

SOM01.1 (Pesticides), QA Mixes**Pesticide Surrogate Mix**

decachlorobiphenyl	200µg/mL
2,4,5,6-tetrachloro- <i>m</i> -xylene	100
In P&T methanol, 1mL/ampul	
cat. # 32453 (ea.)	

Organochlorine Pesticide Resolution Check Mix (with surrogates) (22 components)

aldrin	10µg/mL	endosulfan I	10
α-BHC	10	endosulfan II	20
β-BHC	10	endosulfan sulfate	20
δ-BHC	10	endrin	20
γ-BHC (lindane)	10	endrin aldehyde	20
α-chlordane	10	endrin ketone	20
γ-chlordane	10	heptachlor	10
decachlorobiphenyl (SUR)	20	heptachlor epoxide	
dieldrin	20	(isomer B)	10
4,4'-DDD	20	methoxychlor	100
4,4'-DDE	20	2,4,5,6-tetrachloro- <i>m</i> -xylene (SUR)	10
4,4'-DDT	20		
In hexane:toluene, 1mL/ampul			
cat. # 32454 (ea.)			

04.2, 04.1, 03.2, 3/90, 4/89, and 2/88 SOW (Pesticides), QA Mixes**Pesticide Surrogate Mix**

decachlorobiphenyl	2,4,5,6-tetrachloro- <i>m</i> -xylene
200µg/mL each in acetone, 1mL/ampul	
cat. # 32000 (ea.)	

2,4,5,6-Tetrachloro-*m*-xylene

200µg/mL in acetone, 1mL/ampul	cat. # 32027 (ea.)
200µg/mL in acetone, 5mL/ampul	cat. # 32028 (ea.)

Decachlorobiphenyl (BZ #209)

200µg/mL in acetone, 1mL/ampul	cat. # 32029 (ea.)
200µg/mL in acetone, 5mL/ampul	cat. # 32030 (ea.)
10µg/mL in isooctane, 1mL/ampul	cat. # 32289 (ea.)

Dibutylchloroendate

200µg/mL in acetone, 1mL/ampul	cat. # 32025 (ea.)
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Florisil® Cartridge Check Standard

2,4,5-trichlorophenol	
1,000µg/mL in acetone, 1mL/ampul	cat. # 32017 (ea.)

Organochlorine Pesticide System Evaluation Mix

4,4'-DDT	200µg/mL
endrin	100µg/mL
In MTBE, 1mL/ampul	
cat. # 32417 (ea.)	

04.2, 04.1, 03.2, 3/90, 4/89, and 2/88**SOW (Pesticides), QA Mixes *cont'd*****Pesticide Resolution Check Mix (7 components)**

γ-chlordane	1µg/mL	endosulfan I	1
4,4'-DDE	2	endosulfan sulfate	2
dieldrin	2	endrin ketone	2
		methoxychlor	10
In hexane, 1mL/ampul			
cat. # 32001 (ea.)			

Pesticide Resolution Check Mix w/Surrogates (9 components)

γ-chlordane	1µg/mL	endosulfan sulfate	2
4,4'-DDE	2	endrin ketone	2
decachlorobiphenyl (SUR)	2	methoxychlor	10
dieldrin	2	2,4,5,6-tetrachloro- <i>m</i> -xylene (SUR)	2
endosulfan I	1		
In hexane, 1mL/ampul			
cat. # 32073 (ea.)			

Pesticide Performance Evaluation Mix

α-BHC	1µg/mL	4,4'-DDT	10
β-BHC	1	endrin	5
γ-BHC (lindane)	1	methoxychlor	25
In hexane, 1mL/ampul			
cat. # 32002 (ea.)			

Pesticide Performance Evaluation Mix w/Surrogates (8 components)

α-BHC	1µg/mL	decachlorobiphenyl (SUR)	2
β-BHC	1	endrin	5
γ-BHC (lindane)	1	methoxychlor	25
4,4'-DDT	10	2,4,5,6-tetrachloro- <i>m</i> -xylene (SUR)	2
In hexane, 1mL/ampul			
cat. # 32074 (ea.)			

CLP Pesticides Mixtures, QA Mixes**Pesticide Matrix Spike Mix**

aldrin	25µg/mL	dieldrin	50
γ-BHC (lindane)	25	endrin	50
4,4'-DDT	50	heptachlor	25
In acetone, 1mL/ampul			
cat. # 32018 (ea.)			

Pesticide Matrix Spike Mix (2/88 SOW)

aldrin	200µg/mL	dieldrin	500
γ-BHC (lindane)	200	endrin	500
4,4'-DDT	500	heptachlor	200
In methanol, 1mL/ampul			
cat. # 32031 (ea.)			

Pesticide Evaluation Mix (2/88 SOW)

aldrin	4,4'-DDT
dibutylchloroendate (SUR)	endrin
100µg/mL each in hexane, 1mL/ampul	
cat. # 32032 (ea.)	

See complete listing of PCBs, pages 481-482.

tech tip**Working with solutions containing decachlorobiphenyl**

Decachlorobiphenyl has poor solubility in most organic solvents. The maximum concentration that can be prepared in acetone, hexane, or isooctane is 200µg/mL. Temperature will affect the solubility as well. Storing solutions at reduced temperatures will cause decachlorobiphenyl to precipitate.

Products containing decachlorobiphenyl must be sonicated for a minimum of 10 minutes prior to opening the ampul. Because each ultrasonic bath operates at a different energy level, 10 minutes is a guideline only. Longer sonication time will not affect product quality.

These precautions apply to working solutions prepared in your laboratory as well. The amount of compound that precipitates depends on concentration AND temperature. If you store your standards at a temperature lower than 4°C (even dilute solutions), allow extra sonication time.

also available

See pages 78-81 for Rtx®-CLPesticides and Rtx®-CLPesticide2 capillary columns for pesticides analysis.

See pages 481-482 for our complete listing of PCBs and congeners.