Potassium Bromate with Post Column Derivatization

1. Analytical Condition

YL9100 HPLC System + Post Column Derivatization System

Mobile Phase : MeOH 100mL + Water 700mL + Acetic Acid 2.0g + 10% TBAH 45g
(Adjust to pH 5.0 with 10% TBAH and Water in 1L)

Flow Rate : 0.9 ml/min
Column Oven : 40°C
Detector : UV/Vis 450 nm
Injection Volume : 100uL
Column : Restek Ultra Aqueous C18 (4.6*250mm, 5um)

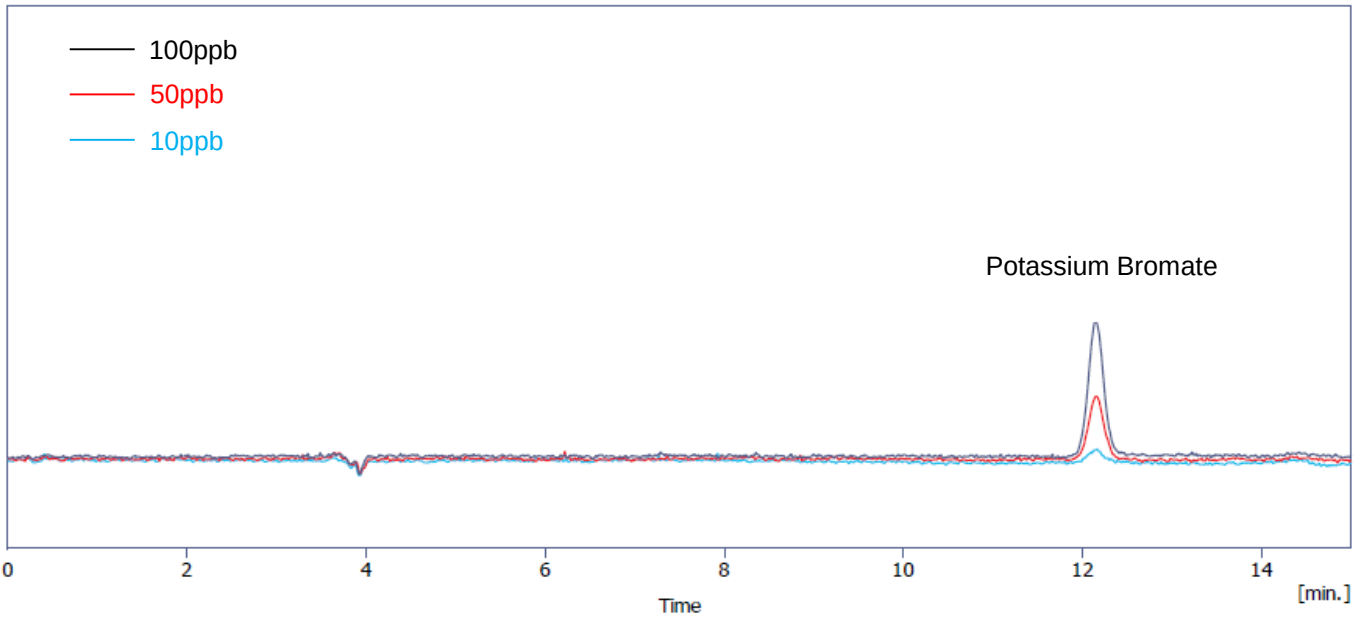
*** Post-Column Condition**

System : Pinnacle PCX

Reagent : Water 700mL + HNO_3 60mL + Potassium Bromide(KBr) 10g
+ (Dissolve o-Dianisidine·2HCl 500mg in 200 ml of MeOH completely
and produce 1L solution with water)

Reactor condition : 60 °C, 0.3mL/min

2. Chromatogram



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