

Selected References for Afternoon Session

Biomonitoring California Scientific Guidance Panel Meeting August 22, 2018

The following references are background materials for the afternoon session on "Measuring Exposures to PFASs¹ in California – Next Steps" at the August 2018 Scientific Guidance Panel Meeting.

Buck RC, Franklin J, Berger U, Conder JM, Cousins IT, de Voogt P, Jensen AA, Kannan K, Mabury SA, van Leeuwen SPJ. (2011). Perfluoroalkyl and polyfluoroalkyl substances in the environment: Terminology, classification, and origins. Integr Environ Assess Manag 7(4):513-541. Free full-text article.

Centers for Disease Control and Prevention (CDC, 2018). Fourth National Report on Human Exposure to Environmental Chemicals. Updated Tables, March 2018. Volume 1 (includes PFASs data for NHANES 2013-2014). Available at: https://www.cdc.gov/exposurereport/pdf/FourthReport_UpdatedTables_Volume1_Mar2018.pdf.

Department of Toxic Substances Control (DTSC, 2016). Work Plan Implementation: Perfluoroalkyl and Polyfluoroalkyl Substances (PFASs) in Carpets, Rugs, Indoor Upholstered Furniture, and their Care and Treatment Products. Safer Consumer Products. Available at: https://www.dtsc.ca.gov/SCP/upload/Background-Document-on-PFASs.pdf.

DTSC (2018). Product – Chemical Profile for Perfluoroalkyl and Polyfluoroalkyl Substances (PFASs) in Carpets and Rugs. Discussion Draft. Safer Consumer Products. Document available at: https://www.dtsc.ca.gov/SCP/upload/Product-Chemical-Profile-PFAS-Carpets-and-Rugs.PDF. Public comment on document available at: https://calsafer.dtsc.ca.gov/cms/search/?type=Submission&subtype=Comments&keyword=12738.

Dobraca D, Israel L, McNeel S, Voss R, Wang M, Gajek R, Park J-S, Harwani S, Barley F, She J, Das R (2015). Biomonitoring in California firefighters: Metals and perfluorinated chemicals. J Occup Environ Med 57(1):88–97. Free full-text article.

Hurley S, Houtz E, Goldberg D, Wang M, Park J-S, Nelson DO, Reynolds P, Bernstein L, Anton-Culver H, Horn-Ross P, Petreas M (2016). Preliminary associations between the detection of perfluoroalkyl acids (PFAAs) in drinking water and serum concentrations in a sample of California women. Environ Sci Technol Lett 3(7):264–269. Link to abstract. Full article available upon request.

Hurley S, Goldberg D, Wang M, Park J-S, Petreas M, Bernstein L, Anton-Culver H, Nelson DO, Reynolds P (2018). Time trends in per- and polyfluoroalkyl substances (PFASs) in California women: Declining serum levels, 2011-2015. Environ Sci Technol 52(1): 277–287. <u>Link to abstract</u>. Full article available upon request.

Kato K, Kalathil AA, Patel AM, Ye X, Calafat AM (2018). Per- and polyfluoroalkyl substances and fluorinated alternatives in urine and serum by on-line solid phase extraction—liquid chromatography—tandem mass spectrometry. Chemosphere 209:338-345. <u>Link to abstract</u>. Full article available upon request.

Office of Environmental Health Hazard Assessment (OEHHA, 2015). Potential Designated Chemicals: Perfluoroalkyl and Polyfluoroalkyl Substances (PFASs). March 13, 2015 Scientific Guidance Panel Meeting, Biomonitoring California. Available at:

https://biomonitoring.ca.gov/sites/default/files/downloads/PotenDesigPFASs 031315.pdf.

OEHHA (2015). Potential Priority Chemicals: Perfluoroalkyl and Polyfluoroalkyl Substances (PFASs). November 13, 2015 Scientific Guidance Panel Meeting, Biomonitoring California. Available at: https://biomonitoring.ca.gov/sites/default/files/downloads/PotentialPriority_PFASs_111815.pdf.

¹ Perfluoroalkyl and polyfluoroalkyl substances