



Method 525.3 was developed by the US EPA for the determination of semi-volatile organic chemicals in drinking water. This is an analytical method that uses solid phase extraction (SPE) and gas chromatography/mass spectrometry (GC/MS) for the identification and quantitation of 123 selected compounds. These compounds range from polychlorinated biphenyls (PCBs), poly aromatic hydrocarbons (PAHs), and pesticides. The standards can be purchased individually or as a complete set for your laboratory's particular needs. Additionally, the required surrogate and internal standards are also offered.

**Method 525.3 Semi-Volatile Organic Chemicals in Drinking Water**

**PCB and PAH Standard**

**M-525.3-01**

500 µg/mL each in Acetone

1 x 1 mL  
30 comps.

2-Chlorobiphenyl  
4-Chlorobiphenyl  
2,4'-Dichlorobiphenyl  
2,2',5-Trichlorobiphenyl  
2,4,4'-Trichlorobiphenyl  
2,2',3,5'-Tetrachlorobiphenyl  
2,2',5,5'-Tetrachlorobiphenyl  
2,3',4',5-Tetrachlorobiphenyl  
2,3,3',4',6-Pentachlorobiphenyl  
2,3',4,4',5-Pentachlorobiphenyl  
2,2',3,4,4',5'-Hexachlorobiphenyl  
2,2',3,4',5',6-Hexachlorobiphenyl  
2,2',4,4',5,5'-Hexachlorobiphenyl  
2,2',3,4,4',5,5'-Heptachlorobiphenyl  
Acenaphthylene

Anthracene  
Benz(a)anthracene  
Benzo(b)fluoranthene  
Benzo(k)fluoranthene  
Benzo(g,h,i)perylene  
Benz(a)pyrene  
Chrysene  
Dibenz(a,h)anthracene  
Fluorene  
Hexachlorobenzene  
Indeno(1,2,3-cd)pyrene  
Isophorone  
Pentachlorophenol  
Phenanthrene  
Pyrene

**Pesticide Standards**

**M-525.3-02**

500 µg/mL each in Acetone

1 x 1 mL  
33 comps.

Gesatamine	Chloroneb
Butachlor	Dacthal
Butylate	p,p'-DDD
Cycloate	p,p'-DDE
Diphenamid	p,p'-DDT
EPTC	a-Chlordane
Metolachlor	g-Chlordane
Molinat	Methoxychlor
Tillam	cis-Permethrin
Propachlor	trans-Permethrin
Propazine	Simazine
Simetryn	trans-Nonachlor
Atrazine	Chlorothalonil
a-BHC	Diisopropyl methanephosphonate
b-BHC	Profenofos
d-BHC	Vinclozolin
g-BHC	



**Phthalate Standard**

**M-525.3-05**

100 µg/mL each in Acetone

1 x 1 mL  
6 comps.

Benzyl butyl phthalate  
bis(2-Ethylhexyl)adipate  
bis(2-Ethylhexyl)phthalate

Diethyl phthalate  
Dimethyl phthalate  
Dibutyl phthalate

**Metribuzin**

**M-525.3-06**

500 µg/mL in Acetone

1 x 1 mL

Metribuzin

**Internal Standards**

**M-525.3-IS**

500 µg/mL in Acetone

1 mL  
3 comps.

Acenaphthene-d<sub>10</sub>  
Chrysene-d<sub>12</sub>

Phenanthrene-d<sub>10</sub>

**M-525.3-IS2**

1000 µg/mL in MeOH

1 x 1 mL

Pentachlorophenol-<sup>13</sup>C<sub>6</sub>

**Surrogate Standard**

**M-525.3-SS**

500 µg/mL each in Acetone

1 x 1 mL  
3 comps.

1,3-Dimethyl-2-nitrobenzene  
Triphenylphosphate

Benzo(a)pyrene-d<sub>12</sub>

**M-525.3-03**

500 µg/mL each in Acetone

1 x 1 mL  
39 comps.

Ametryn	Endosulfan sulfate
Chlorpropham	Etridiazole
Chlorpyrifos	Heptachlor
Dichlorvos	Heptachlor epoxide (Isomer B)
Ethoprop	2,4-Dinitrotoluene
Fluridone	2,6-Dinitrotoluene
Hexazinone	Hexachlorocyclopentadiene
Mevinphos	Acetochlor
Norflurazon	2,6-Di-tert-butyl-p-cresol
Prometryne	Chlorfenvinphos
Pronamide	N,N-Diethyl-m-toluamide
Tebuthiuron	Ethion
Terbutryne	Parathion
Triadimefon	Parathion-methyl
Trifluralin	Nitrofen
Vernolate	Phosphamidon
Alachlor	Tebuconazole
Aldrin	Tribufos
Chlorobenzilate	Tetrachlorvinphos
Dieldrin	

**M-525.3-04**

500 µg/mL each in Acetone

1 x 1 mL  
14 comps.

Bromacil	Disulfoton
Cyanazine	Endosulfan I
Fenarimol	Endrin
MGK-264	Dimethipin
Napropamide	Oxyfluorfen
Prometon	Phorate
Terbacil	Endosulfan II



**Method 525.3 Semi-Volatile Set**

**M-525.3-SET**

9 x 1 mL

M-525.3-01	M-525.3-06
M-525.3-02	M-525.3-IS
M-525.3-03	M-525.3-IS2
M-525.3-04	M-525.3-SS
M-525.3-05	