

# LIST OF ABBREVIATIONS

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4-ABP	4-aminobiphenyl
2-NA	2-naphthylamine
AIDS	acquired immune-deficiency syndrome
ALL	acute lymphocytic leukemia
ANLL	acute nonlymphocytic leukemia
AhR	aryl hydrocarbon receptor
ASCR	Association of Swiss Cancer Registries
ASL	angiosarcoma of the liver
ATSDR	Agency for Toxic Substances and Disease Registry
B[a]P	benzo[a]pyrene
BCME	bis(chloromethyl)ether
b.p.	boiling point
BSF	benzene-soluble fraction
BSM	benzene-soluble materials
bw	body weight
CA	chromosomal aberration
CAS	Chemical Abstracts Service (of the American Chemical Society)
CI	confidence interval
CMME	chloromethyl methyl ether
CNS	central nervous system
CPTV	coal-tar pitch volatiles
CSF	cyclohexane-soluble fraction
CYP	cytochrome P450
DCM	dichloromethane
DEHP	diethylhexylphthalate
DHBMA	1,2-dihydroxybutyl mercapturic acid
DLC	dioxin-like compound
DMSO	dimethyl sulfoxide
EH	epoxide hydrolase
EPA	Environmental Protection Agency (USA)
EU	European Union
EXASRUB	Improved Exposure Assessment for Prospective Cohort Studies and Exposure Control in the Rubber-Manufacturing Industry
FISH	fluorescence <i>in situ</i> hybridisation
GST	glutathione S-transferase
HCC	hepatocellular carcinoma

HPRT	hypoxanthine-guanine phosphoribosyltransferase
HRR	hazard rate ratio
IH	industrial hygiene
IP	Institute for Petroleum
IRR	incidence rate ratio
ISCO	International Standard Classification of Occupations
ISIC	International Standard Industrial Classification
MBT	2-mercaptobenzothiazole
MBS	morpholinomercaptobenzothiazole
MDS	myelodysplastic syndromes
mEH	microsomal epoxide hydrolase
MGP	manufactured gas plant residues
MHBMA	monohydroxy-3-butenyl mercapturic acid
MHBVal	<i>N</i> -(2-hydroxy-3-butenyl)valine
MN	micro nucleus
MOCA	4,4'-methylene-bis-(2-chloroaniline)
MPD	myeloproliferative disorder
MT	metallothionein
NAT	<i>N</i> -acetyltransferase
NACE	Nomenclature Générale des Activités Économiques dans les Communautés
NDBA	<i>N</i> -nitrosodibutylamine
NDEA	<i>N</i> -nitrosodiethylamine
NDMA	<i>N</i> -nitrosodimethylamine
NDPA	<i>N</i> -nitrosodiphenylamine
NG	not given
NIOSH	National Institute for Occupational Safety and Health (USA)
NMor	<i>N</i> -nitrosomorpholine
NPIP	<i>N</i> -nitrosopiperidine
NTP	National Toxicology Program (USA)
OR	odds ratio
OSHA	Occupational Safety and Health Administration (USA)
PAH	polycyclic aromatic hydrocarbons
PARP	poly(ADP-ribose) polymerase
PBNA	phenyl- $\beta$ -naphthylamine
PCB	polychlorobiphenyl
PCDD	polychlorinated dibenzo- <i>para</i> -dioxins
PCP	pentachlorophenol
PCR	polymerase chain reaction
PeCDF	2,3,4,7,8-Pentachlorodibenzofuran
PKC	protein kinase C
POG	pediatric oncology group
ppb	parts per billion
ppm	parts per million
ppt	parts per trillion
PVC	polyvinyl chloride
PyrVal	<i>N,N</i> -(2,3-dihydroxy-1,4-butadiyl) valine
RDD	random digit dialling
ROS	reactive oxygen species

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RR	relative risk
SCE	sister chromatid exchange
SD	standard deviation
SE	standard error
SES	socioeconomic status
SIC	Standard Industrial Classification
SOC	Standard Occupational Classification
SIR	standardised incidence ratio
SMR	standardised mortality ratio
SRR	standardized rate ratio
TCDD	tetrachlorodibenzo- <i>p</i> -dioxin
TCE	trichloroethylene
TEF	toxicity equivalence factor
TEQ	toxic equivalence quotient: unit of measurement for TCDD-like compounds that is defined as the amount of TCDD that would produce the same toxicity as a mixture of TCDD-like compounds
THBVal	<i>N</i> -(2,3,4-trihydroxybutyl)valine
TWA	time-weighted average
USA	United States of America
VA	Veterans Administration
VC	vinyl chloride
VCM	vinyl chloride monomer
VOC	volatile organic compound
wk	week
yr	year
ZDEC	zinc-diethyldithiocarbamate

