

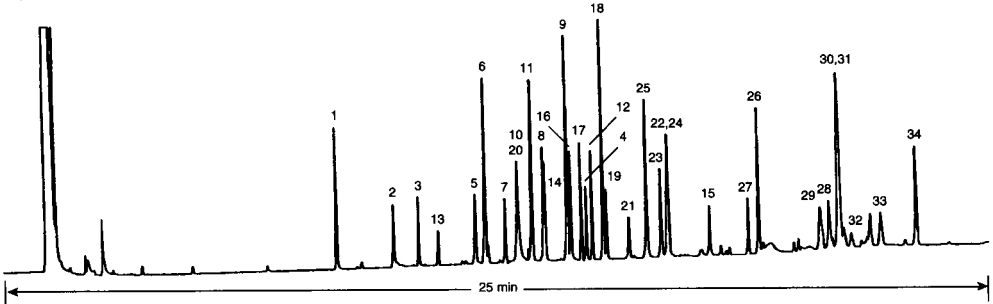
# Life Sciences

## Common Drug Screen

**Column:** DB-5  
 30 m x 0.25 mm id, 0.25 µm  
**P/N:** 122-5032  
**Column:** DB-17  
 30 m x 0.25 mm id, 0.25 µm  
**P/N:** 122-1732  
**Carrier:** Hydrogen at 41 cm/sec,  
 measured at 80°C  
**Oven:** 80°C for 1 min  
 80-280°C at 10°/min  
 280°C for 9 min  
**Injector:** Split 1:40, 250°C  
**Detector:** FID, 300°C

Peak	Drug	DB-17 Time	DB-5 Time
1.	Nicotine	9.87	8.57
2.	Phenmetrazine	11.80	9.95
3.	Ibuprofen	12.06	10.64
4.	Procaine	13.48	14.82
5.	Allobarbitol	13.91	12.02
6.	Aprobarbitol	14.14	12.27
7.	Butobarbitol	14.56	12.76
8.	Secobarbitol	14.87	14.31
9.	Pentobarbitol	15.41	13.73
10.	Phenacetin	15.72	12.94
11.	Amobarbitol	15.87	13.43
12.	Benzphetamine	16.14	14.96
13.	Acetaminophen	16.34	11.12
14.	Hydroxyphenamate	16.47	15.31
15.	Dimenhydrinate	16.93	13.79
16.	Meprobamate	17.12	14.44
17.	Benactyzine	17.26	14.71
18.	Hexobarbitol	17.52	15.22
19.	Doxylamine	17.69	15.87
20.	Caffeine	18.05	13.11
21.	Chlorpheniramine	18.47	16.35
22.	Methapyrilene	18.72	16.68
23.	Thenylidamine	18.87	16.85
24.	Phenobarbitol	19.11	16.29
25.	Brompheniramine	19.71	17.39
26.	Chlorcyclizine	20.75	19.13
27.	Cocaine	21.32	18.88
28.	Pyrobutamine	22.79	20.89
29.	Codeine	24.27	20.66
30.	Diazepam	25.27	21.13
31.	Morphine	25.36	21.12
32.	Hydrocodone	25.98	21.26
33.	Oxymorphone	28.27	22.21
34.	Heroin	29.32	23.14

DB-5



DB-17

