

IC Application Note No. M-5

Title: Traces of diethylamine and triethylamine by IC-MS

Summary: Determination of diethylamine and trimethylamine applying cation chromatography with MS detection.

Sample: Standard

Sample Preparation: Direct injection

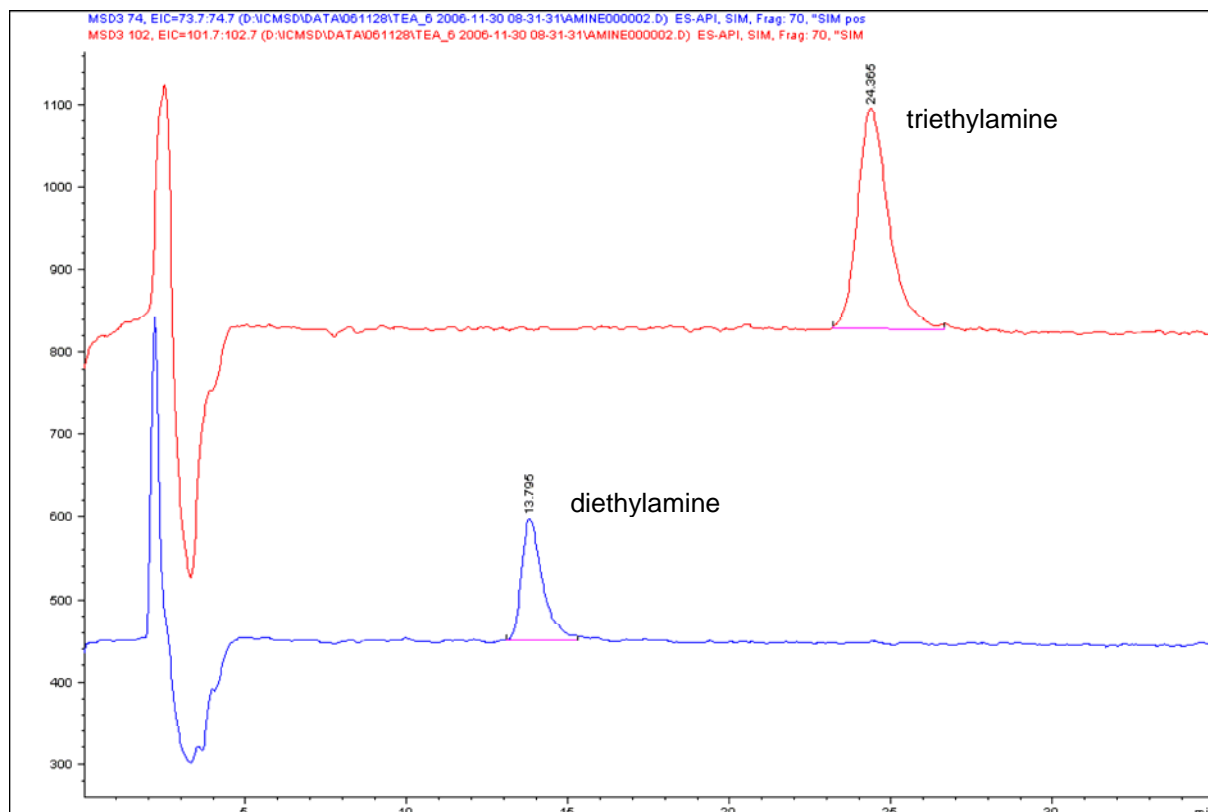
Column: 6.1010.210 Metrosep C 2 – 100

Eluent: 4.0 mmol/L tartaric acid
10% acetonitrile

Flow: 0.5 mL/min

Injection Volume: 350 µL

MS detection: extracted ion chromatogram for diethylamine (m/z = 74, blue) and triethylamine (m/z = 102, red)



Results:	Diethylamine µg/L	Triethylamine µg/L
	0.2	0.2