

ABBREVIATIONS

ADI	Acceptable daily intake
Ah	Aryl hydrocarbon
Ah ^b /Ah ^b	Low-affinity Ah receptor
Ah ^d /Ah ^d	Mild-type high-affinity Ah receptor
ALT	Alanine aminotransferase = SGPT
Arnt	Ah receptor nuclear translocator
AST	Aspartate aminotransferase = SGOT
ATPase	Adenosine triphosphatase
bHLH	Basic helix-loop-helix
CNP	1,3,4-Trichloro-2-(4-nitrophenoxy)benzene
CFP	Chemical fertilizer plant
CRR	Conditional risk ratio
CTL	Cytotoxic T-lymphocyte
CWI	Clinical waste incinerator
Cx	Connexon
2,4-D	2,4-Dichlorophenoxyacetic acid
DCDD	Dichlorodibenzo- <i>para</i> -dioxin
DGA	D-glutaric acid
DN	Double negative
DP	Double positive
DNP	Dinitrophenyl
ECD	Electron capture detection
ECF	Elemental chlorine-free
ECOD	7-Ethoxycoumarin- <i>O</i> -deethylase
EC ₅₀	50% Effective concentration
ED ₅₀	50% Effective dose
EEG	Electroencephalogram
EGF	Epidermal growth factor
EROD	7-Ethoxyresorufin <i>O</i> -deethylase
FEV ₁	Forced expiratory volume in 1 second
FSH	Follicle-stimulating hormone
FTI	Free thyroxine index
FT4	Free thyroxine
FVC	Forced vital capacity
GC	Gas chromatography
GGT	γ -Glutamyl transferase
GJIC	Gap-junctional intercellular communication

GLUT	Glucose transporter
GnRH	Gonadotropin-releasing hormone
GST	Glutathione S-transferase
GSTP	Glutathione S-transferase P
GT	Glucuronosyl transferase
HDDV	Heavy-duty (diesel) vehicle
HIF	Hypoxia-inducible factor
HOMO	Highest occupied molecular orbital
HpCDD	Heptachlorodibenzo- <i>para</i> -dioxin
HpCDF	Heptachlorodibenzofuran
HPLC	High-performance liquid chromatography
hr	Hairless
A=HRGC	High-resolution gas chromatography
B=HRMS	High-resolution mass spectrometry
hsp	Heat shock protein
HxCDD	Hexachlorodibenzo- <i>para</i> -dioxin
HxCDF	Hexachlorodibenzofuran
I	Isomer-specific polar column
IC (ID)	Inhibition concentration (dose)
IG	Immunoglobulin
IL	Interleukin
IRR	Incidence rate ratio
I-TEQ	International toxic equivalent
IWI	Industrial waste incinerator
LH	Luteinizing hormone
LDV	Light-duty vehicle
LOEL	Lowest observed effect level
LPS	Lipopolysaccharide
a=LRGC	Low-resolution gas chromatography
C=LRMS	Low-resolution mass spectrometry
MCPA	4-Chloro-2-methylphenoxyacetic acid
MCPP	2-(4-Chloro-2-methylphenoxy)propanoic acid (mecoprop)
MNNG	<i>N</i> -Methyl- <i>N'</i> -nitro- <i>N</i> -nitrosoguanidine
MS	Mass spectrometry
MSS	Municipal sewage sludge
MSW	Municipal solid waste
MWI	Municipal solid waste incinerator
MWTP	Municipal water treatment plant
N	No information
NDEA	<i>N</i> -Nitrosodiethylamine
NHATS	(United States Environmental Protection Agency) National Human Adipose Tissue Survey
NIOSH	(United States) National Institute for Occupational Safety and Health
NIP	2,4-Dichloro-1-(4-nitrophenoxy)benzene; nitrofen

NK	Natural killer
NOEL	No observed effect level
O	Other than isomer-specific nonpolar column
OCDD	Octachlorodibenzo- <i>para</i> -dioxin
OCDF	Octachlorodibenzofuran
8-OH-dG	8-Hydroxydeoxyguanine
PAI	Plasminogen-activator inhibitor
PAS	Per-Arnt-Sim
PCB	Polychlorinated biphenyl
PCDD	Polychlorinated dibenzo- <i>para</i> -dioxin
PCDF	Polychlorinated dibenzofuran
PCQ	Polychlorinated terphenyl
PCP	Pentachlorophenol
PCT	Porphyria cutanea tarda
PeCDD	Pentachlorodibenzo- <i>para</i> -dioxin
PeCDF	Pentachlorodibenzofuran
PEPCK	Phosphoenol pyruvate carboxykinase
Per	Period
PFC	Plaque-forming cell
PGHS	Prostaglandin endoperoxide H synthase
PMN	Polymorphonuclear neutrophils
R	Reduced clean-up
RAG	Recombinase activating gene
RDF	Refuse-derived fuel incinerator
RR	Relative risk
S	Sophisticated clean-up
SCID	Severe combined immunodeficient
SFE	Supercritical fluid extraction
Sim	Single-minded
SIR	Standardized incidence ratio
SMR	Standardized mortality ratio
SRBC	Spleen anti-sheep red blood cell
SSI	Sewage sludge incinerator
T4	Thyroxine
TBG	Thyroxine-binding globulin
TCDD	Tetrachlorodibenzo- <i>para</i> -dioxin
TCDF	Tetrachlorodibenzofuran
TCF	Total chlorine-free
TCP	2,4,5-Trichlorophenol
TCR	T-cell receptor
TDI	Tolerable daily intake
TdT	Terminal deoxynucleotidyl transferase
2,4,5-T	2,4,5-Trichlorophenoxyacetic acid
2,4,6-TCP	2,4,6-Trichlorophenol

T3	Triiodothyronine
TEF	Toxic equivalency factor
TEQ	Toxic equivalent
TGF	Transforming growth factor
TNF α	Tumour necrosis factor α
TNP	Trinitrophenyl
TPA	12- <i>O</i> -Tetradecanoylphorbol 13-acetate
TRK	German occupational technical exposure limit
TSH	Thyroid-stimulating hormone
UDP-GT	Uridine diphosphate-glucuronosyl transferase
W	WHO-accepted laboratory
WCOT	Wall-coated open-tubular
X-52	chlomethoxynil; 2,4-dichloro-1-(3-methoxy-4-nitrophenoxy)benzene
XRE	Xenobiotic-responsive enhancer = DRE (dioxin-responsive enhancer)