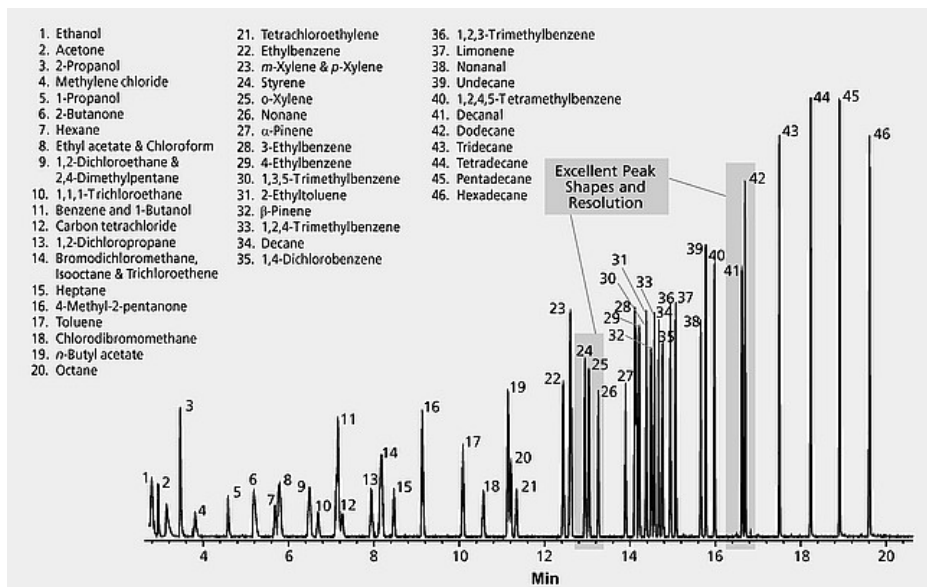


GC Analysis of an Indoor Air Standard on Equity®-1



Conditions

column	Equity®-1, 30 m x 0.25 mm I.D., 1.0 µm (28049-U)
oven	35 °C (3 min), 8 °C/min to 100 °C, 20 °C/min to 250 °C (10 min)
carrier gas	helium, 30 cm/sec @ 35 °C
sample	100 ng on-column of the Japanese Indoor Air Standards Mix (47537-U)
injection	1 µL, 10:1 split
liner	split, cup design
inj. temp.	250 °C
MSD interface	325 °C
scan range	m/z 33-350

Description















Categories	Analytical Chromatography, GC Applications, Air Monitoring Applications, Volatiles
Featured Industry	Environmental Industrial Hygiene
Legal Information	Equity is a registered trademark of Sigma-Aldrich Co. LLC
Other Notes	Complementary products: Syringes Vials Gas Purification and Gas Management Inlet Liners, Glass Wool, and Specialized Hand Tools Septa and Specialized Hand Tools Column Ferrules, Nuts, and Specialized Hand Tools
suitability	application for air monitoring, application for GC

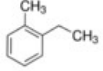
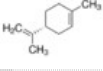
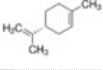
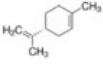
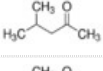
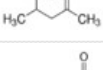
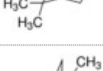
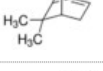
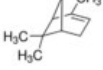
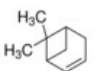
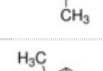
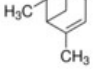
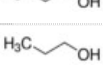
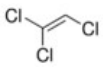
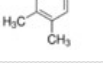
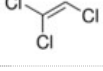
Analyte

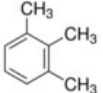
- 1,1,1-Trichloroethane
- 1,2,3-Trimethylbenzene
- 1,2,4,5-Tetramethylbenzene
- 1,2,4-Trimethylbenzene
- 1,2-Dichloroethane
- 1,2-Dichloropropane
- 1,3,5-Trimethylbenzene
- 1,4-Dichlorobenzene
- 1-Butanol
- 1-Propanol
- 2,4-Dimethylpentane
- 2-Butanone

- 2-Ethyltoluene
- 2-Propanol
- 3-Ethylbenzene
- 4-Ethylbenzene
- 4-Methyl-2-pentanone
- Acetone
- Benzene
- Bromodichloromethane
- Carbon tetrachloride
- Chlorodibromomethane
- Chloroform
- Decanal
- Decane
- Dodecane
- Ethanol
- Ethyl acetate
- Ethylbenzene
- Heptane
- Hexadecane
- Hexane
- Isooctane
- Limonene
- Methylene chloride
- m-Xylene
- n-Butyl acetate
- Nonanal
- Nonane
- Octane
- o-Xylene
- Pentadecane
- p-Xylene
- Styrene
- Tetrachloroethylene
- Tetradecane
- Toluene
- Trichloroethene
- Tridecane
- Undecane
- α -Pinene
- β -Pinene

Materials

Product #	Image	Description	Add to Cart
90872		Acetone analytical standard	prix
PHR1219		Acetone Pharmaceutical Secondary Standard; Certified Reference Material	prix
48358		Acetone solution certified reference material, 2000 $\mu\text{g/mL}$ in methanol: water (9:1)	prix
19422		1-Butanol analytical standard	prix
PHR1209		1-Butanol Pharmaceutical Secondary Standard; Certified Reference Material	prix
442665		1-Butanol analytical standard	prix
47537-U		52 Component Indoor Air Standard certified reference material, 100 $\mu\text{g/mL}$ each component in methanol: water (95:5)	prix
D7384		Decanal $\geq 98\%$ (GC), liquid	prix
W236209		Decanal FCC, FG	prix
59581		Decanal analytical standard	prix
30540		Decane analytical standard	prix
28049-U		Equity [®] -1 Capillary GC Column L \times I.D. 30 m \times 0.25 mm, d_f 1.00 μm	prix
48075		Ethanol solution certified reference material, 2000 $\mu\text{g/mL}$ in methanol	prix
E-031		Ethanol-100 (10 ampules/kit) 100 mg/dL in H ₂ O, ampule of 10 \times 1.2 mL, certified reference material, Cerilliant [®]	prix
58958		Ethyl acetate analytical standard	prix
PHR1481		Ethyl Acetate Pharmaceutical Secondary Standard; Certified Reference Material	prix

Product #	Image	Description
47947		Ethyl acetate solution certified reference material, 2000 µg/mL in methanol
E49401		2-Ethyltoluene 99%
183164		(R)-(+)-Limonene 97%
62118		(R)-(+)-Limonene analytical standard
00590590		(R)-(+)-Limonene primary reference standard
PHR1556		Methyl Isobutyl Ketone Pharmaceutical Secondary Standard; Certified Reference Material
02474		4-Methyl-2-pentanone analytical standard
W278203		Nonanal ≥95%, FCC
N30803		Nonanal 95%
442719		Nonanal analytical standard
442700		Pentadecane analytical standard
W290203		(-)-α-Pinene ≥97%, FCC, FG
305715		(-)-α-Pinene 99%, optical purity ee: 97% (GLC)
80599		(-)-α-Pinene analytical standard
147524		α-Pinene 98%
00040590		α-Pinene primary reference standard
96566		1-Propanol analytical standard
PHR1208		1-Propanol Pharmaceutical Secondary Standard; Certified Reference Material
1570406		1-Propanol United States Pharmacopeia (USP) Reference Standard
PHR1319		Residual Solvent - Trichloroethylene Pharmaceutical Secondary Standard; Certified Reference Material
74658		1,2,4,5-Tetramethylbenzene Standard for quantitative NMR, TraceCERT®
T19607		1,2,4,5-Tetramethylbenzene 98%
46267		Trichloroethylene analytical standard
40085		Trichloroethylene solution certified reference material, 5000 µg/mL in methanol

Product #	Image	Description	
45935		1,2,3-Trimethylbenzene analytical standard	