

# Certificate of Analysis

## Custom Standard

**Product Number:** CUS-13566

**Page:** 1 of 3

**Lot Number:** CH-3633

**Lot Issue Date:** 10-Nov-2011

**Expiration Date:** 31-Dec-2013

This Certified Reference Material (RM) was manufactured and verified in accordance with ULTRA Scientific's ISO 9001 registered quality system. A review of the gravimetric preparation data by our ISO 17025 accredited laboratory serves to verify the concentration of each analyte. 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
benzene	000071-43-2	34097	2006 ± 10 µg/mL
bromochloromethane	000074-97-5	RM00009-0	2010 ± 10 µg/mL
bromodichloromethane	000075-27-4	10529HD	2006 ± 10 µg/mL
bromoform	000075-25-2	12312KC	2006 ± 10 µg/mL
n-butylbenzene	000104-51-8	AA-28519LO	2005 ± 10 µg/mL
sec-butylbenzene	000135-98-8	MR-11305DN	2005 ± 10 µg/mL
tert-butylbenzene	000098-06-6	MQ-04010MQ	2004 ± 10 µg/mL
carbon tetrachloride	000056-23-5	01704MF	2006 ± 10 µg/mL
chlorobenzene	000108-90-7	RM01874-01	2010 ± 10 µg/mL
chloroform	000067-66-3	05143MN	2006 ± 10 µg/mL
dibromochloromethane	000124-48-1	MU-07705AN	2006 ± 10 µg/mL
1,2-dibromo-3-chloropropane	000096-12-8	RM02088-01	2008 ± 10 µg/mL
1,2-dibromoethane	000106-93-4	RM00018-01	2009 ± 10 µg/mL
1,2-dichlorobenzene	000095-50-1	RM00060-01	2010 ± 10 µg/mL
1,4-dichlorobenzene	000106-46-7	22628EB	2006 ± 10 µg/mL
dichlorodifluoromethane	000075-71-8	Q96-67	2008 ± 10 µg/mL
1,2-dichloroethane	000107-06-2	KN-09446KN	2006 ± 10 µg/mL
1,1-dichloroethene	000075-35-4	RM01356	2010 ± 10 µg/mL
cis-1,2-dichloroethene	000156-59-2	MKBB9714	2006 ± 10 µg/mL

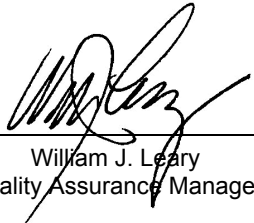
ULTRA uses balances calibrated with weights traceable to NIST in compliance with ANSI/NCCL Z-540-1 and ISO 9001, and calibrated Class A glassware in the manufacturing of these standards.



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William J. Leary  
Quality Assurance Manager

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trans-1,2-dichloroethene	000156-60-5	01306HD	2006 ± 10 µg/mL
1,2-dichloropropane	000078-87-5	RM02091-01	2010 ± 10 µg/mL
ethylbenzene	000100-41-4	01558CC	2006 ± 10 µg/mL
hexachlorobutadiene	000087-68-3	RM02247-01	2005 ± 10 µg/mL
isopropylbenzene	000098-82-8	EN-00621TG	2002 ± 10 µg/mL
4-isopropyltoluene	000099-87-6	PP-05104CP	2005 ± 10 µg/mL
methylene chloride	000075-09-2	48248	2006 ± 10 µg/mL
naphthalene	000091-20-3	RM02406-02	2009 ± 10 µg/mL
n-propylbenzene	000103-65-1	LO-14503MR	2002 ± 10 µg/mL
styrene	000100-42-5	LR-11228MQ	2006 ± 10 µg/mL
MTBE	001634-04-4	RM02297-01	2010 ± 10 µg/mL
cis-1,3-dichloropropene	010061-01-5	PR031010-01	2006 ± 10 µg/mL
trans-1,3-dichloropropene	010061-02-6	SR101007-01	2006 ± 10 µg/mL
tetrachloroethene	000127-18-4	PS-00344BR	2006 ± 10 µg/mL
toluene	000108-88-3	47144	2006 ± 10 µg/mL
1,2,3-trichlorobenzene	000087-61-6	RM02564-01	2009 ± 10 µg/mL
1,2,4-trichlorobenzene	000120-82-1	RM00063-02	2005 ± 10 µg/mL
1,1,1-trichloroethane	000071-55-6	RM00027-02	2010 ± 10 µg/mL
1,1,2-trichloroethane	000079-00-5	RM02575-01	2010 ± 10 µg/mL

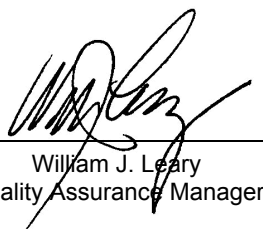
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trichloroethene	000079-01-6	KN-08846KN	2006 ± 10 µg/mL
trichlorofluoromethane	000075-69-4	DR-16417BR	2006 ± 10 µg/mL
1,2,4-trimethylbenzene	000095-63-6	BO-13528BI	2005 ± 10 µg/mL
1,3,5-trimethylbenzene	000108-67-8	KM-02011HM	2004 ± 10 µg/mL
vinyl chloride	000075-01-4	0923FC10	2008 ± 10 µg/mL
o-xylene	000095-47-6	DO-06834CO	2006 ± 10 µg/mL
m-xylene	000108-38-3	DI-00459CI	2006 ± 10 µg/mL
p-xylene	000106-42-3	03747LN	2006 ± 10 µg/mL

**Matrix:** methanol (methyl alcohol)

**Storage:** Store at < 4°C.

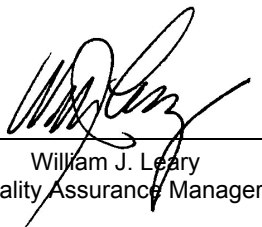
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