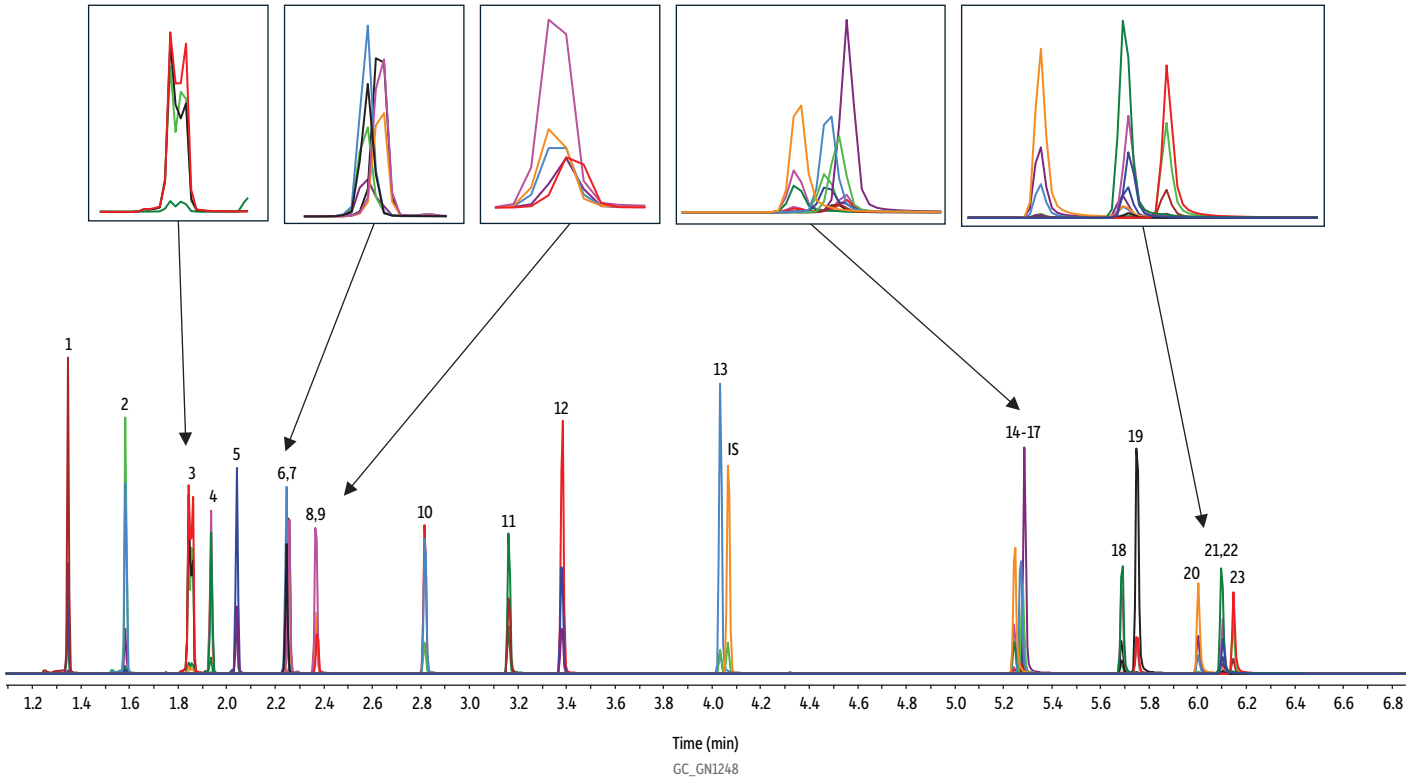


Customer Analysis of Aryl Amines on LPGC Rxi-35Sil MS



Peaks	ts (min)	Conc. (µg/mL)	Quant Ion	Peaks	ts (min)	Conc. (µg/mL)	Quant Ion
1. Aniline	1.346	1168.16	93	12. 2-Naphthylamine	3.385	11.90	143
2. o-Toluidine	1.582	11.76	106	13. 4-Aminobiphenyl	4.033	12.02	169
3. Xylidine	1.843	11.86	121	14. 4,4'-Oxydianiline	5.249	12.31	200
4. o-Anisidine	1.936	11.94	108	15. 4,4'-Methylenedianiline	5.274	12.18	198
5. 4-Chloroaniline	2.042	12.05	127	16. Benzidine-d8	5.28	5.26	192
6. p-Cresidine	2.247	12.07	122	17. Benzidine	5.286	12.27	184
7. 2,4,5-Trimethylaniline	2.253	11.93	120	18. 4,4'-Methylenedi-o-toluidine	5.691	12.16	226
8. 1,4-Phenylenediamine	2.365	12.19	108	19. 3,3'-Dimethylbenzidine	5.747	12.16	212
9. 4-Chloro-o-toluidine	2.371	11.95	143	20. 4,4'-Thiodianiline	6.003	12.62	216
10. 2,4-Diaminotoluene	2.815	11.93	122	21. 3,3'-Dichlorobenzidine	6.097	12.28	252
11. 2,4-Diamionanisole	3.161	12.13	123	22. 4,4'-Methylene-bis(2-chloroaniline)	6.103	12.38	231
				23. o-Dianisidine	6.147	12.59	244

Column LPGC Rxi-35Sil MS column kit, includes 10 m x 0.32 mm ID x 0.25 µm Rxi-35Sil MS analytical column and 5 m x 0.15 mm ID Rxi restrictor factory connected via SiTite connector (cat.# 11806)

Standard/Sample Custom aryl amine standard

Diluent: Acetonitrile

Injection

Inj. Vol.: 0.75 µL splitless

Inj. Temp.: 280 °C

Oven

Oven Temp.: 55 °C (hold 0.5 min) to 100 °C at 70 °C/min to 300 °C at 35 °C/min

Carrier Gas He, constant flow

Flow Rate: 0.8 mL/min

Detector SIM/Scan

Scan Program:

Group	Start Time (min)	Scan Range (amu)	Scan Rate (scans/sec)
1	1	35-300	9.7

Transfer Line Temp.: 300 °C

Analyzer Type: Quadrupole

Source Temp.: 230 °C

Quad Temp.: 150 °C

Electron Energy: 70 eV

Tune Type: PFTBA

Ionization Mode: EI

Notes Data collected by SATRA, an accredited, independent research and testing organization in the UK.