

Determination of Halogenated Hydrocarbons in Water



Application Note

AN0045

SCION GC-HS-MS

GC-HS-MS conditions

HS	80°C, 30min
Injector	170°C, 0.6:1
Sample	14mL +7g Na ₂ SO ₄ in 20mL vial
Column	SCION-624MS 60m x 0.32mm x 1.8µm
Oven	45°C (10mins) to 70°C at 2°C/min, 70°C to 160°C at 1°C/min, 160°C to 200°C at 30°C/min
Carrier Gas	Helium 0.5mL/min
MS	230°C

Peak Identification

1	Toluene-d8	17	tetrachloroethene
2	Trichlorofluoromethane	18	Ethylbenzene
3	Dichloromethane	19	m/p-xylene
4	t-1,2-dichloroethene	20	Bromoform
5	1,1-dichloroethane	21	Styrene
6	c-1,2-dichloroethane	22	1,1,2,2-tetrachloroethane
7	Chloroform	23	o-xylene
8	1,2-dichloroethane	24	Isopropylbenzene
9	1,1,1-trichloroethane	25	N-propylbenzene
10	Tetrachloromethane	26	3-ethyltoluene
11	Benzene	27	4-ethyltoluene
12	Trichloroethene	28	1,3,5-trimethylbenzene
13	Bromodichloromethane	29	2-ethyltoluene
14	Toluene	30	1,2,4-trimethylbenzene
15	Trichloronitromethane	31	1,2,3-trimethylbenzene
16	dibromochloromethane		

