

Environmental Health Laboratory, California Department of Public Health

Biochemistry Section

STAFF PUBLICATIONS

2008 – 2014

2015

Sen I, Zou W, Alvaran J, Nguyen L, Gajek R, She J. Validation of a simple and robust method for arsenic speciation in human urine using HPLC-ICP-MS. *J AOAC International* 2015; in press.

Fan R-F, Wang D-L, She J. Method development for the simultaneous analysis of trans, trans-muconic acid, 1, 2-dihydroxybenzene, S-phenylmercapturic acid and S-benzylmercapturic acid in human urine by liquid chromatography/tandem mass spectrometry. *Analytical Methods* 2015; 7, 573 – 580.

2014

Liu L, She J, Zhang J, Tian M, Huang Q, Shen H. Online background cleanup liquid chromatography tandem mass spectrometry for analysis for perfluorinated compounds in human blood. *J Separation Science* 2014; doi: 10.1002/jssc.201400761.

Shen HQ, Xu W, Peng S, Scherb H, She J, Voigt K, Alamdar A, Schramm K-W. Pooling samples for “top-down” molecular exposomics research: the methodology. *Environment Health* 2014; 13:8, doi:10.1186/1476-069X-13-8.

Guo L-C, Bao L-J, She J, Zeng EY. Significance of wet deposition to removal of atmospheric particulate matter and polycyclic aromatic hydrocarbons: A case study in Guangzhou, China. *Atmospheric Environment* 2014; 83, 136 – 144.

2013

Gavin WQ, Ramage RT, Waldman J, She J. Development of HPLC-MS/MS method for the simultaneous determination of environmental phenols in human urine. *Int J Environ An Chem* 2013; doi: 10.1080/03067319.2013.814123.

Zou W, She J, Tolstikov VV. A comprehensive workflow of mass spectrometry-based untargeted metabolomics in cancer metabolic biomarker discovery using human plasma and urine. *Metabolites* 2013; 3(3): 787-819. doi: 10.3390/metabo3030787.

Wang D, Behniwal P, Fan R, Sai H, Ip S, She J. Matrix effects in analysis of dialkyl phosphate metabolites of organophosphate pesticides in urine by gas chromatography/tandem mass spectrometer. *J Environ Sci Health* 2013 Part B; 48(3): 177-182.

Gajek R, Barley F, She J. Determination of essential and toxic metals in blood by ICP-MS with calibration in synthetic matrix. *Anal Methods* 2013; Advance Article, doi: 10.1039/C3AY26036D.

2012

Fan R, Ramage R, Wang D, Zhou J, She J. Determination of ten monohydroxylated polycyclic aromatic hydrocarbons by liquid-liquid extraction and liquid chromatography tandem mass spectrometry. *Talanta* 2012; 93: 383 – 391.

Fan R, Wang D, Mao C, Oua S, Lian Z, Huang S, Lin Q, Ding R, She J. Preliminary study of children's exposure to PAHs and its association with 8-hydroxy-2'-deoxyguanosine in Guangzhou, China. *Environ Int* 2012; Jul: 42:53-8. Epub 2011 Apr 20.

Fan R, Wang D, Ramage R, and She J. Fast and simultaneous determination of urinary 8-hydroxy-2'-deoxyguanosine and PAHs by liquid chromatography/tandem mass spectrometry. *Chem Res Tox* 2012; 25: 491 – 499.

Xu W, Bao H, Liu F, Liu L, Zhu Y-G, She J, Dong S, Cai M, Li L, Li C, Shen H. Environmental exposure to arsenic may reduce human semen quality: associations derived from a Chinese cross-sectional study. *Environ Health* 2012; 11: 46.

Lu D, Wang D, Sai H, Ip S, Barley F, Ramage R, She J. Measurements of polybrominated diphenyl ethers and polychlorinated biphenyls in a single drop of blood. *J Chromatogr B Analyt Technol Biomed Life Sci* 2012 Apr 1; 891- 892, 36- 43.

2011

Park J-S, She J, Holden A, Sharp M, Gephart R, Souders-Mason G, Zhang V, Chow J, Leslie B, Hooper K. High postnatal exposures to polybrominated diphenyl ethers (PBDEs) and polychlorinated biphenyls (PCBs) via breast milk in California: Does BDE-209 transfer to breast milk? *Environ Sci Technol* 2011; 45(10): 4579 - 4585.

Dhillon K, Ho T, Rich P, Xu D, Lorey F, She J, Bhandal A. An automated method on analysis of blood steroids using liquid chromatography tandem mass spectrometry: Application to population screening for congenital adrenal hyperplasia in newborns. *Clin Chim Acta* 2011 Nov 20; 412(23-24):2076-84. Epub 2011 Jul 23.

2010

She J, She Y, Song W. Comparison of PBDE congener profiles and concentration levels in human specimens from China and the US and identification of human exposure sources. *Science China* 2010; 53 (5): 995-1002.

2008

Draper WM, Behniwal P, Wijekoon D. Direct determination of dialkyl phosphates by strong anion-exchange liquid chromatography/atmospheric pressure chemical ionization mass spectrometry using a quadrupole ion trap instrument. *Rapid Commun Mass Spectrom*, 2008 Sep; 22(17):2613-20. doi: 10.1002/rcm.3653.

She J, Holden A, Adelsbach TL, Tanner M, Schwarzbach SE, Yee JL, Hooper K. Concentrations and time trends of polybrominated diphenyl ethers and polychlorinated biphenyls in aquatic bird eggs from San Francisco Bay, CA 2000 – 2003. *Chemosphere* 2008; (73) S201 – S209.