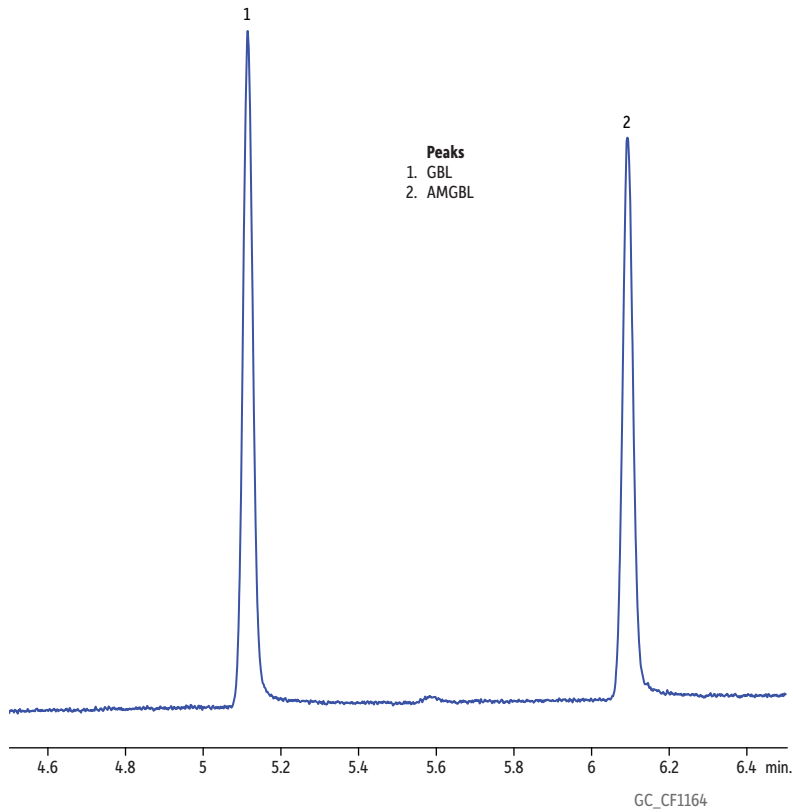


GHB Analysis (GBL and AMGBL) on Rtx®-BAC Plus 1



Peaks
1. GBL
2. AMGBL

Column Sample

Rtx®-BAC Plus 1, 30 m, 0.32 mm ID, 1.8 µm (cat.# 18004)
Gamma-butyrolactone (GBL) (cat.# 34077)
Alpha-methylene-gamma-butyrolactone (AMGBL)
(cat.# 34079)

Injection

Liner:

headspace-loop split (split ratio 10:1)
1 mm straight inlet liner (cat.# 20972)

Headspace-Loop

Inj. Port Temp.:

200 °C

Instrument:

Tekmar HT3

Inj. Time:

1 min.

Transfer Line Temp.:

125 °C

Valve Oven Temp.:

125 °C

Sample Temp.:

100 °C

Sample Equil. Time:

10 min.

Vial Pressure:

30 psi

Pressurize Time:

2 min.

Loop Pressure:

20 psi

Loop Fill Time:

1 min.

Oven

Oven Temp:

80 °C (hold 0 min.) to 180 °C at 10 °C/min. (hold 0 min.)

Carrier Gas

He, constant flow

Linear Velocity:

48 cm/sec.

Detector

FID @ 240 °C

Make-up Gas

Flow Rate:

30 mL/min.

Make-up Gas Type:

N₂

Instrument

Agilent/HP6890 GC

Notes

Sample was prepared by injecting 1 µL of each standard into a capped headspace vial. The mass of each compound inside the headspace vial was 1 µg.

Headspace concentrator courtesy of Teledyne Tekmar, Mason, OH.

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