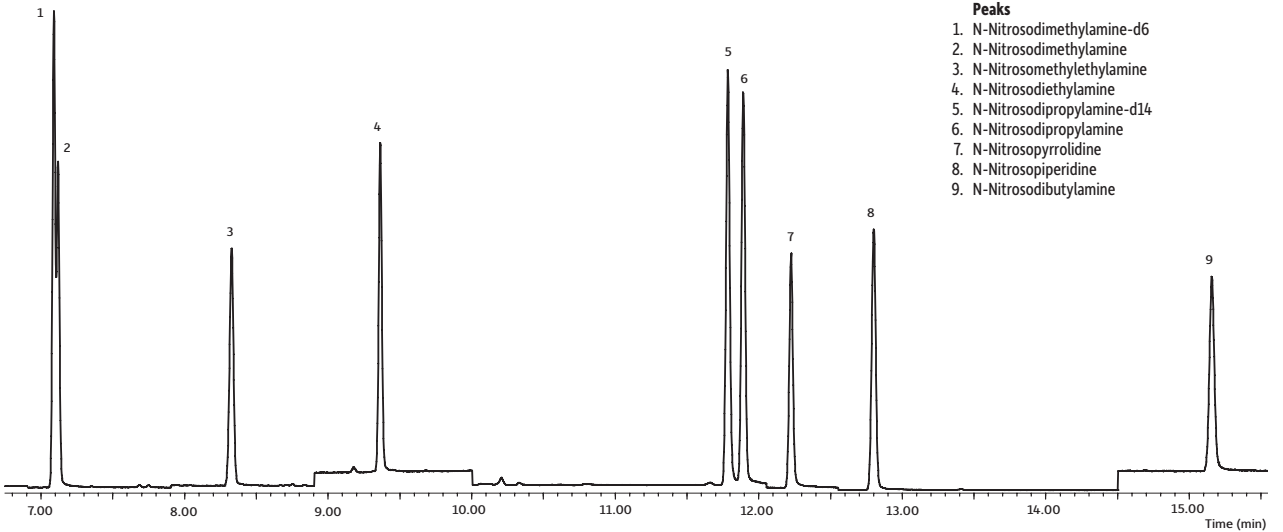
Nitrosamines in Drinking Water on Rxi®-624Sil MS by Modified EPA Method 521 Utilizing CSR-LVSI



GC_EV1286

Column	Rxi®-624Sil MS, 30 m, 0.25 mm ID, 1.40 µm (cat.# 13868) using Rxi® guard column 5 m, 0.25 mm ID (cat.# 10029) with universal Press-Tight® connectors (cat.# 20429)
Sample	N-Nitrosodimethylamine-d6 (cat.# 33910) N-Nitrosodi-*n*-propylamine-d14 (cat.# 33911) Nitrosamine calibration mix, method 521 (cat.# 31898)
Diluent:	Dichloromethane
Conc.:	10 ng/mL
Injection	
Inj. Vol.:	10 µL splitless (hold 1 min)
Liner:	Premium 4 mm single taper w/wool (cat.# 23303.5)
Inj. Temp.:	250 °C
Purge Flow:	80 mL/min
Oven	
Oven Temp:	38 °C (hold 1 min) to 160 °C at 12 °C/min to 200 °C at 5 °C/min (hold 1 min)
Carrier Gas	He, constant flow
Flow Rate:	1.4 mL/min
Detector	Agilent 5975C

SIM Program:

Group	Start Time (min)	Ion(s)	Dwell (ms)
1	6.9	80, 74, 46, 43, 42 m/z	23
2	7.9	88, 56, 43, 42 m/z	30
3	8.9	102, 56, 44, 42 m/z	30
4	10	130, 78, 70, 58, 46, 43, 42 m/z	15
5	12.05	100, 68, 42, 41 m/z	30
6	14.5	158, 116, 84, 57, 41 m/z	23

Transfer Line Temp.:	280 °C
Analyzer Type:	Quadrupole
Source Temp.:	230 °C
Quad Temp.:	150 °C
Solvent Delay Time:	6.9 min
Tune Type:	BFB
Ionization Mode:	EI
Instrument	Agilent 7890A GC & 5975C MSD

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