



**John Lidgett**  
Analytical Reference  
Materials Technical  
Specialist  
16+ years of service!

## also available

Our Rtx®-VMS capillary GC column is optimized for EPA Method 624!

See page 87 for more information.

## Antifoam Agent for Purge & Trap Samples

Foam generated as purge gas passes through a sample can enter the analytical trap, and possibly into 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.

## Method 624 (Purgeable Halocarbons)

### Volatiles MegaMix®, EPA Method 624

(26 components)

benzene	1,1-dichloroethene
bromodichloromethane	<i>trans</i> -1,2-dichloroethene
bromoform	1,2-dichloropropane
carbon tetrachloride	<i>cis</i> -1,3-dichloropropene
chlorobenzene	<i>trans</i> -1,3-dichloropropene
2-chloroethyl vinyl ether	ethylbenzene
chloroform	methylene chloride
dibromochloromethane	1,1,2,2-tetrachloroethane
1,2-dichlorobenzene	tetrachloroethene
1,3-dichlorobenzene	toluene
1,4-dichlorobenzene	1,1,1-trichloroethane
1,1-dichloroethane	1,1,2-trichloroethane
1,2-dichloroethane	trichloroethene

2,000µg/mL each in P&T methanol, 1mL/ampul  
cat. # 30497 (ea.)

### 624 Internal Standard Mix

bromochloromethane	1,4-dichlorobutane
2-bromo-1-chloropropane	

1,500µg/mL each in P&T methanol, 1mL/ampul  
cat. # 30023 (ea.)

### 624 Surrogate Standard Mix

4-bromofluorobenzene	pentafluorobenzene
fluorobenzene	

2,000µg/mL each in P&T methanol, 1mL/ampul  
cat. # 30243 (ea.)

### Surrogate Standard

4-bromofluorobenzene	α,α,α-trifluorotoluene
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2,500µg/mL each in P&T methanol, 1mL/ampul  
cat. # 30484 (ea.)

### 624 Calibration Mix #1 (gases)

bromomethane	trichlorofluoromethane
chloroethane	(CFC-11)
chloromethane	vinyl chloride

2,000µg/mL each in P&T methanol, 1mL/ampul  
cat. # 30020 (ea.)

### 624 Calibration Mix #2 (12 components)

benzene	1,1-dichloroethene
carbon tetrachloride	1,2-dichloropropane
chlorobenzene	methylene chloride
2-chloroethyl vinyl ether	tetrachloroethene
dibromochloromethane	1,1,2-trichloroethane
1,1-dichloroethane	trichloroethene

2,000µg/mL each in P&T methanol, 1mL/ampul  
cat. # 30021 (ea.)

### 624 Calibration Mix #3 (14 components)

bromodichloromethane	<i>trans</i> -1,2-dichloroethene
bromoform	<i>cis</i> -1,3-dichloropropene
chloroform	<i>trans</i> -1,3-dichloropropene
1,2-dichlorobenzene	ethylbenzene
1,3-dichlorobenzene	1,1,2,2-tetrachloroethane
1,4-dichlorobenzene	toluene
1,2-dichloroethane	1,1,1-trichloroethane

2,000µg/mL each in P&T methanol, 1mL/ampul  
cat. # 30022 (ea.)

## Individual VOA Surrogate and Internal Standards for EPA Methods

Compound	cat.# (ea.)
2,000µg/mL in P&T methanol, 1mL/ampul	
benzene-d6	30025
2-bromochlorobenzene	30228
4-bromochlorobenzene	30230
bromochloromethane	30225
2-bromo-1-chloropropane	30226
4-bromofluorobenzene	30026
chlorobenzene-d5	30223
1-chloro-2-fluorobenzene	30040
1,2-dichlorobenzene-d4	30049
1,4-dichlorobutane	30227
1,2-dichloroethane-d4	30027
1,4-difluorobenzene	30032
ethylbenzene-d5	30028
ethylbenzene-d10	30029
fluorobenzene	30030
pentafluorobenzene	30031
toluene-d8	30224
α,α,α-trifluorotoluene	30048

## Method 625 (Semivolatiles)

### Semivolatiles MegaMix®, EPA Method 625

(54 components)

acenaphthene	di- <i>n</i> -butylphthalate
acenaphthylene	4,6-dinitro-2-methylphenol
anthracene	2,4-dinitrophenol
benzo(a)anthracene	2,4-dinitrotoluene
benzo(a)pyrene	2,6-dinitrotoluene
benzo(b)fluoranthene	di- <i>n</i> -octylphthalate
benzo(ghi)perylene	diphenylamine*
benzo(k)fluoranthene	fluoranthene
benzyl butyl phthalate	fluorene
bis(2-chloroethoxy)methane	hexachlorobenzene
bis(2-chloroethyl)ether	hexachloro-1,3-butadiene
bis(2-chloroisopropyl)ether	hexachlorocyclopentadiene*
bis(2-ethylhexyl)phthalate	hexachloroethane
4-bromophenyl phenyl ether	indeno(1,2,3-cd)pyrene
4-chloro-3-methylphenol	isophorone
2-chloronaphthalene	naphthalene
2-chlorophenol	nitrobenzene
4-chlorophenyl phenyl ether	2-nitrophenol
chrysene	4-nitrophenol
dibenzo(a,h)anthracene	N-nitrosodimethylamine*
1,2-dichlorobenzene	N-nitroso-di- <i>n</i> -propylamine
1,3-dichlorobenzene	pentachlorophenol
1,4-dichlorobenzene	phenanthrene
2,4-dichlorophenol	phenol
diethylphthalate	pyrene
2,4-dimethylphenol	1,2,4-trichlorobenzene
dimethylphthalate	2,4,6-trichlorophenol

1,000µg/mL each in methylene chloride:benzene (75:25), 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 454); β-BHC, δ-BHC, endosulfan I, endosulfan II, endrin are in cat.# 32291 (page 460) and cat.# 32415 (page 460).