

BENZENE

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OF CARCINOGENIC RISKS
TO HUMANS

LIST OF ABBREVIATIONS

8-OHdG	8-hydroxy-2'-deoxyguanosine
AhR	aryl hydrocarbon receptor
ALL	acute lymphocytic leukaemia
AML	acute myeloid leukaemia
ANLL	acute non-lymphocytic leukaemia
AR	androgen receptor
ASPEN	EPA Assessment System for Population Exposure Nationwide
bw	body weight
CA	chromosomal aberration
CALINE	California Line Source Dispersion model
CAS	Chemical Abstracts Service
CFU	colony-forming unit
CI	confidence interval
CLL	chronic lymphocytic leukaemia
CML	chronic myeloid leukaemia
CNS	central nervous system
DLBCL	diffuse large B-cell lymphoma
EPA	United States Environmental Protection Agency
EPO	erythropoietin
ER	estrogen receptor
GLP	good laboratory practice
GM	granulocyte-macrophage
GSD	geometric standard deviation
GSH	glutathione
GST	glutathione-S-transferase
HCL	hairy cell leukaemia
HL	Hodgkin lymphoma
HR	hazard ratio
IARC	International Agency for Research on Cancer
ICD	International Statistical Classification of Diseases and Related Health Problems
Ig	immunoglobulin
IL	interleukin
IQR	interquartile range

JEM	job-exposure matrix
MDS	myelodysplastic syndrome
MLL	mixed lineage leukaemia
MM	multiple myeloma
MN	micronuclei
MPD	myeloproliferative disorder
MPO	myeloperoxidase
mtDNA	mitochondrial DNA
NATA	National-Scale Air Toxics Assessment
NCI-CAPM	National Cancer Institute-Chinese Academy of Preventive Medicine
NF- κ B	nuclear-factor kappa-light-chain-enhancer of activated B-cells
NHANES	National Health and Nutrition Examination Survey
NHL	non-Hodgkin lymphoma
NQO1	NAD(P)H quinone oxidoreductase 1
OEL	occupational exposure limit
OR	odds ratio
PBL	peripheral blood lymphocyte
PBMC	peripheral blood mononuclear cell
PFC	plaque-forming cell
PM ₁₀	particulate matter of diameter < 10 μ m
PPAR	peroxisome proliferator-activated receptor
ppb	parts per billion
ppm	parts per million
PXR	pregnane X receptor
ROS	reactive oxygen species
RR	relative risk
SCE	sister-chromatid exchange
SIR	standardized incidence ratio
SMR	standardized mortality ratio
SPMA	S-phenylmercapturic acid
SRBC	sheep red blood cell
TCRV	T-cell receptor variable
Tg.AC	FVB/N-Tg.AC(v-Ha-Ras)
Th	T-helper cell
TNF- α	tumour necrosis factor alpha
Tox21	Toxicity in the 21st Century
ToxCast	Toxicity Forecaster
ToxPi	toxicological prioritization index
TREC	T-cell receptor excision circle
t,t-MA	<i>trans,trans</i> -muconic acid
UOGD	unconventional oil and gas development
vs	versus
WHO	World Health Organization