Experiment Number: **A91962**
Test Type: **Genetic Toxicology - Micronucleus**
Route: **Inhalation**
Species/Strain: **Mouse/B6C3F1**

G04: In Vivo Micronucleus Summary Data
Test Compound: **Isobutene**
CAS Number: **115-11-7**

Date Report Requested: **09/21/2018**
Time Report Requested: **10:40:04**

NTP Study Number:	A91962
Study Duration:	92 Days
Study Methodology:	Slide Scoring
Male Study Result:	Negative
Female Study Result:	Negative

Experiment Number: **A91962**

Test Type: **Genetic Toxicology - Micronucleus**

Route: **Inhalation**

Species/Strain: **Mouse/B6C3F1**

G04: In Vivo Micronucleus Summary Data

Test Compound: **Isobutene**

CAS Number: **115-11-7**

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

Time Report Requested: **10:40:04**

Tissue: Blood; Sex: Male; Number of Treatments: 67; Time interval between final treatment and cell sampling: 24 h

		MN NCE/1000	
Dose (ppm)	**N**	**Mean ± SEM**	**p-Value**
Vehicle Control[1]	5	1.10 ± 0.37	
500.0	5	1.40 ± 0.33	0.2741
1000.0	5	1.70 ± 0.12	0.1283
2000.0	5	1.70 ± 0.20	0.1283
4000.0	5	1.60 ± 0.33	0.1678
8000.0	5	2.00 ± 0.47	0.0529
Trend p-Value		0.0860	

Trial Summary: Negative

Experiment Number: **A91962**

Test Type: **Genetic Toxicology - Micronucleus**

Route: **Inhalation**

Species/Strain: **Mouse/B6C3F1**

G04: In Vivo Micronucleus Summary Data

Test Compound: **Isobutene**

CAS Number: **115-11-7**

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

Time Report Requested: **10:40:04**

Tissue: Blood; Sex: Female; Number of Treatments: 67; Time interval between final treatment and cell sampling: 24 h

		MN NCE/1000	
Dose (ppm)	**N**	**Mean ± SEM**	**p-Value**
Vehicle Control[1]	5	0.80 ± 0.20	
500.0	5	1.00 ± 0.32	0.3186
1000.0	5	1.10 ± 0.29	0.2455
2000.0	5	0.60 ± 0.10	0.7036
4000.0	5	1.20 ± 0.25	0.1854
8000.0	5	0.80 ± 0.25	0.5000
Trend p-Value		0.5410	

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 **