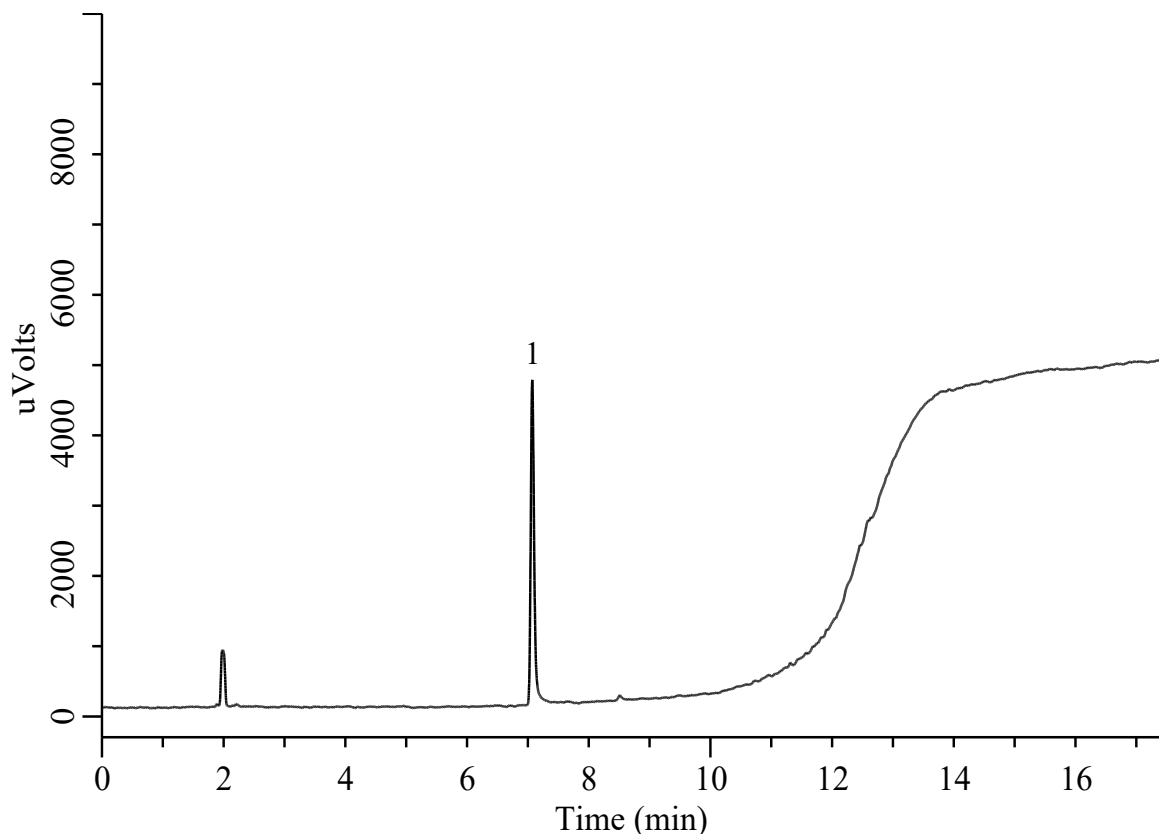


Analysis of Nitromethane

(Under the Condition of draft for USP, Tromethamine Hydrochloride, Limit of Nitromethane)



Conditions

System : GC-4000 Plus/FID
Column : InertCap 624MS (GL Sciences Inc.)
 0.53 mm I.D. x 30 m $df = 3.0\ \mu m$
Col. Cat. No. : 1010-64948
Col. Temp. : 40 °C (5 min) - 20 °C/min - 140 °C
 - 40 °C/min - 240 °C (5 min)
Carrier Gas : He 4 mL/min , Constant Flow
Injection : Split 20 mL/min
 180 °C
Detection : FID Auto Range
 250 °C
Injection Vol. : 2 mL
Sample : Headspace Gas
 Sample heating Temp. 90 °C
 Sample heating time 45 min
 1 mL in Vial (20 mL)

Analyte

1. Nitromethane 5 $\mu g/mL$
 Tailing factor : 1.29 (≤ 1.8)
 RSD of the Peak area(%)(n=6) : 4.03 (≤ 10)