

Semi-Volatiles Mixture

Product Number: SVM-8270

Page: 1 of 3

Lot Number: CH-2657

Lot Issue Date: 30-Aug-2011

Expiration Date: 30-Sep-2012

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 | 1003 ± 5 µg/mL |
| acenaphthylene | 000208-96-8 | ER030707-01 | 1001 ± 5 µg/mL |
| anthracene | 000120-12-7 | 09924AJ | 1003 ± 5 µg/mL |
| benz[a]anthracene | 000056-55-3 | RM01440 | 1003 ± 5 µg/mL |
| benzo[b]fluoranthene | 000205-99-2 | RM01444 | 1003 ± 5 µg/mL |
| benzo[k]fluoranthene | 000207-08-9 | 30893-34 | 1003 ± 5 µg/mL |
| benzo[ghi]perylene | 000191-24-2 | 31331-40/EGM- | 1003 ± 5 µg/mL |
| benzo[a]pyrene | 000050-32-8 | RM01390 | 1001 ± 5 µg/mL |
| carbazole | 000086-74-8 | CEE-III-129 | 1001 ± 5 µg/mL |
| chrysene | 000218-01-9 | RM01747 | 1003 ± 5 µg/mL |
| dibenz[a,h]anthracene | 000053-70-3 | EGM-30717-70 | 1003 ± 5 µg/mL |
| fluoranthene | 000206-44-0 | LB61080 | 1001 ± 5 µg/mL |
| fluorene | 000086-73-7 | 04003CK | 1003 ± 5 µg/mL |
| indeno[1,2,3-cd]pyrene | 000193-39-5 | ER082107-02/H | 1003 ± 5 µg/mL |
| naphthalene | 000091-20-3 | RM02406 | 1001 ± 5 µg/mL |
| phenanthrene | 000085-01-8 | 1290378 | 1003 ± 5 µg/mL |
| pyrene | 000129-00-0 | ER050305-03 | 1003 ± 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 | RM01875 | 1003 ± 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.



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Quality Assurance Manager

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|-----------------------------|-------------|-------------|----------------|
| 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 | N960031 | 1001 ± 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 | 55518HE | 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 | RM00079 | 1005 ± 5 µg/mL |
| bis(2-chloroethoxy)methane | 000111-91-1 | 428-12A | 1001 ± 5 µg/mL |
| bis(2-ethylhexyl) phthalate | 000117-81-7 | RM00081 | 1004 ± 5 µg/mL |
| 4-bromophenyl phenyl ether | 000101-55-3 | RM01804 | 1003 ± 5 µg/mL |
| butyl benzyl phthalate | 000085-68-7 | 05613ED | 1001 ± 5 µg/mL |
| 4-chlorophenyl phenyl ether | 007005-72-3 | A-0185 | 1002 ± 5 µg/mL |

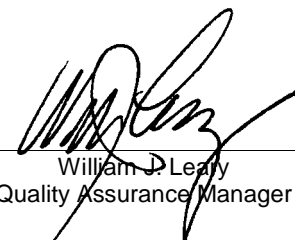
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| Analyte | CAS# | Analyte Lot | True Value |
|------------------------------|-------------|----------------|----------------|
| 2-chlorophenol | 000095-57-8 | 09624MH | 1001 ± 5 µg/mL |
| di-n-butyl phthalate | 000084-74-2 | RM00089 | 1003 ± 5 µg/mL |
| 1,2-dichlorobenzene | 000095-50-1 | RM00060 | 1003 ± 5 µg/mL |
| 1,3-dichlorobenzene | 000541-73-1 | RM00061 | 1003 ± 5 µg/mL |
| diethyl phthalate | 000084-66-2 | RM02379 | 1003 ± 5 µg/mL |
| 2,4-dimethylphenol | 000105-67-9 | 010010 | 1001 ± 5 µg/mL |
| dimethyl phthalate | 000131-11-3 | RM02377 | 1005 ± 5 µg/mL |
| di-n-octyl phthalate | 000117-84-0 | RM01159 | 1004 ± 5 µg/mL |
| hexachlorobutadiene | 000087-68-3 | RM02247 | 1001 ± 5 µg/mL |
| hexachlorocyclopentadiene | 000077-47-4 | RM00374 | 1004 ± 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 | RM00063 | 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-16041/449-4 | 1001 ± 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)

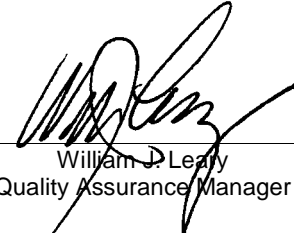
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