

## also available

Restek offers the ChemService product line of neat pesticides and metabolites.

See pages 429-440 for more information.

**Chem Service**

### Method 8100 (Polycyclic Aromatic Hydrocarbons)

#### PAH Supplement Mix for Method 8100

(8 components)

benzo(j)fluoranthene	dibenzo(a,e)pyrene
dibenzo(a,h)acridine	dibenzo(a,h)pyrene
dibenzo(a,j)acridine	dibenzo(a,i)pyrene
7H-dibenzo(c,g)carbazole	3-methylcholanthrene

1,000µg/mL each in methylene chloride, 1mL/ampul  
cat. # 31857 (ea.)

#### SV Calibration Mix #5 / 610 PAH Mix

(16 components)

acenaphthene	chrysene
acenaphthylene	dibenzo(a,h)anthracene
anthracene	fluoranthene
benzo(a)anthracene	fluorene
benzo(a)pyrene	indeno(1,2,3-cd)pyrene
benzo(b)fluoranthene	naphthalene
benzo(k)fluoranthene	phenanthrene
benzo(ghi)perylene	pyrene

2,000µg/mL each in methylene chloride, 1mL/ampul  
cat. # 31011 (ea.)

## also available

Our 30m, 0.32mm ID, 0.50µm Rtx®-OPPesticides column provides fast analyses, low bleed, and better resolution than alternative choices.

See page 77 for details.



## also available

Additional nitrogen/phosphorus pesticide mixes are listed on page 449.

### Methods 8140, 8141 (Organophosphorus Pesticides)

The preparation of accurate and stable OP pesticide standards is complicated by their sensitivity to light, pH, heat, and water. Restek has spent more than four years researching OP pesticide mixtures. Based on this research, our procedures include:

- Solvents are assayed to ensure low water content.
- Reference mixtures are packaged in deactivated amber ampules, under an inert atmosphere.
- Purity is determined by a combination of GC/FID, GC/FPD, GC/NPD, DSC, or HPLC/UV.

#### 8140/8141 Internal Standards & Surrogates

##### NPD Detector:

1,000µg/mL in acetone, 1mL/ampul  
Internal Standard: 1-bromo-2-nitrobenzene  
cat. # 32279 (ea.)

Surrogate: 4-chloro-3-nitrobenzotrifluoride  
cat. # 32282 (ea.)

##### FPD Detector:

1,000µg/mL in acetone, 1mL/ampul  
Internal Standard: none suggested  
Surrogate: tributylphosphate  
cat. # 32280 (ea.)

Surrogate: triphenylphosphate  
cat. # 32281 (ea.)

#### 8140/8141 OP Pesticide Calibration Mix A

(20 components)

azinphos methyl	fenthion
bolstar (sulprofos)	merphos
chlorpyrifos	methyl parathion
coumaphos	mevinphos
demeton, O & S	naled
diazinon	phorate
dichlorvos	ronnel
disulfoton	stirofos
ethoprop	tokuthion (prothiofos)
fensulfothion	trichloronate

200µg/mL each in hexane:acetone (95:5), 1mL/ampul  
cat. # 32277 (ea.)

#### 8141 OP Pesticide Calibration Mix B

(7 components)

dimethoate	parathion
EPN	sulfotepp
malathion	TEPP
monocrotophos	

200µg/mL each in hexane:acetone (95:5), 1mL/ampul  
cat. # 32278 (ea.)

## please note

Restek OPP standards are stable for at least 12 months.