

Development of a Relative Estimate of Potency Distribution for 2,3,7,8-TCDF

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INTRODUCTION

Recently the possible benefits associated with the use of Relative Estimate of Potency, REP, distributions in probabilistic analyses involving mixtures of PCDD/F and PCB congeners have been discussed¹. The REP distributions have been proposed as a supplement or alternative to the "point estimate" 1998 W.H.O. TEFs that are typically employed in environmental risk assessments. Preliminary suggestions regarding weighting schemes for the REP values have also been proposed¹. A "revised" REP database was recently presented after it was determined that several of the individual 936 values considered by W.H.O. did not meet the original inclusion criteria or were duplicative². The impact of these revisions to the REP distributions suggested previously¹ has not been characterized. The purpose of this paper is to develop a weighted REP distribution for 2,3,7,8-TCDF using a revised REP database that is similar to that proposed by others².