

Table 2. Functional activity of the mononuclear phagocytic system in mice exposed to STD in the drinking water for 28 days.

Parameter	Vehicle	Sodium tungstate dihydrate (mg/L)					MVE 50 mg/kg	Trend Analysis
		125	250	500	1000	2000		
Vascular Half-life (min)	9.0 ± 0.6	7.9 ± 0.9	8.9 ± 0.8	9.3 ± 1.0	8.3 ± 0.7	9.4 ± 0.7	145.4 ± 34.7**	NS
Body Weight (g)	24.1 ± 0.5	23.8 ± 0.4	24.6 ± 0.4	23.0 ± 0.7	22.8 ± 0.5	22.6 ± 0.4	28.1 ± 0.7**	p ≤ 0.01
Liver Weight (mg)	947 ± 28	984 ± 25	981 ± 37	867 ± 32	896 ± 23	927 ± 26	1234 ± 38**	p ≤ 0.05
% Uptake	40.7 ± 2.8	41.7 ± 2.6	44.2 ± 1.7	40.6 ± 3.0	42.1 ± 2.1	39.4 ± 2.7	4.7 ± 0.4**	NS
cpm/mg	109 ± 9	106 ± 7	117 ± 4	113 ± 7	113 ± 6	100 ± 5	11 ± 1**	NS
Spleen Weight (mg)	75 ± 4	78 ± 3	82 ± 1*	73 ± 4	75 ± 3	83 ± 13	96 ± 5**	NS
% Uptake	16.3 ± 1.1	14.3 ± 1.9	15.4 ± 1.4	12.9 ± 1.1	14.8 ± 0.9	14.0 ± 0.9	14.4 ± 2.1	NS
cpm/mg	558 ± 51	460 ± 62	484 ± 42	431 ± 33	480 ± 33	434 ± 44	436 ± 56	NS
Lung Weight (mg)	187 ± 10	205 ± 8	219 ± 17	201 ± 13	217 ± 13	179 ± 6	210 ± 9	NS
% Uptake	0.8 ± 0.1	0.5 ± 0.1	0.8 ± 0.1	0.6 ± 0.1	0.7 ± 0.1	0.7 ± 0.2	4.2 ± 0.4**	NS
cpm/mg	11 ± 2	6 ± 1	10 ± 1	7 ± 1	8 ± 1	10 ± 2	60 ± 7**	NS
Thymus Weight (mg)	58 ± 2	55 ± 3	53 ± 3	58 ± 2	55 ± 5	55 ± 2	72 ± 6	NS
% Uptake	0.04 ± 0.01	0.03 ± 0.004	0.02 ± 0.01	0.02 ± 0.01	0.03 ± .01	0.03 ± 0.01	0.35 ± 0.09**	NS
cpm/mg	2 ± 1	1 ± 1	1 ± 1	1 ± 1	1 ± 1	1 ± 1	13 ± 3**	NS
Kidney Weight (mg)	309 ± 7	320 ± 14	336 ± 9	312 ± 7	310 ± 6	312 ± 8	374 ± 9**	NS
% Uptake	1.9 ± 0.1	1.5 ± 0.1*	1.8 ± 0.1	2.1 ± 0.2	1.8 ± 0.2	1.5 ± 0.1**	1.3 ± 0.2*	p ≤ 0.05
cpm/mg	15 ± 1	12 ± 1	14 ± 1	16 ± 2	14 ± 2	11 ± 1*	10 ± 2*	p ≤ 0.01

MVE = Maleic Vinyl Ether positive control

Values represent mean (± SE) from 7-8 animals/group; *p ≤ 0.05; **p ≤ 0.01; NS = Not significant.