

Method 625 (Semivolatiles)

**Semivolatiles MegaMix<sup>®</sup>, EPA Method 625** (54 components)

- acenaphthene
- acenaphthylene
- anthracene
- benzo(a)anthracene
- benzo(a)pyrene
- benzo(b)fluoranthene
- benzo(ghi)perylene
- benzo(k)fluoranthene
- benzyl butyl phthalate
- bis(2-chloroethoxy)methane
- bis(2-chloroethyl)ether
- bis(2-chloroisopropyl)ether
- bis(2-ethylhexyl)phthalate
- 4-bromophenyl phenyl ether
- 4-chloro-3-methylphenol
- 2-chloronaphthalene
- 2-chlorophenol
- 4-chlorophenyl phenyl ether
- chrysene
- dibenzo(a,h)anthracene
- 1,2-dichlorobenzene
- 1,3-dichlorobenzene
- 1,4-dichlorobenzene
- 2,4-dichlorophenol
- diethylphthalate
- 2,4-dimethylphenol
- dimethylphthalate
- di-*n*-butylphthalate
- 4,6-dinitro-2-methylphenol
- 2,4-dinitrophenol
- 2,4-dinitrotoluene
- 2,6-dinitrotoluene
- di-*n*-octylphthalate
- diphenylamine\*



- fluoranthene
- fluorene
- hexachlorobenzene
- hexachloro-1,3-butadiene
- hexachlorocyclopentadiene\*
- hexachloroethane
- indeno(1,2,3-cd)pyrene
- isophorone
- naphthalene
- nitrobenzene
- 2-nitrophenol
- 4-nitrophenol
- N-nitrosodimethylamine\*
- N-nitroso-di-*n*-propylamine
- pentachlorophenol
- phenanthrene
- phenol
- pyrene
- 1,2,4-trichlorobenzene
- 2,4,6-trichlorophenol

1,000 µg/mL each in methylene chloride, 1mL/ampul  
cat. # 31829 (ea.)

\*Listed as an "additional compound" in Method 625 (listed compound N-nitrosodiphenylamine decomposes to MegaMix component diphenylamine). The six other "additional compounds" are components in other Restek reference mixes used for Method 625: benzidine is included in cat.# 31030 (page 464); β-BHC, δ-BHC, endosulfan I, endosulfan II, endrin are in cat.# 32291 (page 472) and cat.# 32415 (page 473).

**625 Kit**

Because most laboratories do not routinely analyze pesticides, PCBs, toxaphene, and chlordane in their calibration mixtures for Method 625, these mixtures are not included in the 625 Kit. They may be purchased separately or in the 608 Complete Kit. See page 465.

Contains 1mL each of these mixtures.

- 31029: 604 Phenols Mix
- 31030: 605 Benzidines Mix
- 31031: 606 Phthalate Esters Mix
- 31032: 607 Nitrosamines Mix
- 31033: 609 Nitroaromatics/Isophorone Mix
- 31011: 610 PAH Mix (SV Calibration Mix #5)
- 31034: 611 Haloethers Mix
- 31035: 612 Chlorinated Hydrocarbons Mix

cat. # 31036 (kit)

Quantity discounts not available.

Kit components described on pages 464–465.



Individual Semivolatile Surrogate and Internal Standards for EPA Methods

Volume is 1mL/ampul. Concentration is µg/mL.

Compound	Solvent	Conc.	cat.# (ea.)	price
anthracene-d10	D	2,000	31037	
decafluorobiphenyl	D	2,000	31041	
decafluorobiphenyl	A	1,000	31855	
4,4'-dibromobiphenyl	D	2,000	31039	
4,4'-dibromooctafluorobiphenyl	D	2,000	31040	
2-fluorobiphenyl	D	2,000	31091	
1-fluoronaphthalene	D	2,000	31092	
2-fluorophenol	D	2,000	31047	
naphthalene-d8	D	2,000	31043	
nitrobenzene-d5	D	2,000	31044	
pentafluorophenol	D	2,000	31048	
phenanthrene-d10	D	2,000	31045	
phenol-d6	D	2,000	31049	
pyridine-d5	D	2,000	31046	
<i>p</i> -terphenyl-d14	D	1,000	31828	
2,4,6-tribromophenol	M	1,000	31401	

A = acetone; D = methylene chloride; M = methanol

**SV Internal Standard Mix** (6 components)

- acenaphthene-d10
- chrysene-d12
- 1,4-dichlorobenzene-d4
- naphthalene-d8
- perylene-d12
- phenanthrene-d10

	Each	15-pk.	25-pk.
2,000 µg/mL each in methylene chloride, 1mL/ampul	31206 \$42	31206.15	31206.25
4,000 µg/mL each in methylene chloride, 1mL/ampul	31006 \$80	31006.15	31006.25

**Antifoam Agent for Purge & Trap Samples**

Foam generated as purge gas passes through a sample can enter the analytical trap, and possibly the GC column. Our silica-containing antifoam agent is effective over a wide pH range, and will not conflict with chromatography of target analytes.

Neat, 1mL/ampul

cat. # 31822 (ea.)

No data pack available.

also available

Try Restek's Rxi<sup>®</sup>-5Sil MS columns for EPA Methods 625 and 8270. Guaranteed for low GC/MS bleed, excellent phenol response, and the resolution needed to quantify critical pairs and structural isomers.

See **page 87** for more information.

