

## Potential Priority Chemicals

May 24, 2010 Meeting of the Scientific Guidance Panel  
Biomonitoring California<sup>1</sup>

Potential Priority Chemical <sup>a</sup>	CDC Category	Use and Exposure	Laboratory Considerations			
			Lab	Biospecimen	Timeline for lab capability	Found in humans?
Butylparaben	Environmental phenols	Antimicrobial preservatives used in cosmetics, personal care products, pharmaceuticals, and food/beverage processing <sup>b</sup>	CDPH <sup>c</sup>	Urine	Methods for related chemicals under development <sup>d</sup>	Yes
Ethylparaben						
Methylparaben						
Propylparaben						

<sup>a</sup> The parent chemicals would be included as priority chemicals for biomonitoring. The Program would determine the appropriate target chemicals for measurement.

<sup>b</sup> The parabens shown are used in one or more of these applications.

<sup>c</sup> California Department of Public Health

<sup>d</sup> Methods for the environmental phenols triclosan and bisphenol A are under development.

### Reference:

Calafat AM, Ye X, Wong L-Y, Bishop AM, Needham LL. 2010. Urinary Concentrations of Four Parabens in the U.S. Population: 2005–2006. Environ Health Perspect 118(5):679-685. Available at:

<http://ehp03.niehs.nih.gov/article/fechArticle.action?articleURI=info%3Adoi%2F10.1289%2Fehp.0901560>

<sup>1</sup> California Environmental Contaminant Biomonitoring Program (also known as Biomonitoring California), codified at Health and Safety Code section 105440 et seq.