

Chemicals in the Fourth Report: Updated Tables, February 2012

CDC's *Fourth National Report on Human Exposure to Environmental Chemicals: Updated Tables* provides exposure data on the following chemicals or classes of chemicals. The updated tables contains cumulative data from national samples collected in 1999–2000, 2001–2002, 2003–2004, 2005–2006, and 2007–2008. Not all chemicals were measured in each national sample. The data tables are available at <http://www.cdc.gov/exposurereport>. An asterisk (*) denotes a chemical presented since publication of the Fourth Report, 2009.

Tobacco Smoke

Cotinine
NNAL (4-(methylnitrosamino)-1-(3-pyridyl)-1-butanol) *

Environmental Phenols

Benzophenone-3 (2-Hydroxy-4-methoxybenzophenone)
Bisphenol A (2,2-bis[4-Hydroxyphenyl] propane)
4-*tert*-Octylphenol (4-[1,1,3,3-Tetramethylbutyl] phenol)
Triclosan (2,4,4'-Trichloro-2'-hydroxyphenyl ether)

Fungicides and Metabolites

ortho-Phenylphenol
Ethylene thiourea*
Pentachlorophenol
Propylene thiourea*

2,4-Dichlorophenol*
2,4-Dichlorophenoxyacetic acid
2,4,5-Trichlorophenoxyacetic acid

Urinary Bensulfuron-methyl*
Urinary Foramsulfuron*
Urinary Halosulfuron*
Urinary Nicosulfuron*
Urinary Primisulfuron-methyl*
Urinary Rimsulfuron*
Urinary Sulfometuron-methyl*
Urinary Sulfosulfuron*
Urinary Chlorsulfuron*
Urinary Oxasulfuron*
Urinary Ethametsulfuron-methyl*
Urinary Mesosulfuron-methyl*
Urinary Metsulfuron-methyl*
Urinary Prosulfuron*
Urinary Thifensulfuron-methyl*
Urinary Triasulfuron*
Urinary Triflusulfuron-methyl*

Carbamate Metabolites

Carbofuranphenol
2-isopropoxyphenol

Urinary Acephate*
Urinary Dimethoate*
Urinary Omethoate*
Urinary Methamidophos*

Organochlorine Pesticides and Metabolites

2,4,5-Trichlorophenol
2,4,6-Trichlorophenol

Other Pesticide Metabolites

2,5-Dichlorophenol*

Urinary Daidzein
Urinary Enterodiol
Urinary Enterolactone
Urinary Equol
Urinary Genistein
Urinary O-Desmethylangolensin

Metals

Antimony
Arsenic, Total
Arsenic (V) acid
Arsenobetaine
Arsenocholine
Arsenous (III) acid
Dimethylarsinic acid
Monomethylarsonic acid
Trimethylarsine oxide
Barium
Beryllium
Cadmium
Cesium
Cobalt
Lead
Mercury
Molybdenum
Platinum
Thallium
Tungsten
Uranium

Butyl paraben*
Ethyl paraben*
Methyl paraben*
Propyl paraben*

Perfluorochemicals

Perfluorobutane sulfonic acid (PFBuS)
Perfluorodecanoic acid (PFDeA)
Perfluorododecanoic acid (PFDoA)
Perfluoroheptanoic acid (PFHpA)
Perfluorohexane sulfonic acid (PFHxS)
Perfluorononanoic acid (PFNA)
Perfluorooctanoic acid (PFOA)
Perfluorooctane sulfonic acid (PFOS)
Perfluorooctane sulfonamide (PFOSA)
2-(N-Ethyl-perfluorooctane sulfonamido) acetic acid (Et-PFOSA-AcOH)
2-(N-Methyl-perfluorooctane sulfonamido) acetic acid (Me-PFOSA-AcOH)
Perfluoroundecanoic acid (PFUA)

Perchlorate and Other Anions

Nitrate*
Perchlorate
Thiocyanate*

Phthalate Metabolites

Mono-benzyl phthalate (MBzP)
Mono-isobutyl phthalate (MiBP)
Mono-n-butyl phthalate (MnBP)
Mono-cyclohexyl phthalate (MCHP)
Mono-ethyl phthalate (MEP)
Mono-2-ethylhexyl phthalate (MEHP)
Mono-(2-ethyl-5-hydroxyhexyl) phthalate (MEHHP)
Mono-(2-ethyl-5-oxohexyl) phthalate (MEOHP)
Mono-(2-ethyl-5-carboxypentyl) phthalate (MECPP)
Mono-(carboxynonyl) phthalate (MCNP) *
Mono-isononyl phthalate (MiNP)
Mono-(carboxyoctyl) phthalate (MCOP) *
Mono-methyl phthalate (MMP)
Mono-(3-carboxypropyl) phthalate (MCPP)
Mono-n-octyl phthalate (MOP)