



**TRICHLOROETHYLENE,  
TETRACHLOROETHYLENE,  
AND SOME OTHER  
CHLORINATED AGENTS**

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**IARC MONOGRAPHS  
ON THE EVALUATION  
OF CARCINOGENIC RISKS  
TO HUMANS**

# LIST OF ABBREVIATIONS

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2,4-D	2,4-dichlorophenoxyacetic acid
2,4,5-T	2,4,5-trichlorophenoxyacetic acid
5MeC	5-methylcytosine
8-OHdG	8-hydrodeoxyguanosine adducts
ADH	alcohol dehydrogenase
ALDH	aldehyde dehydrogenase
ALT	alanine transferase
AST	aspartate transferase
AUC	area under the concentration–time curve
BEI	biological exposure index
bw	body weight
CAREX	CARcinogen EXposure
CBI	covalent binding index
CCBL	cysteine-conjugate $\beta$ -lyase
CI	confidence interval
coA	coenzyme A
CYP450	cytochrome P450
DCVCS	S-(1,2-dichlorovinyl)-L-cysteine sulfoxide
DCVT	S-(1,2-dichlorovinyl)-thiol
DDT	dichlorodiphenyltrichloroethane
DMSO	dimethyl sulfoxide
ECD	electron capture detection
ENU	N-ethyl-N-nitrosourea
EPA	Environmental Protection Agency
EU	European Union
FDA	Food and Drug Administration
FID	flame ionization detection
FMO	flavin-containing monooxygenase
GC	gas chromatography
GGT	$\gamma$ -glutamyltranspeptidase OR $\gamma$ -glutamyltransferase???
GSH	glutathione
GST	glutathione-S-transferase
GTK	glutamine transaminase K
HDL	high-density lipoprotein
HECD	Hall electrolytic conductivity detection

HR	hazard ratio
LD <sub>50</sub>	median lethal dose
LOH	loss of heterozygosity
MCD	microcoulometric detection
MNNG	<i>N</i> -methyl- <i>N'</i> -nitro- <i>N</i> -nitrosoguanidine
MNU	<i>N</i> -methyl- <i>N</i> -nitrosourea
MS	mass spectrometry
NA	not applicable
NAcDCVC	<i>N</i> -acetyl- <i>S</i> -(1,2-dichlorovinyl)- <i>L</i> -cysteine
NADH	nicotinamide adenine dinucleotide
NADPH	nicotinamide adenine dinucleotide phosphate
NAG	<i>N</i> -acetylglucosaminidase
ND	not detected
NHL	non-Hodgkin lymphoma
NIOSH	National Institute for Occupational Safety and Health
NR	not reported
NS	not significant
NTP	National Toxicology Program
OEL	occupational exposure limit
OR	odds ratio
OSHA	Occupational Safety and Health Administration
PBN	phenyl- <i>tert</i> -butyl nitroxide
PID	photoionization detection
PPAR $\alpha$	peroxisome proliferator-activated receptor alpha
ppm	parts per million
ppt	parts per trillion
RR	relative risk
S <sub>9</sub>	9000 $\times$ <i>g</i> supernatant
SCOEL	Scientific Committee on Occupational Exposure Limits
SD	standard deviation
SIR	standardized incidence ratio
SMR	standardized mortality ratio
SSB	single-strand DNA break
SSCP	single-strand conformation polymorphism
TBARS	thiobarbituric acid-reactive substances
TLV	threshold limit value
TWA	time-weighted average
UDS	unscheduled DNA synthesis
USP	United States Pharmacopeia
vs	versus