

Environmental Risk Score as a new tool to examine multi-pollutants in epidemiologic research: an example from the NHANES study using serum lipid levels

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Table S1. Environmental pollutants evaluated in the present study (n=134).

Class	N	Pollutant
Heavy metals	22	Lead (blood), lead (urine), cadmium (blood), cadmium (urine), total mercury (blood), inorganic mercury (blood), mercury (urine), total arsenic (urine), arsenous acid (urine), arsenic acid (urine), arsenic acid (urine), dimethylarsonic acid (urine), monomethylarsonic acid (urine), arsenobetaine (urine), arsenocholine (urine), barium (urine), cobalt (urine), cesium (urine), molybdenum (urine), antimony (urine), thallium (urine), tungsten (urine), uranium (urine)
Phthalates (urine)	12	mono-ethyl phthalate (MEP), mono-2-ethylhexyl phthalate (MEHP), mono-n-butyl phthalate (MBP), mono-(3-carboxylpropyl) phthalate (MCP), mono-cyclohexyl phthalate (MCHP), mono-benzyl phthalate (MBzP), mono-n-octyl phthalate (MNOP), mono-isobutyl phthalate (MIBP), mono-isononyl phthalate (MINP), mono-2-ethyl-5-hydroxyhexyl phthalate (MEHHP), mono-2-ethyl-5-oxohexyl phthalate (MEOHP), mono-2-ethyl-5-carboxypentyl phthalate (MECPP)
Environmental phenols (urine)	4	Bisphenol-A (BPA), 4-tert-octylphenol, benzophenone-3, triclosan
Polycyclic aromatic hydrocarbons (PAHs) (urine)	8	1-naphthol, 2-naphthol, 3-fluorene, 2-fluorene, 3-phenanthrene, 1-phenanthrene, 2-phenanthrene, 1-pyrene
Volatile organic compounds (VOCs) (blood)	13	Tetrachloroethene, Bromoform, Bromodichloromethane, Benzene, Chloroform, Dibromochloromethane, 1,4-Dichlorobenzene, Ethylbenzene, o-Xylene, Styrene, Trichloroethene, Toluene, m-/p-Xylene
Perfluorinated compounds (PFCs) (serum)	12	2-(N-ethyl-PFOSA) acetate, 2-(N-methyl-PFOSA) acetate, Perfluorodecanoic acid, Perfluoroheptanoic acid, Perfluorohexane sulfonic acid, Perfluorononanoic acid, Perfluorooctanoic acid, Perfluorooctane sulfonic acid, Perfluorooctane sulfonamide, Perfluoroundecanoic acid, Perfluorobutane sulfonic acid, Perfluorododecanoic acid
Dioxins and furans (serum)	12	1,2,3,7,8-PnCDD, 1,2,3,4,7,8-HxCDD, 1,2,3,6,7,8-HxCDD, 1,2,3,7,8,9-HxCDD, 1,2,3,4,6,7,8-HpCDD, 1,2,3,4,6,7,8,9-Octa-CDD, 2,3,7,8-TCDD, 2,3,4,7,8-PnCDF, 1,2,3,4,7,8-HxCDF, 1,2,3,6,7,8-HxCDF, 1,2,3,4,6,7,8-HpCDF
Dioxin-like polychlorinated biphenyls (PCBs) (serum)	10	PCB 28, 66, 74, 105, 118, 156, 157, 167, 3,3,4,4,5,5-PnCB, 3,3,4,4,5-HxCB
Non-dioxin-like PCBs (serum)	17	PCB 52, 99, 101, 138-158, 146, 153, 170, 172, 177, 178, 180, 183, 187, 194, 196-203, 199, 206
Organochlorine pesticides (serum)	10	Dichlorodipenyldichloroethylene (<i>p,p'</i> -DDE), Dichlorodiphenyltrichloroethane (<i>p,p'</i> -DDT), <i>o,p'</i> -DDT, mirex, hexachlorobenzene (HCB), trans-nonachlor, beta-hexachlorocyclohexane (HCCH), oxychlordan, dieldrin, heptachlor epoxide
Organophosphate dialkyl metabolites (urine)	6	Dimethylphosphate, diethylphosphate, dimethyl-thiophosphate, diethyl-thiophosphate, dimethyl-dithiophosphate, diethyl-dithiophosphate
Herbicides (urine)	3	2,4-D (2,4-dichlorophenoxyacetic acid), 2,4,5-T (2,4,5-trichlorophenoxyacetic acid), carbofuranphenol
Pesticides phenols (urine)	5	2,5-dichlorophenol, 2,4,5-trichlorophenol, 2,4,6-trichlorophenol, 2,4-dichlorophenol, O-Phenyl phenol