-

AÒ AÒ

A AÒ

AÒ

7

-

-

1 L 3.0 ml 100 µl 0.08 ng/L 0.1 ng/L
0.32 ng/L 0.4 ng/L A

GB 17378.3 3
HJ 91.1
HJ 91.2
HJ 164
HJ 442.3

L- -
L-

HCl ρ 1.18 g/ml
CH_3COOH ρ 1.05 g/ml
NaCl
KOH
L- $C_3H_7NO_2S$ 99%
CH_3COONH_4
KBH_4

$K_2S_2O_8$

$CuSO_4 \cdot 5H_2O$

Na_2SO_4

400 4 h

CH_3OH

CH_2Cl_2

4.1 1 19

5.0 g 4.4 2.0 g 4.7 1 L

5.0 g 4.4 2.0 g 4.8 1 L

1.0 g L- 4.5 0.8 g 4.6 100 ml

1.2 g L- 4.5 0.62 g 4.6 1000 ml
80 ml 4.11 4.23

50 g 4.9 100 ml

ρ CH_3Hg^+ 1.00 mg/L

ρ $C_2H_5Hg^+$ 1.00 mg/L

4.19 4.20 CAS No. 115-09-3 CAS No. 107-27-7

ρ 100 μg/L
5.00 ml 4.19 4.20 50 ml
100 μl 4.1 250 μl 4.2
4 8

ρ 10.0 μg/L
5.00 ml 4.21 50 ml 100 μl 4.1 250 μl 4.2
4
8

0.45 μm

99.999%

1 L

-

5 μm 15 cm 4.6 mm C_{18}

125 ml 250 ml 2 L

GB 17378.3 HJ 91.1 HJ 91.2 HJ 164 HJ 442.3
5.1 4.1 pH 1 2 2 ml 4.18
4 3 d
8 d
4 ml 4.1

1 L 6.1 2 L 30 g 4.3 40 ml
4.12 10 min 10 min
25 ml 4.12 2 3
4.10 125 ml 4.12
3 ml 4.16 5 min
10 min 4.23 4 6 h

4 5 d

6.2

4.17 1.0 ml/min 30 100 µl

4.13
4.14 4.15
1

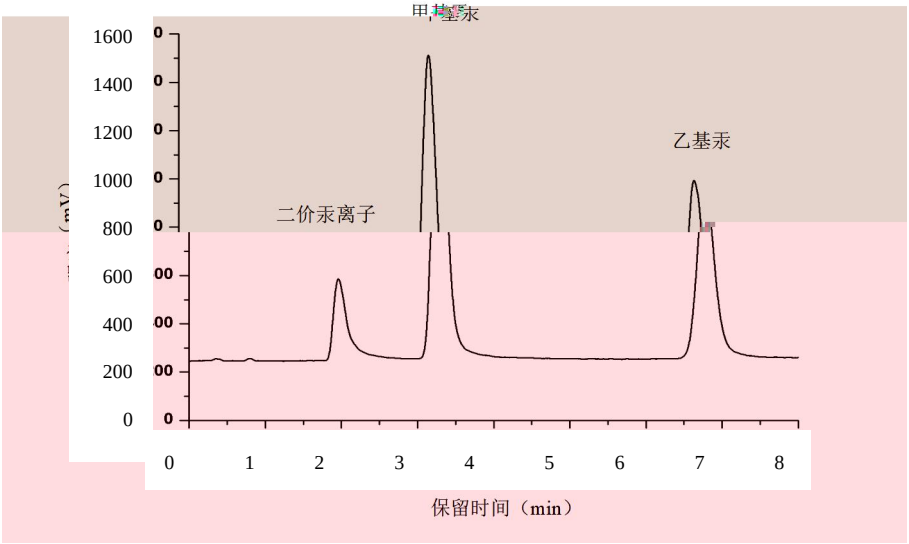
V	mA		ml/min	ml/min	
280　320	30　50	200	300　500	500　900	

4.22　　4.16　　5
0.00 μg/L　0.200 μg/L　0.500 μg/L　1.00 μg/L　2.00 μg/L　5.00 μg/L
10.0 μg/L　　7.1

7.2　　6.2
4.16

7.3　　6.3

7.1　　1



1

$$\rho_i = \frac{\rho_{s,i} \times V_1}{V} \quad (1)$$

ρ_i—— ng/L

$\rho_{s,i}$—— μg/L

V_1—— ml

V—— L

3

6

20 20 1

0.995 20 20 1
15%

20 20 1 30%

20 20 1 65%
120%

50% 30 min
30 min

A.1

			CAS No.	ng/L	ng/L
1		Methyl mercury	22967-92-6	0.08	0.32
2		Ethyl mercury	16056-37-4	0.1	0.4