

VertiBond™ 1701

VertiBond™ 1701 Capillary Columns

- 14% Cyanopropylphenyl, 86% Dimethylpolysiloxane
- Intermediate polar stationary phase
- High temperature range
- High efficiency, high inertness columns

VertiBond™ 1701 column contains 14% Cyanopropylphenyl, 86% Dimethylpolysiloxane stationary phases. This intermediate polarity phase offers high selectivity for environmental, food and beverage, and pharmaceutical applications.



VertiBond™ 1701 Capillary Columns

Length (m)	I.D. (mm)	Film (µm)	Temp. Limits (°C)	Part No.	
10	0.25	0.20	280/300	0412-2040	
	0.53	1.20	260/280	0412-5120	
15	0.25	0.10	280/300	0412-2001	
		0.15	280/300	0412-2021	
		0.20	280/300	0412-2041	
		0.25	280/300	0412-2051	
	0.53	0.50	280/300	0412-2091	
		1.00	280/300	0412-2111	
		0.10	280/300	0412-3001	
		0.15	280/300	0412-3021	
25	0.25	0.15	280/300	0412-2022	
		0.20	280/300	0412-3042	
		0.32	0.30	280/300	0412-3062
		0.53	1.20	260/280	0412-5122
	0.53	0.10	260/280	0412-5001	
		0.25	260/280	0412-5051	
		0.50	260/280	0412-5091	
		1.00	260/280	0412-5111	
30	0.25	0.10	260/280	0412-5121	
		1.50	260/280	0412-5151	
		0.15	280/300	0412-2023	
		0.25	280/300	0412-2053	
	0.32	0.50	280/300	0412-2093	
		1.00	280/300	0412-2113	
		0.10	280/300	0412-3003	
		0.15	280/300	0412-3023	
0.50	0.25	280/300	0412-3053		
	0.50	280/300	0412-3093		

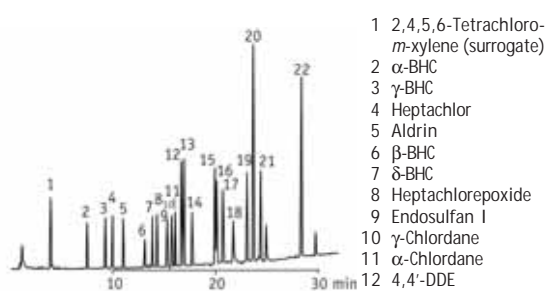
VertiBond™ 1701 Specifications

Phase:	14% Cyanopropylphenyl, 86% Dimethylpolysiloxane
Polarity:	Intermediate Polar
USP Designation:	n/a
Ideal for:	Pesticides, PCBs, Drugs, Herbicides, and TMS Sugars

VertiBond™ 1701 equivalent phase

Restek	Rtx-1701
Agilent	HP-1701, DB-1701
Supelco	SPB-1701
Alltech	AT-1701
SGE	BP-10
Varian	CP-SIL19CB01
Ohio Valley	OV-1701
Phenomenex	ZB-1701

Organochlorine Pesticides



Column: VertiBond™ 1701,
30 m x 0.53 mm,
0.25µm
Part No.: 0412-5053
Temp: 150°C (hold 5 min)
to 275°C
at 4°C/min (hold 5 min)
Injector: 1µL direct injection
at 200°C/275°C
Detector: ECD
Carrier Gas: Helium 40cm/sec

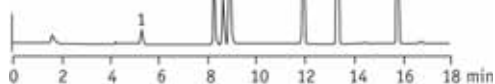
- 2,4,5,6-Tetrachloro-*m*-xylene (surrogate)
- α-BHC
- γ-BHC
- Heptachlor
- Aldrin
- β-BHC
- δ-BHC
- Heptachlorepoxyde
- Endosulfan I
- γ-Chlordane
- α-Chlordane
- 4,4'-DDE
- Dieldrin
- Endrin
- 4,4'-DDD
- Endosulfan II
- 4,4'-DDT
- Endrin aldehyde
- Endosulfan sulfate
- Methoxychlor
- Endrin ketone
- Decachlorobiphenyl (Surrogate)

VertiBond™ 1701 Capillary Columns

Length (m)	I.D. (mm)	Film (µm)	Temp. Limits (°C)	Part No.	
30	0.32	1.00	280/300	0412-3113	
		0.53	260/280	0412-5003	
	0.10	0.25	260/280	0412-5053	
		0.50	260/280	0412-5093	
		1.00	260/280	0412-5113	
		1.20	260/280	0412-5123	
50	0.25	0.20	280/300	0412-2044	
		0.30	280/300	0412-3064	
	0.25	280/300	0412-2005		
60	0.25	0.15	280/300	0412-2025	
		0.25	280/300	0412-2055	
		0.50	280/300	0412-2095	
		1.00	280/300	0412-2115	
		0.32	0.10	280/300	0412-3005
		0.15	280/300	0412-3025	
	0.53	0.25	0.25	280/300	0412-3055
			0.50	280/300	0412-3095
		1.00	280/300	0412-3115	
		0.25	260/280	0412-5005	
		0.50	260/280	0412-5055	
		1.50	260/280	0412-5155	

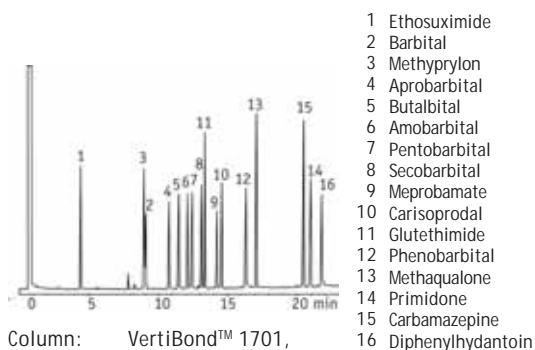
Haloacetic Acids

1. Monochloroacetic Acid
2. Monobromoacetic Acid
3. Dalapon
4. Dichloroacetic Acid
5. Trichloroacetic Acid
6. Bromochloroacetic Acid
7. Dibromoacetic Acid



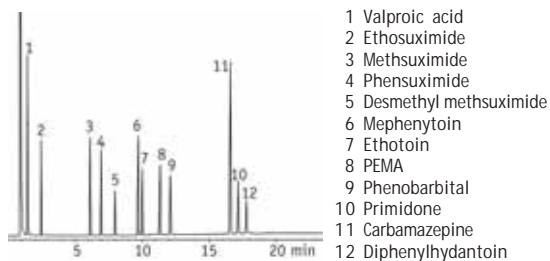
Column: VertiBond™ 1701, 30m x 0.32mm, 0.25µm
 Part No.: 0412-3053
 Temp: 50°C (hold 10 min) to 120°C at 10°C/min
 Detector: ECD
 Carrier Gas: Helium at 35cm/sec

Underivatized Barbiturates



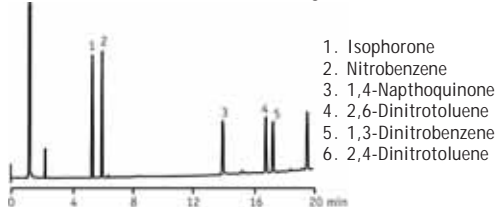
Column: VertiBond™ 1701, 15m x 0.53mm, 0.50µm
 Part No.: 0412-5093
 Temp: 150°C (hold 5 min) to 275°C at 4°C/min (hold 5 min)
 Injector: 1µL splitless injection, at 250°C/275°C (0.5 min hold)
 Detector: FID
 Carrier Gas: Helium 40cm/sec set at 100°C

Underivatized Antiepileptics



Column: VertiBond™ 1701, 15m x 0.32mm, 0.50µm
 Part No.: 0412-3091
 Temp: 150°C to 280°C at 7°C/min (hold 5 min)
 Injector: 1µL split injection at 250°C/270°C (Split ratio: 30:1)
 Detector: FID
 Carrier Gas: Helium 30cm/sec set at 150°C

Nitroaromatics and Cyclic Ketones



Column: VertiBond™ 1701, 30m x 0.53mm, 1.0µm
 Part No.: 0412-5113
 Temp: 120°C to 200°C at 3°C/min (hold 2 min)
 Injector: 1µL split injection (Split ratio: 30:1)
 Detector: FID
 Carrier Gas: Helium at 44cm/sec