Experiment Number: **A92643**
Test Type: **Genetic Toxicology - Micronucleus**
Route: **Inhalation**
Species/Strain: **Mouse/B6C3F1**

G04: In Vivo Micronucleus Summary Data
Test Compound: **Methyl vinyl ketone**
CAS Number: **78-94-4**

Date Report Requested: **09/21/2018**
Time Report Requested: **11:09:08**

NTP Study Number:	A92643
Study Duration:	13 Weeks
Study Methodology:	Slide Scoring
Male Study Result:	Equivocal
Female Study Result:	Negative

Experiment Number: **A92643**

Test Type: **Genetic Toxicology - Micronucleus**

Route: **Inhalation**

Species/Strain: **Mouse/B6C3F1**

G04: In Vivo Micronucleus Summary Data

Test Compound: **Methyl vinyl ketone**

CAS Number: **78-94-4**

Date Report Requested: **09/21/2018**

Time Report Requested: **11:09:08**

Tissue: Blood; Sex: Male; Number of Treatments: 65; Time interval between final treatment and cell sampling: 24 h

	MN PCE/1000			MN NCE/1000			% PCE
Dose (ppm)	**N**	**Mean ± SEM**	**p-Value**	**N**	**Mean ± SEM**	**p-Value**	**Mean ± SEM**
Vehicle Control[1]	10	1.80 ± 0.25		10	1.95 ± 0.19		2.51 ± 0.13
0.5	10	3.25 ± 0.38	0.0019 *	10	1.55 ± 0.20	0.8307	2.64 ± 0.18
1.0	10	2.90 ± 0.38	0.0115	10	1.45 ± 0.20	0.8876	2.35 ± 0.13
2.0	10	2.85 ± 0.18	0.0146	10	1.55 ± 0.20	0.8307	2.76 ± 0.10
Trend p-Value		0.0770			0.8050		

Trial Summary: Equivocal

Experiment Number: **A92643**

Test Type: **Genetic Toxicology - Micronucleus**

Route: **Inhalation**

Species/Strain: **Mouse/B6C3F1**

G04: In Vivo Micronucleus Summary Data

Test Compound: **Methyl vinyl ketone**

CAS Number: **78-94-4**

Date Report Requested: **09/21/2018**

Time Report Requested: **11:09:08**

Tissue: Blood; Sex: Female; Number of Treatments: 65; Time interval between final treatment and cell sampling: 24 h

	MN PCE/1000			MN NCE/1000			% PCE
Dose (ppm)	**N**	**Mean ± SEM**	**p-Value**	**N**	**Mean ± SEM**	**p-Value**	**Mean ± SEM**
Vehicle Control[1]	10	2.35 ± 0.18		10	1.10 ± 0.24		2.39 ± 0.14
0.5	10	2.65 ± 0.33	0.2740	10	0.95 ± 0.23	0.6804	2.19 ± 0.09
1.0	10	2.85 ± 0.39	0.1631	10	1.15 ± 0.25	0.4407	2.27 ± 0.15
2.0	10	2.70 ± 0.24	0.2428	10	0.75 ± 0.20	0.8752	2.31 ± 0.11
Trend p-Value		0.2610			0.8430		

Trial Summary: Negative

LEGEND

MN = micronucleated, PCE = polychromatic erythrocyte, NCE = normochromatic erythrocyte
CAS Number = Chemical Abstracts Service registry number
N = Number of subjects
Values given as Mean or Mean ± Standard Error Mean
Results were tabulated as the mean of the pooled results from all animals within a treatment group, plus or minus the standard error of the mean
Pairwise comparison to the concurrent control, dosed groups significant at p = 0.025/number of treatment groups; positive control value is significant at p = 0.05
Cochran-Armitage trend test, significant at p = 0.025
* Statistically significant pairwise or trend test
1: Vehicle Control: Air

** END OF REPORT **