

## LIST OF ABBREVIATIONS

ABC	adenosine triphosphate binding cassette
ADC	adenocarcinoma
AhR	aryl hydrocarbon receptor
AKR	aldo-keto reductase
Asymp. sig.	asymptote significance
ATP	adenosine triphosphate
AUC	area under the curve
avg.	average
BA	basal-cell cancer
BAL	bronchioalveolar lavage
B(a)P	benzo[ <i>a</i> ]pyrene
Bcm	billion cubic metres
BP	benzo[ <i>a</i> ]pyrene
bw	body weight
CI	confidence interval
CIN	cervical intraepithelial neoplasia
CO	carbon monoxide
COPD	chronic obstructive pulmonary disease
CV	coefficient of variation
CYP	cytochrome P450
DBA	dibenz[ <i>a</i> ]anthracene
DMBA	7,12-dimethylbenz[ <i>a</i> ]anthracene
DMSO	dimethyl sulfoxide
ELISA	enzyme-linked immunosorbent assay
ENT	ear, nose and throat
GC	gas chromatography
GM	geometric mean
GSH	glutathione
GST	glutathione <i>S</i> -transferase
HOGG1	human 8-oxyguanine DNA glycosylase 1
HPLC	high-performance liquid chromatography
HPV	human papilloma virus
HSCU	heavy smoky coal user
ICD	International Classification of Diseases
LC	liquid chromatography
LPG	liquefied petroleum gas

Max.	maximum
MDM2	murine double minute 2
MS	mass spectrometry
Mt	million tones
N	number
NADPH	nicotinamide adenine dinucleotide phosphate
ND	not detected
NG	not given
NOS	not otherwise specified
NO <sub>x</sub>	nitrogen oxide
NPC	nasopharyngeal carcinoma
NS	not significant
8-OHdG	8-hydroxydeoxyguanine
4-OHE	4-oxo-2-hexenal
PAH	polychlorinated aromatic hydrocarbon
Pap	Papanicolaou
PARP	poly(ADP-ribose)polymerase
PCB	polychlorinated biphenyl
PCDD	polychlorinated dibenzo- <i>para</i> -dioxin
PCDF	polychlorinated dibenzofuran
PCR	polymerase chain reaction
PJ	peta joules
PM	particulate matter
QMS	quadruple ion-trap mass spectrometry
S	significant
SCC	squamous-cell carcinoma
SD	standard deviation
SD	standard deviation
SE	standard error
SM	small-cell cancer
SNP	single nucleotide polymorphisms
SO <sub>2</sub>	sulfur dioxide
SPM	suspended particulate matter
SULT	sulfotransferase
<i>t,t</i> -2,4-DDE	<i>trans,trans</i> -2,4-decadienal
TLC	thin-layer chromatography
TPA	12- <i>O</i> -tetradecanoylphorbol-13-acetate
TSP	total suspended particles
TWA	time-weighted average
TWh	terawatt hours
UFP	ultrafine particles
US	unspecified