

Hebei Spirit Oil Spill Exposure and Subjective Symptoms in Residents Participating in Clean-Up Activities

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In Table 3, The unit of concentration of VOC biomarkers was not correctly indicated. The unit of concentration of t,t-muconic acid is "ug/g creatinine" and those of the others are "mg/g creatinine".

Environ Health Toxicol 2011;26: e2011007

Corrected Table 3.

Table 3. Levels of biological exposure markers by exposure status and time since the accident in residents participating in clean-up of the Hebei Spirit oil spill, Taeon, Korea, 2007-2008 (unit; geometric mean and range)

	Clean-up participants (n=154)	Referents (n=39)	p-value	Clean-up participants		p-value
				2 nd -3 rd wk (n=124)	5 th -6 th wk (n=30)	
VOCs						
t,t-Muconic acid (ug/g cr)	25.1 (3 - 273)	25.7 (7 - 782)	0.90	25.8 (3.0 - 273.0)	23.0 (3.0 - 255.0)	0.54
Mandelic acid (mg/g cr)	2.0 (0.2 - 36.9)	1.4 (0.3 - 22.9)	0.06	1.81 (0.2 - 36.9)	2.68 (0.4 - 10.3)	0.05
Hippuric acid (mg/g cr)	223.5 (14.8 - 2473.1)	286.0 (46.7 - 1574.7)	0.19	217.7 (14.8 - 2473.1)	226.7 (60.4 - 1428.4)	0.09
Methyl hippuric acid (mg/g cr)	1.3 (0.2 - 91.5)	1.4 (0.4 - 8.3)	0.78	1.28 (0.2 - 91.5)	1.85 (0.7 - 5.3)	0.09
PAHs (ug/g cr)						
2-Naphthol	2.7 (0.1 - 70.6)	4.0 (0.5 - 111.6)	0.09	3.1 (0.3 - 47.2)	1.7 (0.1 - 70.6)	0.02
1-Hydroxypyrene	0.5 (0.1 - 2.4)	0.6 (0.2 - 1.7)	0.31	0.6 (0.2 - 2.4)	0.3 (0.1 - 1.1)	<0.001
Metals (ug/g cr)						
Lead	1.47 (0.06 - 5.92)	1.02 (0.12 - 3.31)	0.03	1.47 (0.06 - 5.92)	1.61 (0.08 - 4.38)	0.58
Mercury	0.59 (0.15 - 3.15)	0.38 (0.15 - 0.99)	0.0001	0.62 (0.15 - 3.15)	0.48 (0.17 - 2.88)	0.07
Cadmium	2.03 (0.21 - 10.13)	1.22 (0.29 - 4.16)	<0.0001	2.00 (0.21 - 10.13)	2.16 (0.37 - 6.20)	0.60
Nickel	2.78 (0.59 - 36.99)	2.80 (1.15 - 8.42)	0.93	2.93 (0.59 - 36.99)	2.22 (1.03 - 4.19)	0.01
Manganese	3.90 (0.75 - 23.45)	4.46 (1.73 - 13.47)	0.19	3.73 (0.75 - 25.45)	4.69 (2.11 - 11.66)	0.05

Geometric mean calculated by least square mean estimation using the generalized linear model after adjusting for age and gender.