



Certificate of Analysis

Custom Standard

Product Number: CUS-11053

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Lot Number: CJ-0008

Lot Issue Date: 03-Jan-2012

Expiration Date: 31-May-2012

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
acetone	000067-64-1	49098	501.5 ± 2.5 µg/mL
benzene	000071-43-2	34097	100.3 ± 0.5 µg/mL
bromobenzene	000108-86-1	CG-02513MF	100.3 ± 0.5 µg/mL
bromochloromethane	000074-97-5	JS-16015HS	100.3 ± 0.5 µg/mL
bromodichloromethane	000075-27-4	DU-14522LS	100.3 ± 0.5 µg/mL
bromoform	000075-25-2	12312KC	100.3 ± 0.5 µg/mL
2-butanone	000078-93-3	CA-02161PO	501.5 ± 2.5 µg/mL
t-butyl acetate	000540-88-5	17531AB	501.5 ± 2.5 µg/mL
n-butylbenzene	000104-51-8	AA-28519CO	100.3 ± 0.5 µg/mL
carbon disulfide	000075-15-0	AI-12071LU	100.5 ± 0.5 µg/mL
carbon tetrachloride	000056-23-5	01704MF	100.3 ± 0.5 µg/mL
chlorobenzene	000108-90-7	07774MG	100.3 ± 0.5 µg/mL
chloroform	000067-66-3	05143MN	100.3 ± 0.5 µg/mL
2-chlorotoluene	000095-49-8	KZ-03621HX	100.3 ± 0.5 µg/mL
4-chlorotoluene	000106-43-4	03327TH	100.3 ± 0.5 µg/mL
4-chlorobenzotrifluoride	000098-56-6	HI-07416LR	100.3 ± 0.5 µg/mL
dibromochloromethane	000124-48-1	CU-07705AN	100.3 ± 0.5 µg/mL
1,2-dibromo-3-chloropropane	000096-12-8	FBL-01	100.3 ± 0.5 µg/mL
1,2-dibromoethane	000106-93-4	TB-101777	100.3 ± 0.5 µg/mL

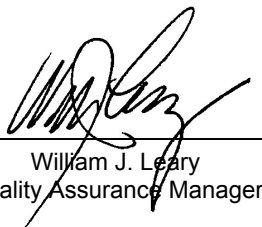
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William J. Leary
Quality Assurance Manager



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dibromomethane	000074-95-3	EM-01514TJ	100.3 ± 0.5 µg/mL
1,2-dichlorobenzene	000095-50-1	08946KY	100.3 ± 0.5 µg/mL
1,3-dichlorobenzene	000541-73-1	JN-05902LZ	100.3 ± 0.5 µg/mL
1,4-dichlorobenzene	000106-46-7	22628EB	100.3 ± 0.5 µg/mL
1,1-dichloroethane	000075-34-3	64552/1	100.3 ± 0.5 µg/mL
1,2-dichloroethane	000107-06-2	KN-09446KN	100.3 ± 0.5 µg/mL
1,1-dichloroethene	000075-35-4	02226CH	100.3 ± 0.5 µg/mL
cis-1,2-dichloroethene	000156-59-2	RM01073	100.3 ± 0.5 µg/mL
trans-1,2-dichloroethene	000156-60-5	01306HD	100.3 ± 0.5 µg/mL
1,2-dichloropropane	000078-87-5	DC-120777	100.3 ± 0.5 µg/mL
1,3-dichloropropane	000142-28-9	PR-17916MR	100.3 ± 0.5 µg/mL
2,2-dichloropropane	000594-20-7	03503TD	100.3 ± 0.5 µg/mL
1,1-dichloropropene	000563-58-6	PR111308-01	100.3 ± 0.5 µg/mL
cis-1,3-dichloropropene	010061-01-5	PR031010-1	100.3 ± 0.5 µg/mL
trans-1,3-dichloropropene	010061-02-6	SR101007-01	100.3 ± 0.5 µg/mL
tert-butylbenzene	000098-06-6	MA-04010MQ	100.3 ± 0.5 µg/mL
ethanol	000064-17-5	RM03898-01	1005 ± 5 µg/mL
ethylbenzene	000100-41-4	RM00783	100.3 ± 0.5 µg/mL
hexachlorobutadiene	000087-68-3	339923/1	100.2 ± 0.5 µg/mL

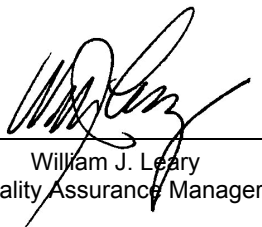
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2-hexanone	000591-78-6	12007DD	501.5 ± 2.5 µg/mL
isopropylbenzene	000098-82-8	RM00835	100.3 ± 0.5 µg/mL
4-isopropyltoluene	000099-87-6	PP-05104CP	100.3 ± 0.5 µg/mL
methylene chloride	000075-09-2	48191	100.3 ± 0.5 µg/mL
4-methyl-2-pentanone	000108-10-1	04153EC	501.5 ± 2.5 µg/mL
sec-butylbenzene	000135-98-8	07610JE	100.3 ± 0.5 µg/mL
MTBE	001634-04-4	45123	100.3 ± 0.5 µg/mL
naphthalene	000091-20-3	14205KB	100.3 ± 0.5 µg/mL
n-propylbenzene	000103-65-1	14503MR	100.3 ± 0.5 µg/mL
styrene	000100-42-5	LR-11228MQ	100.3 ± 0.5 µg/mL
1,1,1,2-tetrachloroethane	000630-20-6	10312DD	100.3 ± 0.5 µg/mL
1,1,2,2-tetrachloroethane	000079-34-5	10917TB	100.3 ± 0.5 µg/mL
tetrachloroethene	000127-18-4	PS-00344BR	100.3 ± 0.5 µg/mL
tetrahydrofuran	000109-99-9	04928DN	100.3 ± 0.5 µg/mL
toluene	000108-88-3	RM01216	100.3 ± 0.5 µg/mL
1,2,3-trichlorobenzene	000087-61-6	12912PF	100.3 ± 0.5 µg/mL
1,2,4-trichlorobenzene	000120-82-1	00334TQ	100.3 ± 0.5 µg/mL
1,1,1-trichloroethane	000071-55-6	RM00027	100.3 ± 0.5 µg/mL
1,1,2-trichloroethane	000079-00-5	JB-0701HH	100.3 ± 0.5 µg/mL

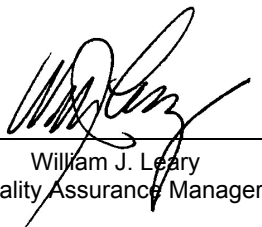
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trichloroethene	000079-01-6	KN-08846KN	100.3 ± 0.5 µg/mL
1,2,3-trichloropropane	000096-18-4	01610KH	100.3 ± 0.5 µg/mL
1,2,4-trimethylbenzene	000095-63-6	BO-13528BI	100.3 ± 0.5 µg/mL
1,3,5-trimethylbenzene	000108-67-8	KM-02011HM	100.3 ± 0.5 µg/mL
vinyl acetate	000108-05-4	MS-11517PR	100.3 ± 0.5 µg/mL
o-xylene	000095-47-6	DO-06834CO	100.3 ± 0.5 µg/mL
m-xylene	000108-38-3	DI-00459CI	100.3 ± 0.5 µg/mL
p-xylene	000106-42-3	03747LN	100.3 ± 0.5 µg/mL
t-butanol (2-methyl-2-propanol)	000075-65-0	RM00555-0	1005 ± 5 µg/mL

Matrix: methanol (methyl alcohol)

Storage: Store at < 4° C

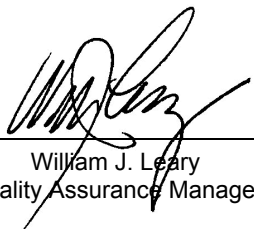
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