Table 7 Comparison of 24-hour Urine Porphyrins by PCP/PCB Exposure Subgroup[1,2]

Urinary Porphyrin (mcgs)	Unexposed	Ever PCP		Ever PCP Chloracne		Only PCP		Only PCP Chloracne	
PCB Exposure		Y	N	Y	N	Y	N	Y	N
	(N=295)	(N=57)	(N=307)	(N=8)	(N=56)	(N=37)	(N=221)	(N=4)	(N=26)
Uroporphyrin									
Mean	24.9	28.3	24.4	38.9*	26.4	23.4	23.6	29.5	21.9
% Abnormal[1]	8.8	12.3	8.3	25.0	8.9	5.4	7.9	0.0	3.9
Hepta									
Mean	3.2	5.4	3.6	7.0**	3.6	3.4	3.5	5.5*	2.7
% Abnormal	1.0	7.0	1.6	12.5	1.8	2.7	1.4	0.0	0.0
Hexa									
Mean	1.2	1.2	1.3	1.4	1.3	1.1	1.3	1.8*	1.5
% Abnormal	1.7	0.0	1.3	0.0	1.8	0.0	1.9	0.0	3.9
Penta									
Mean	2.3	2.9	2.2	8.4**	2.6	2.8	2.2	13.3**	2.8
% Abnormal	12.8	12.3	9.8	37.5	15.8	8.1	9.1	50.0	18.5
Copro									
Mean	90.6	90.1	92.2	167.3**	105.6	92.1	90.7	215.3**	102.4
% Abnormal	44.0	42.1	39.7	100.0	63.2*	40.5	36.2	100.0	55.6
Porphobilinogen									
Mean	1.09	0.9	1.1	1.05	1.16	0.9	1.1	1.0	1.1
% Abnormal	6.0	3.5	4.6	0.0	5.3	2.7	3.2	0.0	0.0

[1] Abnormal for males defined as uro > 46 ; hepta > 13 ; hexa > 5 ; penta > 4 ; copro > 96
Abnormal for females defined as uro > 22 ; hepta > 9 ; hexa > 4 ; penta > 3 ; copro > 60
Abnormal porphobilinogen > 2 for males and females

[2] All p values adjusted for age, gender, race, current alcohol, mercury exposure, and ferritin after excluding workers who used estrogens
Penta-, hexa-, and hepta- log transformed; uro- and coproporphyrin and porphobilinogen not transformed
* $.01 < p \leq .05$
** $p \leq .01$

DSW 476038.1803