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tech tip

CLP OLM 04.1 Semivolatiles

Dilution

Atrazine and benzaldehyde react quickly with the methanol stabilizer used in most brands and grades of methylene chloride. This reaction will prevent you from obtaining stable, working-level calibration standards. We prepare **CLP 04.1 B/N MegaMix®** and our **Benzaldehyde** standard from methylene chloride that is stabilized with amylene and is completely free of methanol. We strongly recommend screening the methylene chloride used to dilute these mixtures and confirming that it is free of methanol.

SOM01.1 (Semivolatiles), Calibration Mixes

SOM01.1 SVOA MegaMix®

(67 components)

acenaphthene	2,4-dinitrophenol
acenaphthylene	2,4-dinitrotoluene
acetophenone	2,6-dinitrotoluene
anthracene	di- <i>n</i> -octyl phthalate
atrazine	diphenylamine ¹
benzo(a)anthracene	fluoranthene
benzo(a)pyrene	fluorene
benzo(b)fluoranthene	hexachlorobenzene
benzo(ghi)perylene	hexachloro-1,3-butadiene (hexachlorobutadiene)
benzo(k)fluoranthene	hexachlorocyclopentadiene
benzyl butyl phthalate	hexachloroethane
biphenyl	indeno(1,2,3-cd)pyrene
bis(2-chloroethoxy)methane	isophorone
bis(2-chloroethyl)ether	2-methylnaphthalene
bis(2-chloroisopropyl)ether	2-methylphenol (<i>o</i> -cresol)
(2,2'-oxybis(1-chloropropane))	3-methylphenol (<i>m</i> -cresol)*
bis(2-ethylhexyl)phthalate	4-methylphenol (<i>p</i> -cresol)*
4-bromophenyl-phenylether	naphthalene
ε-caprolactam	2-nitroaniline
carbazole	4-chloroaniline
4-chloroaniline	2-chloronaphthalene
4-chloro-3-methylphenol	4-chlorophenyl phenyl ether
2-chloronaphthalene	chrysene
2-chlorophenol	dibenzo(a,h)anthracene
4-chlorophenyl-phenylether	dibenzofuran
chrysene	1,000µg/mL each in methylene chloride, 1mL/ampul
dibenzo(a,h)anthracene	cat. # 33019 (ea.)
dibenzofuran	
3,3'-dichlorobenzidine	
2,4-dichlorophenol	*3-methylphenol and 4-methylphenol concentration is 500µg/mL.
diethylphthalate	¹ N-nitrosodiphenylamine (CLP-listed analyte) decomposes to
2,4-dimethylphenol	diphenylamine (mix component) in the injector.
dimethylphthalate	
di- <i>n</i> -butylphthalate	
4,6-dinitro-2-methylphenol	

1,000µg/mL each in methylene chloride, 1mL/ampul
cat. # 33019 (ea.)

*3-methylphenol and 4-methylphenol concentration is 500µg/mL.

¹ N-nitrosodiphenylamine (CLP-listed analyte) decomposes to diphenylamine (mix component) in the injector.

Benzaldehyde

2,000µg/mL in methylene chloride, 1mL/ampul
cat. # 33017 (ea.)

SOM01.1 SVOA MegaMix® Kit

33019: SOM01.1 SVOA MegaMix® 1,000µg/mL **kit**
33017: Benzaldehyde 2,000µg/mL

Contains 1mL each of these mixtures.

cat. # 33005 (kit)

04.2 and 04.1 (Semivolatiles), Calibration Mixes

CLP 04.1 B/N MegaMix® (49 components)

acenaphthene	diethylphthalate
acenaphthylene	dimethylphthalate
acetophenone	di- <i>n</i> -butyl phthalate
anthracene	2,4-dinitrotoluene
atrazine	2,6-dinitrotoluene
benzo(a)anthracene	di- <i>n</i> -octyl phthalate
benzo(a)pyrene	diphenylamine ¹
benzo(b)fluoranthene	fluoranthene
benzo(ghi)perylene	fluorene
benzo(k)fluoranthene	hexachlorobenzene
benzyl butyl phthalate	hexachloro-1,3-butadiene (hexachlorobutadiene)
biphenyl	hexachlorocyclopentadiene
bis(2-chloroethoxy)methane	hexachloroethane
bis(2-chloroethyl)ether	indeno(1,2,3-cd)pyrene
bis(2-chloroisopropyl)ether	isophorone
(2,2'-oxybis(1-chloropropane))	2-methylnaphthalene
bis(2-ethylhexyl)phthalate	2-methylphenol (<i>o</i> -cresol)
4-bromophenyl phenyl ether	3-methylphenol (<i>m</i> -cresol)*
ε-caprolactam	4-methylphenol (<i>p</i> -cresol)*
carbazole	naphthalene
4-chloroaniline	2-nitroaniline
2-chloronaphthalene	4-chloroaniline
4-chlorophenyl phenyl ether	2-chloronaphthalene
chrysene	4-chlorophenyl phenyl ether
dibenzo(a,h)anthracene	chrysene
dibenzofuran	dibenzo(a,h)anthracene
1,000µg/mL each in methylene chloride, 1mL/ampul	dibenzofuran
cat. # 33018 (ea.)	

¹ N-nitrosodiphenylamine (CLP-listed analyte) decomposes to diphenylamine (mix component) in the injector.

Benzaldehyde

2,000µg/mL in methylene chloride, 1mL/ampul
cat. # 33017 (ea.)

CLP 04.1 B/N MegaMix® Kit

33018: CLP 04.1 B/N MegaMix® 1,000µg/mL **kit**
33017: Benzaldehyde 2,000µg/mL

Contains 1mL each of these mixtures.

cat. # 33014 (kit)

CLP 04.1 Phenols Calibration Mix (14 components)

4-chloro-3-methylphenol	4-methylphenol
2-chlorophenol	2-nitrophenol
2,4-dichlorophenol	4-nitrophenol
2,4-dimethylphenol	pentachlorophenol
2,4-dinitrophenol	phenol
2-methyl-4,6-dinitrophenol	2,4,5-trichlorophenol
2-methylphenol	2,4,6-trichlorophenol

2,000µg/mL each in methylene chloride, 1mL/ampul
cat. # 31494 (ea.)

Benzidine Mix

benzidine 3,3'-dichlorobenzidine
2,000µg/mL each in methylene chloride, 1mL/ampul
cat. # 31834 (ea.)