

Experiment Number: S0624

Route: Gavage

Species/Strain: Rat/Harlan Sprague-Dawley

Toxicokinetics Data Summary

Test Compound: 3,3',4,4',5-Pentachlorobiphenyl

CAS Number: 57465-28-8

Date Report Requested: 11/09/2016

Time Report Requested: 14:00:36

Lab: Battelle Columbus

Female

Treatment Groups (ng/kg)

	10	1000	10	1000	1000
	Fat (Mesenteric)		Liver		Lung
C <sub>max</sub> (ng/g)	0.444	5.23	0.459	17.7	0.409
T <sub>max</sub> (day)	5.0	12.0	0.125	1.0	0.125
Lambda <sub>z</sub> (day <sup>-1</sup> )	0.00263	0.00494	1.15	0.00661	1.75
t <sub>1/2</sub> (day)	264.0	140.0	0.603	105.0	0.397
AUC <sub>0-t</sub> (pg/g*day)	90000.0	829000.0	303.0	903000.0	160.0
AUC <sub>inf</sub> (pg/g*day)	126000.0	1020000.0	431.0	996000.0	255.0

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## LEGEND

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Data are displayed as mean  $\pm$  SEM

### MODELING METHOD & BEST FIT MODEL

PROC NLIN in SAS 8.2 (SAS Institute Inc., Cary, NC); Toxicokinetic modeling using the data generated in this study was limited to simple noncompartmental analyses.

### ANALYTE

3,3',4,4',5-Pentachlorobiphenyl

### TK PARAMETERS

$C_{max}$  = Observed or Predicted Maximum plasma (or tissue) concentration

$T_{max}$  = Time at which  $C_{max}$  predicted or observed occurs

$\lambda_{a_z}$  = Non-compartmental analysis (NCA) terminal elimination rate constant, NCA  $k_e$  or  $k_{elim}$

$t_{1/2}$  =  $\lambda_{a_z}$  half-life,  $t_{1/2}$ , the terminal elimination half-life based on non-compartmental analysis

$AUC_{0-t}$  = Area under the plasma concentration versus time curve, AUC, from time  $t_i$  (initial) to  $t_f$  (final),  $AUC_{last}$

$AUC_{inf}$  = Area under the plasma concentration versus time curve, AUC, extrapolated to time equals infinity

**\*\* END OF REPORT \*\***