

VOC Mixture

Product Number: DWM-588

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Lot Number: CG-4290

Lot Issue Date: 17-Dec-2010

Expiration Date: 31-Jan-2014

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 |
|---------------------------|-------------|-------------|-----------------|
| bromochloromethane | 000074-97-5 | JS-16015HS | 2006 ± 10 µg/mL |
| bromodichloromethane | 000075-27-4 | 10529HD | 2006 ± 10 µg/mL |
| bromoform | 000075-25-2 | 12312KC | 2006 ± 10 µg/mL |
| carbon tetrachloride | 000056-23-5 | 01704MF | 2006 ± 10 µg/mL |
| chloroform | 000067-66-3 | 05143MN | 2006 ± 10 µg/mL |
| dibromochloromethane | 000124-48-1 | CU-07705AN | 2006 ± 10 µg/mL |
| dibromomethane | 000074-95-3 | EM-01514TJ | 2006 ± 10 µg/mL |
| methylene chloride | 000075-09-2 | 48191 | 2006 ± 10 µg/mL |
| trichlorofluoromethane | 000075-69-4 | DR-16417BR | 2006 ± 10 µg/mL |
| 1,2-dibromoethane | 000106-93-4 | TB-101777 | 2006 ± 10 µg/mL |
| 1,1-dichloroethane | 000075-34-3 | 64552/1 | 2006 ± 10 µg/mL |
| 1,2-dichloroethane | 000107-06-2 | KN-09446KN | 2006 ± 10 µg/mL |
| 1,1-dichloroethene | 000075-35-4 | 02226CH | 2006 ± 10 µg/mL |
| cis-1,2-dichloroethene | 000156-59-2 | MKBB9714 | 2006 ± 10 µg/mL |
| trans-1,2-dichloroethene | 000156-60-5 | 01306HD | 2006 ± 10 µg/mL |
| 1,1,1,2-tetrachloroethane | 000630-20-6 | 10312DD | 2006 ± 10 µg/mL |
| 1,1,2,2-tetrachloroethane | 000079-34-5 | 10917TB | 2006 ± 10 µg/mL |
| tetrachloroethene | 000127-18-4 | PS-00344BR | 2006 ± 10 µg/mL |
| 1,1,1-trichloroethane | 000071-55-6 | LU-13149TR | 2006 ± 10 µg/mL |
| 1,1,2-trichloroethane | 000079-00-5 | JB-0701HH | 2006 ± 10 µg/mL |

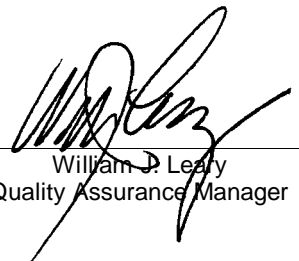
ULTRA uses balances calibrated with weights traceable to NIST in compliance with ANSI/NCSL Z-540-1 and ISO 9001, and calibrated Class A glassware in the manufacturing of these standards.



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Quality Assurance Manager

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| trichloroethene | 000079-01-6 | KN-08846KN | 2006 ± 10 µg/mL |
| 1,2-dibromo-3-chloropropane | 000096-12-8 | FBL-01 | 2006 ± 10 µg/mL |
| 1,2-dichloropropane | 000078-87-5 | DC-120777 | 2006 ± 10 µg/mL |
| 1,3-dichloropropane | 000142-28-9 | PR-17916MR | 2006 ± 10 µg/mL |
| 2,2-dichloropropane | 000594-20-7 | 03503TD | 2006 ± 10 µg/mL |
| 1,1-dichloropropene | 000563-58-6 | PR111030-8 | 2006 ± 10 µg/mL |
| cis-1,3-dichloropropene | 010061-01-5 | PR-110509-01 | 2006 ± 10 µg/mL |
| trans-1,3-dichloropropene | 010061-02-6 | SR-101007-01 | 2006 ± 10 µg/mL |
| hexachlorobutadiene | 000087-68-3 | 339923/1 | 2004 ± 10 µg/mL |
| 1,2,3-trichloropropane | 000096-18-4 | 01610KH | 2006 ± 10 µg/mL |
| naphthalene | 000091-20-3 | 14205KB | 2006 ± 10 µg/mL |
| benzene | 000071-43-2 | 34097 | 2006 ± 10 µg/mL |
| n-butylbenzene | 000104-51-8 | AA-28519CO | 2006 ± 10 µg/mL |
| sec-butylbenzene | 000135-98-8 | 07610JE | 2006 ± 10 µg/mL |
| tert-butylbenzene | 000098-06-6 | MQ-04010MQ | 2006 ± 10 µg/mL |
| ethylbenzene | 000100-41-4 | 01558CC | 2006 ± 10 µg/mL |
| isopropylbenzene | 000098-82-8 | 02827BH | 2006 ± 10 µg/mL |
| 4-isopropyltoluene | 000099-87-6 | PP-05104CP | 2006 ± 10 µg/mL |
| n-propylbenzene | 000103-65-1 | LO-14503MR | 2006 ± 10 µg/mL |
| styrene | 000100-42-5 | LR-11228MQ | 2006 ± 10 µg/mL |
| toluene | 000108-88-3 | 47144 | 2006 ± 10 µg/mL |
| 1,2,4-trimethylbenzene | 000095-63-6 | BO-13528BI | 2006 ± 10 µg/mL |
| 1,3,5-trimethylbenzene | 000108-67-8 | KM-02011HM | 2006 ± 10 µg/mL |
| o-xylene | 000095-47-6 | DO-06834CO | 2006 ± 10 µg/mL |

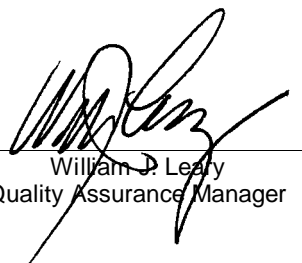
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| m-xylene | 000108-38-3 | DI-00459CI | 2006 ± 10 µg/mL |
| p-xylene | 000106-42-3 | 03747LN | 2006 ± 10 µg/mL |
| 1,4-dichlorobenzene | 000106-46-7 | 22628EB | 2006 ± 10 µg/mL |
| bromobenzene | 000108-86-1 | CG-02513MF | 2006 ± 10 µg/mL |
| chlorobenzene | 000108-90-7 | 007774MG | 2006 ± 10 µg/mL |
| 2-chlorotoluene | 000095-49-8 | KZ-03621HX | 2006 ± 10 µg/mL |
| 4-chlorotoluene | 000106-43-4 | 03327TH | 2006 ± 10 µg/mL |
| 1,2-dichlorobenzene | 000095-50-1 | 08946KY | 2006 ± 10 µg/mL |
| 1,3-dichlorobenzene | 000541-73-1 | JN-05902LZ | 2006 ± 10 µg/mL |
| 1,2,3-trichlorobenzene | 000087-61-6 | 12912PF | 2006 ± 10 µg/mL |
| 1,2,4-trichlorobenzene | 000120-82-1 | 00334TQ | 2006 ± 10 µg/mL |
| bromomethane | 000074-83-9 | 06623AQ | 2009 ± 10 µg/mL |
| chloroethane | 000075-00-3 | 00223KG | 2009 ± 10 µg/mL |
| chloromethane | 000074-87-3 | 0744048 | 2008 ± 10 µg/mL |
| dichlorodifluoromethane | 000075-71-8 | N960053 | 2008 ± 10 µg/mL |
| vinyl chloride | 000075-01-4 | 03916HJ | 2008 ± 10 µg/mL |

Matrix: methanol (methyl alcohol)

Storage: Store at < 4° C

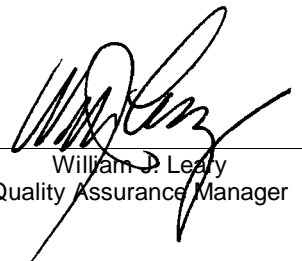
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