



Certificate of Analysis

Custom Standard

Product Number: CUS-12678

Page: 1 of 4

Lot Number: CJ-0307

Lot Issue Date: 31-Jan-2012

Expiration Date: 28-Feb-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
allyl chloride	000107-05-1	MC-070777	2006 ± 10 µg/mL
benzene	000071-43-2	34097	2006 ± 10 µg/mL
bromobenzene	000108-86-1	CG-02513MF	2006 ± 10 µg/mL
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
bromomethane	000074-83-9	06623AQ	2008 ± 10 µg/mL
n-butylbenzene	000104-51-8	AA-28519CO	2006 ± 10 µg/mL
sec-butylbenzene	000135-98-8	07610JE	2006 ± 10 µg/mL
carbon tetrachloride	000056-23-5	01704MF	2006 ± 10 µg/mL
chlorobenzene	000108-90-7	07774MG	2006 ± 10 µg/mL
dibromochloromethane	000124-48-1	MU-07705AN	2006 ± 10 µg/mL
chloroethane	000075-00-3	00223KG	2009 ± 10 µg/mL
chloroform	000067-66-3	05143MN	2006 ± 10 µg/mL
chloromethane	000074-87-3	07-44048	2008 ± 10 µg/mL
2-chlorotoluene	000095-49-8	KZ-03621HX	2006 ± 10 µg/mL
4-chlorotoluene	000106-43-4	03327TH	2006 ± 10 µg/mL
cis-1,2-dichloroethene	000156-59-2	06212MD	2005 ± 10 µg/mL
trans-1,2-dichloroethene	000156-60-5	DO-07817JR	2005 ± 10 µg/mL

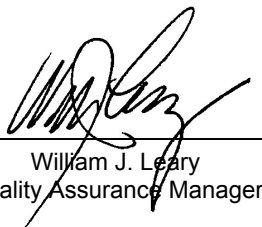
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William J. Leary
Quality Assurance Manager



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cis-1,3-dichloropropene	010061-01-5	RM01442	2006 ± 10 µg/mL
1,2-dibromo-3-chloropropane	000096-12-8	RM02088	2006 ± 10 µg/mL
1,2-dibromoethane	000106-93-4	TB-101777	2005 ± 10 µg/mL
dibromomethane	000074-95-3	EM01514TJ	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
1,4-dichlorobenzene	000106-46-7	22628EB	2006 ± 10 µg/mL
1,1-dichloroethane	000075-34-3	64552/1	2005 ± 10 µg/mL
1,2-dichloroethane	000107-06-2	KN-09446KN	2005 ± 10 µg/mL
1,1-dichloroethene	000075-35-4	01218EC	2005 ± 10 µg/mL
dichlorodifluoromethane	000075-71-8	Q96-67	2008 ± 10 µg/mL
dichlorofluoromethane	000075-43-4	03605LQ	2008 ± 10 µg/mL
1,2-dichloropropane	000078-87-5	RM02091	2006 ± 10 µg/mL
2,2-dichloropropane	000594-20-7	01104EE	2006 ± 10 µg/mL
1,3-dichloropropane	000142-28-9	RM02080	2006 ± 10 µg/mL
1,1-dichloropropene	000563-58-6	RM01234	2006 ± 10 µg/mL
trans-1,3-dichloropropene	010061-02-6	RM01443	2006 ± 10 µg/mL
diethyl ether	000060-29-7	07283DH	2006 ± 10 µg/mL
ethylbenzene	000100-41-4	01558CC	2006 ± 10 µg/mL

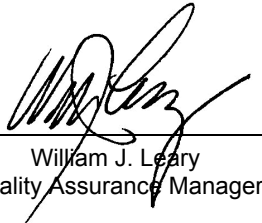
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hexachlorobutadiene	000087-68-3	RM02247	2004 ± 10 µg/mL
isopropylbenzene	000098-82-8	02827BH	2006 ± 10 µg/mL
4-isopropyltoluene	000099-87-6	PP-05104CP	2006 ± 10 µg/mL
MTBE	001634-04-4	46060	2006 ± 10 µg/mL
methylene chloride	000075-09-2	48191	2006 ± 10 µg/mL
naphthalene	000091-20-3	14205KB	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
tert-butylbenzene	000098-06-6	MQ-04010MQ	2006 ± 10 µg/mL
1,1,1,2-tetrachloroethane	000630-20-6	CO-12312LI	2005 ± 10 µg/mL
1,1,2,2-tetrachloroethane	000079-34-5	10917TB	2005 ± 10 µg/mL
tetrachloroethene	000127-18-4	PS-00344BR	2005 ± 10 µg/mL
toluene	000108-88-3	47144	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
1,1,1-trichloroethane	000071-55-6	LU-13149TR	2005 ± 10 µg/mL
1,1,2-trichloroethane	000079-00-5	JB-0701HH	2005 ± 10 µg/mL
trichloroethene	000079-01-6	KN-08846KN	2005 ± 10 µg/mL
trichlorofluoromethane	000075-69-4	DR-16417BR	2006 ± 10 µg/mL

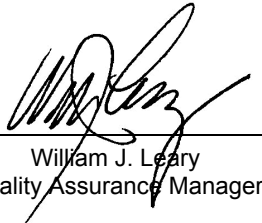
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1,1,2-trichlorotrifluoroethane	000076-13-1	1367777	2006 ± 10 µg/mL
1,2,4-trimethylbenzene	000095-63-6	BO-13528BI	2006 ± 10 µg/mL
1,3,5-trimethylbenzene	000108-67-8	KM-02011HM	2006 ± 10 µg/mL
1,2,3-trichloropropane	000096-18-4	RM02562	2006 ± 10 µg/mL
vinyl chloride	000075-01-4	1210FC10	2008 ± 10 µg/mL
o-xylene	000095-47-6	DO-06834CO	2006 ± 10 µg/mL
m-xylene	000108-38-3	DI-00459CI	1003 ± 5 µg/mL
p-xylene	000106-42-3	03747LN	1003 ± 5 µg/mL
MEK	000078-93-3	NT02048	10030 ± 50 µg/mL
MIBK	000108-10-1	RM00986	10030 ± 50 µg/mL
acetone	000067-64-1	RM03965	20060 ± 100 µg/mL
tetrahydrofuran	000109-99-9	RM04300	20060 ± 100 µg/mL

Matrix: methanol (methyl alcohol)

Storage: Store at < 4° C

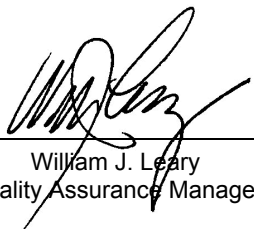
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