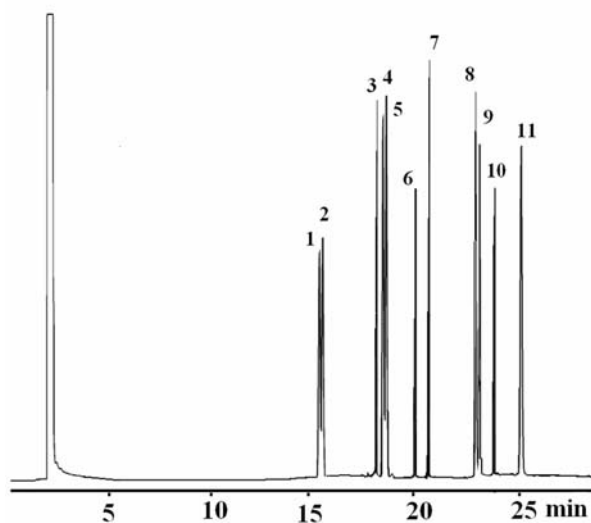


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● 环境

酚类



**Column:** KB-50 30m, 0.25mm ID, 0.25 $\mu$ m

**P/N:** 366612

Carrier: helium

Oven: 50 $^{\circ}$ C (hold 10 min.) to 250 $^{\circ}$ C  
at 15 $^{\circ}$ C/min. (hold 15 min.)

Injector: 260 $^{\circ}$ C

Detector: FID, 280 $^{\circ}$ C

1. phenol
2. 2-chlorophenol
3. 2,4-dimethylphenol
4. 2-nitrophenol
5. 2,4-dichlorophenol
6. 4-chloro-3-methylphenol
7. 2,4,6-trichlorophenol
8. 2,4-dinitrophenol
9. 4-nitrophenol
10. 2-methyl-4,6-dinitrophenol
11. pentachlorophenol

**Column:** KB-5 30m, 0.25mm ID, 0.25 $\mu$ m

**P/N:** 326612

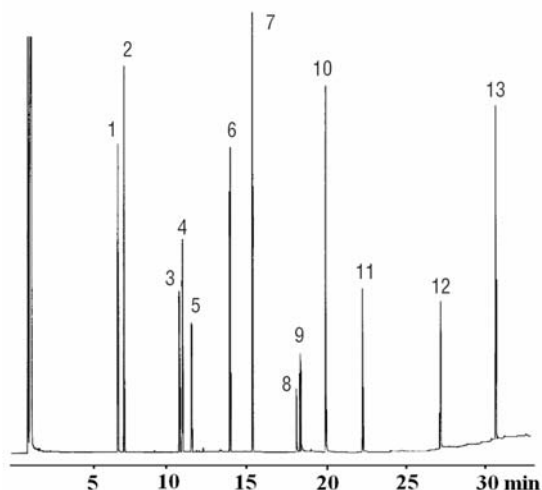
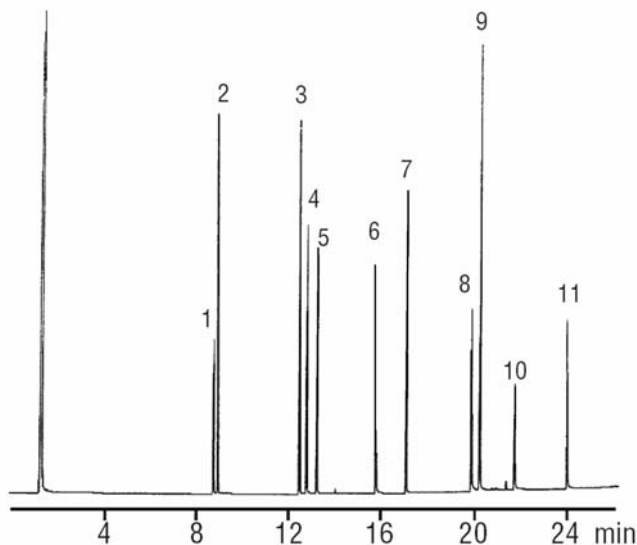
Carrier: hydrogen

Oven: 50 $^{\circ}$ C (hold 4 min.) to 250 $^{\circ}$ C at 8 $^{\circ}$ C/min.

Injector: 250 $^{\circ}$ C

Detector: FID, 250 $^{\circ}$ C

1. phenol
2. 2-chlorophenol
3. 2-nitrophenol
4. 2,4-dimethylphenol
5. 2,4-dichlorophenol
6. 4-chloro-3-methylphenol
7. 2,4,6-trichlorophenol
8. 2,4-dinitrophenol
9. 4-nitrophenol
10. 2-methyl-4,6-dinitrophenol
11. pentachlorophenol



**Column:** KB-5 30m, 0.32mm ID, 1.0 $\mu$ m

**P/N:** 326717

Carrier: hydrogen

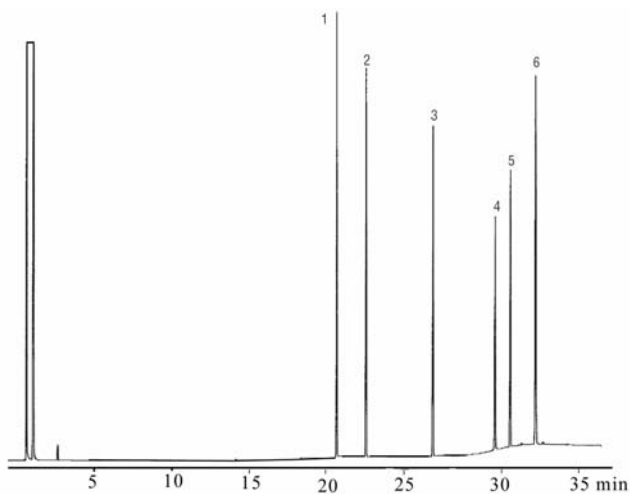
Oven: 110 $^{\circ}$ C to 290 $^{\circ}$ C at 8 $^{\circ}$ C/min.

Injector: 310 $^{\circ}$ C

Detector: FID, 310 $^{\circ}$ C

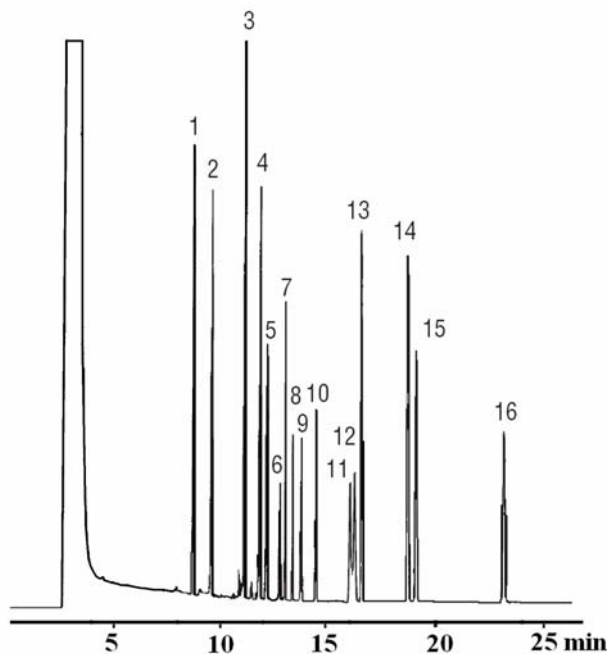
- |                                |                            |
|--------------------------------|----------------------------|
| 1. phenol                      | 2. 2-chlorophenol          |
| 3. 2-nitrophenol               | 4. 2,4-dimethylphenol      |
| 5. 2,4-dichlorophenol          |                            |
| 6. 4-chloro-3-methylphenol     |                            |
| 7. 2,4,6-trichlorophenol       |                            |
| 8. 2,4-dinitrophenol           | 9. 4-nitrophenol           |
| 10. 2-methyl-4,6-dinitrophenol |                            |
| 11. pentachlorophenol          |                            |
| 12. benzidine                  | 13. 3,3'-dichlorobenzidine |

酯类

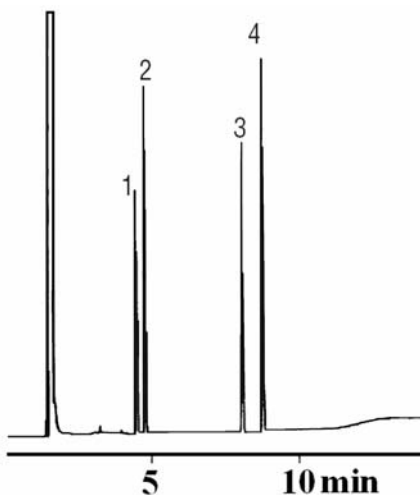


**Column:** KB-5,30m, 0.53mm ID, 1.0 $\mu$ m  
**P/N:** 326817  
 Carrier: hydrogen  
 Oven: 40 $^{\circ}$ C (hold 6 min.) to 300 $^{\circ}$ C  
 at 10 $^{\circ}$ C/min. (hold 15 min.)  
 Injector: 300 $^{\circ}$ C  
 Detector: FID,300 $^{\circ}$ C  
 1. dimethyl phthalate  
 2. diethyl phthalate  
 3. di-*n*-butyl phthalate  
 4. butyl benzyl phthalate  
 5. bis(2-ethylhexyl)phthalate  
 6. di-*n*-octyl phthalate

**Column:**KB-50,30m, 0.53mm ID, 0.50 $\mu$ m  
**P/N:** 366815  
 Carrier: helium  
 Oven: 100 $^{\circ}$ C to 275 $^{\circ}$ C at 15 $^{\circ}$ C/min. (hold 10 min.)  
 Injector: 275 $^{\circ}$ C      Detector: FID,275 $^{\circ}$ C  
 1. dimethyl phthalate    2. diethyl phthalate  
 3. diisobutyl phthalate    4. di-*n*-butyl phthalate  
 5. bis(4-methyl,2-pentyl) phthalate  
 6. bis(methoxyethyl) phthalate  
 7. di-amyl phthalate  
 8. bis(ethoxyethyl) phthalate  
 9. hexyl-2-ethylhexyl phthalate  
 10. di-*n*-hexyl phthalate  
 11. bis(2-*n*-butoxyethyl) phthalate  
 12. dicyclohexyl phthalate  
 13. bis(2-ethylhexyl) phthalate  
 14. butylbenzyl phthalate  
 15. di-*n*-octyl phthalate    16. di-nonyl phthalate

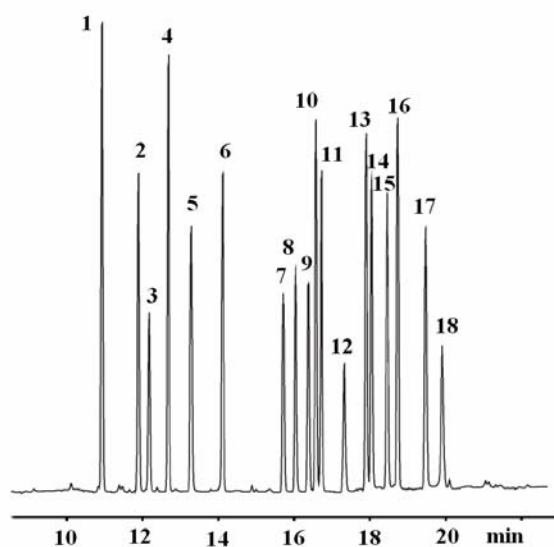


含氮芳香烃



**Column:** KB-5, 15m, 0.53mm ID, 1.50 $\mu$ m  
**P/N:** 323818  
 Carrier: helium  
 Oven: 100 $^{\circ}$ C to 300 $^{\circ}$ C at 15 $^{\circ}$ C/min.(hold 10 min.)  
 Injector: 250 $^{\circ}$ C  
 Detector: FID,300 $^{\circ}$ C  
 1. nitrobenzene  
 2. isophorone  
 3. 2,6-dinitrotoluene  
 4. 2,4-dinitrotoluene

## 含氯杀虫剂

**Column: KB-Pesticides A**30m, 0.32mm ID, 0.50 $\mu$ m P/N:586715

Carrier: helium.

Oven: 120 $^{\circ}$ C (hold 1 min.) to 300 $^{\circ}$ C(hold 10 min.) at 9 $^{\circ}$ C/min.Injector: 200 $^{\circ}$ CDetector: ECD, 300 $^{\circ}$ C1.  $\alpha$ -BHC ( $\alpha$ -HCH) 2.  $\gamma$ -BHC (lindane)3.  $\beta$ -BHC ( $\beta$ -HCH) 4.  $\delta$ -BHC ( $\delta$ -HCH)

5. heptachlor 6. aldrin

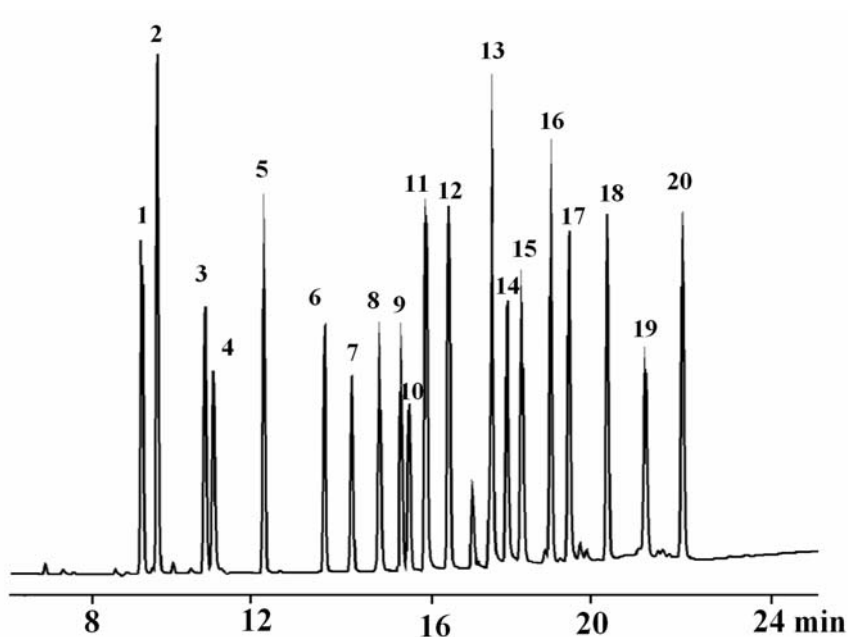
7. heptachlor epoxide 8.  $\gamma$ -chlordane9.  $\alpha$ -chlordane 10. 4,4'-DDE

11. endosulfan I 12. dieldrin

13. endrin 14. 4,4'-DDD

15. endosulfan II 16. 4,4'-DDT

17. endrin aldehyde 18. methoxychlor

1.  $\gamma$ -BHC2.  $\beta$ -BHC3.  $\delta$ -BHC

4. aldrin

5. isodrin

6. heptachlor epoxide

7.  $\gamma$ -chlordane8.  $\alpha$ -chlordane

9. endosulfan I

10. 4,4'-DDE

11. dieldrin

12. chlorobenzilate

13. endrin

14. 4,4'-DDD

15. endosulfan II

16. 4,4'-DDT

17. endrin aldehyde

18. endosulfan sulfate

19. methoxychlor

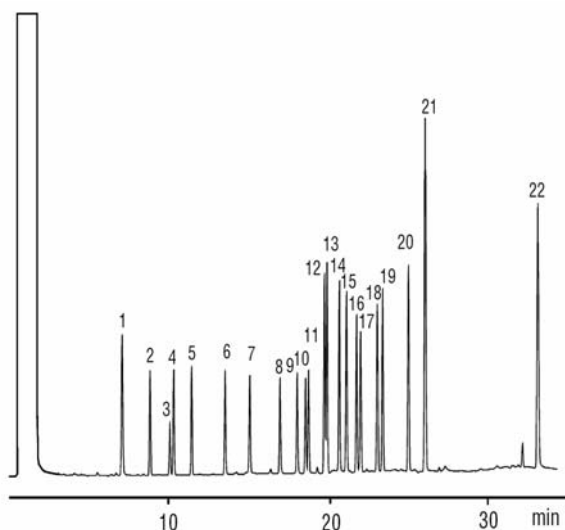
20. endrin ketone

**Column: KB-Pesticides B** 30m, 0.32mm ID, 0.25 $\mu$ m**P/N: 596712**

Carrier: helium

Oven: 80 $^{\circ}$ C (hold 1 min.) to 300 $^{\circ}$ C at 10 $^{\circ}$ C/min. (hold 15 min.)Injector: 250 $^{\circ}$ CDetector: ECD, 300 $^{\circ}$ C with anode purge

## KB 系列气相色谱柱



**Column: KB-5** 30m, 0.53mm ID, 0.50 $\mu$ m  
**P/N: 326815**

Carrier: helium

Oven: 150°C (hold 5 min.) to 275°C at  
 4°C/min. (hold 5 min.).

Injector: 200°C

Detector: ECD, 280°C

1. 2,4,5,6-tetrachloro-*m*-xylene
2.  $\alpha$ -BHC
3.  $\beta$ -BHC
4.  $\gamma$ -BHC
5.  $\delta$ -BHC
6. heptachlor
7. aldrin
8. heptachlor epoxide
9.  $\gamma$ -chlordane
10. endosulfan I
11.  $\alpha$ -chlordane
12. dieldrin
13. *p,p'*-DDE
14. endrin
15. endosulfan II
16. *p,p'*-DDD
17. endosulfan sulfate
18. *p,p'*-DDT
19. endrin aldehyde
20. endrin ketone
21. methoxychlor
22. decachlorobiphenyl

### Diesel Range Organics

**Column: KB-Pesticides A**

30m, 0.53mm ID, 0.88 $\mu$ m **P/N:586716**

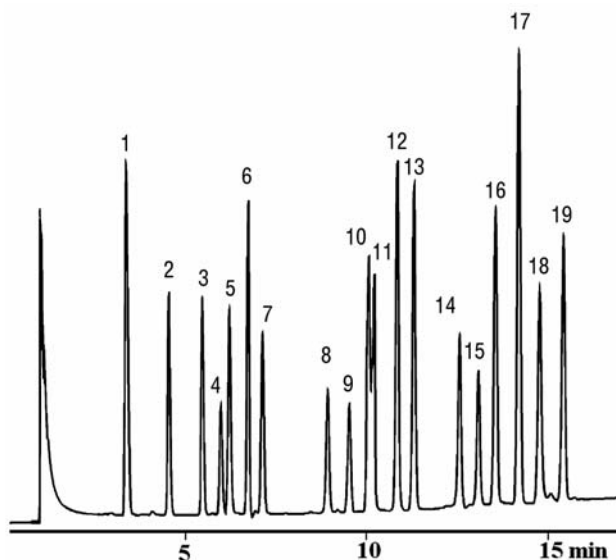
Carrier: helium

Oven: 200°C to 275°C at 8°C/min.(hold 5 min.)

Injector: 200°C

Detector: ECD, 275°C

1. 2,4,5,6-tetrachloro-*m*-xylene
2.  $\alpha$ -BHC
3.  $\gamma$ -BHC
4. heptachlor
5.  $\beta$ -BHC
6.  $\delta$ -BHC
7. aldrin
8. heptachlor epoxide
9.  $\gamma$ -chlordane
10.  $\alpha$ -chlordane
11. endosulfan I
12. *p,p'*-DDE
13. dieldrin
14. endrin
15. *p,p'*-DDD
16. endosulfan II
17. *p,p'*-DDT
18. endrin aldehyde
19. endosulfan sulfate



**Column: KB-5** 30m, 0.53mm ID, 1.0 $\mu$ m

**P/N: 326717**

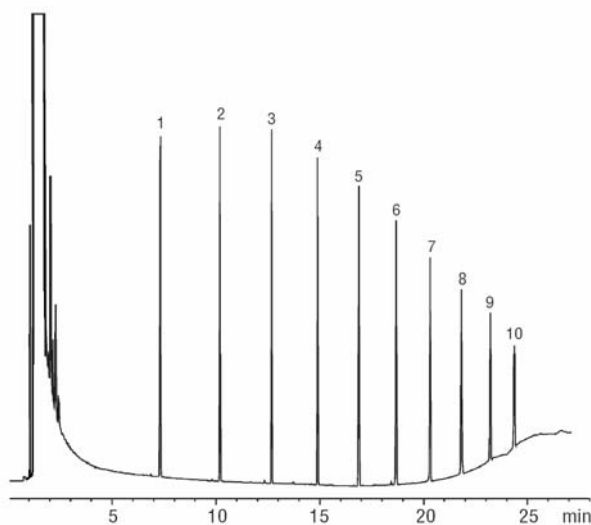
Carrier: helium

Oven: 40°C (hold 2 min.) to 310°C  
 at 12°C/min. (hold 10 min.).

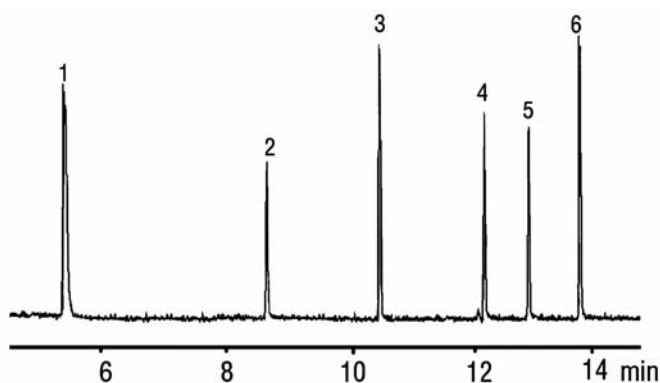
Injector: 280°C

Detector: FID 310°C

1. C10
2. C12
3. C14
4. C16
5. C18
6. C20
7. C22
8. C24
9. C26
10. C28



Endocrine Disruptors

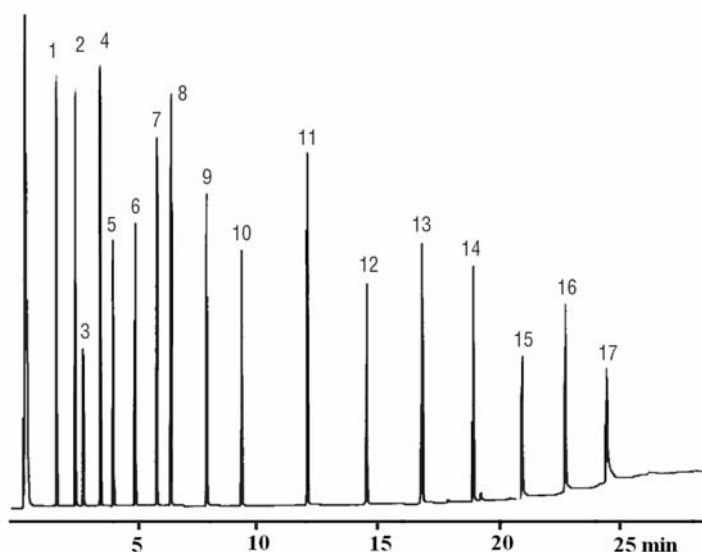
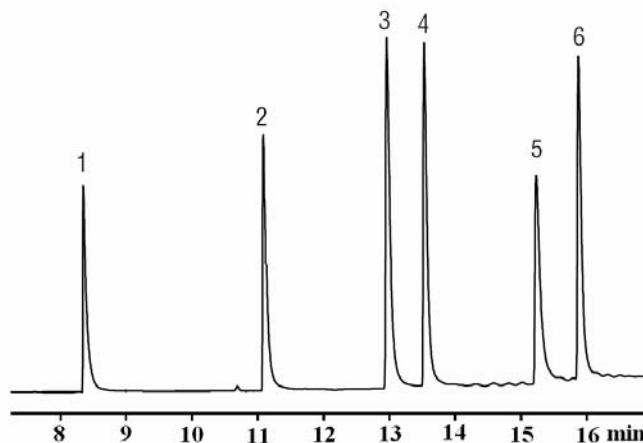


**Column: KB-35** 30m, 0.32mm , 0.50 $\mu$ m  
**P/N: 346715**  
 Carrier: helium  
 Oven: 100 $^{\circ}$ C (hold 1 min.) to 285 $^{\circ}$ C  
 at 10 $^{\circ}$ C/min.  
 Injector: 250 $^{\circ}$ C  
 Detector: FPD 250 $^{\circ}$ C  
 1. tetrapropyltin  
 2. tetrabutyltin  
 3. tributyltin  
 4. dibutyltin  
 5. tripropyltin  
 6. monobutyltin

● 食品、香料

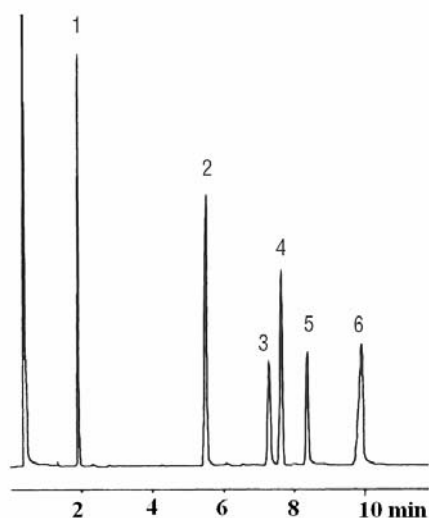
有机酸

**Column: KB-PLOT Q**  
 30m, 0.32mm ID, 10 $\mu$ m  
**P/N: 456717**  
 Carrier: hydrogen  
 Oven: 75 $^{\circ}$ C to 240 $^{\circ}$ C  
 at 10 $^{\circ}$ C/min. (hold 15 min.)  
 Injector: 240 $^{\circ}$ C  
 Detector: FID 240 $^{\circ}$ C  
 1. acetic acid  
 2. propionic  
 3. isobutyric acid  
 4. butyric acid  
 5. isovaleric acid  
 6. valeric acid



**Column: KB-Awax**  
 30m, 0.53mm, 0.25 $\mu$ m  
**P/N: 446812**  
 Oven: 100 $^{\circ}$ C (hold 2 min.) to 280 $^{\circ}$ C  
 at 8 $^{\circ}$ C/min., (hold 10 min.)  
 Injector: 280 $^{\circ}$ C  
 Detector: FID 280 $^{\circ}$ C  
 1. acetic acid      2. propionic acid  
 3. isobutyric acid    4. *n*-butyric acid  
 5. isovaleric acid    6. *n*-valeric acid  
 7. isocaproic acid    8. caproic acid  
 9. heptanoic acid    10. caprylic acid  
 11. capric acid      12. lauric acid  
 13. myristic acid    14. palmitic acid  
 15. stearic acid      16. arachidic acid  
 17. behenic acid

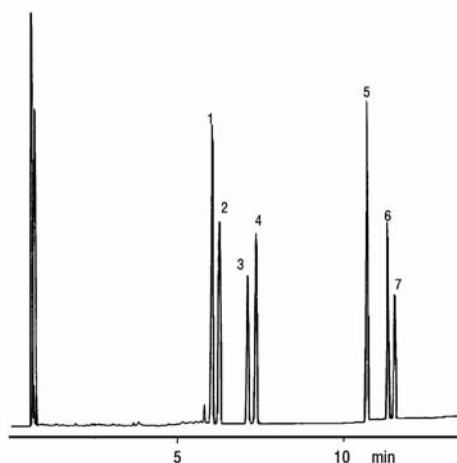
甾醇类



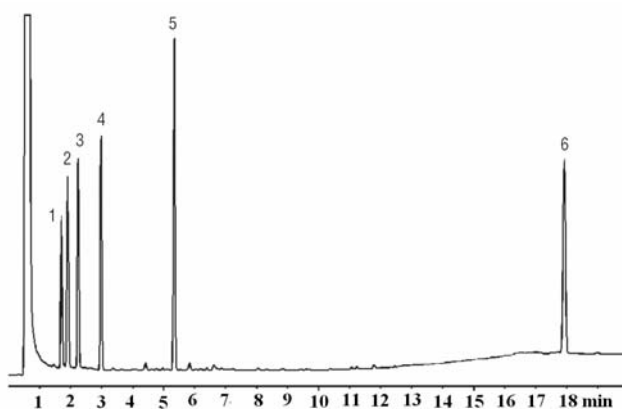
**Column: KB-225**  
 15m, 0.25mm, 0.25 $\mu$ m  
**P/N: 383612**  
 Carrier: helium  
 Oven: 260 $^{\circ}$ C isothermal  
 Injector: 260 $^{\circ}$ C  
 Detector: FID 260 $^{\circ}$ C  
 1. 5- $\alpha$ -cholestane  
 2. coprosterol  
 3. brassicasterol  
 4. coprostanone  
 5. campesterol  
 6.  $\beta$ -sitosterol

糖类

**Column: KB-225**  
 15m, 0.25mm ID, 0.25 $\mu$ m  
**P/N: 383612**  
 Carrier: hydrogen  
 Oven: 190 $^{\circ}$ C (hold 5 min.) to 250 $^{\circ}$ C  
 at 8 $^{\circ}$ C/min. (hold 5 min.)  
 Injector: 260 $^{\circ}$ C  
 Detector: FID 260 $^{\circ}$ C  
 1. rhamnitol  
 2. fucitol  
 3. ribitol  
 4. arabinitol  
 5. mannitol  
 6. glucitol  
 7. inositol

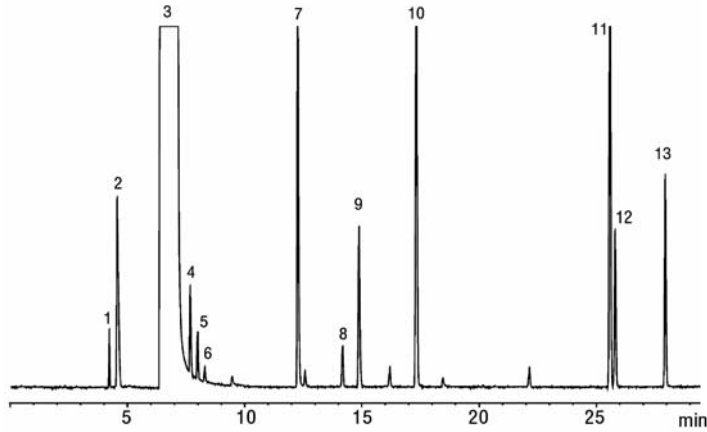


抗氧化剂



**Column: KB-50** 30m, 0.53mm ID, 0.5 $\mu$ m  
**P/N: 366815**  
 Carrier: helium  
 Oven: 165 $^{\circ}$ C (hold 1 min.) to 310 $^{\circ}$ C at 10 $^{\circ}$ C  
 Injector: 290 $^{\circ}$ C  
 Detector: FID 310 $^{\circ}$ C  
 1. butylated hydroxytoluene (BHT)  
 2. butylated hydroxyanisole (BHA)  
 3. *tert*-butyl hydroquinone (TBHQ)  
 4. 4-hydroxymethyl  
 -2,6-di-*tert*butylophenol (HMBP)  
 5. 2,4,6-trihydrobutylophenone (TBHP)  
 6. dilaurylthiodipropionate (DLDTp)

朗姆酒 Rum Sample



Column: KB-1301 60m, 0.25mm 1.5 $\mu$ m  
P/N: 399618

Oven: 35 $^{\circ}$ C (hold 5 min.) to 100 $^{\circ}$ C  
at 1 $^{\circ}$ C/min.

Injector: 150 $^{\circ}$ C Detector: FID 200 $^{\circ}$ C

- 1. acetaldehyde
- 2. methanol
- 3. ethanol
- 4. acetone
- 5. ethyl formate
- 6. isopropanol
- 7. *n*-propanol
- 8. ethyl acetate
- 9. *sec*-butanol
- 10. isobutanol
- 11. isoamyl alcohol
- 12. active amyl alcohol
- 13. *n*-amyl alcohol

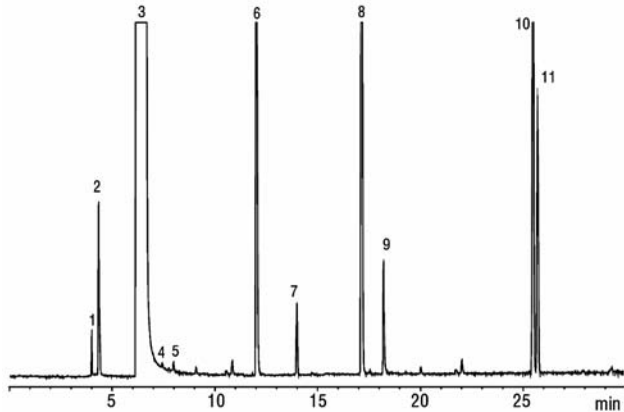
Scotch Sample

Column: KB-1301 60m, 0.25mm 1.5 $\mu$ m  
P/N: 399618

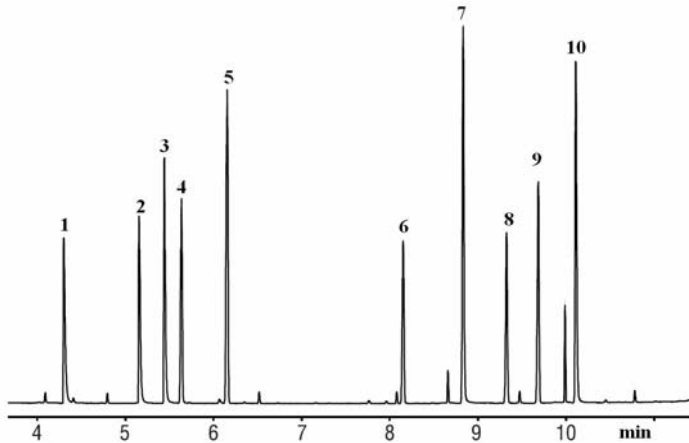
Oven: 35 $^{\circ}$ C (5 min.) to 100 $^{\circ}$ C at 1 $^{\circ}$ C/min.

Injector: 150 $^{\circ}$ C Detector: FID 200 $^{\circ}$ C

- 1. acetaldehyde
- 2. methanol
- 3. ethanol
- 4. acetone
- 5. isopropanol
- 6. *n*-propanol
- 7. ethyl acetate
- 8. isobutanol
- 9. acetic acid
- 10. isoamyl alcohol
- 11. active amyl alcohol



酒精饮料



Column: KB-Awax

30m, 0.20mm, 0.20 $\mu$ m

P/N: 446511

Carrier: hydrogen

Oven: 70-240 $^{\circ}$ C at 12 $^{\circ}$ C/min, 3 min.

Injector: 240 $^{\circ}$ C

Detector: FID 240 $^{\circ}$ C

- 1. acetic acid
- 2. propionic acid
- 3. isobutyric acid
- 4. decanol
- 5. ethyl decanoate
- 6. ethyl laurate
- 7. 2-phenylethanol
- 8. *trans*-lactone
- 9. methyl myristate
- 10. octanoic acid

● 石油化学

永久气体

Column: KB-Molesieve 15m, 0.32mm

P/N: 543725

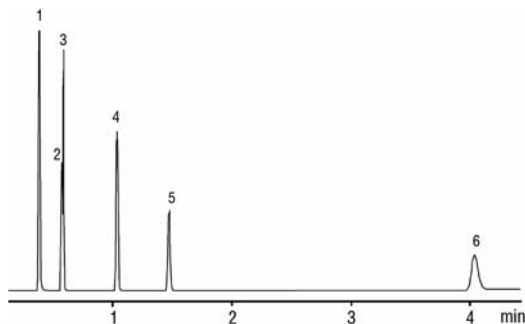
Carrier: hydrogen

Oven: 70 $^{\circ}$ C

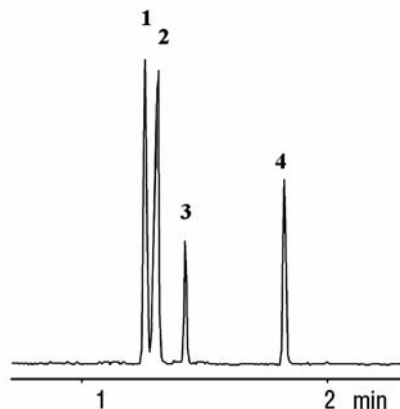
Injector: 70 $^{\circ}$ C

Detector: TCD 200 $^{\circ}$ C

- 1. helium
- 2. argon
- 3. oxygen
- 4. nitrogen
- 5. methane
- 6. carbon monoxide



永久气体



Column: KB-PLOT Q 30m, 0.32mm

P/N: 456725

Carrier: hydrogen

Oven: 30°C

Injector: 30°C

Detector: TCD 200°C

- 1. helium
- 2. air
- 3. methane
- 4. carbon dioxide

炼厂气

Column: KB-Al<sub>2</sub>O<sub>3</sub>/Na<sub>2</sub>SO<sub>4</sub>

50m 0.53mm

P/N: 478825

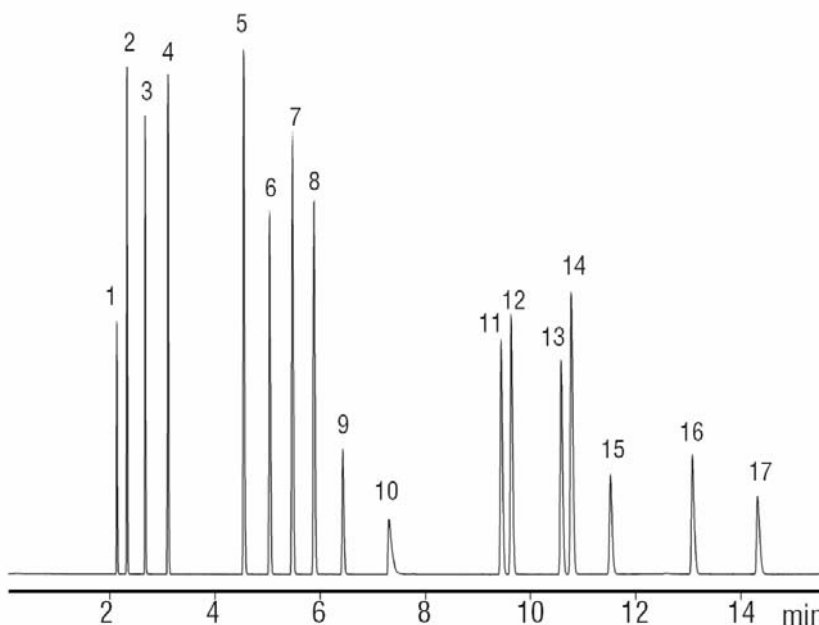
Carrier: helium

Oven: 40°C to 120°C at 5°C/m

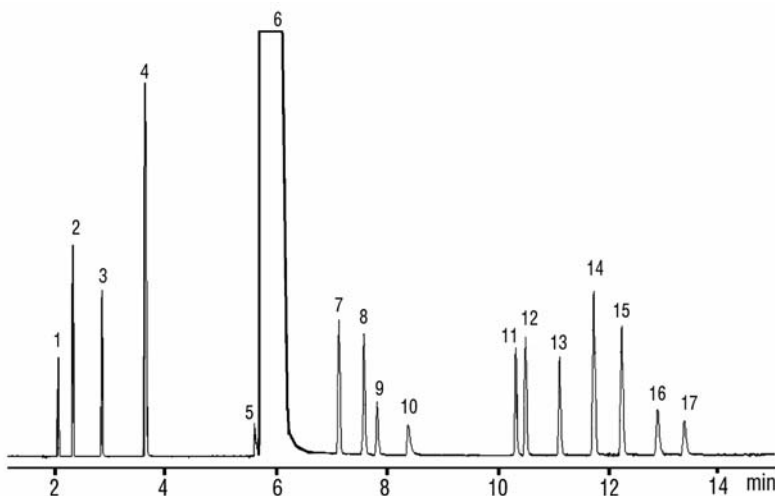
Injector: 200°C

Detector: FID 200°C

- 1. methane
- 2. ethane
- 3. ethylene
- 4. propane
- 5. cyclopropane
- 6. propylene
- 7. isobutane
- 8. n-butane
- 9. propadiene
- 10. acetylene
- 11. trans-2-butene
- 12. 1-butene
- 13. cis-butene
- 14. isopentane
- 15. n-pentane
- 16. 1,3-butadiene
- 17. propyne



丙烯纯度



Column: KB-Al<sub>2</sub>O<sub>3</sub>/Na<sub>2</sub>SO<sub>4</sub>

50m 0.53mm

P/N: 478825

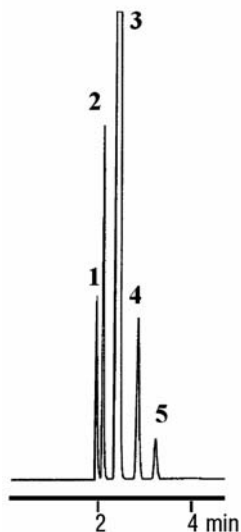
Oven: 40°C to 120°C at 5°C/min.

Injector: 200°C

Detector: FID 200°C

- 1. methane
- 2. ethane
- 3. ethylene
- 4. propane
- 5. cyclopropane
- 6. propylene
- 7. isobutane
- 8. n-butane
- 9. propadiene
- 10. acetylene
- 11. trans-2-butene
- 12. 1-butene
- 13. cis-2-butene
- 14. isopentane
- 15. n-pentane
- 16. 1,3-butadiene
- 17. propyne

烷烃



Column: KB-1 60m, 0.53mm ID, 5.0µm

P/N: 309822

Carrier: hydrogen

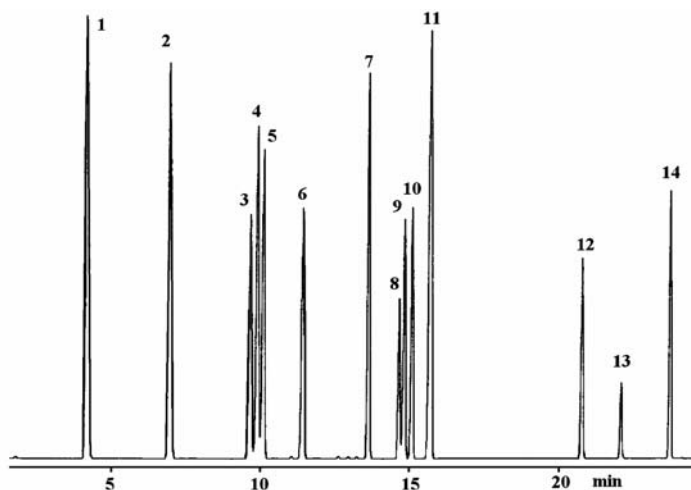
Oven: 40°C isothermal

Injector: 200°C

Detector: FID 200°C

1. methane
2. ethane
3. propane
4. isobutane
5. butane

石油氧化物



Column: KB-Wax

30m, 0.53mm, 1.0µm

P/N: 416817

Oven: 45°C (hold 4 min.) to 220°C at 6°C/min

Injector: 220°C Detector: FID

1. benzene
2. toluene
3. ethylbenzene
4. *p*-xylene
5. *m*-xylene
6. *o*-xylene
7. styrene
8. 2-methylpentanol
9. *p*-diethylbenzene
10. *m*-diethylbenzene
11. *o*-diethylbenzene
12. benzaldehyde
13. monopropylene glycol

Column: KB-1 60m, 0.53mm, 5.0µm

P/N: 309822

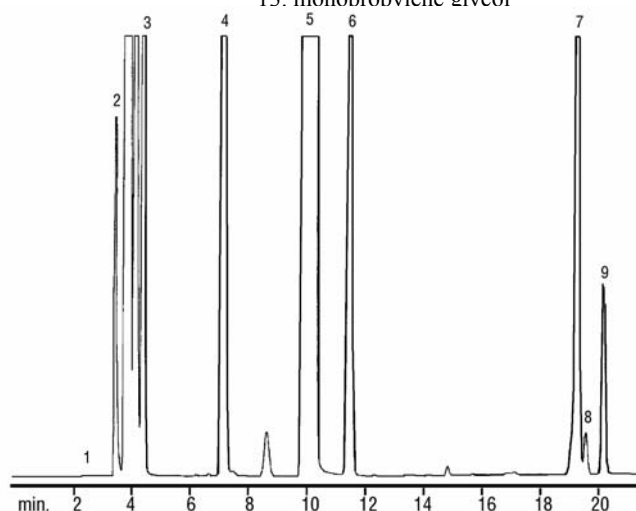
Carrier: hydrogen

Oven: 40°C (8 min.) to 200°C at 5°C/min.

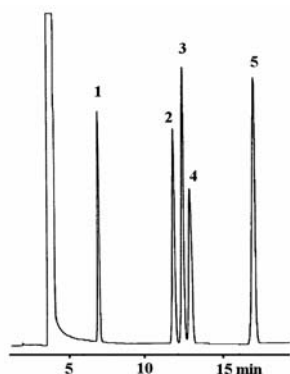
Injector: 200°C

Detector: FID 200°C

1. dimethylether
2. methanol
3. C4s
4. *tert*-butyl alcohol
5. methyl *tert*-butyl ether
6. *sec*-butylmethylether
7. diisobutylene
8. 4-vinylcyclohexene-1
9. triisobutylene



甲苯、乙苯、二甲苯



Column:KB-Wax 30m, 0.25mm, 1.0 $\mu$ m

P/N: 416617

Carrier: hydrogen

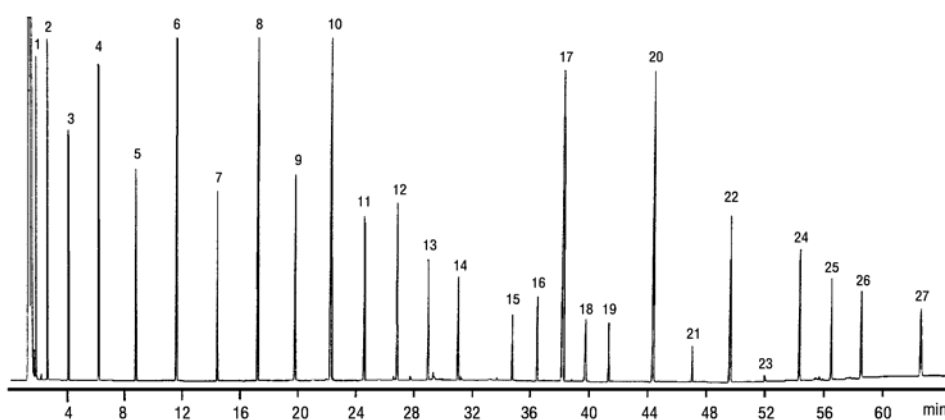
Oven: 60 $^{\circ}$ C isothermal

Injector: 260 $^{\circ}$ C

Detector: FID 260 $^{\circ}$ C

1. toluene
2. ethylbenzene
3. *p*-xylene
4. *m*-xylene
5. *o*-xylene

碳烃化合物 C7—C42

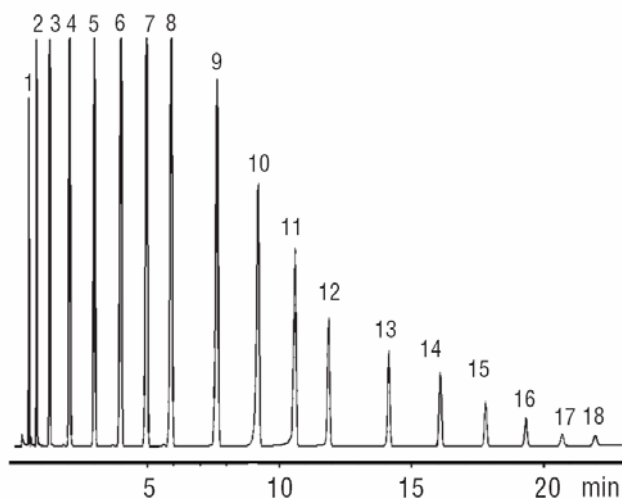


Column: KB-1 30m, 0.53mm ID, 0.25 $\mu$ m P/N: 306812

Oven: 40 $^{\circ}$ C to 340 $^{\circ}$ C at 5 $^{\circ}$ C/min. Injector: 340 $^{\circ}$ C Detector: FID 340 $^{\circ}$ C

1. C7 2. C8 3. C9 4. C10 5. C11 6. C12 7. C13 8. C14 9. C15 10. C16
11. C17 12. C18 13. C19 14. C20 15. C22 16. C23 17. C24 18. C25 19. C26
20. C28 21. C30 22. C32 23. C34 24. C36 25. C38 26. C40 27. C42

模拟蒸馏 ASTM D-2887 C5 to C44



Column:KB-2887 10m, 0.53mm, 2.65 $\mu$ m

P/N: 571819

Oven: 35 $^{\circ}$ C to 360 $^{\circ}$ C at 15 $^{\circ}$ C/min. (5 min.)

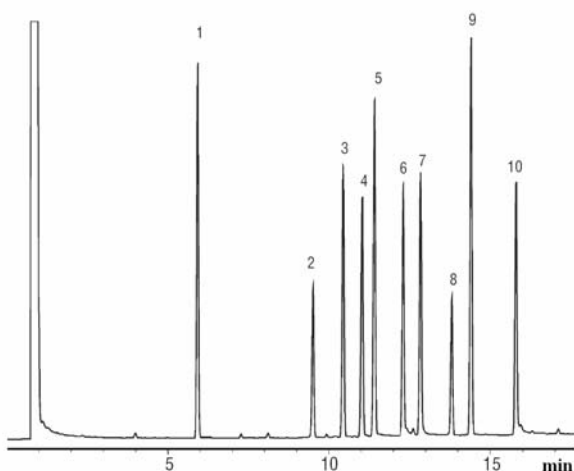
Injector: 360 $^{\circ}$ C

Detector: FID 360 $^{\circ}$ C

- |                  |                       |
|------------------|-----------------------|
| 1. pentane       | 2. hexane             |
| 3. heptane       | 4. octane             |
| 5. nonane        | 6. decane             |
| 7. undecane      | 8. dodecane           |
| 9. tetradecane   | 10. hexadecane        |
| 11. octadecane   | 12. eicosane          |
| 13. tetracosane  | 14. octacosane        |
| 15. dotricontane | 16. hexatricosane     |
| 17. tetracontane | 18. tetratetracontane |

● 制药

酸性/中性 药物



**Column: KB-35** 30m, 0.53mm, 1.0 $\mu$ m

**P/N: 346817**

Oven: 100 $^{\circ}$ C to 280 $^{\circ}$ C at 10 $^{\circ}$ C/min. (5 min.)

Injector: 250 $^{\circ}$ C Detector: FID 250 $^{\circ}$ C

1. ethosuximide
2. barbital
3. methyprylon
4. aprobarbital
5. butalbital
6. pentobarbital
7. secobarbital
8. meprobamate
9. glutethimide
10. phenobarbital

**Column:KB-1701** 15m, 0.53mm, 0.50 $\mu$ m

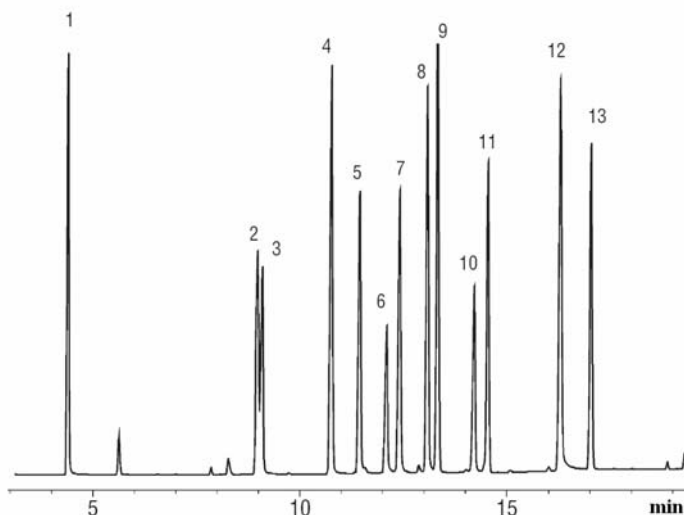
**P/N: 403815**

Oven: 100 $^{\circ}$ C to 280 $^{\circ}$ C at 7 $^{\circ}$ C/min

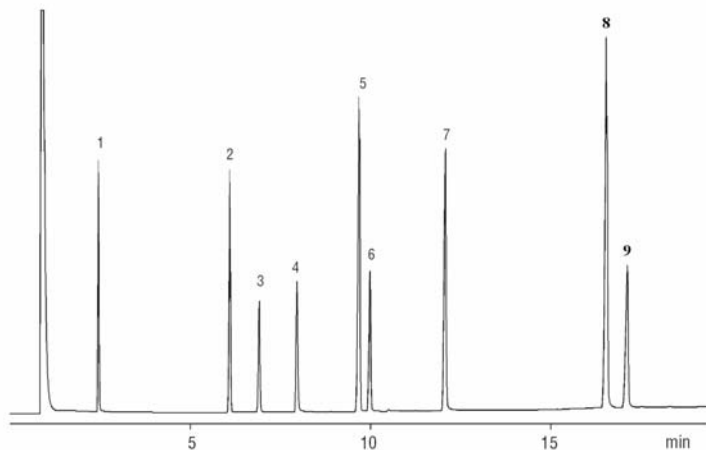
Injector: 250 $^{\circ}$ C

Detector: FID 275 $^{\circ}$ C

1. ethosuximide
2. methyprylon
3. barbital
4. aprobarbital
5. butalbital
6. amobarbital
7. pentobarbital
8. secobarbital
9. glutethimide
10. meprobamate
11. carisoprodal
12. phenobarbital
13. methaqualone



抗癫痫药物



**Column:KB-1701**

15m, 0.32mm, 0.50 $\mu$ m

**P/N:403715**

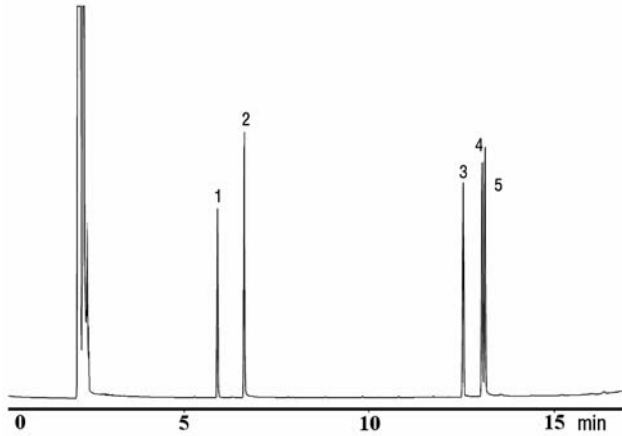
Oven: 150 $^{\circ}$ C to 280 $^{\circ}$ C at 7 $^{\circ}$ C/min.

Injector: 250 $^{\circ}$ C

Detector: FID 270 $^{\circ}$ C

1. ethosuximide
2. methsuximide
3. phensuximide
4. desmethyl methsuximide
5. mephenytoin
6. ethotoin
7. Phenobarbital
8. primidone
9. carbamazepine

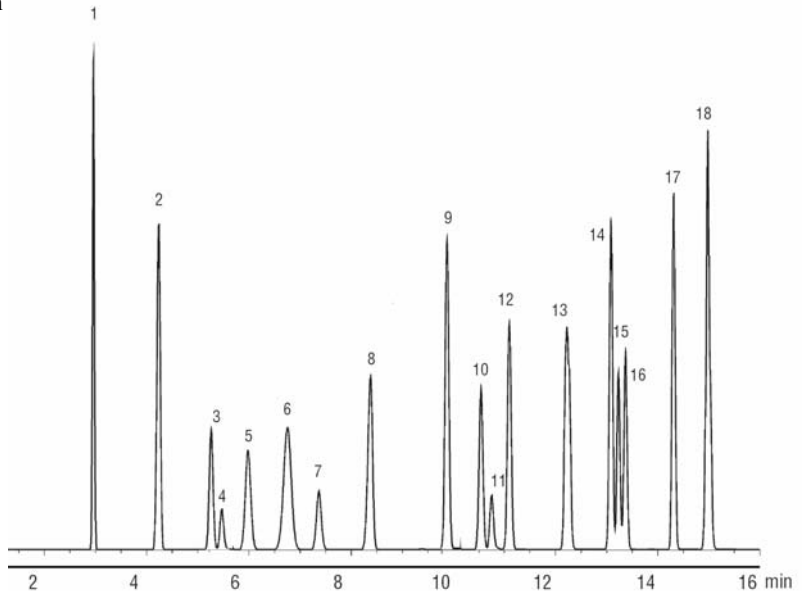
可卡因及代谢物



**Column:** KB-5 30m, 0.25mm, 0.25 $\mu$ m  
**P/N:** 326612  
 Carrier: helium  
 Oven: 150 $^{\circ}$ C to 320 $^{\circ}$ C at 10 $^{\circ}$ C/min.  
 Injector: 250 $^{\circ}$ C  
 Detector: FID 300 $^{\circ}$ C  
 1. ecgonine methyl ester (TMS)  
 2. ecgonine (TMS)  
 3. cocaine  
 4. coca ethylene  
 5. benzoylecgonine (TMS)

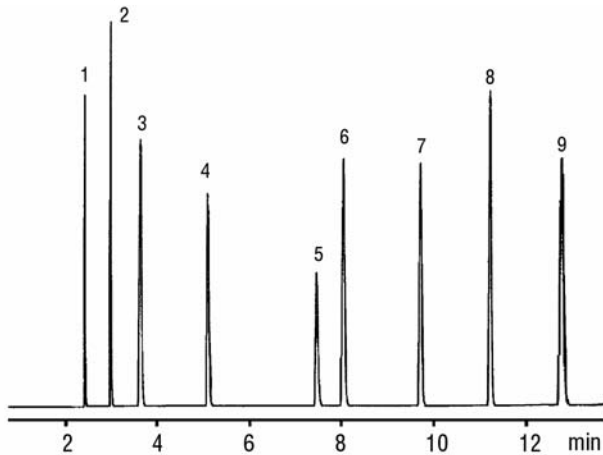
制药过程中残留溶剂分析

**Column:**KB-5 30m, 0.53mm, 5.0 $\mu$ m  
**P/N:** 326822  
 Carrier: helium  
 Oven: 35 $^{\circ}$ C (hold 7 min.) to 240 $^{\circ}$ C at 15 $^{\circ}$ C/min  
 Injector: 180 $^{\circ}$ C  
 Detector: FID 260 $^{\circ}$ C  
 1. methanol 2. ethanol  
 3. acetone 4. isopropanol  
 5. ether 6. *tert*-butanol  
 7. methylene chloride  
 8. *n*-propanol  
 9. methyl ethyl ketone  
 10. ethyl acetate 11. chloroform  
 12. tetrahydrofuran  
 13. benzene 14. heptane  
 15. trichloroethylene  
 16. 1,4-dioxane  
 17. pyridine 18. toluene



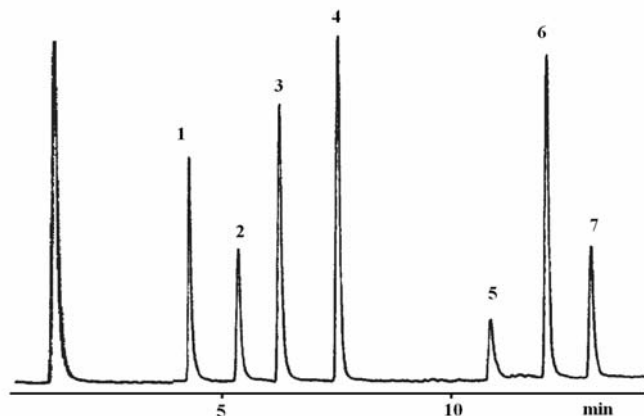
● 溶剂分析

醇混合物



**Column:**KB-5 60m, 0.32mm, 1.0 $\mu$ m  
**P/N:** 329717  
 Carrier: hydrogen  
 Oven: 25 $^{\circ}$ C (hold 4 min.) to 80 $^{\circ}$ C at 8 $^{\circ}$ C/min. (hold 5 min.)  
 Injector: 200 $^{\circ}$ C  
 Detector: FID 200 $^{\circ}$ C  
 1. methanol  
 2. ethanol  
 3. isopropanol  
 4. 1-propanol  
 5. ethyl acetate  
 6. 2-methyl-1-propanol  
 7. 1-butanol  
 8. 3-pentanol  
 9. 3-methyl-1-butanol

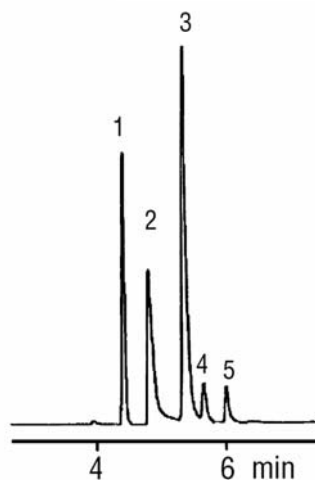
亚硝酸胺



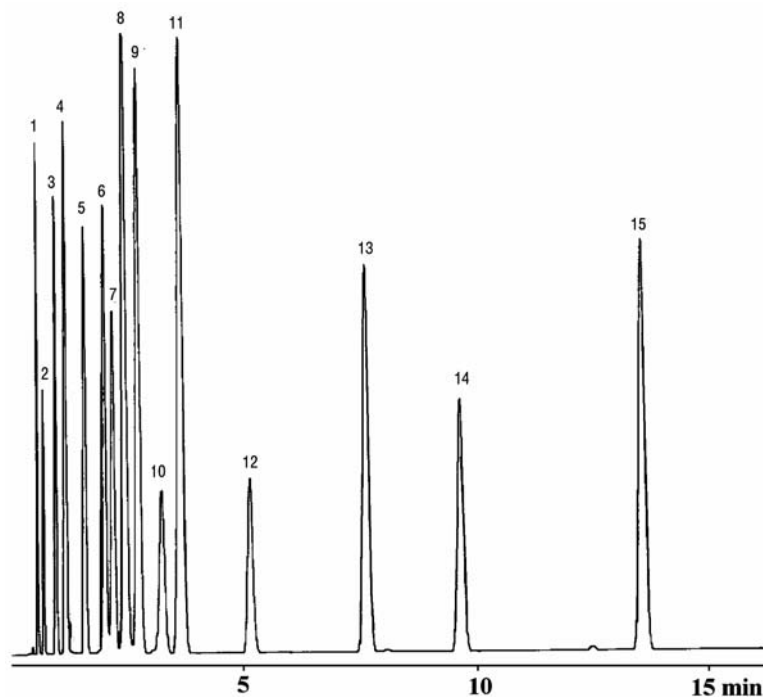
**Column: KB-Bwax** 60m, 0.53mm, 1.0 $\mu$ m  
**P/N: 439817**  
 Oven: 100 $^{\circ}$ C (hold 1 min.) to 170 $^{\circ}$ C  
 at 5 $^{\circ}$ C/min.  
 Injector: 200 $^{\circ}$ C Detector: TSD 200 $^{\circ}$ C  
 1. N-nitrosodimethylamine  
 2. N-nitrosodiethylamine  
 3. N-nitrosodiisopropylamine  
 4. N-nitrosodipropylamine  
 5. N-nitrosodibutylamine  
 6. N-nitrosopyrrolidine  
 7. N-nitrosomorpholine

甲醛

**Column: KB-1701** 60m, 0.25mm ID, 1.0 $\mu$ m  
**P/N: 409617**  
 Carrier: helium  
 Oven: 40 $^{\circ}$ C isothermal  
 Injector: 150 $^{\circ}$ C  
 Detector: TCD 175 $^{\circ}$ C  
 1. air  
 2. water  
 3. formaldehyde  
 4. acetaldehyde  
 5. methanol

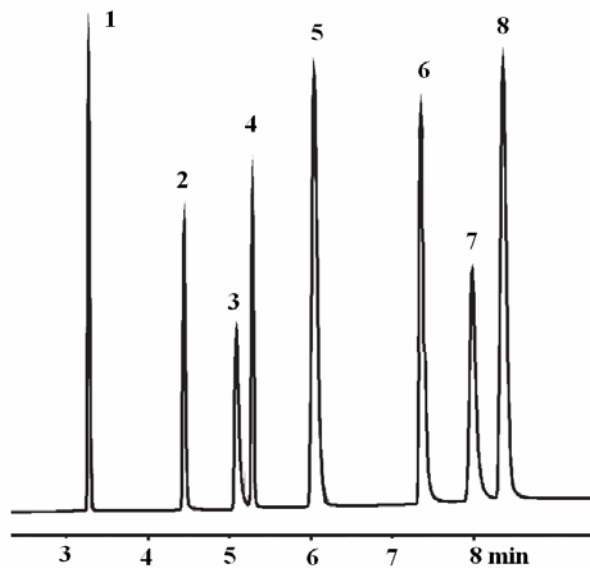


溶剂分析



**Column: KB-1** 30m, 0.53mm, 5.0 $\mu$ m  
**P/N: 306822**  
 Carrier: hydrogen  
 Oven: 40 $^{\circ}$ C (hold 4 min.) to 110 $^{\circ}$ C at  
 4 $^{\circ}$ C/min. to 175 $^{\circ}$ C at 15 $^{\circ}$ C/min.  
 Injector: 250 $^{\circ}$ C  
 Detector: FID 250 $^{\circ}$ C  
 1. methanol  
 2. methyl formate  
 3. acetone  
 4. pentane  
 5. *n*-propyl alcohol  
 6. methyl ethyl ketone  
 7. *sec*-butyl alcohol  
 8. ethyl acetate  
 9. tetrahydrofuran  
 10. 1,1,1-trichloroethane  
 11. benzene  
 12. *n*-butyl alcohol  
 13. toluene  
 14. *n*-butyl acetate  
 15. *o*-xylene

常用溶剂分析



**Column: KB-PLOT Q**

30m, 0.53mm

**P/N:456825**

Carrier: helium

Oven: 100°C to 220°C at 15°C/min.

(hold 2 min.)

Injector: 220°C

Detector: FID 220°C

1. acetaldehyde

2. acetonitrile

3. acetone

4. methylene chloride

5. *n*-pentane

6. ethyl acetate

7. *n*-hexane

8. benzene