

C₁ and C₂ Halocarbons (Freons®)

Column: GS-GasPro
 60 m x 0.32 mm I.D.
J&W P/N: 113-4362
Carrier: Helium at 35 cm/sec
 constant velocity
Oven: 40°C for 2 minutes,
 40-120 at 10°/min,
 120° for 3 min,
 120-200 at 10°/min
Injector: 250°C, Splitless,
 0.20 min purge activation time,
 1.0 µL of 100 ppm mixture
 of Accustandard M-REF &
 M-REF-X in methanol
Detector: Shimadzu QP5050A MSD,
 280°C, full scan 45-180 amu

Peak #	Condition	Freon #
1.	Chlorotrifluoromethane	13 (peak not shown)
2.	Trifluoromethane	23
3.	Bromotrifluoromethane	13B1
4.	Chloropentafluoroethane	115
5.	Pentafluoroethane	125
6.	1,1,1-Trifluoroethane	143a
7.	Dichlorodifluoromethane	12
8.	Chlorodifluoromethane	22
9.	1,1,1,2-Tetrafluoroethane	134a
10.	Chloromethane	40
11.	1,1,2,2-Tetrafluoroethane	134
12.	Bromochlorodifluoromethane	12B1
13.	1,1-Difluoroethane	152a
14.	1,2-Dichloro-1,1,2,2-tetrafluoroethane	114
15.	2-Chloro-1,1,1,2-tetrafluoroethane	124
16.	1-Chloro-1,1-difluoroethane	142b
17.	Dichlorofluoromethane	21
18.	Trichlorofluoromethane	11
19.	Chloroethane	160
20.	Dichloromethane	
21.	1,1-Dichloro-1-fluoroethane	141b
22.	2,2-Dichloro-1,1,1-trifluoroethane	123
23.	1,1,2-Trichloro-1,2,2-trifluoroethane	113
24.	1,2-Dibromo-1,1,2,2-tetrafluoroethane	114B2

