

THIRD NATIONAL REPORT ON HUMAN EXPOSURE TO ENVIRONMENTAL CHEMICALS

Exposure data on the following chemicals or classes of chemicals will appear in CDC's *Third National Report on Human Exposure to Environmental Chemicals*, which is slated for publication in early 2005. The *Third Report* provides updated exposure information on the chemicals in the *Second Report* and first-time information on additional chemicals (in bold).

METALS

Lead
Cadmium
Mercury
Cobalt
Uranium
Antimony
Barium
Beryllium
Cesium
Molybdenum
Platinum
Thallium
Tungsten

ORGANOCHLORINE PESTICIDES

Hexachlorobenzene
Beta-hexachlorocyclohexane
Gamma-hexachlorocyclohexane
Pentachlorophenol
2,4,5-Trichlorophenol
2,4,6-Trichlorophenol
p,p'-DDT
p,p'-DDE
o,p'-DDT
Oxychlorane
trans-Nonachlor
Heptachlor Epoxide
Mirex
Aldrin
Dieldrin
Endrin

ORGANOPHOSPHATE INSECTICIDES: DIALKYL PHOSPHATE METABOLITES

Dimethylphosphate
Dimethylthiophosphate
Dimethyldithiophosphate
Diethylphosphate
Diethylthiophosphate
Diethyldithiophosphate

ORGANOPHOSPHATE INSECTICIDES: SPECIFIC METABOLITES

para-Nitrophenol
3,5,6-Trichloro-2-pyridinol
2-Isopropyl-4-methyl-6-hydroxypyrimidine
2-(diethylamino)-6-methylpyrimidin-4-ol/one
3-chloro-7-hydroxy-4-methyl-2H-chromen-2-one/ol

PYRETHROID PESTICIDES

4-Fluoro-3-phenoxybenzoic acid
Cis-3-(2,2-dichlorovinyl)-2,2-dimethylcyclopropane carboxylic acid
Trans-3-(2,2-dichlorovinyl)-2,2-dimethylcyclopropane carboxylic acid
Cis-3-(2,2-dibromovinyl)-2,2-dimethylcyclopropane carboxylic acid
3-Phenoxybenzoic acid

OTHER PESTICIDES

2-Isopropoxyphenol
Carbofuranphenol
N,N-diethyl-3-methylbenzamide
ortho-Phenylphenol
2,5-Dichlorophenol

HERBICIDES

2,4,5-Trichlorophenoxyacetic acid
2,4-Dichlorophenoxyacetic acid
2,4-Dichlorophenol
Atrazine mercapturate
Acetochlor mercapturate
Metolachlor mercapturate

PHTHALATES

Mono-methyl phthalate
Mono-ethyl phthalate
Mono-n-butyl phthalate
Mono-iso-butyl phthalate
Mono-benzyl phthalate
Mono-cyclohexyl phthalate
Mono-2-ethylhexyl phthalate
Mono-(2-ethyl-5-oxohexyl) phthalate
Mono-(2-ethyl-5-hydroxyhexyl) phthalate
Mono-(3-carboxypropyl) phthalate
Mono-n-octyl phthalate
Mono-isononyl phthalate

PHYTOESTROGENS

Daidzein
Enterodiol
Enterolactone
Equol
Genistein
O-Desmethylangolensin



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POLYCYCLIC AROMATIC HYDROCARBONS

- 1-Hydroxybenz[a]anthracene
- 3-Hydroxybenz[a]anthracene and **9-Hydroxybenz[a]anthracene**
- 1-Hydroxybenzo[c]phenanthrene
- 2-Hydroxybenzo[c]phenanthrene
- 3-Hydroxybenzo[c]phenanthrene
- 1-Hydroxychrysene**
- 2-Hydroxychrysene**
- 3-Hydroxychrysene
- 4-Hydroxychrysene**
- 6-Hydroxychrysene
- 3-Hydroxyfluoranthene
- 2-Hydroxyfluorene
- 3-Hydroxyfluorene
- 9-Hydroxyfluorene**
- 1-Hydroxyphenanthrene
- 2-Hydroxyphenanthrene
- 3-Hydroxyphenanthrene
- 4-Hydroxyphenanthrene**
- 9-Hydroxyphenanthrene**
- 1-Hydroxypyrene
- 3-Hydroxybenzo[a]pyrene**
- 1-Hydroxynaphthalene**
- 2-Hydroxynaphthalene**

POLYCHLORINATED DIBENZO-P-DIOXINS AND DIBENZOFURANS

- 1,2,3,4,6,7,8,9-Octachlorodibenzo-*p*-dioxin (OCDD)
- 1,2,3,4,6,7,8-Heptachlorodibenzo-*p*-dioxin (HpCDD)
- 1,2,3,4,7,8-Hexachlorodibenzo-*p*-dioxin (HxCDD)**
- 1,2,3,6,7,8-Hexachlorodibenzo-*p*-dioxin (HxCDD)
- 1,2,3,7,8,9-Hexachlorodibenzo-*p*-dioxin (HxCDD)
- 1,2,3,7,8-Pentachlorodibenzo-*p*-dioxin (PeCDD)
- 2,3,7,8-Tetrachlorodibenzo-*p*-dioxin (TCDD)
- 1,2,3,4,6,7,8,9-Octachlorodibenzofuran (OCDF)
- 1,2,3,4,6,7,8-Heptachlorodibenzofuran (HpCDF)
- 1,2,3,4,7,8,9-Heptachlorodibenzofuran (HpCDF)**
- 1,2,3,4,7,8-Hexachlorodibenzofuran (HxCDF)
- 1,2,3,6,7,8-Hexachlorodibenzofuran (HxCDF)
- 1,2,3,7,8,9-Hexachlorodibenzofuran (HxCDF)
- 1,2,3,7,8-Pentachlorodibenzofuran (PeCDF)
- 2,3,4,6,7,8-Hexachlorodibenzofuran (HxCDF)
- 2,3,4,7,8-Pentachlorodibenzofuran (PeCDF)
- 2,3,7,8-Tetrachlorodibenzofuran (TCDF)

POLYCHLORINATED BIPHENYLS

- 2,2',5,5'-Tetrachlorobiphenyl (PCB 52)
- 2,3',4,4'-Tetrachlorobiphenyl (PCB 66)
- 2,4,4',5-Tetrachlorobiphenyl (PCB 74)
- 3,4,4',5-Tetrachlorobiphenyl (PCB 81)
- 2,2',3,4,5'-Pentachlorobiphenyl (PCB 87)**
- 2,2',4,4',5-Pentachlorobiphenyl (PCB 99)
- 2,2',4,5,5'-Pentachlorobiphenyl (PCB 101)
- 2,3,3',4,4'-Pentachlorobiphenyl (PCB 105)
- 2,3,3',4',6-Pentachlorobiphenyl (PCB 110)**
- 2,3',4,4',5-Pentachlorobiphenyl (PCB 118)
- 3,3',4,4',5-Pentachlorobiphenyl (PCB 126)
- 2,2',3,3',4,4'-Hexachlorobiphenyl (PCB 128)
- 2,2',3,4,4',5' and 2,3,3',4,4',6-Hexachlorobiphenyl (PCB 138&158)**
- 2,2',3,4',5,5'-Hexachlorobiphenyl (PCB 146)
- 2,2',3,4',5',6'-Hexachlorobiphenyl (PCB 149)**
- 2,2',3,5,5',6-Hexachlorobiphenyl (PCB 151)**
- 2,2',4,4',5,5'-Hexachlorobiphenyl (PCB 153)
- 2,3,3',4,4',5-Hexachlorobiphenyl (PCB 156)
- 2,3,3',4,4',5'-Hexachlorobiphenyl (PCB 157)
- 2,3',4,4',5,5'-Hexachlorobiphenyl (PCB 167)
- 3,3',4,4',5,5'-Hexachlorobiphenyl (PCB 169)
- 2,2',3,3',4,4',5-Heptachlorobiphenyl (PCB 170)
- 2,2',3,3',4,5,5'-Heptachlorobiphenyl (PCB 172)
- 2,2',3,3',4,5,6'-Heptachlorobiphenyl (PCB 177)
- 2,2',3,3',5,5',6-Heptachlorobiphenyl (PCB 178)
- 2,2',3,4,4',5,5'-Heptachlorobiphenyl (PCB 180)
- 2,2',3,4,4',5',6-Heptachlorobiphenyl (PCB 183)
- 2,2',3,4',5,5',6-Heptachlorobiphenyl (PCB 187)
- 2,3,3',4,4',5,5'-Heptachlorobiphenyl (PCB 189)**
- 2,2',3,3',4,4',5,5'-Octachlorobiphenyl (PCB 194)**
- 2,2',3,3',4,4',5,6-Octachlorobiphenyl (PCB 195)**
- 2,2',3,3',4,4',5,6' and 2,2',3,4,4',5,5',6-Octachlorobiphenyl (PCB196&203)**
- 2,2',3,3',4,5,5',6-Octachlorobiphenyl (PCB 201)**
- 2,2',3,3',4,4',5,5',6'-Nonachlorobiphenyl (PCB 206)**

TOBACCO SMOKE

- Cotinine



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