

SOM01.1 (Pesticides), QA Mixes

**Pesticide Surrogate Mix** (2 components)

decachlorobiphenyl	200µg/mL
2,4,5,6-tetrachloro- <i>m</i> -xylene	100
In acetone, 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 (SS)	20	heptachlor epoxide (isomer B)	10
dieldrin	20	methoxychlor	100
4,4'-DDD	20	2,4,5,6-tetrachloro- <i>m</i> -xylene (SS)	10
4,4'-DDE	20		
4,4'-DDT	20		

In hexane:toluene (90:10), 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** (2 components)

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.)

**Dibutylchlorendate**

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**

(2 components)	
4,4'-DDT	200µg/mL endrin 100µg/mL
In methyl <i>tert</i> -butyl ether, 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 sulfate	2
4,4'-DDE	2	endrin ketone	2
dieldrin	2	methoxychlor	10
endosulfan I	1		
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 (SS)	2	methoxychlor	10
dieldrin	2	2,4,5,6-tetrachloro- <i>m</i> -xylene (SS)	2
endosulfan I	1		
In hexane, 1mL/ampul			
cat. # 32073 (ea.)			

**Pesticide Performance Evaluation Mix** (6 components)

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 (SS)	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 (SS)	2
In hexane, 1mL/ampul			
cat. # 32074 (ea.)			



**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 200 µg/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.