

## Semi-Volatiles Mixture

**Product Number:** SVM-8270

**Page:** 1 of 3

**Lot Number:** CG-3522

**Lot Issue Date:** Oct-2010

**Expiration Date:** Nov-2011

This Certified Reference Material (RM) was manufactured and verified in accordance with ULTRA's ISO 9001 registered quality system, and the analyte concentrations were verified by our ISO 17025 accredited laboratory. The true value and uncertainty value at the 95% confidence level for each analyte, determined gravimetrically, is listed below.

Analyte	CAS#	Analyte Lot	True Value
acenaphthene	000083-32-9	29697-41	1002 ± 5 µg/mL
acenaphthylene	000208-96-8	ER030707-01	1001 ± 5 µg/mL
anthracene	000120-12-7	33383-91	1002 ± 5 µg/mL
benz[a]anthracene	000056-55-3	ER121707-01	1002 ± 5 µg/mL
benzo[b]fluoranthene	000205-99-2	ER022008-02	1002 ± 5 µg/mL
benzo[k]fluoranthene	000207-08-9	34750-27	1002 ± 5 µg/mL
benzo[ghi]perylene	000191-24-2	ER041205-01	1002 ± 5 µg/mL
benzo[a]pyrene	000050-32-8	ER050707-01	1002 ± 5 µg/mL
carbazole	000086-74-8	CEE-III-129	1001 ± 5 µg/mL
chrysene	000218-01-9	ER081006-02	1002 ± 5 µg/mL
dibenz[a,h]anthracene	000053-70-3	ER091206-01	1002 ± 5 µg/mL
fluoranthene	000206-44-0	LB61080	1001 ± 5 µg/mL
fluorene	000086-73-7	04003CK	1002 ± 5 µg/mL
indeno[1,2,3-cd]pyrene	000193-39-5	ER082107-02	1002 ± 5 µg/mL
naphthalene	000091-20-3	14205KB	1001 ± 5 µg/mL
phenanthrene	000085-01-8	07419ME	1002 ± 5 µg/mL
pyrene	000129-00-0	01216PE	1002 ± 5 µg/mL
azobenzene	000103-33-3	04606DF	1001 ± 5 µg/mL
4-chloroaniline	000106-47-8	01310MW	1001 ± 5 µg/mL
2-chloronaphthalene	000091-58-7	FIE01	1001 ± 5 µg/mL

ULTRA uses balances calibrated with weights traceable to NIST in compliance with ANSI/NCCL Z-540-1 and ISO 9001, and calibrated Class A glassware in the manufacturing of these standards.



ISO 17025:2005  
Accredited  
A2LA  
Cert. No. 0851-01

ISO 9001:2008  
Registered  
TUV USA, Inc.  
Cert. No. 09-1009

250 Smith Street, North Kingstown, RI 02852 USA  
401-294-9400 Fax: 295-2330  
[www.ultrasci.com](http://www.ultrasci.com)



William J. Leary  
Quality Assurance Manager

## Semi-Volatiles Mixture

**Product Number:** SVM-8270

**Page:** 2 of 3

**Lot Number:** CG-3522

**Lot Issue Date:** Oct-2010

**Expiration Date:** Nov-2011

Analyte	CAS#	Analyte Lot	True Value
4-chloro-3-methylphenol	000059-50-7	061657	1001 ± 5 µg/mL
dibenzofuran	000132-64-9	080477	1001 ± 5 µg/mL
1,4-dichlorobenzene	000106-46-7	22628EB	1003 ± 5 µg/mL
2,4-dichlorophenol	000120-83-2	05729EZ	1001 ± 5 µg/mL
2-methyl-4,6-dinitrophenol	000534-52-1	42136/4	1001 ± 5 µg/mL
2,4-dinitrophenol	000051-28-5	WJL-IV-165	1001 ± 5 µg/mL
2,4-dinitrotoluene	000121-14-2	18219TA	1001 ± 5 µg/mL
2,6-dinitrotoluene	000606-20-2	08328CR	1001 ± 5 µg/mL
hexachlorobenzene	000118-74-1	DG04416KY	1001 ± 5 µg/mL
hexachloroethane	000067-72-1	12604HB	1001 ± 5 µg/mL
pentachlorophenol	000087-86-5	07119HO	1001 ± 5 µg/mL
2-nitrophenol	000088-75-5	N960045	1001 ± 5 µg/mL
4-nitrophenol	000100-02-7	5518HE	1001 ± 5 µg/mL
2-nitroaniline	000088-74-4	13201TU	1001 ± 5 µg/mL
3-nitroaniline	000099-09-2	03020DL	1001 ± 5 µg/mL
4-nitroaniline	000100-01-6	KL-3926DK	1001 ± 5 µg/mL
2,4,5-trichlorophenol	000095-95-4	07521CO	1001 ± 5 µg/mL
2,4,6-trichlorophenol	000088-06-2	07509ME	1001 ± 5 µg/mL
bis(2-chloroethyl) ether	000111-44-4	BC-013187	1004 ± 5 µg/mL
bis(2-chloroethoxy)methane	000111-91-1	428-12A	1001 ± 5 µg/mL
bis(2-ethylhexyl) phthalate	000117-81-7	D-23230	1002 ± 5 µg/mL
4-bromophenyl phenyl ether	000101-55-3	05819CO	1002 ± 5 µg/mL
butyl benzyl phthalate	000085-68-7	05613ED	1003 ± 5 µg/mL
4-chlorophenyl phenyl ether	007005-72-3	28314CA	1004 ± 5 µg/mL

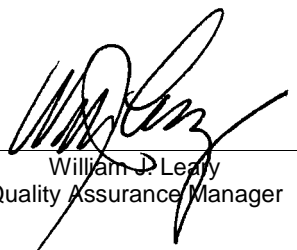
ULTRA uses balances calibrated with weights traceable to NIST in compliance with ANSI/NCSL Z-540-1 and ISO 9001, and calibrated Class A glassware in the manufacturing of these standards.



ISO 17025:2005  
Accredited  
A2LA  
Cert. No. 0851-01

ISO 9001:2008  
Registered  
TUV USA, Inc.  
Cert. No. 09-1009

250 Smith Street, North Kingstown, RI 02852 USA  
401-294-9400 Fax: 295-2330  
[www.ultrasci.com](http://www.ultrasci.com)



William J. Leary  
Quality Assurance Manager

## Semi-Volatiles Mixture

Product Number: SVM-8270

Page: 3 of 3

Lot Number: CG-3522

Lot Issue Date: Oct-2010

Expiration Date: Nov-2011

Analyte	CAS#	Analyte Lot	True Value
2-chlorophenol	000095-57-8	09624MH	1001 ± 5 µg/mL
di-n-butyl phthalate	000084-74-2	AC-011687	1001 ± 5 µg/mL
1,2-dichlorobenzene	000095-50-1	08946KY	1003 ± 5 µg/mL
1,3-dichlorobenzene	000541-73-1	05902LZ	1003 ± 5 µg/mL
diethyl phthalate	000084-66-2	09615KD	1001 ± 5 µg/mL
2,4-dimethylphenol	000105-67-9	010010	1001 ± 5 µg/mL
dimethyl phthalate	000131-11-3	D-44220	1000 ± 5 µg/mL
di-n-octyl phthalate	000117-84-0	0001418030	1000 ± 5 µg/mL
hexachlorobutadiene	000087-68-3	339923/1	1004 ± 5 µg/mL
hexachlorocyclopentadiene	000077-47-4	03907AU	1000 ± 5 µg/mL
isophorone	000078-59-1	10830MQ	1001 ± 5 µg/mL
2-methylnaphthalene	000091-57-6	15416DA	1001 ± 5 µg/mL
nitrobenzene	000098-95-3	DI-10604DI	1001 ± 5 µg/mL
N-nitrosodimethylamine	000062-75-9	12070JS	1001 ± 5 µg/mL
N-nitrosodi-n-propylamine	000621-64-7	FIM01	1001 ± 5 µg/mL
1,2,4-trichlorobenzene	000120-82-1	00334TQ	1002 ± 5 µg/mL
o-cresol	000095-48-7	09416AA	1001 ± 5 µg/mL
p-cresol	000106-44-5	09410PI	1001 ± 5 µg/mL
bis(2-chloroisopropyl) ether	000108-60-1	PR-16041	1003 ± 5 µg/mL
phenol	000108-95-2	1373574	1001 ± 5 µg/mL

**Matrix:** methylene chloride/benzene (3:1)**Storage:** Store at Room Temperature (18-25° C)

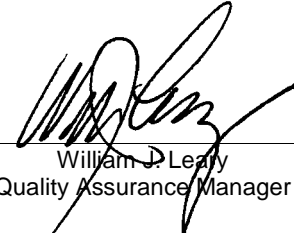
ULTRA uses balances calibrated with weights traceable to NIST in compliance with ANSI/NCSL Z-540-1 and ISO 9001, and calibrated Class A glassware in the manufacturing of these standards.



ISO 17025:2005  
Accredited  
A2LA  
Cert. No. 0851-01

ISO 9001:2008  
Registered  
TUV USA, Inc.  
Cert. No. 09-1009

250 Smith Street, North Kingstown, RI 02852 USA  
401-294-9400 Fax: 295-2330  
[www.ultrasci.com](http://www.ultrasci.com)



William J. Leary  
Quality Assurance Manager