

# New Reference Materials for Methods 525.2 & 527

## Method 525.2

### Method 525.2 Semivolatile Mix (revised)

(28 components)

acenaphthylene	di- <i>n</i> -butylphthalate
anthracene	di- <i>n</i> -octylphthalate
benzo(a)anthracene	2,4-dinitrotoluene
benzo(a)pyrene	2,6-dinitrotoluene
benzo(b)fluoranthene	fluoranthene
benzo(ghi)perylene	fluorene
benzo(k)fluoranthene	hexachlorobenzene
benzylbutylphthalate	hexachlorocyclopentadiene
bis(2-ethylhexyl)adipate	indeno(1,2,3-cd)pyrene
bis(2-ethylhexyl)phthalate	isophorone
chrysene	naphthalene
dibenzo(a,h)anthracene	pentachlorophenol*
diethylphthalate	phenanthrene
dimethylphthalate	pyrene

1,000µg/mL each in acetone, (\*pentachlorophenol at 4,000µg/mL),  
1mL/ampul

cat. # 31899 (ea.)

### Method 525.2 PCB Congener Mix (8 components)

2-chlorobiphenyl (BZ#1)	2,2',4,4',5,6'-hexachlorobiphenyl (BZ#154)
2,3-dichlorobiphenyl (BZ#5)	
2,4,5-trichlorobiphenyl (BZ#29)	2,2',3,3',4,4',6-heptachloro- biphenyl (BZ#171)
2,2',4,4'-tetrachlorobiphenyl (BZ#47)	2,2',3,3',4,5',6,6'-octachloro- biphenyl (BZ#200)
2,2',3',4,6-pentachlorobiphenyl (BZ#98)	

200µg/mL each in acetone, 1mL/ampul

cat. # 32420 (ea.)

### Organochlorine Pesticide Mix AB # 3

(20 components)

aldrin	dieldrin
α-BHC	endosulfan I
β-BHC	endosulfan II
δ-BHC	endosulfan sulfate
γ-BHC (lindane)	endrin
α-chlordane	endrin aldehyde
γ-chlordane	endrin ketone
4,4'-DDD	heptachlor
4,4'-DDE	heptachlor epoxide (B)
4,4'-DDT	methoxychlor

2,000µg/mL each in hexane:toluene (1:1), 1mL/ampul

cat. # 32415 (ea.)

### Organonitrogen Pesticide Mix #1 (Rev), Method 525.2

(37 components)

alachlor	molinate
ametryn	napropamide (Devrinol®)
atraton	norflurazon
atrazine	pebulate
bromacil	prometon
butachlor	prometryne
butylate	pronamide (propyzamide)
chlorpropham	propachlor
cyazazine (Bladex)	propazine
cycloate	simazine
diphenamid	simetryn
EPTC	tebuthiuron
etridiazole (Terrazole®)	terbacil
fenarimol	terbutryn
fluridone (Sonar®)	triadimefon
hexazinone (Velpar®)	tricyclazole (Beam)
metolachlor	trifluralin
metribuzin	vernolate
MGK-264	

500µg/mL each in acetone, 1mL/ampul

cat. # 33012 (ea.)



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## Organochlorine Pesticide Mix #2 (Rev), Method 525.2 (8 components)

chlorobenzilate	heptachlor epoxide (isomer A)
chloroneb	<i>trans</i> -nonachlor
chlorothalonil	<i>cis</i> -permethrin
DCPA methyl ester (Dacthal®)	<i>trans</i> -permethrin

500µg/mL each in acetone, 1mL/ampul  
cat. # 33011 (ea.)

## Organophosphorus Pesticide Mix #1 (Rev), Method 525.2 (7 components)

chlorpyrifos (Dursban®)	methyl paraoxon (Parathion)
dichlorvos (DDVP)	methyl-O-analog
disulfoton sulfone	mevinphos (Phosdrin)
ethoprop (ethoprophos)	stirofos (tetrachlorvinphos)

500µg/mL each in acetone, 1mL/ampul  
cat. # 33013 (ea.)

## Method 525.2 Nitrogen/Phosphorus Pesticide Mix #2 (6 components)

carboxin	fenamiphos
diazinon	merphos
disulfoton	terbufos

1,000µg/mL each in acetone, 1mL/ampul  
cat. # 32423 (ea.)

## QA Mixes

### Method 525.2 Fortification Recovery Standard

*p*-terphenyl-d14  
1,000µg/mL in methylene chloride, 1mL/ampul  
cat. # 31828 (ea.)

### Method 525.2 Internal Standard Mix

acenaphthene-d10	phenanthrene-d10
chrysene-d12	

1,000µg/mL each in acetone, 1mL/ampul  
cat. # 31825 (ea.)

### Method 525.2 Surrogate Standard Mix

2-nitro- <i>m</i> -xylene	pyrene-d10
perylene-d12	triphenylphosphate

1,000µg/mL each in acetone, 1mL/ampul  
cat. # 31826 (ea.)

### Method 525.2 GC/MS Performance Check Mix

4,4'-DDT  
DFTPP (decafluorotriphenylphosphine)  
endrin  
1,000µg/mL each in acetone, 1mL/ampul  
cat. # 31827 (ea.)

## Method 527

### PBDE Mix

2,2',4,4',5-pentabromodiphenyl ether (BDE-99)  
2,2',4,4',5,5'-hexabromobiphenyl  
2,2',4,4',5,5'-hexabromodiphenyl ether (BDE-153)  
2,2',4,4',6-pentabromodiphenyl ether (BDE-100)  
2,2',4,4'-tetrabromodiphenyl ether (BDE-47)  
100µg/mL each in isooctane:ethyl acetate (4:1), 1mL/ampul  
cat. # 33006 (ea.)

### Pesticides Mix #1, Method 527 (16 components)

atrazine	mirex
bifenthrin	nitrofen
esbiol, (Bioallethrin®, S-cyclopentyl isomer)	norflurazon
bromacil	oxychlorane
esfenvalarate	prometryne
fenvalarate	propazine
hexazinone	thiobencarb
kepone	vinclozolin

500µg/mL each in ethyl acetate, 1mL/ampul  
cat. # 33007 (ea.)

### Pesticides Mix #2, Method 527

chloropyrifos (Dursban®)	parathion
dimethoate	terbufos sulfone
malathion	

500µg/mL each in ethyl acetate, 1mL/ampul  
cat. # 33008 (ea.)

## QA Mixes

### Surrogate Standard, Method 527

1,3-dimethyl-2-nitrobenzene	triphenylphosphate
perylene-d12	

500µg/mL each in acetone, 1mL/ampul  
cat. # 33009 (ea.)

### Internal Standard, Method 527

acenaphthene-d10	phenanthrene-d10
chrysene-d12	

500µg/mL each in acetone, 1mL/ampul  
cat. # 33010 (ea.)

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