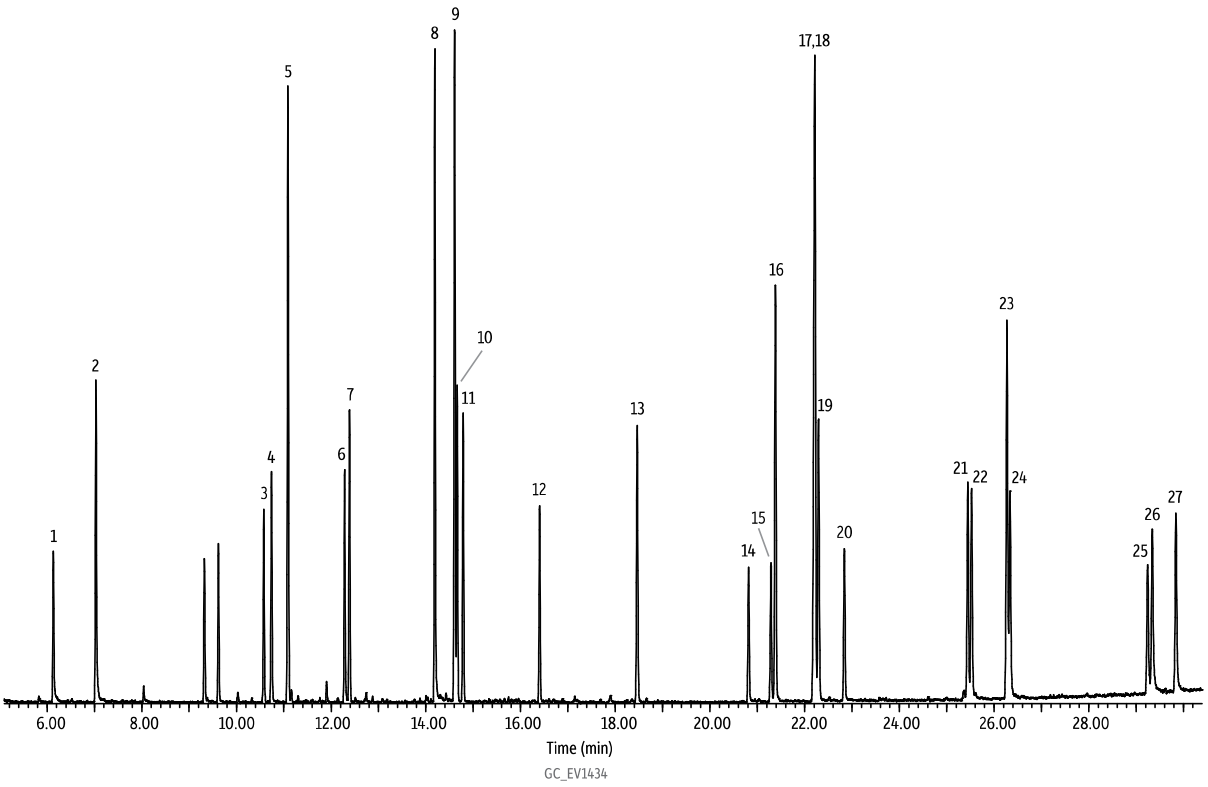
EPA Method 525.3 PAH Calibration Standard (with 525.3 Internal and Surrogate Standards) on Rxi®-5Sil MS



	Peaks	t_R (min)
1.	Isophorone	6.13
2.	1,3-Dimethyl-2-nitrobenzene (SS)	7.03
3.	Dimethylphthalate	10.58
4.	Acenaphthylene	10.74
5.	Acenaphthene-D10 (IS)	11.08
6.	Diethylphthalate	12.28
7.	Fluorene	12.39
8.	Pentachlorophenol-C13 (IS)	14.19
9.	Phenanthrene-D10 (IS)	14.60
10.	Phenanthrene	14.66
11.	Anthracene	14.78
12.	Dibutyl phthalate	16.40
13.	Pyrene	18.46
14.	Butylbenzylphthalate	20.82
15.	Di(2-ethylhexyl)adipate	21.29
16.	Triphenyl phosphate (SS)	21.38
17.	Benzo[a]anthracene	22.19
18.	Chrysene-D12 (IS)	22.22
19.	Chrysene	22.30
20.	Di(2-ethylhexyl)phthalate	22.84
21.	Benzo[b]fluoranthene	25.45
22.	Benzo[k]fluoranthene	25.53
23.	Benzo[a]pyrene-D12 (SS)	26.27
24.	Benzo[a]pyrene	26.34
25.	Indeno[1,2,3-cd]pyrene	29.25
26.	Dibenzo[a,h]anthracene	29.34
27.	Benzo[ghi]perylene	29.84

Column	Rxi®-5Sil MS, 30 m, 0.25 mm ID, 0.25 µm (cat.# 13623)
Sample	EPA Method 525.3 PAH cal standard (cat.# 32545) EPA Method 525.3 PAH IS mix (cat.# 32547) EPA Method 525.3 PCP IS (cat.# 32548) EPA Method 525.3 surrogate standard (cat.# 32549)
Diluent:	Ethyl acetate
Conc.:	2 µg/mL
Injection	
Inj. Vol.:	1 µL pulsed splitless (hold 1 min)
Liner:	Sky® 4 mm single taper w/wool (cat.# 23303.1)
Inj. Temp.:	275 °C
Pulse Pressure:	30 psi (206.8kPa)
Pulse Time:	1 min
Purge Flow:	80 mL/min
Oven	
Oven Temp.:	70 °C (hold 1 min) to 200 °C at 10 °C/min to 320 °C at 7 °C/min (hold 3 min)
Carrier Gas	He, constant flow
Flow Rate:	1.2 mL/min
Detector	MS
Mode:	Scan

Scan Program:

Goup	Start Time (min)	Scan Range (amu)	Scan Rate (scans/sec)
1	5	45-550	5.5

Transfer Line Temp.:	280 °C
Analyzer Type:	Quadrupole
Source Type:	Extractor
Extractor Lens:	6 mm ID
Source Temp.:	350 °C
Quad Temp.:	200 °C
Solvent Delay Time:	5 min
Tune Type:	DFTPP
Ionization Mode:	EI
Instrument	Agilent 7890B GC & 5977A MSD

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