



Certificate of Analysis

Custom Standard

Product Number: CUS-8337

Page: 1 of 4

Lot Number: CH-2450

Lot Issue Date: 28-Jul-2011

Expiration Date: 31-Aug-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
acenaphthene	000083-32-9	29697-41	50.2 ± 0.3 µg/mL
acenaphthylene	000208-96-8	RM00819	50.2 ± 0.3 µg/mL
anthracene	000120-12-7	09924AJ	50.2 ± 0.3 µg/mL
azobenzene	000103-33-3	RM00073	50.2 ± 0.3 µg/mL
benz[a]anthracene	000056-55-3	ER121707-01	50.2 ± 0.3 µg/mL
benzo[b]fluoranthene	000205-99-2	ERO22008-02	50.2 ± 0.3 µg/mL
benzo[k]fluoranthene	000207-08-9	ERO61608-02	50.2 ± 0.3 µg/mL
benzo[ghi]perylene	000191-24-2	ERO41205-01	50.2 ± 0.3 µg/mL
benzo[a]pyrene	000050-32-8	08105EZ	50.2 ± 0.3 µg/mL
bis(2-chloroethoxy)methane	000111-91-1	428-12A	50.2 ± 0.3 µg/mL
bis(2-chloroethyl) ether	000111-44-4	BC-013187	50.2 ± 0.3 µg/mL
bis(2-ethylhexyl) phthalate	000117-81-7	D-22230	50.2 ± 0.3 µg/mL
bis(2-chloroisopropyl) ether	000108-60-1	444-49A	50.2 ± 0.3 µg/mL
4-bromophenyl phenyl ether	000101-55-3	KO-05819CO	50.2 ± 0.3 µg/mL
butyl benzyl phthalate	000085-68-7	05613ED	50.2 ± 0.3 µg/mL
carbazole	000086-74-8	CEE-III-129,21790	50.3 ± 0.3 µg/mL
4-chloroaniline	000106-47-8	PW-01310MW	50.2 ± 0.3 µg/mL
4-chloro-3-methylphenol	000059-50-7	RM01885	50.2 ± 0.3 µg/mL
2-chloronaphthalene	000091-58-7	FIJ02	50.2 ± 0.3 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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2-chlorophenol	000095-57-8	RM01871	50.3 ± 0.3 µg/mL
4-chlorophenyl phenyl ether	007005-72-3	04420PH	50.2 ± 0.3 µg/mL
chrysene	000218-01-9	ERO81006-02	50.2 ± 0.3 µg/mL
dibenz[a,h]anthracene	000053-70-3	ERO91206-01	50.2 ± 0.3 µg/mL
dibenzofuran	000132-64-9	KB-080477	50.2 ± 0.3 µg/mL
di-n-butyl phthalate	000084-74-2	AC-011687	50.2 ± 0.3 µg/mL
1,2-dichlorobenzene	000095-50-1	08946KY	50.1 ± 0.3 µg/mL
1,3-dichlorobenzene	000541-73-1	05902LZ	50.2 ± 0.3 µg/mL
1,4-dichlorobenzene	000106-46-7	22628EB	50.1 ± 0.3 µg/mL
2,4-dichlorophenol	000120-83-2	HZ05729EZ	50.2 ± 0.3 µg/mL
diethyl phthalate	000084-66-2	09615KD	50.2 ± 0.3 µg/mL
2,4-dimethylphenol	000105-67-9	010010	50.2 ± 0.3 µg/mL
dimethyl phthalate	000131-11-3	A-0932(D44220)	50.2 ± 0.3 µg/mL
2,4-dinitrophenol	000051-28-5	CEE-III-130	50.2 ± 0.3 µg/mL
2,4-dinitrotoluene	000121-14-2	RM01209	50.1 ± 0.3 µg/mL
2,6-dinitrotoluene	000606-20-2	NTO2097	50.1 ± 0.3 µg/mL
di-n-octyl phthalate	000117-84-0	0001418030	50.2 ± 0.3 µg/mL
fluoranthene	000206-44-0	LB61080	50.2 ± 0.3 µg/mL
fluorene	000086-73-7	PM-04003CK	50.2 ± 0.3 µg/mL


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hexachlorobenzene	000118-74-1	DG04416KY	50.2 ± 0.3 µg/mL
hexachlorobutadiene	000087-68-3	RM00438	50.1 ± 0.3 µg/mL
hexachlorocyclopentadiene	000077-47-4	13101TD	50.2 ± 0.3 µg/mL
hexachloroethane	000067-72-1	NT00392	50.1 ± 0.3 µg/mL
indeno[1,2,3-cd]pyrene	000193-39-5	ERO82107-02	50.2 ± 0.3 µg/mL
isophorone	000078-59-1	10830MQ	50.2 ± 0.3 µg/mL
2-methyl-4,6-dinitrophenol	000534-52-1	42136/4	50.2 ± 0.3 µg/mL
2-methylnaphthalene	000091-57-6	15416DA	50.2 ± 0.3 µg/mL
2-methylphenol	000095-48-7	09416AA	50.2 ± 0.3 µg/mL
4-methylphenol	000106-44-5	09410PI	50.2 ± 0.3 µg/mL
naphthalene	000091-20-3	14205KB	50.3 ± 0.3 µg/mL
2-nitroaniline	000088-74-4	AO-13201TU	50.2 ± 0.3 µg/mL
3-nitroaniline	000099-09-2	HM-030200L	50.2 ± 0.3 µg/mL
4-nitroaniline	000100-01-6	KL-3926DK	50.2 ± 0.3 µg/mL
nitrobenzene	000098-95-3	DI-10604DI	50.2 ± 0.3 µg/mL
2-nitrophenol	000088-75-5	N980025	50.3 ± 0.3 µg/mL
4-nitrophenol	000100-02-7	LS10425DR	50.2 ± 0.3 µg/mL
N-nitrosodimethylamine	000062-75-9	PS12070JS	50.3 ± 0.3 µg/mL
N-nitrosodi-n-propylamine	000621-64-7	FIM01	50.2 ± 0.3 µg/mL


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pentachlorophenol	000087-86-5	LW04014KW	50.3 ± 0.3 µg/mL
phenanthrene	000085-01-8	1290378	50.2 ± 0.3 µg/mL
phenol	000108-95-2	1373574	50.2 ± 0.3 µg/mL
pyrene	000129-00-0	01216PE	50.2 ± 0.3 µg/mL
1,2,4-trichlorobenzene	000120-82-1	00334TQ	50.1 ± 0.3 µg/mL
2,4,5-trichlorophenol	000095-95-4	07521CO	50.2 ± 0.3 µg/mL
2,4,6-trichlorophenol	000088-06-2	07509ME	50.3 ± 0.3 µg/mL
pyridine	000110-86-1	18230HC	50.2 ± 0.3 µg/mL
acetophenone	000098-86-2	07705JD	50.2 ± 0.3 µg/mL
1,2,4,5-tetrachlorobenzene	000095-94-3	N950075	50.2 ± 0.3 µg/mL
N-nitrosodiphenylamine	000086-30-6	286003	50.2 ± 0.3 µg/mL
pentachloronitrobenzene	000082-68-8	08020EQ	50.2 ± 0.3 µg/mL

Matrix: methylene chloride/benzene (3:1)

Storage: Store at < 4° C

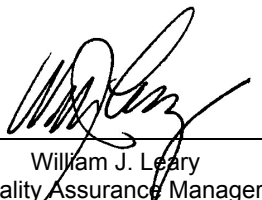
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