Chlorinated Solvents, and Halogenated Pesticides

## US EPA Method 551.1

## Rtx®-1301



1. chloroform
2. 1,1,1-trichloroethane
3. carbon tetrachloride
4. trichloroacetonitrile
5. trichloroethylene
6. bromodichloromethane
7. 1,1-dichloropropanone
8. chloropicrin
9. tetrachloroethylene
10. 1,1,2-trichloroethane
11. dichloroacetonitrile
12. dibromochloromethane
13. 1,2-dibromoethane
14. 1,1,1-trichloropropanone
15. bromochloroacetonitrile
16. bromoform
17. 1,2,3-trichloropropane
18. dibromoacetonitrile
19. 1,2-dibromo-3-chloropropane
20. hexachlorocyclopentadiene
21. trifluralin
22. hexachlorobenzene
23. atrazine
24. simazine
25.  $\gamma$ -BHC (lindane)
26. heptachlor
27. alachlor
28. metolachlor
29. heptachlor epoxide (B)
30. bromacil
31. cyanazine
32. endrin
33. endrin aldehyde
34. endrin ketone
35. methoxychlor

Column: Rtx®-1301, 30m, 0.25mm ID, 1.0 $\mu$ m (cat.# 16053)  
 Sample: 5 - 10 $\mu$ g/mL each analyte (Method 551.1 Pesticide/Herbicide Mix (cat.# 32438) and Disinfection Byproducts & Chlorinated Solvents Mix (cat.# 30615))  
 Inj.: 1.0 $\mu$ L splitless (hold 0.5 min.), 4mm split injection liner w/wool (cat.# 20781)  
 Inj. temp.: 200°C  
 Carrier gas: helium, constant pressure  
 Linear velocity: 30cm/sec. @ 35°C  
 Oven temp.: 35°C (hold 22 min.) to 145°C @ 10°C/min. (hold 2 min.)  
 to 225° @ 20°C/min. (hold 15 min.) to 260° @ 10°C/min. (hold 30 min.)  
 Det.: ECD @ 290°C

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