

**Experiment Number:** 10472 - 04  
**Test Type:** CHRONIC  
**Route:** RESPIRATORY EXPOSURE WHOLE BODY  
**Species/Strain:** MICE/B6C3F1

**P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS**

p-Chloro-a,a,a-trifluorotoluene

**CAS Number:** 98-56-6

**Date Report Requested:** 03/25/2016

**Time Report Requested:** 09:19:23

**First Dose M/F:** 01/31/11 / 01/31/11

**Lab:** BNW

F1 Revision1\_M3

**NTP Study Number:** C10472B  
**Lock Date:** 08/29/2013  
**Cage Range:** ALL  
**Date Range:** ALL  
**Reasons For Removal:** ALL  
**Removal Date Range:** ALL  
**Treatment Groups:** Include ALL  
**Study Gender:** Both  
**TDMSE Version:** 3.0.2.3\_002  
**PWG Approval Date:** 02/01/2016

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## SUMMARY OF STATISTICALLY SIGNIFICANT (P<=.05) RESULTS IN THE ANALYSIS OF P-CHLORO-A,A,A-TRIFLUOROTOLUENE

### MALE MICE

#### Organ

Adrenal Cortex  
Eye  
Harderian Gland  
Islets, Pancreatic  
Kidney  
Larynx: Squamous Epithelium

Liver

Liver: Hepatocyte

Liver: Hepatocyte, Centrilobular  
Lung: Alveolar/Bronchiolar Epithelium  
Lung: Peribronchiolar  
Lymph Node, Mesenteric  
Nose  
Nose: Respiratory Epithelium  
Skin  
Stomach, Forestomach

### FEMALE MICE

#### Organ

Adrenal Medulla  
Bone  
Brain  
Liver

Liver: Hepatocyte

#### Morphology

Hypertrophy  
Inflammation  
Hyperplasia  
Hyperplasia  
Pigmentation  
Hyperplasia  
Inflammation  
Basophilic Focus  
Clear Cell Focus  
Eosinophilic Focus  
Inflammation  
Intrahepatocellular Erythrocytes  
Multinucleated  
Necrosis  
Hypertrophy  
Hyperplasia  
Fibrosis  
Hyperplasia Lymphoid  
Inflammation  
Accumulation, Hyaline Droplet  
Ulcer  
Inflammation

#### Morphology

Hyperplasia  
Fibro-osseous Lesion  
Compression  
Basophilic Focus  
Eosinophilic Focus  
Multinucleated  
Necrosis

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**SUMMARY OF STATISTICALLY SIGNIFICANT ( $P \leq .05$ ) RESULTS IN THE ANALYSIS OF P-CHLORO-A,A,A-TRIFLUOROTOLUENE**

Liver: Hepatocyte, Centrilobular  
Lung  
  
Lung: Alveolar/Bronchiolar Epithelium  
Lung: Alveolus  
Lung: Peribronchiolar  
Mammary Gland  
Nose: Olfactory Epithelium  
Nose: Respiratory Epithelium  
Pituitary Gland: Pars Distalis  
Stomach, Forestomach  
Stomach, Forestomach: Epithelium

Hypertrophy  
Hemorrhage  
Thrombosis  
Hyperplasia  
Infiltration Cellular Histiocyte  
Fibrosis  
Hyperplasia  
Accumulation, Hyaline Droplet  
Metaplasia  
Hyperplasia  
Inflammation  
Hyperplasia

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**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MICE(B6C3F1)  
TERMINAL SACRIFICE AT 105 WEEKS**

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DOSE	Males			
	Control	100 ppm	200 ppm	400 ppm
<b>Adrenal Cortex Degeneration</b>				
<b>LESION RATES</b>				
OVERALL (a)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
POLY-3 RATE (b)	0/46.18	0/47.37	0/44.38	0/41.81
POLY-3 PERCENT (g)	0%	0%	0%	0%
TERMINAL (d)	0/40 (0%)	0/40 (0%)	0/35 (0%)	0/28 (0%)
FIRST INCIDENCE	---	---	---	---
<b>STATISTICAL TESTS</b>				
POLY 3	(n)	(n)	(n)	(n)
POLY 1.5	(n)	(n)	(n)	(n)
POLY 6	(n)	(n)	(n)	(n)
COCH-ARM / FISHERS	(n)	(n)	(n)	(n)
MAX-ISO-POLY-3	(n)	(n)	(n)	(n)

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**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MICE(B6C3F1)  
 TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Males			
	Control	100 ppm	200 ppm	400 ppm
<b>Adrenal Cortex Hyperplasia</b>				
<b>LESION RATES</b>				
OVERALL (a)	2/50 (4%)	1/50 (2%)	1/50 (2%)	1/50 (2%)
POLY-3 RATE (b)	2/46.18	1/47.49	1/44.38	1/41.81
POLY-3 PERCENT (g)	4.3%	2.1%	2.3%	2.4%
TERMINAL (d)	2/40 (5%)	0/40 (0%)	1/35 (3%)	1/28 (4%)
FIRST INCIDENCE	729 (T)	698	729 (T)	729 (T)
<b>STATISTICAL TESTS</b>				
POLY 3	P=0.436N	P=0.490N	P=0.514N	P=0.535N
POLY 1.5	P=0.425N	P=0.494N	P=0.509N	P=0.519N
POLY 6	P=0.452N	P=0.488N	P=0.520N	P=0.560N
COCH-ARM / FISHERS	P=0.409N	P=0.500N	P=0.500N	P=0.500N
MAX-ISO-POLY-3	P=0.464N	P=0.275N	P=0.296N	P=0.318N

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**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MICE(B6C3F1)  
 TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Males			
	Control	100 ppm	200 ppm	400 ppm
<b>Adrenal Cortex Hypertrophy</b>				
<b>LESION RATES</b>				
OVERALL (a)	20/50 (40%)	34/50 (68%)	24/50 (48%)	17/50 (34%)
POLY-3 RATE (b)	20/46.97	34/48.17	24/45.21	17/44.21
POLY-3 PERCENT (g)	42.6%	70.6%	53.1%	38.5%
TERMINAL (d)	18/40 (45%)	31/40 (78%)	19/35 (54%)	11/28 (39%)
FIRST INCIDENCE	612	605	647	415
<b>STATISTICAL TESTS</b>				
POLY 3	P=0.122N	P=0.004**	P=0.209	P=0.425N
POLY 1.5	P=0.091N	P=0.004**	P=0.231	P=0.382N
POLY 6	P=0.189N	P=0.003**	P=0.188	P=0.500N
COCH-ARM / FISHERS	P=0.072N	P=0.004**	P=0.273	P=0.339N
MAX-ISO-POLY-3	P=0.060N	P=0.002**	P=0.158	P=0.347N

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**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MICE(B6C3F1)  
TERMINAL SACRIFICE AT 105 WEEKS**

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DOSE	Males			
	Control	100 ppm	200 ppm	400 ppm
<b>Adrenal Cortex</b>				
<b>Vacuolization Cytoplasmic</b>				
<hr/>				
<b>LESION RATES</b>				
OVERALL (a)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
POLY-3 RATE (b)	0/46.18	0/47.37	0/44.38	0/41.81
POLY-3 PERCENT (g)	0%	0%	0%	0%
TERMINAL (d)	0/40 (0%)	0/40 (0%)	0/35 (0%)	0/28 (0%)
FIRST INCIDENCE	---	---	---	---
<hr/>				
<b>STATISTICAL TESTS</b>				
POLY 3	(n)	(n)	(n)	(n)
POLY 1.5	(n)	(n)	(n)	(n)
POLY 6	(n)	(n)	(n)	(n)
COCH-ARM / FISHERS	(n)	(n)	(n)	(n)
MAX-ISO-POLY-3	(n)	(n)	(n)	(n)

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**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MICE(B6C3F1)  
 TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Males			
	Control	100 ppm	200 ppm	400 ppm
<b>Adrenal Medulla Hyperplasia</b>				
<b>LESION RATES</b>				
OVERALL (a)	1/50 (2%)	1/50 (2%)	0/50 (0%)	1/50 (2%)
POLY-3 RATE (b)	1/46.18	1/47.37	0/44.38	1/42.19
POLY-3 PERCENT (g)	2.2%	2.1%	0%	2.4%
TERMINAL (d)	1/40 (3%)	1/40 (3%)	0/35 (0%)	0/28 (0%)
FIRST INCIDENCE	729 (T)	729 (T)	---	622
<b>STATISTICAL TESTS</b>				
POLY 3	(n)	(n)	(n)	(n)
POLY 1.5	(n)	(n)	(n)	(n)
POLY 6	(n)	(n)	(n)	(n)
COCH-ARM / FISHERS	(n)	(n)	(n)	(n)
MAX-ISO-POLY-3	(n)	(n)	(n)	(n)



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 TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Males			
	Control	100 ppm	200 ppm	400 ppm
<b>Blood Vessel Inflammation</b>				
<b>LESION RATES</b>				
OVERALL (a)	0/50 (0%)	0/50 (0%)	2/50 (4%)	0/50 (0%)
POLY-3 RATE (b)	0/46.18	0/47.37	2/44.86	0/41.81
POLY-3 PERCENT (g)	0%	0%	4.5%	0%
TERMINAL (d)	0/40 (0%)	0/40 (0%)	1/35 (3%)	0/28 (0%)
FIRST INCIDENCE	---	---	587	---
<b>STATISTICAL TESTS</b>				
POLY 3	P=0.535	(e)	P=0.231	(e)
POLY 1.5	P=0.563	(e)	P=0.233	(e)
POLY 6	P=0.491	(e)	P=0.228	(e)
COCH-ARM / FISHERS	P=0.595	(e)	P=0.247	(e)
MAX-ISO-POLY-3	P=0.265	(e)	P=0.076	(e)

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**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MICE(B6C3F1)  
 TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Males			
	Control	100 ppm	200 ppm	400 ppm
<b>Bone Marrow Hyperplasia</b>				
<b>LESION RATES</b>				
OVERALL (a)	24/50 (48%)	26/50 (52%)	27/50 (54%)	27/50 (54%)
POLY-3 RATE (b)	24/48.25	26/47.90	27/48.17	27/44.32
POLY-3 PERCENT (g)	49.7%	54.3%	56.1%	60.9%
TERMINAL (d)	19/40 (48%)	22/40 (55%)	19/35 (54%)	20/28 (71%)
FIRST INCIDENCE	424	672	340	415
<b>STATISTICAL TESTS</b>				
POLY 3	P=0.162	P=0.404	P=0.338	P=0.187
POLY 1.5	P=0.225	P=0.414	P=0.344	P=0.254
POLY 6	P=0.092	P=0.387	P=0.325	P=0.107
COCH-ARM / FISHERS	P=0.316	P=0.421	P=0.345	P=0.345
MAX-ISO-POLY-3	P=0.240	P=0.328	P=0.267	P=0.144

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 TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Males			
	Control	100 ppm	200 ppm	400 ppm
<b>Bone</b>				
<b>Fibro-osseous Lesion</b>				
<b>LESION RATES</b>				
OVERALL (a)	2/50 (4%)	0/50 (0%)	2/50 (4%)	2/50 (4%)
POLY-3 RATE (b)	2/46.18	0/47.37	2/44.38	2/42.79
POLY-3 PERCENT (g)	4.3%	0%	4.5%	4.7%
TERMINAL (d)	2/40 (5%)	0/40 (0%)	2/35 (6%)	0/28 (0%)
FIRST INCIDENCE	729 (T)	---	729 (T)	477
<b>STATISTICAL TESTS</b>				
POLY 3	P=0.408	P=0.232N	P=0.680	P=0.666
POLY 1.5	P=0.424	P=0.234N	P=0.685	P=0.679
POLY 6	P=0.385	P=0.231N	P=0.673	P=0.644
COCH-ARM / FISHERS	P=0.444	P=0.247N	P=0.691N	P=0.691N
MAX-ISO-POLY-3	P=0.423	P=0.076N	P=0.483	P=0.469

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 TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Males			
	Control	100 ppm	200 ppm	400 ppm
<b>Brain Compression</b>				
<b>LESION RATES</b>				
OVERALL (a)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
POLY-3 RATE (b)	0/46.18	0/47.37	0/44.38	0/41.81
POLY-3 PERCENT (g)	0%	0%	0%	0%
TERMINAL (d)	0/40 (0%)	0/40 (0%)	0/35 (0%)	0/28 (0%)
FIRST INCIDENCE	---	---	---	---
<b>STATISTICAL TESTS</b>				
POLY 3	(n)	(n)	(n)	(n)
POLY 1.5	(n)	(n)	(n)	(n)
POLY 6	(n)	(n)	(n)	(n)
COCH-ARM / FISHERS	(n)	(n)	(n)	(n)
MAX-ISO-POLY-3	(n)	(n)	(n)	(n)

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 TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Males			
	Control	100 ppm	200 ppm	400 ppm
<b>Brain Degeneration</b>				
<b>LESION RATES</b>				
OVERALL (a)	0/50 (0%)	0/50 (0%)	2/50 (4%)	0/50 (0%)
POLY-3 RATE (b)	0/46.18	0/47.37	2/45.12	0/41.81
POLY-3 PERCENT (g)	0%	0%	4.4%	0%
TERMINAL (d)	0/40 (0%)	0/40 (0%)	0/35 (0%)	0/28 (0%)
FIRST INCIDENCE	---	---	586	---
<b>STATISTICAL TESTS</b>				
POLY 3	P=0.535	(e)	P=0.232	(e)
POLY 1.5	P=0.563	(e)	P=0.234	(e)
POLY 6	P=0.490	(e)	P=0.231	(e)
COCH-ARM / FISHERS	P=0.595	(e)	P=0.247	(e)
MAX-ISO-POLY-3	P=0.266	(e)	P=0.076	(e)

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 TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Males			
	Control	100 ppm	200 ppm	400 ppm
<b>Brain Inflammation</b>				
<b>LESION RATES</b>				
OVERALL (a)	1/50 (2%)	0/50 (0%)	2/50 (4%)	0/50 (0%)
POLY-3 RATE (b)	1/46.64	0/47.37	2/44.86	0/41.81
POLY-3 PERCENT (g)	2.1%	0%	4.5%	0%
TERMINAL (d)	0/40 (0%)	0/40 (0%)	1/35 (3%)	0/28 (0%)
FIRST INCIDENCE	595	---	587	---
<b>STATISTICAL TESTS</b>				
POLY 3	P=0.499N	P=0.497N	P=0.486	P=0.522N
POLY 1.5	P=0.482N	P=0.498N	P=0.491	P=0.512N
POLY 6	P=0.522N	P=0.497N	P=0.481	P=0.537N
COCH-ARM / FISHERS	P=0.461N	P=0.500N	P=0.500	P=0.500N
MAX-ISO-POLY-3	P=0.370N	P=0.159N	P=0.273	P=0.185N

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**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MICE(B6C3F1)  
 TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Males			
	Control	100 ppm	200 ppm	400 ppm
<b>Epididymis</b>				
<b>Exfoliated Germ Cell</b>				
<b>LESION RATES</b>				
OVERALL (a)	1/50 (2%)	4/50 (8%)	0/50 (0%)	2/50 (4%)
POLY-3 RATE (b)	1/46.18	4/47.92	0/44.38	2/41.99
POLY-3 PERCENT (g)	2.2%	8.4%	0%	4.8%
TERMINAL (d)	1/40 (3%)	2/40 (5%)	0/35 (0%)	1/28 (4%)
FIRST INCIDENCE	729 (T)	605	---	682
<b>STATISTICAL TESTS</b>				
POLY 3	P=0.590	P=0.190	P=0.508N	P=0.467
POLY 1.5	P=0.593N	P=0.186	P=0.505N	P=0.482
POLY 6	P=0.563	P=0.194	P=0.511N	P=0.443
COCH-ARM / FISHERS	P=0.577N	P=0.181	P=0.500N	P=0.500
MAX-ISO-POLY-3	P=0.396N	P=0.095	P=0.168N	P=0.262

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 Route: RESPIRATORY EXPOSURE WHOLE BODY  
 Species/Strain: MICE/B6C3F1

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS  
 p-Chloro-a,a,a-trifluorotoluene  
 CAS Number: 98-56-6

Date Report Requested: 03/25/2016  
 Time Report Requested: 09:19:23  
 First Dose M/F: 01/31/11 / 01/31/11  
 Lab: BNW

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MICE(B6C3F1)  
 TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Males			
	Control	100 ppm	200 ppm	400 ppm
<b>Epididymis Granuloma Sperm</b>				
<b>LESION RATES</b>				
OVERALL (a)	2/50 (4%)	2/50 (4%)	1/50 (2%)	2/50 (4%)
POLY-3 RATE (b)	2/46.50	2/47.37	1/44.86	2/42.53
POLY-3 PERCENT (g)	4.3%	4.2%	2.2%	4.7%
TERMINAL (d)	1/40 (3%)	2/40 (5%)	0/35 (0%)	1/28 (4%)
FIRST INCIDENCE	640	729 (T)	587	477
<b>STATISTICAL TESTS</b>				
POLY 3	P=0.590	P=0.687N	P=0.513N	P=0.661
POLY 1.5	P=0.592N	P=0.689N	P=0.508N	P=0.677
POLY 6	P=0.564	P=0.688N	P=0.518N	P=0.635
COCH-ARM / FISHERS	P=0.577N	P=0.691N	P=0.500N	P=0.691N
MAX-ISO-POLY-3	P=0.623	P=0.492N	P=0.294N	P=0.464



Experiment Number: 10472 - 04  
 Test Type: CHRONIC  
 Route: RESPIRATORY EXPOSURE WHOLE BODY  
 Species/Strain: MICE/B6C3F1

**P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS**  
 p-Chloro-a,a,a-trifluorotoluene  
 CAS Number: 98-56-6

Date Report Requested: 03/25/2016  
 Time Report Requested: 09:19:23  
 First Dose M/F: 01/31/11 / 01/31/11  
 Lab: BNW

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MICE(B6C3F1)  
 TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Males			
	Control	100 ppm	200 ppm	400 ppm
Eye Atrophy				
<b>LESION RATES</b>				
OVERALL (a)	0/50 (0%)	1/50 (2%)	0/50 (0%)	2/50 (4%)
POLY-3 RATE (b)	0/46.18	1/47.37	0/44.38	2/41.81
POLY-3 PERCENT (g)	0%	2.1%	0%	4.8%
TERMINAL (d)	0/40 (0%)	1/40 (3%)	0/35 (0%)	2/28 (7%)
FIRST INCIDENCE	---	729 (T)	---	729 (T)
<b>STATISTICAL TESTS</b>				
POLY 3	P=0.125	P=0.505	(e)	P=0.216
POLY 1.5	P=0.132	P=0.503	(e)	P=0.226
POLY 6	P=0.116	P=0.506	(e)	P=0.201
COCH-ARM / FISHERS	P=0.140	P=0.500	(e)	P=0.247
MAX-ISO-POLY-3	P=0.077	P=0.165	(e)	P=0.076

Experiment Number: 10472 - 04  
 Test Type: CHRONIC  
 Route: RESPIRATORY EXPOSURE WHOLE BODY  
 Species/Strain: MICE/B6C3F1

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS  
 p-Chloro-a,a,a-trifluorotoluene  
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Date Report Requested: 03/25/2016  
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 First Dose M/F: 01/31/11 / 01/31/11  
 Lab: BNW

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MICE(B6C3F1)  
 TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Males			
	Control	100 ppm	200 ppm	400 ppm
Eye Cataract				
<b>LESION RATES</b>				
OVERALL (a)	1/50 (2%)	1/50 (2%)	1/50 (2%)	1/50 (2%)
POLY-3 RATE (b)	1/46.18	1/47.37	1/44.73	1/42.53
POLY-3 PERCENT (g)	2.2%	2.1%	2.2%	2.4%
TERMINAL (d)	1/40 (3%)	1/40 (3%)	0/35 (0%)	0/28 (0%)
FIRST INCIDENCE	729 (T)	729 (T)	631	477
<b>STATISTICAL TESTS</b>				
POLY 3	(n)	(n)	(n)	(n)
POLY 1.5	(n)	(n)	(n)	(n)
POLY 6	(n)	(n)	(n)	(n)
COCH-ARM / FISHERS	(n)	(n)	(n)	(n)
MAX-ISO-POLY-3	(n)	(n)	(n)	(n)

Experiment Number: 10472 - 04  
 Test Type: CHRONIC  
 Route: RESPIRATORY EXPOSURE WHOLE BODY  
 Species/Strain: MICE/B6C3F1

**P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS**

p-Chloro-a,a,a-trifluorotoluene

CAS Number: 98-56-6

Date Report Requested: 03/25/2016

Time Report Requested: 09:19:23

First Dose M/F: 01/31/11 / 01/31/11

Lab: BNW

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MICE(B6C3F1)  
 TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Males			
	Control	100 ppm	200 ppm	400 ppm
<b>Eye Inflammation</b>				
<b>LESION RATES</b>				
OVERALL (a)	0/50 (0%)	3/50 (6%)	1/50 (2%)	1/50 (2%)
POLY-3 RATE (b)	0/46.18	3/47.37	1/44.73	1/41.81
POLY-3 PERCENT (g)	0%	6.3%	2.2%	2.4%
TERMINAL (d)	0/40 (0%)	3/40 (8%)	0/35 (0%)	1/28 (4%)
FIRST INCIDENCE	---	729 (T)	631	729 (T)
<b>STATISTICAL TESTS</b>				
POLY 3	P=0.542	P=0.123	P=0.494	P=0.480
POLY 1.5	P=0.565	P=0.122	P=0.496	P=0.489
POLY 6	P=0.506	P=0.124	P=0.491	P=0.466
COCH-ARM / FISHERS	P=0.591	P=0.121	P=0.500	P=0.500
MAX-ISO-POLY-3	P=0.255	P=0.042*	P=0.158	P=0.158

Experiment Number: 10472 - 04  
 Test Type: CHRONIC  
 Route: RESPIRATORY EXPOSURE WHOLE BODY  
 Species/Strain: MICE/B6C3F1

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS  
 p-Chloro-a,a,a-trifluorotoluene  
 CAS Number: 98-56-6

Date Report Requested: 03/25/2016  
 Time Report Requested: 09:19:23  
 First Dose M/F: 01/31/11 / 01/31/11  
 Lab: BNW

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MICE(B6C3F1)  
 TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Males			
	Control	100 ppm	200 ppm	400 ppm
<b>Eye: Cornea Hyperplasia</b>				
<b>LESION RATES</b>				
OVERALL (a)	2/50 (4%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
POLY-3 RATE (b)	2/46.18	0/47.37	0/44.38	0/41.81
POLY-3 PERCENT (g)	4.3%	0%	0%	0%
TERMINAL (d)	2/40 (5%)	0/40 (0%)	0/35 (0%)	0/28 (0%)
FIRST INCIDENCE	729 (T)	---	---	---
<b>STATISTICAL TESTS</b>				
POLY 3	P=0.114N	P=0.232N	P=0.246N	P=0.260N
POLY 1.5	P=0.114N	P=0.234N	P=0.243N	P=0.249N
POLY 6	P=0.111N	P=0.231N	P=0.250N	P=0.277N
COCH-ARM / FISHERS	P=0.115N	P=0.247N	P=0.247N	P=0.247N
MAX-ISO-POLY-3	P=0.052N	P=0.076N	P=0.085N	P=0.098N

Experiment Number: 10472 - 04  
 Test Type: CHRONIC  
 Route: RESPIRATORY EXPOSURE WHOLE BODY  
 Species/Strain: MICE/B6C3F1

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS  
 p-Chloro-a,a,a-trifluorotoluene  
 CAS Number: 98-56-6

Date Report Requested: 03/25/2016  
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 First Dose M/F: 01/31/11 / 01/31/11  
 Lab: BNW

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MICE(B6C3F1)  
 TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Males			
	Control	100 ppm	200 ppm	400 ppm
<b>Harderian Gland Hyperplasia</b>				
<b>LESION RATES</b>				
OVERALL (a)	1/50 (2%)	5/50 (10%)	1/50 (2%)	1/50 (2%)
POLY-3 RATE (b)	1/46.18	5/47.37	1/44.64	1/41.81
POLY-3 PERCENT (g)	2.2%	10.6%	2.2%	2.4%
TERMINAL (d)	1/40 (3%)	5/40 (13%)	0/35 (0%)	1/28 (4%)
FIRST INCIDENCE	729 (T)	729 (T)	659	729 (T)
<b>STATISTICAL TESTS</b>				
POLY 3	P=0.352N	P=0.107	P=0.753	P=0.738
POLY 1.5	P=0.333N	P=0.106	P=0.756	P=0.749
POLY 6	P=0.382N	P=0.108	P=0.750	P=0.721
COCH-ARM / FISHERS	P=0.313N	P=0.102	P=0.753N	P=0.753N
MAX-ISO-POLY-3	P=0.304N	P=0.050*	P=0.490	P=0.472

Experiment Number: 10472 - 04  
Test Type: CHRONIC  
Route: RESPIRATORY EXPOSURE WHOLE BODY  
Species/Strain: MICE/B6C3F1

**P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS**

p-Chloro-a,a,a-trifluorotoluene

CAS Number: 98-56-6

Date Report Requested: 03/25/2016

Time Report Requested: 09:19:23

First Dose M/F: 01/31/11 / 01/31/11

Lab: BNW

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MICE(B6C3F1)  
TERMINAL SACRIFICE AT 105 WEEKS**

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DOSE	Males			
	Control	100 ppm	200 ppm	400 ppm
<b>Heart</b>				
<b>Cardiomyopathy</b>				
<b>LESION RATES</b>				
OVERALL (a)	10/50 (20%)	14/50 (28%)	13/50 (26%)	11/50 (22%)
POLY-3 RATE (b)	10/46.57	14/47.85	13/44.53	11/43.57
POLY-3 PERCENT (g)	21.5%	29.3%	29.2%	25.3%
TERMINAL (d)	9/40 (23%)	11/40 (28%)	10/35 (29%)	7/28 (25%)
FIRST INCIDENCE	620	672	704	548
<b>STATISTICAL TESTS</b>				
POLY 3	P=0.441	P=0.264	P=0.272	P=0.431
POLY 1.5	P=0.488	P=0.257	P=0.289	P=0.463
POLY 6	P=0.371	P=0.270	P=0.253	P=0.380
COCH-ARM / FISHERS	P=0.545	P=0.241	P=0.318	P=0.500
MAX-ISO-POLY-3	P=0.405	P=0.196	P=0.204	P=0.340

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Experiment Number: 10472 - 04  
 Test Type: CHRONIC  
 Route: RESPIRATORY EXPOSURE WHOLE BODY  
 Species/Strain: MICE/B6C3F1

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS  
 p-Chloro-a,a,a-trifluorotoluene  
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Date Report Requested: 03/25/2016  
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**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MICE(B6C3F1)  
 TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Males			
	Control	100 ppm	200 ppm	400 ppm
<b>Heart Inflammation</b>				
<b>LESION RATES</b>				
OVERALL (a)	1/50 (2%)	1/50 (2%)	3/50 (6%)	0/50 (0%)
POLY-3 RATE (b)	1/46.18	1/47.37	3/45.32	0/41.81
POLY-3 PERCENT (g)	2.2%	2.1%	6.6%	0%
TERMINAL (d)	1/40 (3%)	1/40 (3%)	1/35 (3%)	0/28 (0%)
FIRST INCIDENCE	729 (T)	729 (T)	587	---
<b>STATISTICAL TESTS</b>				
POLY 3	P=0.461N	P=0.755N	P=0.299	P=0.520N
POLY 1.5	P=0.437N	P=0.757N	P=0.301	P=0.511N
POLY 6	P=0.496N	P=0.754N	P=0.297	P=0.534N
COCH-ARM / FISHERS	P=0.409N	P=0.753N	P=0.309	P=0.500N
MAX-ISO-POLY-3	P=0.269N	P=0.492N	P=0.151	P=0.183N

Experiment Number: 10472 - 04  
Test Type: CHRONIC  
Route: RESPIRATORY EXPOSURE WHOLE BODY  
Species/Strain: MICE/B6C3F1

**P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS**

p-Chloro-a,a,a-trifluorotoluene

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Date Report Requested: 03/25/2016

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First Dose M/F: 01/31/11 / 01/31/11

Lab: BNW

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MICE(B6C3F1)  
TERMINAL SACRIFICE AT 105 WEEKS**

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DOSE	Males			
	Control	100 ppm	200 ppm	400 ppm
<hr/>				
Heart Necrosis				
<hr/>				
<b>LESION RATES</b>				
OVERALL (a)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
POLY-3 RATE (b)	0/46.18	0/47.37	0/44.38	0/41.81
POLY-3 PERCENT (g)	0%	0%	0%	0%
TERMINAL (d)	0/40 (0%)	0/40 (0%)	0/35 (0%)	0/28 (0%)
FIRST INCIDENCE	---	---	---	---
<hr/>				
<b>STATISTICAL TESTS</b>				
POLY 3	(n)	(n)	(n)	(n)
POLY 1.5	(n)	(n)	(n)	(n)
POLY 6	(n)	(n)	(n)	(n)
COCH-ARM / FISHERS	(n)	(n)	(n)	(n)
MAX-ISO-POLY-3	(n)	(n)	(n)	(n)

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Experiment Number: 10472 - 04  
 Test Type: CHRONIC  
 Route: RESPIRATORY EXPOSURE WHOLE BODY  
 Species/Strain: MICE/B6C3F1

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS  
 p-Chloro-a,a,a-trifluorotoluene  
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**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MICE(B6C3F1)  
 TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Males			
	Control	100 ppm	200 ppm	400 ppm
<b>Heart Thrombosis</b>				
<b>LESION RATES</b>				
OVERALL (a)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
POLY-3 RATE (b)	0/46.18	0/47.37	0/44.38	0/41.81
POLY-3 PERCENT (g)	0%	0%	0%	0%
TERMINAL (d)	0/40 (0%)	0/40 (0%)	0/35 (0%)	0/28 (0%)
FIRST INCIDENCE	---	---	---	---
<b>STATISTICAL TESTS</b>				
POLY 3	(n)	(n)	(n)	(n)
POLY 1.5	(n)	(n)	(n)	(n)
POLY 6	(n)	(n)	(n)	(n)
COCH-ARM / FISHERS	(n)	(n)	(n)	(n)
MAX-ISO-POLY-3	(n)	(n)	(n)	(n)

Experiment Number: 10472 - 04  
 Test Type: CHRONIC  
 Route: RESPIRATORY EXPOSURE WHOLE BODY  
 Species/Strain: MICE/B6C3F1

**P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS**

p-Chloro-a,a,a-trifluorotoluene

CAS Number: 98-56-6

Date Report Requested: 03/25/2016

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First Dose M/F: 01/31/11 / 01/31/11

Lab: BNW

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MICE(B6C3F1)  
 TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Males			
	Control	100 ppm	200 ppm	400 ppm
<b>Intestine Large, Cecum Inflammation</b>				
<b>LESION RATES</b>				
OVERALL (a)	0/50 (0%)	2/50 (4%)	0/50 (0%)	0/50 (0%)
POLY-3 RATE (b)	0/46.18	2/47.37	0/44.38	0/41.81
POLY-3 PERCENT (g)	0%	4.2%	0%	0%
TERMINAL (d)	0/40 (0%)	2/40 (5%)	0/35 (0%)	0/28 (0%)
FIRST INCIDENCE	---	729 (T)	---	---
<b>STATISTICAL TESTS</b>				
POLY 3	P=0.420N	P=0.243	(e)	(e)
POLY 1.5	P=0.413N	P=0.241	(e)	(e)
POLY 6	P=0.433N	P=0.244	(e)	(e)
COCH-ARM / FISHERS	P=0.405N	P=0.247	(e)	(e)
MAX-ISO-POLY-3	P=0.295N	P=0.081	(e)	(e)

Experiment Number: 10472 - 04  
 Test Type: CHRONIC  
 Route: RESPIRATORY EXPOSURE WHOLE BODY  
 Species/Strain: MICE/B6C3F1

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS  
 p-Chloro-a,a,a-trifluorotoluene  
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**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MICE(B6C3F1)  
 TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Males			
	Control	100 ppm	200 ppm	400 ppm
<b>Islets, Pancreatic Hyperplasia</b>				
<b>LESION RATES</b>				
OVERALL (a)	4/50 (8%)	1/49 (2%)	5/50 (10%)	0/50 (0%)
POLY-3 RATE (b)	4/46.21	1/46.78	5/44.73	0/41.81
POLY-3 PERCENT (g)	8.7%	2.1%	11.2%	0%
TERMINAL (d)	3/40 (8%)	1/40 (3%)	4/35 (11%)	0/28 (0%)
FIRST INCIDENCE	723	729 (T)	631	---
<b>STATISTICAL TESTS</b>				
POLY 3	P=0.146N	P=0.175N	P=0.480	P=0.074N
POLY 1.5	P=0.130N	P=0.179N	P=0.487	P=0.067N
POLY 6	P=0.174N	P=0.172N	P=0.472	P=0.086N
COCH-ARM / FISHERS	P=0.113N	P=0.187N	P=0.500	P=0.059N
MAX-ISO-POLY-3	P=0.073N	P=0.084N	P=0.346	P=0.030N*

Experiment Number: 10472 - 04  
 Test Type: CHRONIC  
 Route: RESPIRATORY EXPOSURE WHOLE BODY  
 Species/Strain: MICE/B6C3F1

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS  
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**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MICE(B6C3F1)  
 TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Males			
	Control	100 ppm	200 ppm	400 ppm
<b>Kidney Cyst</b>				
<b>LESION RATES</b>				
OVERALL (a)	0/50 (0%)	1/50 (2%)	1/50 (2%)	2/50 (4%)
POLY-3 RATE (b)	0/46.18	1/47.37	1/44.38	2/42.08
POLY-3 PERCENT (g)	0%	2.1%	2.3%	4.8%
TERMINAL (d)	0/40 (0%)	1/40 (3%)	1/35 (3%)	1/28 (4%)
FIRST INCIDENCE	---	729 (T)	729 (T)	656
<b>STATISTICAL TESTS</b>				
POLY 3	P=0.132	P=0.505	P=0.492	P=0.217
POLY 1.5	P=0.142	P=0.503	P=0.495	P=0.226
POLY 6	P=0.119	P=0.506	P=0.489	P=0.203
COCH-ARM / FISHERS	P=0.153	P=0.500	P=0.500	P=0.247
MAX-ISO-POLY-3	P=0.121	P=0.165	P=0.158	P=0.076

Experiment Number: 10472 - 04  
 Test Type: CHRONIC  
 Route: RESPIRATORY EXPOSURE WHOLE BODY  
 Species/Strain: MICE/B6C3F1

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS  
 p-Chloro-a,a,a-trifluorotoluene  
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 Lab: BNW

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MICE(B6C3F1)  
 TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Males			
	Control	100 ppm	200 ppm	400 ppm
<b>Kidney Infarct</b>				
<b>LESION RATES</b>				
OVERALL (a)	6/50 (12%)	4/50 (8%)	6/50 (12%)	4/50 (8%)
POLY-3 RATE (b)	6/46.18	4/47.37	6/44.38	4/41.81
POLY-3 PERCENT (g)	13%	8.4%	13.5%	9.6%
TERMINAL (d)	6/40 (15%)	4/40 (10%)	6/35 (17%)	4/28 (14%)
FIRST INCIDENCE	729 (T)	729 (T)	729 (T)	729 (T)
<b>STATISTICAL TESTS</b>				
POLY 3	P=0.452N	P=0.354N	P=0.593	P=0.433N
POLY 1.5	P=0.418N	P=0.359N	P=0.603	P=0.403N
POLY 6	P=0.502N	P=0.351N	P=0.581	P=0.481N
COCH-ARM / FISHERS	P=0.375N	P=0.370N	P=0.620N	P=0.370N
MAX-ISO-POLY-3	P=0.504N	P=0.243N	P=0.470	P=0.316N

Experiment Number: 10472 - 04  
 Test Type: CHRONIC  
 Route: RESPIRATORY EXPOSURE WHOLE BODY  
 Species/Strain: MICE/B6C3F1

**P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS**  
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Date Report Requested: 03/25/2016  
 Time Report Requested: 09:19:23  
 First Dose M/F: 01/31/11 / 01/31/11  
 Lab: BNW

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MICE(B6C3F1)  
 TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Males			
	Control	100 ppm	200 ppm	400 ppm
<b>Kidney</b>				
<b>Metaplasia Osseous</b>				
<b>LESION RATES</b>				
OVERALL (a)	1/50 (2%)	1/50 (2%)	1/50 (2%)	1/50 (2%)
POLY-3 RATE (b)	1/46.18	1/47.40	1/44.64	1/41.81
POLY-3 PERCENT (g)	2.2%	2.1%	2.2%	2.4%
TERMINAL (d)	1/40 (3%)	0/40 (0%)	0/35 (0%)	1/28 (4%)
FIRST INCIDENCE	729 (T)	721	659	729 (T)
<b>STATISTICAL TESTS</b>				
POLY 3	(n)	(n)	(n)	(n)
POLY 1.5	(n)	(n)	(n)	(n)
POLY 6	(n)	(n)	(n)	(n)
COCH-ARM / FISHERS	(n)	(n)	(n)	(n)
MAX-ISO-POLY-3	(n)	(n)	(n)	(n)

Experiment Number: 10472 - 04  
 Test Type: CHRONIC  
 Route: RESPIRATORY EXPOSURE WHOLE BODY  
 Species/Strain: MICE/B6C3F1

**P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS**

p-Chloro-a,a,a-trifluorotoluene

CAS Number: 98-56-6

Date Report Requested: 03/25/2016

Time Report Requested: 09:19:23

First Dose M/F: 01/31/11 / 01/31/11

Lab: BNW

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MICE(B6C3F1)  
 TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Males			
	Control	100 ppm	200 ppm	400 ppm
<b>Kidney Nephropathy</b>				
<b>LESION RATES</b>				
OVERALL (a)	43/50 (86%)	41/50 (82%)	38/50 (76%)	41/50 (82%)
POLY-3 RATE (b)	43/48.64	41/49.21	38/47.22	41/47.83
POLY-3 PERCENT (g)	88.4%	83.3%	80.5%	85.7%
TERMINAL (d)	36/40 (90%)	35/40 (88%)	29/35 (83%)	24/28 (86%)
FIRST INCIDENCE	488	531	523	548
<b>STATISTICAL TESTS</b>				
POLY 3	P=0.440N	P=0.328N	P=0.205N	P=0.462N
POLY 1.5	P=0.404N	P=0.347N	P=0.184N	P=0.434N
POLY 6	P=0.476N	P=0.323N	P=0.229N	P=0.496N
COCH-ARM / FISHERS	P=0.345N	P=0.393N	P=0.154N	P=0.393N
MAX-ISO-POLY-3	P=0.372N	P=0.230N	P=0.135N	P=0.341N

Experiment Number: 10472 - 04  
 Test Type: CHRONIC  
 Route: RESPIRATORY EXPOSURE WHOLE BODY  
 Species/Strain: MICE/B6C3F1

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS  
 p-Chloro-a,a,a-trifluorotoluene  
 CAS Number: 98-56-6

Date Report Requested: 03/25/2016  
 Time Report Requested: 09:19:23  
 First Dose M/F: 01/31/11 / 01/31/11  
 Lab: BNW

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MICE(B6C3F1)  
 TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Males			
	Control	100 ppm	200 ppm	400 ppm
<b>Kidney Pigmentation</b>				
<b>LESION RATES</b>				
OVERALL (a)	0/50 (0%)	1/50 (2%)	0/50 (0%)	4/50 (8%)
POLY-3 RATE (b)	0/46.18	1/47.62	0/44.38	4/42.07
POLY-3 PERCENT (g)	0%	2.1%	0%	9.5%
TERMINAL (d)	0/40 (0%)	0/40 (0%)	0/35 (0%)	3/28 (11%)
FIRST INCIDENCE	---	660	---	661
<b>STATISTICAL TESTS</b>				
POLY 3	P=0.010**	P=0.506	(e)	P=0.049*
POLY 1.5	P=0.011*	P=0.504	(e)	P=0.054
POLY 6	P=0.009**	P=0.508	(e)	P=0.042*
COCH-ARM / FISHERS	P=0.013*	P=0.500	(e)	P=0.059
MAX-ISO-POLY-3	P=0.007**	P=0.166	(e)	P=0.019*



Experiment Number: 10472 - 04  
 Test Type: CHRONIC  
 Route: RESPIRATORY EXPOSURE WHOLE BODY  
 Species/Strain: MICE/B6C3F1

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS  
 p-Chloro-a,a,a-trifluorotoluene  
 CAS Number: 98-56-6

Date Report Requested: 03/25/2016  
 Time Report Requested: 09:19:23  
 First Dose M/F: 01/31/11 / 01/31/11  
 Lab: BNW

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MICE(B6C3F1)  
 TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Males			
	Control	100 ppm	200 ppm	400 ppm
<b>Larynx: Squamous Epithelium Hyperplasia</b>				
<b>LESION RATES</b>				
OVERALL (a)	3/50 (6%)	4/50 (8%)	6/50 (12%)	11/50 (22%)
POLY-3 RATE (b)	3/46.50	4/47.40	6/46.61	11/45.01
POLY-3 PERCENT (g)	6.5%	8.4%	12.9%	24.4%
TERMINAL (d)	2/40 (5%)	3/40 (8%)	0/35 (0%)	4/28 (14%)
FIRST INCIDENCE	640	721	444	415
<b>STATISTICAL TESTS</b>				
POLY 3	P=0.004**	P=0.510	P=0.243	P=0.016*
POLY 1.5	P=0.005**	P=0.508	P=0.243	P=0.018*
POLY 6	P=0.003**	P=0.510	P=0.244	P=0.013*
COCH-ARM / FISHERS	P=0.006**	P=0.500	P=0.243	P=0.020*
MAX-ISO-POLY-3	P=0.007**	P=0.358	P=0.147	P=0.008**

Experiment Number: 10472 - 04  
 Test Type: CHRONIC  
 Route: RESPIRATORY EXPOSURE WHOLE BODY  
 Species/Strain: MICE/B6C3F1

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS  
 p-Chloro-a,a,a-trifluorotoluene  
 CAS Number: 98-56-6

Date Report Requested: 03/25/2016  
 Time Report Requested: 09:19:23  
 First Dose M/F: 01/31/11 / 01/31/11  
 Lab: BNW

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MICE(B6C3F1)  
 TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Males			
	Control	100 ppm	200 ppm	400 ppm
<b>Larynx: Squamous Epithelium Inflammation</b>				
<b>LESION RATES</b>				
OVERALL (a)	0/50 (0%)	1/50 (2%)	3/50 (6%)	2/50 (4%)
POLY-3 RATE (b)	0/46.18	1/47.58	3/45.59	2/42.66
POLY-3 PERCENT (g)	0%	2.1%	6.6%	4.7%
TERMINAL (d)	0/40 (0%)	0/40 (0%)	0/35 (0%)	0/28 (0%)
FIRST INCIDENCE	---	672	523	592
<b>STATISTICAL TESTS</b>				
POLY 3	P=0.133	P=0.506	P=0.116	P=0.220
POLY 1.5	P=0.146	P=0.504	P=0.117	P=0.228
POLY 6	P=0.115	P=0.508	P=0.116	P=0.208
COCH-ARM / FISHERS	P=0.163	P=0.500	P=0.121	P=0.247
MAX-ISO-POLY-3	P=0.123	P=0.166	P=0.038*	P=0.076

Experiment Number: 10472 - 04  
 Test Type: CHRONIC  
 Route: RESPIRATORY EXPOSURE WHOLE BODY  
 Species/Strain: MICE/B6C3F1

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS  
 p-Chloro-a,a,a-trifluorotoluene  
 CAS Number: 98-56-6

Date Report Requested: 03/25/2016  
 Time Report Requested: 09:19:23  
 First Dose M/F: 01/31/11 / 01/31/11  
 Lab: BNW

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MICE(B6C3F1)  
 TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Males			
	Control	100 ppm	200 ppm	400 ppm
<b>Larynx: Squamous Epithelium Ulcer</b>				
<b>LESION RATES</b>				
OVERALL (a)	0/50 (0%)	0/50 (0%)	1/50 (2%)	2/50 (4%)
POLY-3 RATE (b)	0/46.18	0/47.37	1/45.01	2/42.66
POLY-3 PERCENT (g)	0%	0%	2.2%	4.7%
TERMINAL (d)	0/40 (0%)	0/40 (0%)	0/35 (0%)	0/28 (0%)
FIRST INCIDENCE	---	---	523	592
<b>STATISTICAL TESTS</b>				
POLY 3	P=0.060	(e)	P=0.495	P=0.220
POLY 1.5	P=0.065	(e)	P=0.497	P=0.228
POLY 6	P=0.055	(e)	P=0.493	P=0.208
COCH-ARM / FISHERS	P=0.070	(e)	P=0.500	P=0.247
MAX-ISO-POLY-3	P=0.077	(e)	P=0.158	P=0.076

Experiment Number: 10472 - 04  
 Test Type: CHRONIC  
 Route: RESPIRATORY EXPOSURE WHOLE BODY  
 Species/Strain: MICE/B6C3F1

**P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS**

p-Chloro-a,a,a-trifluorotoluene

CAS Number: 98-56-6

Date Report Requested: 03/25/2016

Time Report Requested: 09:19:23

First Dose M/F: 01/31/11 / 01/31/11

Lab: BNW

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MICE(B6C3F1)  
 TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Males			
	Control	100 ppm	200 ppm	400 ppm
<b>Liver</b>				
<b>Basophilic Focus</b>				
<b>LESION RATES</b>				
OVERALL (a)	4/50 (8%)	10/50 (20%)	10/50 (20%)	1/50 (2%)
POLY-3 RATE (b)	4/46.65	10/47.37	10/44.99	1/41.81
POLY-3 PERCENT (g)	8.6%	21.1%	22.2%	2.4%
TERMINAL (d)	3/40 (8%)	10/40 (25%)	8/35 (23%)	1/28 (4%)
FIRST INCIDENCE	591	729 (T)	551	729 (T)
<b>STATISTICAL TESTS</b>				
POLY 3	P=0.165N	P=0.077	P=0.062	P=0.214N
POLY 1.5	P=0.132N	P=0.076	P=0.066	P=0.197N
POLY 6	P=0.228N	P=0.075	P=0.057	P=0.241N
COCH-ARM / FISHERS	P=0.103N	P=0.074	P=0.074	P=0.181N
MAX-ISO-POLY-3	P=0.040N*	P=0.043*	P=0.036*	P=0.117N

Experiment Number: 10472 - 04  
 Test Type: CHRONIC  
 Route: RESPIRATORY EXPOSURE WHOLE BODY  
 Species/Strain: MICE/B6C3F1

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS  
 p-Chloro-a,a,a-trifluorotoluene  
 CAS Number: 98-56-6

Date Report Requested: 03/25/2016  
 Time Report Requested: 09:19:23  
 First Dose M/F: 01/31/11 / 01/31/11  
 Lab: BNW

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MICE(B6C3F1)  
 TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Males			
	Control	100 ppm	200 ppm	400 ppm
<b>Liver</b>				
<b>Clear Cell Focus</b>				
<b>LESION RATES</b>				
OVERALL (a)	15/50 (30%)	16/50 (32%)	23/50 (46%)	15/50 (30%)
POLY-3 RATE (b)	15/46.33	16/47.37	23/44.38	15/43.28
POLY-3 PERCENT (g)	32.4%	33.8%	51.8%	34.7%
TERMINAL (d)	14/40 (35%)	16/40 (40%)	23/35 (66%)	11/28 (39%)
FIRST INCIDENCE	690	729 (T)	729 (T)	477
<b>STATISTICAL TESTS</b>				
POLY 3	P=0.347	P=0.530	P=0.044*	P=0.498
POLY 1.5	P=0.412	P=0.521	P=0.054	P=0.541
POLY 6	P=0.254	P=0.532	P=0.034*	P=0.425
COCH-ARM / FISHERS	P=0.490	P=0.500	P=0.074	P=0.586N
MAX-ISO-POLY-3	P=0.237	P=0.441	P=0.030*	P=0.410

Experiment Number: 10472 - 04  
 Test Type: CHRONIC  
 Route: RESPIRATORY EXPOSURE WHOLE BODY  
 Species/Strain: MICE/B6C3F1

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS  
 p-Chloro-a,a,a-trifluorotoluene  
 CAS Number: 98-56-6

Date Report Requested: 03/25/2016  
 Time Report Requested: 09:19:23  
 First Dose M/F: 01/31/11 / 01/31/11  
 Lab: BNW

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MICE(B6C3F1)  
 TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Males			
	Control	100 ppm	200 ppm	400 ppm
<b>Liver</b>				
<b>Eosinophilic Focus</b>				
<b>LESION RATES</b>				
OVERALL (a)	11/50 (22%)	14/50 (28%)	18/50 (36%)	21/50 (42%)
POLY-3 RATE (b)	11/46.18	14/47.74	18/44.96	21/44.21
POLY-3 PERCENT (g)	23.8%	29.3%	40%	47.5%
TERMINAL (d)	11/40 (28%)	12/40 (30%)	15/35 (43%)	14/28 (50%)
FIRST INCIDENCE	729 (T)	672	647	579
<b>STATISTICAL TESTS</b>				
POLY 3	P=0.007**	P=0.356	P=0.073	P=0.014*
POLY 1.5	P=0.010**	P=0.344	P=0.079	P=0.018*
POLY 6	P=0.004**	P=0.367	P=0.068	P=0.009**
COCH-ARM / FISHERS	P=0.016*	P=0.322	P=0.093	P=0.026*
MAX-ISO-POLY-3	P=0.010**	P=0.277	P=0.048*	P=0.009**

Experiment Number: 10472 - 04  
 Test Type: CHRONIC  
 Route: RESPIRATORY EXPOSURE WHOLE BODY  
 Species/Strain: MICE/B6C3F1

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS  
 p-Chloro-a,a,a-trifluorotoluene  
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Date Report Requested: 03/25/2016  
 Time Report Requested: 09:19:23  
 First Dose M/F: 01/31/11 / 01/31/11  
 Lab: BNW

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MICE(B6C3F1)  
 TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Males			
	Control	100 ppm	200 ppm	400 ppm
<b>Liver Inflammation</b>				
<b>LESION RATES</b>				
OVERALL (a)	3/50 (6%)	1/50 (2%)	0/50 (0%)	0/50 (0%)
POLY-3 RATE (b)	3/46.61	1/47.37	0/44.38	0/41.81
POLY-3 PERCENT (g)	6.4%	2.1%	0%	0%
TERMINAL (d)	1/40 (3%)	1/40 (3%)	0/35 (0%)	0/28 (0%)
FIRST INCIDENCE	612	729 (T)	---	---
<b>STATISTICAL TESTS</b>				
POLY 3	P=0.046N*	P=0.300N	P=0.128N	P=0.139N
POLY 1.5	P=0.045N*	P=0.301N	P=0.124N	P=0.130N
POLY 6	P=0.047N*	P=0.300N	P=0.132N	P=0.156N
COCH-ARM / FISHERS	P=0.044N*	P=0.309N	P=0.121N	P=0.121N
MAX-ISO-POLY-3	P=0.040N*	P=0.152N	P=0.046N*	P=0.055N

Experiment Number: 10472 - 04  
 Test Type: CHRONIC  
 Route: RESPIRATORY EXPOSURE WHOLE BODY  
 Species/Strain: MICE/B6C3F1

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS  
 p-Chloro-a,a,a-trifluorotoluene  
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Date Report Requested: 03/25/2016  
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 First Dose M/F: 01/31/11 / 01/31/11  
 Lab: BNW

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MICE(B6C3F1)  
 TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Males			
	Control	100 ppm	200 ppm	400 ppm
<b>Liver</b>				
<b>Intrahepatocellular Erythrocytes</b>				
<b>LESION RATES</b>				
OVERALL (a)	0/50 (0%)	1/50 (2%)	6/50 (12%)	15/50 (30%)
POLY-3 RATE (b)	0/46.18	1/47.37	6/44.38	15/43.26
POLY-3 PERCENT (g)	0%	2.1%	13.5%	34.7%
TERMINAL (d)	0/40 (0%)	1/40 (3%)	6/35 (17%)	11/28 (39%)
FIRST INCIDENCE	---	729 (T)	729 (T)	548
<b>STATISTICAL TESTS</b>				
POLY 3	P<0.001**	P=0.505	P=0.013*	P<0.001**
POLY 1.5	P<0.001**	P=0.503	P=0.014*	P<0.001**
POLY 6	P<0.001**	P=0.506	P=0.012*	P<0.001**
COCH-ARM / FISHERS	P<0.001**	P=0.500	P=0.013*	P<0.001**
MAX-ISO-POLY-3	P<0.001**	P=0.165	P=0.004**	P<0.001**



Experiment Number: 10472 - 04  
 Test Type: CHRONIC  
 Route: RESPIRATORY EXPOSURE WHOLE BODY  
 Species/Strain: MICE/B6C3F1

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS  
 p-Chloro-a,a,a-trifluorotoluene  
 CAS Number: 98-56-6

Date Report Requested: 03/25/2016  
 Time Report Requested: 09:19:23  
 First Dose M/F: 01/31/11 / 01/31/11  
 Lab: BNW

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MICE(B6C3F1)  
 TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Males			
	Control	100 ppm	200 ppm	400 ppm
<b>Liver</b>				
<b>Mixed Cell Focus</b>				
<b>LESION RATES</b>				
OVERALL (a)	15/50 (30%)	15/50 (30%)	13/50 (26%)	11/50 (22%)
POLY-3 RATE (b)	15/46.28	15/47.37	13/44.42	11/43.04
POLY-3 PERCENT (g)	32.4%	31.7%	29.3%	25.6%
TERMINAL (d)	14/40 (35%)	15/40 (38%)	12/35 (34%)	7/28 (25%)
FIRST INCIDENCE	704	729 (T)	719	579
<b>STATISTICAL TESTS</b>				
POLY 3	P=0.255N	P=0.557N	P=0.461N	P=0.315N
POLY 1.5	P=0.220N	P=0.566N	P=0.442N	P=0.282N
POLY 6	P=0.312N	P=0.555N	P=0.485N	P=0.371N
COCH-ARM / FISHERS	P=0.180N	P=0.586N	P=0.412N	P=0.247N
MAX-ISO-POLY-3	P=0.401N	P=0.468N	P=0.374N	P=0.245N

Experiment Number: 10472 - 04  
 Test Type: CHRONIC  
 Route: RESPIRATORY EXPOSURE WHOLE BODY  
 Species/Strain: MICE/B6C3F1

**P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS**  
 p-Chloro-a,a,a-trifluorotoluene  
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 Lab: BNW

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MICE(B6C3F1)  
 TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Males			
	Control	100 ppm	200 ppm	400 ppm
<b>Liver Regeneration</b>				
<b>LESION RATES</b>				
OVERALL (a)	2/50 (4%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
POLY-3 RATE (b)	2/46.50	0/47.37	0/44.38	0/41.81
POLY-3 PERCENT (g)	4.3%	0%	0%	0%
TERMINAL (d)	1/40 (3%)	0/40 (0%)	0/35 (0%)	0/28 (0%)
FIRST INCIDENCE	640	---	---	---
<b>STATISTICAL TESTS</b>				
POLY 3	P=0.113N	P=0.233N	P=0.248N	P=0.262N
POLY 1.5	P=0.114N	P=0.234N	P=0.244N	P=0.250N
POLY 6	P=0.110N	P=0.233N	P=0.253N	P=0.281N
COCH-ARM / FISHERS	P=0.115N	P=0.247N	P=0.247N	P=0.247N
MAX-ISO-POLY-3	P=0.053N	P=0.076N	P=0.086N	P=0.099N

Experiment Number: 10472 - 04  
 Test Type: CHRONIC  
 Route: RESPIRATORY EXPOSURE WHOLE BODY  
 Species/Strain: MICE/B6C3F1

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS  
 p-Chloro-a,a,a-trifluorotoluene  
 CAS Number: 98-56-6

Date Report Requested: 03/25/2016  
 Time Report Requested: 09:19:23  
 First Dose M/F: 01/31/11 / 01/31/11  
 Lab: BNW

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MICE(B6C3F1)  
 TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Males			
	Control	100 ppm	200 ppm	400 ppm
<b>Liver: Hepatocyte Multinucleated</b>				
<b>LESION RATES</b>				
OVERALL (a)	2/50 (4%)	8/50 (16%)	19/50 (38%)	49/50 (98%)
POLY-3 RATE (b)	2/46.18	8/47.84	19/46.12	49/50.00
POLY-3 PERCENT (g)	4.3%	16.7%	41.2%	98%
TERMINAL (d)	2/40 (5%)	6/40 (15%)	15/35 (43%)	27/28 (96%)
FIRST INCIDENCE	729 (T)	660	340	415
<b>STATISTICAL TESTS</b>				
POLY 3	P<0.001**	P=0.051	P<0.001**	P<0.001**
POLY 1.5	P<0.001**	P=0.049*	P<0.001**	P<0.001**
POLY 6	P<0.001**	P=0.053	P<0.001**	P<0.001**
COCH-ARM / FISHERS	P<0.001**	P=0.046*	P<0.001**	P<0.001**
MAX-ISO-POLY-3	P<0.001**	P=0.026*	P<0.001**	P<0.001**

Experiment Number: 10472 - 04  
 Test Type: CHRONIC  
 Route: RESPIRATORY EXPOSURE WHOLE BODY  
 Species/Strain: MICE/B6C3F1

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS  
 p-Chloro-a,a,a-trifluorotoluene  
 CAS Number: 98-56-6

Date Report Requested: 03/25/2016  
 Time Report Requested: 09:19:23  
 First Dose M/F: 01/31/11 / 01/31/11  
 Lab: BNW

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MICE(B6C3F1)  
 TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Males			
	Control	100 ppm	200 ppm	400 ppm
<b>Liver: Hepatocyte Necrosis</b>				
<b>LESION RATES</b>				
OVERALL (a)	3/50 (6%)	4/50 (8%)	3/50 (6%)	15/50 (30%)
POLY-3 RATE (b)	3/47.00	4/48.36	3/45.92	15/45.78
POLY-3 PERCENT (g)	6.4%	8.3%	6.5%	32.8%
TERMINAL (d)	0/40 (0%)	1/40 (3%)	0/35 (0%)	4/28 (14%)
FIRST INCIDENCE	612	605	340	548
<b>STATISTICAL TESTS</b>				
POLY 3	P<0.001**	P=0.515	P=0.651	P<0.001**
POLY 1.5	P<0.001**	P=0.510	P=0.657	P<0.001**
POLY 6	P<0.001**	P=0.519	P=0.643	P<0.001**
COCH-ARM / FISHERS	P<0.001**	P=0.500	P=0.661N	P=0.002**
MAX-ISO-POLY-3	P<0.001**	P=0.364	P=0.488	P<0.001**

Experiment Number: 10472 - 04  
 Test Type: CHRONIC  
 Route: RESPIRATORY EXPOSURE WHOLE BODY  
 Species/Strain: MICE/B6C3F1

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS  
 p-Chloro-a,a,a-trifluorotoluene  
 CAS Number: 98-56-6

Date Report Requested: 03/25/2016  
 Time Report Requested: 09:19:23  
 First Dose M/F: 01/31/11 / 01/31/11  
 Lab: BNW

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MICE(B6C3F1)  
 TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Males			
	Control	100 ppm	200 ppm	400 ppm
<b>Liver: Hepatocyte, Centrilobular Hypertrophy</b>				
<b>LESION RATES</b>				
OVERALL (a)	0/50 (0%)	8/50 (16%)	19/50 (38%)	49/50 (98%)
POLY-3 RATE (b)	0/46.18	8/47.58	19/46.15	49/49.50
POLY-3 PERCENT (g)	0%	16.8%	41.2%	99%
TERMINAL (d)	0/40 (0%)	7/40 (18%)	14/35 (40%)	28/28 (100%)
FIRST INCIDENCE	---	672	340	415
<b>STATISTICAL TESTS</b>				
POLY 3	P<0.001**	P=0.004**	P<0.001**	P<0.001**
POLY 1.5	P<0.001**	P=0.004**	P<0.001**	P<0.001**
POLY 6	P<0.001**	P=0.004**	P<0.001**	P<0.001**
COCH-ARM / FISHERS	P<0.001**	P=0.003**	P<0.001**	P<0.001**
MAX-ISO-POLY-3	P<0.001**	P<0.001**	P<0.001**	P<0.001**

Experiment Number: 10472 - 04  
 Test Type: CHRONIC  
 Route: RESPIRATORY EXPOSURE WHOLE BODY  
 Species/Strain: MICE/B6C3F1

**P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS**

p-Chloro-a,a,a-trifluorotoluene

CAS Number: 98-56-6

Date Report Requested: 03/25/2016

Time Report Requested: 09:19:23

First Dose M/F: 01/31/11 / 01/31/11

Lab: BNW

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MICE(B6C3F1)  
 TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Males			
	Control	100 ppm	200 ppm	400 ppm
<b>Lung Hemorrhage</b>				
<b>LESION RATES</b>				
OVERALL (a)	2/50 (4%)	0/50 (0%)	1/50 (2%)	0/50 (0%)
POLY-3 RATE (b)	2/46.18	0/47.37	1/44.38	0/41.81
POLY-3 PERCENT (g)	4.3%	0%	2.3%	0%
TERMINAL (d)	2/40 (5%)	0/40 (0%)	1/35 (3%)	0/28 (0%)
FIRST INCIDENCE	729 (T)	---	729 (T)	---
<b>STATISTICAL TESTS</b>				
POLY 3	P=0.202N	P=0.232N	P=0.514N	P=0.260N
POLY 1.5	P=0.196N	P=0.234N	P=0.509N	P=0.249N
POLY 6	P=0.209N	P=0.231N	P=0.520N	P=0.277N
COCH-ARM / FISHERS	P=0.188N	P=0.247N	P=0.500N	P=0.247N
MAX-ISO-POLY-3	P=0.106N	P=0.076N	P=0.296N	P=0.098N

Experiment Number: 10472 - 04  
 Test Type: CHRONIC  
 Route: RESPIRATORY EXPOSURE WHOLE BODY  
 Species/Strain: MICE/B6C3F1

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS  
 p-Chloro-a,a,a-trifluorotoluene  
 CAS Number: 98-56-6

Date Report Requested: 03/25/2016  
 Time Report Requested: 09:19:23  
 First Dose M/F: 01/31/11 / 01/31/11  
 Lab: BNW

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MICE(B6C3F1)  
 TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Males			
	Control	100 ppm	200 ppm	400 ppm
<b>Lung Inflammation</b>				
<b>LESION RATES</b>				
OVERALL (a)	0/50 (0%)	2/50 (4%)	0/50 (0%)	2/50 (4%)
POLY-3 RATE (b)	0/46.18	2/47.37	0/44.38	2/42.63
POLY-3 PERCENT (g)	0%	4.2%	0%	4.7%
TERMINAL (d)	0/40 (0%)	2/40 (5%)	0/35 (0%)	1/28 (4%)
FIRST INCIDENCE	---	729 (T)	---	415
<b>STATISTICAL TESTS</b>				
POLY 3	P=0.226	P=0.243	(e)	P=0.220
POLY 1.5	P=0.236	P=0.241	(e)	P=0.228
POLY 6	P=0.211	P=0.244	(e)	P=0.206
COCH-ARM / FISHERS	P=0.247	P=0.247	(e)	P=0.247
MAX-ISO-POLY-3	P=0.120	P=0.081	(e)	P=0.076

Experiment Number: 10472 - 04  
 Test Type: CHRONIC  
 Route: RESPIRATORY EXPOSURE WHOLE BODY  
 Species/Strain: MICE/B6C3F1

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS  
 p-Chloro-a,a,a-trifluorotoluene  
 CAS Number: 98-56-6

Date Report Requested: 03/25/2016  
 Time Report Requested: 09:19:23  
 First Dose M/F: 01/31/11 / 01/31/11  
 Lab: BNW

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MICE(B6C3F1)  
 TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Males			
	Control	100 ppm	200 ppm	400 ppm
<b>Lung Thrombosis</b>				
<b>LESION RATES</b>				
OVERALL (a)	0/50 (0%)	2/50 (4%)	1/50 (2%)	1/50 (2%)
POLY-3 RATE (b)	0/46.18	2/47.37	1/44.38	1/42.30
POLY-3 PERCENT (g)	0%	4.2%	2.3%	2.4%
TERMINAL (d)	0/40 (0%)	2/40 (5%)	1/35 (3%)	0/28 (0%)
FIRST INCIDENCE	---	729 (T)	729 (T)	585
<b>STATISTICAL TESTS</b>				
POLY 3	P=0.459	P=0.243	P=0.492	P=0.482
POLY 1.5	P=0.478	P=0.241	P=0.495	P=0.491
POLY 6	P=0.429	P=0.244	P=0.489	P=0.470
COCH-ARM / FISHERS	P=0.500	P=0.247	P=0.500	P=0.500
MAX-ISO-POLY-3	P=0.297	P=0.081	P=0.158	P=0.158



Experiment Number: 10472 - 04  
 Test Type: CHRONIC  
 Route: RESPIRATORY EXPOSURE WHOLE BODY  
 Species/Strain: MICE/B6C3F1

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS  
 p-Chloro-a,a,a-trifluorotoluene  
 CAS Number: 98-56-6

Date Report Requested: 03/25/2016  
 Time Report Requested: 09:19:23  
 First Dose M/F: 01/31/11 / 01/31/11  
 Lab: BNW

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MICE(B6C3F1)  
 TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Males			
	Control	100 ppm	200 ppm	400 ppm
<b>Lung: Alveolar Epithelium Hyperplasia</b>				
<b>LESION RATES</b>				
OVERALL (a)	2/50 (4%)	1/50 (2%)	1/50 (2%)	3/50 (6%)
POLY-3 RATE (b)	2/46.18	1/47.37	1/44.38	3/42.63
POLY-3 PERCENT (g)	4.3%	2.1%	2.3%	7%
TERMINAL (d)	2/40 (5%)	1/40 (3%)	1/35 (3%)	2/28 (7%)
FIRST INCIDENCE	729 (T)	729 (T)	729 (T)	415
<b>STATISTICAL TESTS</b>				
POLY 3	P=0.296	P=0.491N	P=0.514N	P=0.464
POLY 1.5	P=0.309	P=0.494N	P=0.509N	P=0.482
POLY 6	P=0.277	P=0.490N	P=0.520N	P=0.433
COCH-ARM / FISHERS	P=0.324	P=0.500N	P=0.500N	P=0.500
MAX-ISO-POLY-3	P=0.273	P=0.276N	P=0.296N	P=0.299

Experiment Number: 10472 - 04  
 Test Type: CHRONIC  
 Route: RESPIRATORY EXPOSURE WHOLE BODY  
 Species/Strain: MICE/B6C3F1

**P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS**  
 p-Chloro-a,a,a-trifluorotoluene  
 CAS Number: 98-56-6

Date Report Requested: 03/25/2016  
 Time Report Requested: 09:19:23  
 First Dose M/F: 01/31/11 / 01/31/11  
 Lab: BNW

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MICE(B6C3F1)  
 TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Males			
	Control	100 ppm	200 ppm	400 ppm
<b>Lung: Alveolar/Bronchiolar Epithelium Hyperplasia</b>				
<b>LESION RATES</b>				
OVERALL (a)	0/50 (0%)	49/50 (98%)	50/50 (100%)	48/50 (96%)
POLY-3 RATE (b)	0/46.18	49/49.74	50/50.00	48/49.01
POLY-3 PERCENT (g)	0%	98.5%	100%	97.9%
TERMINAL (d)	0/40 (0%)	40/40 (100%)	35/35 (100%)	28/28 (100%)
FIRST INCIDENCE	---	531	340	415
<b>STATISTICAL TESTS</b>				
POLY 3	P<0.001**	P<0.001**	P<0.001**	P<0.001**
POLY 1.5	P<0.001**	P<0.001**	P<0.001**	P<0.001**
POLY 6	P<0.001**	P<0.001**	P<0.001**	P<0.001**
COCH-ARM / FISHERS	P<0.001**	P<0.001**	P<0.001**	P<0.001**
MAX-ISO-POLY-3	P<0.001**	P<0.001**	P<0.001**	P<0.001**

Experiment Number: 10472 - 04  
 Test Type: CHRONIC  
 Route: RESPIRATORY EXPOSURE WHOLE BODY  
 Species/Strain: MICE/B6C3F1

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS  
 p-Chloro-a,a,a-trifluorotoluene  
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Date Report Requested: 03/25/2016  
 Time Report Requested: 09:19:23  
 First Dose M/F: 01/31/11 / 01/31/11  
 Lab: BNW

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MICE(B6C3F1)  
 TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Males			
	Control	100 ppm	200 ppm	400 ppm
<b>Lung: Alveolus Infiltration Cellular Histiocyte</b>				
<b>LESION RATES</b>				
OVERALL (a)	2/50 (4%)	2/50 (4%)	3/50 (6%)	3/50 (6%)
POLY-3 RATE (b)	2/46.18	2/47.49	3/44.39	3/42.13
POLY-3 PERCENT (g)	4.3%	4.2%	6.8%	7.1%
TERMINAL (d)	2/40 (5%)	1/40 (3%)	2/35 (6%)	2/28 (7%)
FIRST INCIDENCE	729 (T)	698	726	643
<b>STATISTICAL TESTS</b>				
POLY 3	P=0.319	P=0.684N	P=0.482	P=0.458
POLY 1.5	P=0.342	P=0.687N	P=0.489	P=0.478
POLY 6	P=0.286	P=0.681N	P=0.474	P=0.428
COCH-ARM / FISHERS	P=0.371	P=0.691N	P=0.500	P=0.500
MAX-ISO-POLY-3	P=0.468	P=0.488N	P=0.311	P=0.296

Experiment Number: 10472 - 04  
 Test Type: CHRONIC  
 Route: RESPIRATORY EXPOSURE WHOLE BODY  
 Species/Strain: MICE/B6C3F1

**P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS**

p-Chloro-a,a,a-trifluorotoluene

CAS Number: 98-56-6

Date Report Requested: 03/25/2016

Time Report Requested: 09:19:23

First Dose M/F: 01/31/11 / 01/31/11

Lab: BNW

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MICE(B6C3F1)  
 TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Males			
	Control	100 ppm	200 ppm	400 ppm
<b>Lung: Bronchiole, Epithelium Hyperplasia</b>				
<b>LESION RATES</b>				
OVERALL (a)	2/50 (4%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
POLY-3 RATE (b)	2/46.64	0/47.37	0/44.38	0/41.81
POLY-3 PERCENT (g)	4.3%	0%	0%	0%
TERMINAL (d)	1/40 (3%)	0/40 (0%)	0/35 (0%)	0/28 (0%)
FIRST INCIDENCE	595	---	---	---
<b>STATISTICAL TESTS</b>				
POLY 3	P=0.113N	P=0.234N	P=0.248N	P=0.262N
POLY 1.5	P=0.114N	P=0.235N	P=0.244N	P=0.251N
POLY 6	P=0.110N	P=0.234N	P=0.254N	P=0.281N
COCH-ARM / FISHERS	P=0.115N	P=0.247N	P=0.247N	P=0.247N
MAX-ISO-POLY-3	P=0.054N	P=0.076N	P=0.087N	P=0.100N

Experiment Number: 10472 - 04  
 Test Type: CHRONIC  
 Route: RESPIRATORY EXPOSURE WHOLE BODY  
 Species/Strain: MICE/B6C3F1

**P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS**  
 p-Chloro-a,a,a-trifluorotoluene  
 CAS Number: 98-56-6

Date Report Requested: 03/25/2016  
 Time Report Requested: 09:19:23  
 First Dose M/F: 01/31/11 / 01/31/11  
 Lab: BNW

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MICE(B6C3F1)  
 TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Males			
	Control	100 ppm	200 ppm	400 ppm
<b>Lung: Peribronchiolar Fibrosis</b>				
<b>LESION RATES</b>				
OVERALL (a)	0/50 (0%)	45/50 (90%)	47/50 (94%)	44/50 (88%)
POLY-3 RATE (b)	0/46.18	45/49.49	47/48.88	44/47.83
POLY-3 PERCENT (g)	0%	90.9%	96.2%	92%
TERMINAL (d)	0/40 (0%)	38/40 (95%)	35/35 (100%)	27/28 (96%)
FIRST INCIDENCE	---	531	340	415
<b>STATISTICAL TESTS</b>				
POLY 3	P<0.001**	P<0.001**	P<0.001**	P<0.001**
POLY 1.5	P<0.001**	P<0.001**	P<0.001**	P<0.001**
POLY 6	P<0.001**	P<0.001**	P<0.001**	P<0.001**
COCH-ARM / FISHERS	P<0.001**	P<0.001**	P<0.001**	P<0.001**
MAX-ISO-POLY-3	P<0.001**	P<0.001**	P<0.001**	P<0.001**

Experiment Number: 10472 - 04  
 Test Type: CHRONIC  
 Route: RESPIRATORY EXPOSURE WHOLE BODY  
 Species/Strain: MICE/B6C3F1

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS  
 p-Chloro-a,a,a-trifluorotoluene  
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Date Report Requested: 03/25/2016  
 Time Report Requested: 09:19:23  
 First Dose M/F: 01/31/11 / 01/31/11  
 Lab: BNW

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MICE(B6C3F1)  
 TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Males			
	Control	100 ppm	200 ppm	400 ppm
<b>Lymph Node, Mandibular Hyperplasia Lymphoid</b>				
<b>LESION RATES</b>				
OVERALL (a)	2/36 (6%)	1/41 (2%)	0/43 (0%)	0/45 (0%)
POLY-3 RATE (b)	2/34.70	1/38.98	0/37.86	0/36.81
POLY-3 PERCENT (g)	5.8%	2.6%	0%	0%
TERMINAL (d)	2/31 (7%)	1/32 (3%)	0/30 (0%)	0/23 (0%)
FIRST INCIDENCE	729 (T)	729 (T)	---	---
<b>STATISTICAL TESTS</b>				
POLY 3	P=0.084N	P=0.459N	P=0.217N	P=0.223N
POLY 1.5	P=0.082N	P=0.457N	P=0.210N	P=0.207N
POLY 6	P=0.086N	P=0.464N	P=0.225N	P=0.247N
COCH-ARM / FISHERS	P=0.079N	P=0.451N	P=0.204N	P=0.194N
MAX-ISO-POLY-3	P=0.072N	P=0.252N	P=0.066N	P=0.074N

Experiment Number: 10472 - 04  
 Test Type: CHRONIC  
 Route: RESPIRATORY EXPOSURE WHOLE BODY  
 Species/Strain: MICE/B6C3F1

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS  
 p-Chloro-a,a,a-trifluorotoluene  
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 First Dose M/F: 01/31/11 / 01/31/11  
 Lab: BNW

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MICE(B6C3F1)  
 TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Males			
	Control	100 ppm	200 ppm	400 ppm
<b>Lymph Node, Mesenteric Angiectasis</b>				
<b>LESION RATES</b>				
OVERALL (a)	1/49 (2%)	0/50 (0%)	0/49 (0%)	1/49 (2%)
POLY-3 RATE (b)	1/45.28	0/47.37	0/43.42	1/41.28
POLY-3 PERCENT (g)	2.2%	0%	0%	2.4%
TERMINAL (d)	1/40 (3%)	0/40 (0%)	0/35 (0%)	0/27 (0%)
FIRST INCIDENCE	729 (T)	---	---	592
<b>STATISTICAL TESTS</b>				
POLY 3	(n)	(n)	(n)	(n)
POLY 1.5	(n)	(n)	(n)	(n)
POLY 6	(n)	(n)	(n)	(n)
COCH-ARM / FISHERS	(n)	(n)	(n)	(n)
MAX-ISO-POLY-3	(n)	(n)	(n)	(n)

Experiment Number: 10472 - 04  
 Test Type: CHRONIC  
 Route: RESPIRATORY EXPOSURE WHOLE BODY  
 Species/Strain: MICE/B6C3F1

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS  
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**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MICE(B6C3F1)  
 TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Males			
	Control	100 ppm	200 ppm	400 ppm
<b>Lymph Node, Mesenteric Hematopoietic Cell Proliferation</b>				
<b>LESION RATES</b>				
OVERALL (a)	0/49 (0%)	2/50 (4%)	1/49 (2%)	0/49 (0%)
POLY-3 RATE (b)	0/45.28	2/47.37	1/43.42	0/40.81
POLY-3 PERCENT (g)	0%	4.2%	2.3%	0%
TERMINAL (d)	0/40 (0%)	2/40 (5%)	1/35 (3%)	0/27 (0%)
FIRST INCIDENCE	---	729 (T)	729 (T)	---
<b>STATISTICAL TESTS</b>				
POLY 3	P=0.498N	P=0.247	P=0.492	(e)
POLY 1.5	P=0.481N	P=0.246	P=0.495	(e)
POLY 6	P=0.524N	P=0.248	P=0.488	(e)
COCH-ARM / FISHERS	P=0.463N	P=0.253	P=0.500	(e)
MAX-ISO-POLY-3	P=0.358	P=0.085	P=0.158	(e)



Experiment Number: 10472 - 04  
 Test Type: CHRONIC  
 Route: RESPIRATORY EXPOSURE WHOLE BODY  
 Species/Strain: MICE/B6C3F1

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS  
 p-Chloro-a,a,a-trifluorotoluene  
 CAS Number: 98-56-6

Date Report Requested: 03/25/2016  
 Time Report Requested: 09:19:23  
 First Dose M/F: 01/31/11 / 01/31/11  
 Lab: BNW

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MICE(B6C3F1)  
 TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Males			
	Control	100 ppm	200 ppm	400 ppm
<b>Lymph Node, Mesenteric Hyperplasia Lymphoid</b>				
<b>LESION RATES</b>				
OVERALL (a)	3/49 (6%)	2/50 (4%)	0/49 (0%)	1/49 (2%)
POLY-3 RATE (b)	3/45.28	2/47.37	0/43.42	1/40.81
POLY-3 PERCENT (g)	6.6%	4.2%	0%	2.5%
TERMINAL (d)	3/40 (8%)	2/40 (5%)	0/35 (0%)	1/27 (4%)
FIRST INCIDENCE	729 (T)	729 (T)	---	729 (T)
<b>STATISTICAL TESTS</b>				
POLY 3	P=0.178N	P=0.480N	P=0.126N	P=0.343N
POLY 1.5	P=0.172N	P=0.483N	P=0.123N	P=0.325N
POLY 6	P=0.185N	P=0.478N	P=0.130N	P=0.373N
COCH-ARM / FISHERS	P=0.164N	P=0.490N	P=0.121N	P=0.309N
MAX-ISO-POLY-3	P=0.152N	P=0.309N	P=0.044N*	P=0.192N

Experiment Number: 10472 - 04  
 Test Type: CHRONIC  
 Route: RESPIRATORY EXPOSURE WHOLE BODY  
 Species/Strain: MICE/B6C3F1

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS  
 p-Chloro-a,a,a-trifluorotoluene  
 CAS Number: 98-56-6

Date Report Requested: 03/25/2016  
 Time Report Requested: 09:19:23  
 First Dose M/F: 01/31/11 / 01/31/11  
 Lab: BNW

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MICE(B6C3F1)  
 TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Males			
	Control	100 ppm	200 ppm	400 ppm
<b>Lymph Node, Mesenteric Infiltration Cellular Histiocyte</b>				
<b>LESION RATES</b>				
OVERALL (a)	0/49 (0%)	0/50 (0%)	2/49 (4%)	0/49 (0%)
POLY-3 RATE (b)	0/45.28	0/47.37	2/43.42	0/40.81
POLY-3 PERCENT (g)	0%	0%	4.6%	0%
TERMINAL (d)	0/40 (0%)	0/40 (0%)	2/35 (6%)	0/27 (0%)
FIRST INCIDENCE	---	---	729 (T)	---
<b>STATISTICAL TESTS</b>				
POLY 3	P=0.533	(e)	P=0.228	(e)
POLY 1.5	P=0.561	(e)	P=0.231	(e)
POLY 6	P=0.488	(e)	P=0.224	(e)
COCH-ARM / FISHERS	P=0.594	(e)	P=0.247	(e)
MAX-ISO-POLY-3	P=0.262	(e)	P=0.076	(e)

Experiment Number: 10472 - 04  
 Test Type: CHRONIC  
 Route: RESPIRATORY EXPOSURE WHOLE BODY  
 Species/Strain: MICE/B6C3F1

**P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS**

p-Chloro-a,a,a-trifluorotoluene

CAS Number: 98-56-6

Date Report Requested: 03/25/2016

Time Report Requested: 09:19:23

First Dose M/F: 01/31/11 / 01/31/11

Lab: BNW

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MICE(B6C3F1)  
 TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Males			
	Control	100 ppm	200 ppm	400 ppm
<b>Lymph Node: Iliac Angiectasis</b>				
<b>LESION RATES</b>				
OVERALL (a)	0/4 (0%)	0/0 (0%)	0/3 (0%)	0/4 (0%)
POLY-3 RATE (b)	0/2.98	0/0.00	0/2.41	0/2.66
POLY-3 PERCENT (g)	0%	0%	0%	0%
TERMINAL (d)	0/1 (0%)	0/0 (0%)	0/1 (0%)	0/0 (0%)
FIRST INCIDENCE	---	---	---	---
<b>STATISTICAL TESTS</b>				
POLY 3	(n)	(n)	(n)	(n)
POLY 1.5	(n)	(n)	(n)	(n)
POLY 6	(n)	(n)	(n)	(n)
COCH-ARM / FISHERS	(n)	(n)	(n)	(n)
MAX-ISO-POLY-3	(n)	(n)	(n)	(n)

Experiment Number: 10472 - 04  
Test Type: CHRONIC  
Route: RESPIRATORY EXPOSURE WHOLE BODY  
Species/Strain: MICE/B6C3F1

**P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS**

p-Chloro-a,a,a-trifluorotoluene

CAS Number: 98-56-6

Date Report Requested: 03/25/2016

Time Report Requested: 09:19:23

First Dose M/F: 01/31/11 / 01/31/11

Lab: BNW

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MICE(B6C3F1)  
TERMINAL SACRIFICE AT 105 WEEKS**

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DOSE	Males			
	Control	100 ppm	200 ppm	400 ppm
<b>Lymph Node: Renal Ectasia</b>				
<b>LESION RATES</b>				
OVERALL (a)	0/4 (0%)	0/0 (0%)	0/3 (0%)	0/4 (0%)
POLY-3 RATE (b)	0/2.98	0/0.00	0/2.41	0/2.66
POLY-3 PERCENT (g)	0%	0%	0%	0%
TERMINAL (d)	0/1 (0%)	0/0 (0%)	0/1 (0%)	0/0 (0%)
FIRST INCIDENCE	---	---	---	---
<b>STATISTICAL TESTS</b>				
POLY 3	(n)	(n)	(n)	(n)
POLY 1.5	(n)	(n)	(n)	(n)
POLY 6	(n)	(n)	(n)	(n)
COCH-ARM / FISHERS	(n)	(n)	(n)	(n)
MAX-ISO-POLY-3	(n)	(n)	(n)	(n)

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Experiment Number: 10472 - 04  
 Test Type: CHRONIC  
 Route: RESPIRATORY EXPOSURE WHOLE BODY  
 Species/Strain: MICE/B6C3F1

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS  
 p-Chloro-a,a,a-trifluorotoluene  
 CAS Number: 98-56-6

Date Report Requested: 03/25/2016  
 Time Report Requested: 09:19:23  
 First Dose M/F: 01/31/11 / 01/31/11  
 Lab: BNW

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MICE(B6C3F1)  
 TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Males			
	Control	100 ppm	200 ppm	400 ppm
<b>Mammary Gland Hyperplasia</b>				
<b>LESION RATES</b>				
OVERALL (a)	0/2 (0%)	0/1 (0%)	0/3 (0%)	0/1 (0%)
POLY-3 RATE (b)	0/1.68	0/1.00	0/2.74	0/0.50
POLY-3 PERCENT (g)	0%	0%	0%	0%
TERMINAL (d)	0/1 (0%)	0/1 (0%)	0/2 (0%)	0/0 (0%)
FIRST INCIDENCE	---	---	---	---
<b>STATISTICAL TESTS</b>				
POLY 3	(n)	(n)	(n)	(n)
POLY 1.5	(n)	(n)	(n)	(n)
POLY 6	(n)	(n)	(n)	(n)
COCH-ARM / FISHERS	(n)	(n)	(n)	(n)
MAX-ISO-POLY-3	(n)	(n)	(n)	(n)

Experiment Number: 10472 - 04  
 Test Type: CHRONIC  
 Route: RESPIRATORY EXPOSURE WHOLE BODY  
 Species/Strain: MICE/B6C3F1

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS  
 p-Chloro-a,a,a-trifluorotoluene  
 CAS Number: 98-56-6

Date Report Requested: 03/25/2016  
 Time Report Requested: 09:19:23  
 First Dose M/F: 01/31/11 / 01/31/11  
 Lab: BNW

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MICE(B6C3F1)  
 TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Males			
	Control	100 ppm	200 ppm	400 ppm
<b>Mesentery: Fat Necrosis</b>				
<b>LESION RATES</b>				
OVERALL (a)	4/6 (67%)	2/5 (40%)	1/2 (50%)	4/5 (80%)
POLY-3 RATE (b)	4/5.21	2/4.74	1/1.74	4/4.86
POLY-3 PERCENT (g)	76.8%	42.2%	57.5%	82.3%
TERMINAL (d)	3/3 (100%)	2/4 (50%)	1/1 (100%)	3/3 (100%)
FIRST INCIDENCE	488	729 (T)	729 (T)	585
<b>STATISTICAL TESTS</b>				
POLY 3	P=0.407	P=0.317N	P=0.689N	P=0.720
POLY 1.5	P=0.385	P=0.355N	P=0.662N	P=0.645
POLY 6	P=0.443	P=0.259N	P=0.768N	P=0.845
COCH-ARM / FISHERS	P=0.350	P=0.392N	P=0.643N	P=0.576
MAX-ISO-POLY-3	P=0.365	P=0.128N	P=0.341N	P=0.410

Experiment Number: 10472 - 04  
 Test Type: CHRONIC  
 Route: RESPIRATORY EXPOSURE WHOLE BODY  
 Species/Strain: MICE/B6C3F1

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS  
 p-Chloro-a,a,a-trifluorotoluene  
 CAS Number: 98-56-6

Date Report Requested: 03/25/2016  
 Time Report Requested: 09:19:23  
 First Dose M/F: 01/31/11 / 01/31/11  
 Lab: BNW

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MICE(B6C3F1)  
 TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Males			
	Control	100 ppm	200 ppm	400 ppm
<b>Nose Inflammation</b>				
<b>LESION RATES</b>				
OVERALL (a)	1/50 (2%)	3/50 (6%)	5/50 (10%)	4/50 (8%)
POLY-3 RATE (b)	1/46.18	3/47.98	5/44.41	4/42.62
POLY-3 PERCENT (g)	2.2%	6.3%	11.3%	9.4%
TERMINAL (d)	1/40 (3%)	2/40 (5%)	4/35 (11%)	2/28 (7%)
FIRST INCIDENCE	729 (T)	531	723	606
<b>STATISTICAL TESTS</b>				
POLY 3	P=0.117	P=0.319	P=0.092	P=0.155
POLY 1.5	P=0.133	P=0.315	P=0.096	P=0.166
POLY 6	P=0.096	P=0.323	P=0.088	P=0.139
COCH-ARM / FISHERS	P=0.154	P=0.309	P=0.102	P=0.181
MAX-ISO-POLY-3	P=0.123	P=0.169	P=0.042*	P=0.077

Experiment Number: 10472 - 04  
 Test Type: CHRONIC  
 Route: RESPIRATORY EXPOSURE WHOLE BODY  
 Species/Strain: MICE/B6C3F1

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS  
 p-Chloro-a,a,a-trifluorotoluene  
 CAS Number: 98-56-6

Date Report Requested: 03/25/2016  
 Time Report Requested: 09:19:23  
 First Dose M/F: 01/31/11 / 01/31/11  
 Lab: BNW

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MICE(B6C3F1)  
 TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Males			
	Control	100 ppm	200 ppm	400 ppm
<b>Nose: Olfactory Epithelium Accumulation, Hyaline Droplet</b>				
<b>LESION RATES</b>				
OVERALL (a)	11/50 (22%)	9/50 (18%)	7/50 (14%)	13/50 (26%)
POLY-3 RATE (b)	11/46.31	9/47.78	7/45.28	13/43.83
POLY-3 PERCENT (g)	23.8%	18.8%	15.5%	29.7%
TERMINAL (d)	9/40 (23%)	8/40 (20%)	6/35 (17%)	8/28 (29%)
FIRST INCIDENCE	704	610	340	548
<b>STATISTICAL TESTS</b>				
POLY 3	P=0.258	P=0.371N	P=0.231N	P=0.346
POLY 1.5	P=0.283	P=0.381N	P=0.224N	P=0.375
POLY 6	P=0.223	P=0.364N	P=0.242N	P=0.301
COCH-ARM / FISHERS	P=0.316	P=0.402N	P=0.218N	P=0.408
MAX-ISO-POLY-3	P=0.202	P=0.284N	P=0.162N	P=0.269



Experiment Number: 10472 - 04  
 Test Type: CHRONIC  
 Route: RESPIRATORY EXPOSURE WHOLE BODY  
 Species/Strain: MICE/B6C3F1

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS  
 p-Chloro-a,a,a-trifluorotoluene  
 CAS Number: 98-56-6

Date Report Requested: 03/25/2016  
 Time Report Requested: 09:19:23  
 First Dose M/F: 01/31/11 / 01/31/11  
 Lab: BNW

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MICE(B6C3F1)  
 TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Males			
	Control	100 ppm	200 ppm	400 ppm
<b>Nose: Respiratory Epithelium Accumulation, Hyaline Droplet</b>				
<b>LESION RATES</b>				
OVERALL (a)	9/50 (18%)	8/50 (16%)	3/50 (6%)	12/50 (24%)
POLY-3 RATE (b)	9/47.38	8/48.38	3/44.64	12/43.93
POLY-3 PERCENT (g)	19%	16.5%	6.7%	27.3%
TERMINAL (d)	5/40 (13%)	5/40 (13%)	2/35 (6%)	7/28 (25%)
FIRST INCIDENCE	488	531	659	477
<b>STATISTICAL TESTS</b>				
POLY 3	P=0.201	P=0.481N	P=0.074N	P=0.243
POLY 1.5	P=0.224	P=0.487N	P=0.068N	P=0.274
POLY 6	P=0.172	P=0.479N	P=0.080N	P=0.200
COCH-ARM / FISHERS	P=0.257	P=0.500N	P=0.061N	P=0.312
MAX-ISO-POLY-3	P=0.086	P=0.377N	P=0.043N*	P=0.181

Experiment Number: 10472 - 04  
 Test Type: CHRONIC  
 Route: RESPIRATORY EXPOSURE WHOLE BODY  
 Species/Strain: MICE/B6C3F1

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS  
 p-Chloro-a,a,a-trifluorotoluene  
 CAS Number: 98-56-6

Date Report Requested: 03/25/2016  
 Time Report Requested: 09:19:23  
 First Dose M/F: 01/31/11 / 01/31/11  
 Lab: BNW

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MICE(B6C3F1)  
 TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Males			
	Control	100 ppm	200 ppm	400 ppm
<b>Nose: Respiratory Epithelium Metaplasia</b>				
<b>LESION RATES</b>				
OVERALL (a)	0/50 (0%)	1/50 (2%)	2/50 (4%)	1/50 (2%)
POLY-3 RATE (b)	0/46.18	1/47.37	2/44.38	1/41.81
POLY-3 PERCENT (g)	0%	2.1%	4.5%	2.4%
TERMINAL (d)	0/40 (0%)	1/40 (3%)	2/35 (6%)	1/28 (4%)
FIRST INCIDENCE	---	729 (T)	729 (T)	729 (T)
<b>STATISTICAL TESTS</b>				
POLY 3	P=0.317	P=0.505	P=0.228	P=0.480
POLY 1.5	P=0.339	P=0.503	P=0.232	P=0.489
POLY 6	P=0.283	P=0.506	P=0.225	P=0.466
COCH-ARM / FISHERS	P=0.366	P=0.500	P=0.247	P=0.500
MAX-ISO-POLY-3	P=0.242	P=0.165	P=0.076	P=0.158

Experiment Number: 10472 - 04  
 Test Type: CHRONIC  
 Route: RESPIRATORY EXPOSURE WHOLE BODY  
 Species/Strain: MICE/B6C3F1

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS  
 p-Chloro-a,a,a-trifluorotoluene  
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 Lab: BNW

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MICE(B6C3F1)  
 TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Males			
	Control	100 ppm	200 ppm	400 ppm
<b>Pancreas Inflammation</b>				
<b>LESION RATES</b>				
OVERALL (a)	2/50 (4%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
POLY-3 RATE (b)	2/47.02	0/47.37	0/44.38	0/41.81
POLY-3 PERCENT (g)	4.3%	0%	0%	0%
TERMINAL (d)	0/40 (0%)	0/40 (0%)	0/35 (0%)	0/28 (0%)
FIRST INCIDENCE	595	---	---	---
<b>STATISTICAL TESTS</b>				
POLY 3	P=0.112N	P=0.236N	P=0.250N	P=0.264N
POLY 1.5	P=0.113N	P=0.236N	P=0.245N	P=0.252N
POLY 6	P=0.109N	P=0.237N	P=0.257N	P=0.285N
COCH-ARM / FISHERS	P=0.115N	P=0.247N	P=0.247N	P=0.247N
MAX-ISO-POLY-3	P=0.056N	P=0.076N	P=0.089N	P=0.102N

Experiment Number: 10472 - 04  
 Test Type: CHRONIC  
 Route: RESPIRATORY EXPOSURE WHOLE BODY  
 Species/Strain: MICE/B6C3F1

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS  
 p-Chloro-a,a,a-trifluorotoluene  
 CAS Number: 98-56-6

Date Report Requested: 03/25/2016  
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 First Dose M/F: 01/31/11 / 01/31/11  
 Lab: BNW

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MICE(B6C3F1)  
 TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Males			
	Control	100 ppm	200 ppm	400 ppm
<b>Pancreas: Acinus Atrophy</b>				
<b>LESION RATES</b>				
OVERALL (a)	1/50 (2%)	0/50 (0%)	2/50 (4%)	3/50 (6%)
POLY-3 RATE (b)	1/46.64	0/47.37	2/45.16	3/42.51
POLY-3 PERCENT (g)	2.1%	0%	4.4%	7.1%
TERMINAL (d)	0/40 (0%)	0/40 (0%)	1/35 (3%)	1/28 (4%)
FIRST INCIDENCE	595	---	444	626
<b>STATISTICAL TESTS</b>				
POLY 3	P=0.086	P=0.497N	P=0.489	P=0.273
POLY 1.5	P=0.093	P=0.498N	P=0.493	P=0.288
POLY 6	P=0.076	P=0.497N	P=0.482	P=0.251
COCH-ARM / FISHERS	P=0.104	P=0.500N	P=0.500	P=0.309
MAX-ISO-POLY-3	P=0.105	P=0.159N	P=0.274	P=0.143

Experiment Number: 10472 - 04  
 Test Type: CHRONIC  
 Route: RESPIRATORY EXPOSURE WHOLE BODY  
 Species/Strain: MICE/B6C3F1

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS  
 p-Chloro-a,a,a-trifluorotoluene  
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Date Report Requested: 03/25/2016  
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 First Dose M/F: 01/31/11 / 01/31/11  
 Lab: BNW

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MICE(B6C3F1)  
 TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Males			
	Control	100 ppm	200 ppm	400 ppm
<b>Pancreas: Acinus Hypertrophy</b>				
<b>LESION RATES</b>				
OVERALL (a)	0/50 (0%)	1/50 (2%)	0/50 (0%)	0/50 (0%)
POLY-3 RATE (b)	0/46.18	1/47.37	0/44.38	0/41.81
POLY-3 PERCENT (g)	0%	2.1%	0%	0%
TERMINAL (d)	0/40 (0%)	1/40 (3%)	0/35 (0%)	0/28 (0%)
FIRST INCIDENCE	---	729 (T)	---	---
<b>STATISTICAL TESTS</b>				
POLY 3	(n)	(n)	(n)	(n)
POLY 1.5	(n)	(n)	(n)	(n)
POLY 6	(n)	(n)	(n)	(n)
COCH-ARM / FISHERS	(n)	(n)	(n)	(n)
MAX-ISO-POLY-3	(n)	(n)	(n)	(n)

Experiment Number: 10472 - 04  
 Test Type: CHRONIC  
 Route: RESPIRATORY EXPOSURE WHOLE BODY  
 Species/Strain: MICE/B6C3F1

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS  
 p-Chloro-a,a,a-trifluorotoluene  
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 Lab: BNW

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MICE(B6C3F1)  
 TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Males			
	Control	100 ppm	200 ppm	400 ppm
<b>Pancreas: Duct Cyst</b>				
<b>LESION RATES</b>				
OVERALL (a)	0/50 (0%)	0/50 (0%)	1/50 (2%)	0/50 (0%)
POLY-3 RATE (b)	0/46.18	0/47.37	1/44.38	0/41.81
POLY-3 PERCENT (g)	0%	0%	2.3%	0%
TERMINAL (d)	0/40 (0%)	0/40 (0%)	1/35 (3%)	0/28 (0%)
FIRST INCIDENCE	---	---	729 (T)	---
<b>STATISTICAL TESTS</b>				
POLY 3	(n)	(n)	(n)	(n)
POLY 1.5	(n)	(n)	(n)	(n)
POLY 6	(n)	(n)	(n)	(n)
COCH-ARM / FISHERS	(n)	(n)	(n)	(n)
MAX-ISO-POLY-3	(n)	(n)	(n)	(n)

Experiment Number: 10472 - 04  
 Test Type: CHRONIC  
 Route: RESPIRATORY EXPOSURE WHOLE BODY  
 Species/Strain: MICE/B6C3F1

**P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS**  
 p-Chloro-a,a,a-trifluorotoluene  
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Date Report Requested: 03/25/2016  
 Time Report Requested: 09:19:23  
 First Dose M/F: 01/31/11 / 01/31/11  
 Lab: BNW

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MICE(B6C3F1)  
 TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Males			
	Control	100 ppm	200 ppm	400 ppm
<b>Peripheral Nerve Degeneration</b>				
<b>LESION RATES</b>				
OVERALL (a)	0/0 (0%)	0/0 (0%)	1/1 (100%)	0/0 (0%)
POLY-3 RATE (b)	0/0.00	0/0.00	1/1.00	0/0.00
POLY-3 PERCENT (g)	0%	0%	100%	0%
TERMINAL (d)	0/0 (0%)	0/0 (0%)	0/0 (0%)	0/0 (0%)
FIRST INCIDENCE	---	---	587	---
<b>STATISTICAL TESTS</b>				
POLY 3	(n)	(n)	(n)	(n)
POLY 1.5	(n)	(n)	(n)	(n)
POLY 6	(n)	(n)	(n)	(n)
COCH-ARM / FISHERS	(n)	(n)	(n)	(n)
MAX-ISO-POLY-3	(n)	(n)	(n)	(n)

Experiment Number: 10472 - 04  
Test Type: CHRONIC  
Route: RESPIRATORY EXPOSURE WHOLE BODY  
Species/Strain: MICE/B6C3F1

**P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS**

p-Chloro-a,a,a-trifluorotoluene

CAS Number: 98-56-6

Date Report Requested: 03/25/2016

Time Report Requested: 09:19:23

First Dose M/F: 01/31/11 / 01/31/11

Lab: BNW

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MICE(B6C3F1)  
TERMINAL SACRIFICE AT 105 WEEKS**

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DOSE	Males			
	Control	100 ppm	200 ppm	400 ppm
<b>Pituitary Gland: Pars Distalis Angiectasis</b>				
<b>LESION RATES</b>				
OVERALL (a)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/49 (0%)
POLY-3 RATE (b)	0/46.18	0/47.37	0/44.38	0/41.09
POLY-3 PERCENT (g)	0%	0%	0%	0%
TERMINAL (d)	0/40 (0%)	0/40 (0%)	0/35 (0%)	0/28 (0%)
FIRST INCIDENCE	---	---	---	---
<b>STATISTICAL TESTS</b>				
POLY 3	(n)	(n)	(n)	(n)
POLY 1.5	(n)	(n)	(n)	(n)
POLY 6	(n)	(n)	(n)	(n)
COCH-ARM / FISHERS	(n)	(n)	(n)	(n)
MAX-ISO-POLY-3	(n)	(n)	(n)	(n)

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Experiment Number: 10472 - 04  
 Test Type: CHRONIC  
 Route: RESPIRATORY EXPOSURE WHOLE BODY  
 Species/Strain: MICE/B6C3F1

**P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS**

p-Chloro-a,a,a-trifluorotoluene

CAS Number: 98-56-6

Date Report Requested: 03/25/2016

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First Dose M/F: 01/31/11 / 01/31/11

Lab: BNW

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MICE(B6C3F1)  
 TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Males			
	Control	100 ppm	200 ppm	400 ppm
<b>Pituitary Gland: Pars Distalis Hyperplasia</b>				
<b>LESION RATES</b>				
OVERALL (a)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/49 (0%)
POLY-3 RATE (b)	0/46.18	0/47.37	0/44.38	0/41.09
POLY-3 PERCENT (g)	0%	0%	0%	0%
TERMINAL (d)	0/40 (0%)	0/40 (0%)	0/35 (0%)	0/28 (0%)
FIRST INCIDENCE	---	---	---	---
<b>STATISTICAL TESTS</b>				
POLY 3	(n)	(n)	(n)	(n)
POLY 1.5	(n)	(n)	(n)	(n)
POLY 6	(n)	(n)	(n)	(n)
COCH-ARM / FISHERS	(n)	(n)	(n)	(n)
MAX-ISO-POLY-3	(n)	(n)	(n)	(n)

Experiment Number: 10472 - 04  
Test Type: CHRONIC  
Route: RESPIRATORY EXPOSURE WHOLE BODY  
Species/Strain: MICE/B6C3F1

**P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS**

p-Chloro-a,a,a-trifluorotoluene

CAS Number: 98-56-6

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First Dose M/F: 01/31/11 / 01/31/11

Lab: BNW

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MICE(B6C3F1)  
TERMINAL SACRIFICE AT 105 WEEKS**

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DOSE	Males			
	Control	100 ppm	200 ppm	400 ppm
<b>Pleura Inflammation</b>				
<b>LESION RATES</b>				
OVERALL (a)	0/0 (0%)	0/0 (0%)	0/0 (0%)	0/0 (0%)
POLY-3 RATE (b)	0/0.00	0/0.00	0/0.00	0/0.00
POLY-3 PERCENT (g)	0%	0%	0%	0%
TERMINAL (d)	0/0 (0%)	0/0 (0%)	0/0 (0%)	0/0 (0%)
FIRST INCIDENCE	---	---	---	---
<b>STATISTICAL TESTS</b>				
POLY 3	(n)	(n)	(n)	(n)
POLY 1.5	(n)	(n)	(n)	(n)
POLY 6	(n)	(n)	(n)	(n)
COCH-ARM / FISHERS	(n)	(n)	(n)	(n)
MAX-ISO-POLY-3	(n)	(n)	(n)	(n)

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Experiment Number: 10472 - 04  
 Test Type: CHRONIC  
 Route: RESPIRATORY EXPOSURE WHOLE BODY  
 Species/Strain: MICE/B6C3F1

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS  
 p-Chloro-a,a,a-trifluorotoluene  
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Date Report Requested: 03/25/2016  
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 Lab: BNW

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MICE(B6C3F1)  
 TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Males			
	Control	100 ppm	200 ppm	400 ppm
<b>Preputial Gland Ectasia</b>				
<b>LESION RATES</b>				
OVERALL (a)	2/50 (4%)	5/50 (10%)	6/49 (12%)	4/50 (8%)
POLY-3 RATE (b)	2/46.18	5/47.77	6/44.84	4/42.66
POLY-3 PERCENT (g)	4.3%	10.5%	13.4%	9.4%
TERMINAL (d)	2/40 (5%)	3/40 (8%)	3/34 (9%)	1/28 (4%)
FIRST INCIDENCE	729 (T)	665	523	626
<b>STATISTICAL TESTS</b>				
POLY 3	P=0.283	P=0.230	P=0.123	P=0.301
POLY 1.5	P=0.312	P=0.226	P=0.124	P=0.318
POLY 6	P=0.243	P=0.235	P=0.123	P=0.277
COCH-ARM / FISHERS	P=0.349	P=0.218	P=0.128	P=0.339
MAX-ISO-POLY-3	P=0.223	P=0.133	P=0.065	P=0.182

Experiment Number: 10472 - 04  
 Test Type: CHRONIC  
 Route: RESPIRATORY EXPOSURE WHOLE BODY  
 Species/Strain: MICE/B6C3F1

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS  
 p-Chloro-a,a,a-trifluorotoluene  
 CAS Number: 98-56-6

Date Report Requested: 03/25/2016  
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**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MICE(B6C3F1)  
 TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Males			
	Control	100 ppm	200 ppm	400 ppm
<b>Preputial Gland Inflammation</b>				
<b>LESION RATES</b>				
OVERALL (a)	2/50 (4%)	1/50 (2%)	2/49 (4%)	0/50 (0%)
POLY-3 RATE (b)	2/46.98	1/47.37	2/44.05	0/41.81
POLY-3 PERCENT (g)	4.3%	2.1%	4.5%	0%
TERMINAL (d)	1/40 (3%)	1/40 (3%)	0/34 (0%)	0/28 (0%)
FIRST INCIDENCE	424	729 (T)	551	---
<b>STATISTICAL TESTS</b>				
POLY 3	P=0.234N	P=0.497N	P=0.670	P=0.264N
POLY 1.5	P=0.220N	P=0.498N	P=0.676	P=0.252N
POLY 6	P=0.254N	P=0.497N	P=0.665	P=0.283N
COCH-ARM / FISHERS	P=0.201N	P=0.500N	P=0.684	P=0.247N
MAX-ISO-POLY-3	P=0.206N	P=0.279N	P=0.473	P=0.101N

Experiment Number: 10472 - 04  
 Test Type: CHRONIC  
 Route: RESPIRATORY EXPOSURE WHOLE BODY  
 Species/Strain: MICE/B6C3F1

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS  
 p-Chloro-a,a,a-trifluorotoluene  
 CAS Number: 98-56-6

Date Report Requested: 03/25/2016  
 Time Report Requested: 09:19:23  
 First Dose M/F: 01/31/11 / 01/31/11  
 Lab: BNW

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MICE(B6C3F1)  
 TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Males			
	Control	100 ppm	200 ppm	400 ppm
<b>Seminal Vesicle Dilatation</b>				
<b>LESION RATES</b>				
OVERALL (a)	0/50 (0%)	1/50 (2%)	2/50 (4%)	0/50 (0%)
POLY-3 RATE (b)	0/46.18	1/47.37	2/44.38	0/41.81
POLY-3 PERCENT (g)	0%	2.1%	4.5%	0%
TERMINAL (d)	0/40 (0%)	1/40 (3%)	2/35 (6%)	0/28 (0%)
FIRST INCIDENCE	---	729 (T)	729 (T)	---
<b>STATISTICAL TESTS</b>				
POLY 3	P=0.634	P=0.505	P=0.228	(e)
POLY 1.5	P=0.638N	P=0.503	P=0.232	(e)
POLY 6	P=0.593	P=0.506	P=0.225	(e)
COCH-ARM / FISHERS	P=0.616N	P=0.500	P=0.247	(e)
MAX-ISO-POLY-3	P=0.343	P=0.165	P=0.076	(e)

Experiment Number: 10472 - 04  
 Test Type: CHRONIC  
 Route: RESPIRATORY EXPOSURE WHOLE BODY  
 Species/Strain: MICE/B6C3F1

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS  
 p-Chloro-a,a,a-trifluorotoluene  
 CAS Number: 98-56-6

Date Report Requested: 03/25/2016  
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 First Dose M/F: 01/31/11 / 01/31/11  
 Lab: BNW

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MICE(B6C3F1)  
 TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Males			
	Control	100 ppm	200 ppm	400 ppm
<b>Seminal Vesicle Inflammation</b>				
<b>LESION RATES</b>				
OVERALL (a)	0/50 (0%)	0/50 (0%)	2/50 (4%)	1/50 (2%)
POLY-3 RATE (b)	0/46.18	0/47.37	2/45.39	1/42.39
POLY-3 PERCENT (g)	0%	0%	4.4%	2.4%
TERMINAL (d)	0/40 (0%)	0/40 (0%)	0/35 (0%)	0/28 (0%)
FIRST INCIDENCE	---	---	444	548
<b>STATISTICAL TESTS</b>				
POLY 3	P=0.210	(e)	P=0.233	P=0.483
POLY 1.5	P=0.226	(e)	P=0.235	P=0.491
POLY 6	P=0.187	(e)	P=0.231	P=0.470
COCH-ARM / FISHERS	P=0.246	(e)	P=0.247	P=0.500
MAX-ISO-POLY-3	P=0.185	(e)	P=0.076	P=0.158

Experiment Number: 10472 - 04  
 Test Type: CHRONIC  
 Route: RESPIRATORY EXPOSURE WHOLE BODY  
 Species/Strain: MICE/B6C3F1

**P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS**

p-Chloro-a,a,a-trifluorotoluene

CAS Number: 98-56-6

Date Report Requested: 03/25/2016

Time Report Requested: 09:19:23

First Dose M/F: 01/31/11 / 01/31/11

Lab: BNW

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MICE(B6C3F1)  
 TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Males			
	Control	100 ppm	200 ppm	400 ppm
<b>Skin Inflammation</b>				
<b>LESION RATES</b>				
OVERALL (a)	1/50 (2%)	2/50 (4%)	1/50 (2%)	3/50 (6%)
POLY-3 RATE (b)	1/46.28	2/47.79	1/44.42	3/42.62
POLY-3 PERCENT (g)	2.2%	4.2%	2.3%	7%
TERMINAL (d)	0/40 (0%)	1/40 (3%)	0/35 (0%)	0/28 (0%)
FIRST INCIDENCE	704	605	719	579
<b>STATISTICAL TESTS</b>				
POLY 3	P=0.210	P=0.511	P=0.751	P=0.276
POLY 1.5	P=0.222	P=0.507	P=0.755	P=0.290
POLY 6	P=0.192	P=0.514	P=0.747	P=0.256
COCH-ARM / FISHERS	P=0.237	P=0.500	P=0.753N	P=0.309
MAX-ISO-POLY-3	P=0.208	P=0.293	P=0.488	P=0.144

Experiment Number: 10472 - 04  
 Test Type: CHRONIC  
 Route: RESPIRATORY EXPOSURE WHOLE BODY  
 Species/Strain: MICE/B6C3F1

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS  
 p-Chloro-a,a,a-trifluorotoluene  
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 Lab: BNW

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MICE(B6C3F1)  
 TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Males			
	Control	100 ppm	200 ppm	400 ppm
<b>Skin</b>				
<b>Ulcer</b>				
<b>LESION RATES</b>				
OVERALL (a)	0/50 (0%)	0/50 (0%)	1/50 (2%)	3/50 (6%)
POLY-3 RATE (b)	0/46.18	0/47.37	1/44.42	3/42.62
POLY-3 PERCENT (g)	0%	0%	2.3%	7%
TERMINAL (d)	0/40 (0%)	0/40 (0%)	0/35 (0%)	0/28 (0%)
FIRST INCIDENCE	---	---	719	579
<b>STATISTICAL TESTS</b>				
POLY 3	P=0.016*	(e)	P=0.492	P=0.105
POLY 1.5	P=0.018*	(e)	P=0.495	P=0.111
POLY 6	P=0.014*	(e)	P=0.489	P=0.096
COCH-ARM / FISHERS	P=0.020*	(e)	P=0.500	P=0.121
MAX-ISO-POLY-3	P=0.023*	(e)	P=0.158	P=0.038*



Experiment Number: 10472 - 04  
 Test Type: CHRONIC  
 Route: RESPIRATORY EXPOSURE WHOLE BODY  
 Species/Strain: MICE/B6C3F1

**P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS**  
 p-Chloro-a,a,a-trifluorotoluene  
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**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MICE(B6C3F1)  
 TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Males			
	Control	100 ppm	200 ppm	400 ppm
<b>Spleen</b>				
<b>Hematopoietic Cell Proliferation</b>				
<b>LESION RATES</b>				
<b>OVERALL (a)</b>	17/50 (34%)	16/50 (32%)	10/50 (20%)	18/50 (36%)
<b>POLY-3 RATE (b)</b>	17/48.90	16/48.82	10/46.62	18/46.16
<b>POLY-3 PERCENT (g)</b>	34.8%	32.8%	21.5%	39%
<b>TERMINAL (d)</b>	11/40 (28%)	10/40 (25%)	4/35 (11%)	6/28 (21%)
<b>FIRST INCIDENCE</b>	424	605	444	548
<b>STATISTICAL TESTS</b>				
<b>POLY 3</b>	P=0.409	P=0.502N	P=0.111N	P=0.415
<b>POLY 1.5</b>	P=0.441	P=0.502N	P=0.102N	P=0.449
<b>POLY 6</b>	P=0.371	P=0.501N	P=0.122N	P=0.375
<b>COCH-ARM / FISHERS</b>	P=0.490	P=0.500N	P=0.088N	P=0.500
<b>MAX-ISO-POLY-3</b>	P=0.281	P=0.416N	P=0.078N	P=0.339

Experiment Number: 10472 - 04  
 Test Type: CHRONIC  
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 Species/Strain: MICE/B6C3F1

**P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS**  
 p-Chloro-a,a,a-trifluorotoluene  
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 Lab: BNW

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MICE(B6C3F1)  
 TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Males			
	Control	100 ppm	200 ppm	400 ppm
<b>Spleen: Lymphoid Follicle Hyperplasia</b>				
<b>LESION RATES</b>				
OVERALL (a)	8/50 (16%)	4/50 (8%)	6/50 (12%)	4/50 (8%)
POLY-3 RATE (b)	8/46.18	4/47.37	6/44.38	4/41.81
POLY-3 PERCENT (g)	17.3%	8.4%	13.5%	9.6%
TERMINAL (d)	8/40 (20%)	4/40 (10%)	6/35 (17%)	4/28 (14%)
FIRST INCIDENCE	729 (T)	729 (T)	729 (T)	729 (T)
<b>STATISTICAL TESTS</b>				
POLY 3	P=0.259N	P=0.165N	P=0.417N	P=0.228N
POLY 1.5	P=0.233N	P=0.169N	P=0.406N	P=0.203N
POLY 6	P=0.300N	P=0.162N	P=0.431N	P=0.270N
COCH-ARM / FISHERS	P=0.200N	P=0.178N	P=0.387N	P=0.178N
MAX-ISO-POLY-3	P=0.239N	P=0.102N	P=0.313N	P=0.157N

Experiment Number: 10472 - 04  
 Test Type: CHRONIC  
 Route: RESPIRATORY EXPOSURE WHOLE BODY  
 Species/Strain: MICE/B6C3F1

**P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS**

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Lab: BNW

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MICE(B6C3F1)  
 TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Males			
	Control	100 ppm	200 ppm	400 ppm
<b>Stomach, Forestomach Inflammation</b>				
<b>LESION RATES</b>				
OVERALL (a)	4/50 (8%)	12/50 (24%)	7/50 (14%)	12/48 (25%)
POLY-3 RATE (b)	4/47.80	12/48.69	7/45.66	12/42.63
POLY-3 PERCENT (g)	8.4%	24.7%	15.3%	28.2%
TERMINAL (d)	1/40 (3%)	8/40 (20%)	4/35 (11%)	7/27 (26%)
FIRST INCIDENCE	488	531	444	415
<b>STATISTICAL TESTS</b>				
POLY 3	P=0.033*	P=0.028*	P=0.235	P=0.013*
POLY 1.5	P=0.042*	P=0.028*	P=0.246	P=0.016*
POLY 6	P=0.023*	P=0.029*	P=0.223	P=0.008**
COCH-ARM / FISHERS	P=0.056	P=0.027*	P=0.262	P=0.022*
MAX-ISO-POLY-3	P=0.016*	P=0.015*	P=0.154	P=0.008**

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 Species/Strain: MICE/B6C3F1

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS  
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**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MICE(B6C3F1)  
 TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Males			
	Control	100 ppm	200 ppm	400 ppm
<b>Stomach, Forestomach Mineralization</b>				
<b>LESION RATES</b>				
OVERALL (a)	2/50 (4%)	0/50 (0%)	1/50 (2%)	1/48 (2%)
POLY-3 RATE (b)	2/46.80	0/47.37	1/44.95	1/41.35
POLY-3 PERCENT (g)	4.3%	0%	2.2%	2.4%
TERMINAL (d)	0/40 (0%)	0/40 (0%)	0/35 (0%)	0/27 (0%)
FIRST INCIDENCE	591	---	551	415
<b>STATISTICAL TESTS</b>				
POLY 3	P=0.528N	P=0.235N	P=0.514N	P=0.543N
POLY 1.5	P=0.522N	P=0.235N	P=0.509N	P=0.529N
POLY 6	P=0.536N	P=0.236N	P=0.521N	P=0.568N
COCH-ARM / FISHERS	P=0.512N	P=0.247N	P=0.500N	P=0.515N
MAX-ISO-POLY-3	P=0.329N	P=0.076N	P=0.296N	P=0.325N

Experiment Number: 10472 - 04  
 Test Type: CHRONIC  
 Route: RESPIRATORY EXPOSURE WHOLE BODY  
 Species/Strain: MICE/B6C3F1

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS  
 p-Chloro-a,a,a-trifluorotoluene  
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 Lab: BNW

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MICE(B6C3F1)  
 TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Males			
	Control	100 ppm	200 ppm	400 ppm
<b>Stomach, Forestomach: Epithelium Hyperplasia</b>				
<b>LESION RATES</b>				
OVERALL (a)	5/50 (10%)	9/50 (18%)	9/50 (18%)	10/48 (21%)
POLY-3 RATE (b)	5/47.27	9/48.26	9/46.79	10/42.58
POLY-3 PERCENT (g)	10.6%	18.7%	19.2%	23.5%
TERMINAL (d)	3/40 (8%)	6/40 (15%)	4/35 (11%)	5/27 (19%)
FIRST INCIDENCE	488	531	340	415
<b>STATISTICAL TESTS</b>				
POLY 3	P=0.087	P=0.205	P=0.187	P=0.086
POLY 1.5	P=0.103	P=0.202	P=0.191	P=0.098
POLY 6	P=0.067	P=0.207	P=0.181	P=0.069
COCH-ARM / FISHERS	P=0.121	P=0.194	P=0.194	P=0.113
MAX-ISO-POLY-3	P=0.101	P=0.135	P=0.121	P=0.056

Experiment Number: 10472 - 04  
 Test Type: CHRONIC  
 Route: RESPIRATORY EXPOSURE WHOLE BODY  
 Species/Strain: MICE/B6C3F1

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS  
 p-Chloro-a,a,a-trifluorotoluene  
 CAS Number: 98-56-6

Date Report Requested: 03/25/2016  
 Time Report Requested: 09:19:23  
 First Dose M/F: 01/31/11 / 01/31/11  
 Lab: BNW

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MICE(B6C3F1)  
 TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Males			
	Control	100 ppm	200 ppm	400 ppm
<b>Stomach, Forestomach: Epithelium Ulcer</b>				
<b>LESION RATES</b>				
OVERALL (a)	2/50 (4%)	1/50 (2%)	2/50 (4%)	1/48 (2%)
POLY-3 RATE (b)	2/47.03	1/47.98	2/44.86	1/40.91
POLY-3 PERCENT (g)	4.3%	2.1%	4.5%	2.4%
TERMINAL (d)	0/40 (0%)	0/40 (0%)	1/35 (3%)	0/27 (0%)
FIRST INCIDENCE	591	531	587	622
<b>STATISTICAL TESTS</b>				
POLY 3	P=0.497N	P=0.493N	P=0.677	P=0.548N
POLY 1.5	P=0.480N	P=0.495N	P=0.683	P=0.532N
POLY 6	P=0.520N	P=0.494N	P=0.669	P=0.574N
COCH-ARM / FISHERS	P=0.459N	P=0.500N	P=0.691N	P=0.515N
MAX-ISO-POLY-3	P=0.526N	P=0.277N	P=0.480	P=0.331N

Experiment Number: 10472 - 04  
 Test Type: CHRONIC  
 Route: RESPIRATORY EXPOSURE WHOLE BODY  
 Species/Strain: MICE/B6C3F1

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS  
 p-Chloro-a,a,a-trifluorotoluene  
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**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MICE(B6C3F1)  
 TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Males			
	Control	100 ppm	200 ppm	400 ppm
<b>Stomach, Glandular Inflammation</b>				
<b>LESION RATES</b>				
OVERALL (a)	1/50 (2%)	0/50 (0%)	1/49 (2%)	2/49 (4%)
POLY-3 RATE (b)	1/46.18	0/47.37	1/43.86	2/41.86
POLY-3 PERCENT (g)	2.2%	0%	2.3%	4.8%
TERMINAL (d)	1/40 (3%)	0/40 (0%)	1/35 (3%)	1/28 (4%)
FIRST INCIDENCE	729 (T)	---	729 (T)	638
<b>STATISTICAL TESTS</b>				
POLY 3	P=0.221	P=0.495N	P=0.749	P=0.466
POLY 1.5	P=0.230	P=0.497N	P=0.751	P=0.479
POLY 6	P=0.207	P=0.494N	P=0.746	P=0.445
COCH-ARM / FISHERS	P=0.242	P=0.500N	P=0.747	P=0.492
MAX-ISO-POLY-3	P=0.214	P=0.159N	P=0.485	P=0.261

Experiment Number: 10472 - 04  
 Test Type: CHRONIC  
 Route: RESPIRATORY EXPOSURE WHOLE BODY  
 Species/Strain: MICE/B6C3F1

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS  
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**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MICE(B6C3F1)  
 TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Males			
	Control	100 ppm	200 ppm	400 ppm
<b>Stomach, Glandular Mineralization</b>				
<b>LESION RATES</b>				
OVERALL (a)	0/50 (0%)	1/50 (2%)	0/49 (0%)	2/49 (4%)
POLY-3 RATE (b)	0/46.18	1/47.37	0/43.86	2/41.53
POLY-3 PERCENT (g)	0%	2.1%	0%	4.8%
TERMINAL (d)	0/40 (0%)	1/40 (3%)	0/35 (0%)	2/28 (7%)
FIRST INCIDENCE	---	729 (T)	---	729 (T)
<b>STATISTICAL TESTS</b>				
POLY 3	P=0.124	P=0.505	(e)	P=0.214
POLY 1.5	P=0.129	P=0.503	(e)	P=0.223
POLY 6	P=0.116	P=0.506	(e)	P=0.200
COCH-ARM / FISHERS	P=0.136	P=0.500	(e)	P=0.242
MAX-ISO-POLY-3	P=0.076	P=0.165	(e)	P=0.074



Experiment Number: 10472 - 04  
Test Type: CHRONIC  
Route: RESPIRATORY EXPOSURE WHOLE BODY  
Species/Strain: MICE/B6C3F1

**P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS**

p-Chloro-a,a,a-trifluorotoluene

CAS Number: 98-56-6

Date Report Requested: 03/25/2016

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First Dose M/F: 01/31/11 / 01/31/11

Lab: BNW

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MICE(B6C3F1)  
TERMINAL SACRIFICE AT 105 WEEKS**

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DOSE	Males			
	Control	100 ppm	200 ppm	400 ppm
<hr/>				
Testes: Germinal Epithelium Degeneration				
<hr/>				
<b>LESION RATES</b>				
OVERALL (a)	7/50 (14%)	10/50 (20%)	10/50 (20%)	8/50 (16%)
POLY-3 RATE (b)	7/46.50	10/48.78	10/46.91	8/42.71
POLY-3 PERCENT (g)	15.1%	20.5%	21.3%	18.7%
TERMINAL (d)	6/40 (15%)	6/40 (15%)	3/35 (9%)	5/28 (18%)
FIRST INCIDENCE	640	531	523	592
<hr/>				
<b>STATISTICAL TESTS</b>				
POLY 3	P=0.408	P=0.336	P=0.303	P=0.429
POLY 1.5	P=0.453	P=0.322	P=0.299	P=0.462
POLY 6	P=0.345	P=0.349	P=0.312	P=0.379
COCH-ARM / FISHERS	P=0.513	P=0.298	P=0.298	P=0.500
MAX-ISO-POLY-3	P=0.449	P=0.250	P=0.219	P=0.328

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Experiment Number: 10472 - 04  
 Test Type: CHRONIC  
 Route: RESPIRATORY EXPOSURE WHOLE BODY  
 Species/Strain: MICE/B6C3F1

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**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MICE(B6C3F1)  
 TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Males			
	Control	100 ppm	200 ppm	400 ppm
<b>Thymus Atrophy</b>				
<b>LESION RATES</b>				
OVERALL (a)	21/48 (44%)	20/48 (42%)	15/48 (31%)	22/48 (46%)
POLY-3 RATE (b)	21/47.09	20/47.59	15/46.20	22/45.37
POLY-3 PERCENT (g)	44.6%	42%	32.5%	48.5%
TERMINAL (d)	16/39 (41%)	12/38 (32%)	7/35 (20%)	9/28 (32%)
FIRST INCIDENCE	424	531	523	548
<b>STATISTICAL TESTS</b>				
POLY 3	P=0.411	P=0.482N	P=0.161N	P=0.434
POLY 1.5	P=0.439	P=0.490N	P=0.158N	P=0.461
POLY 6	P=0.379	P=0.471N	P=0.160N	P=0.400
COCH-ARM / FISHERS	P=0.480	P=0.500N	P=0.146N	P=0.500
MAX-ISO-POLY-3	P=0.326	P=0.399N	P=0.116N	P=0.355

Experiment Number: 10472 - 04  
 Test Type: CHRONIC  
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 Species/Strain: MICE/B6C3F1

**P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS**  
 p-Chloro-a,a,a-trifluorotoluene  
 CAS Number: 98-56-6

Date Report Requested: 03/25/2016  
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**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MICE(B6C3F1)  
 TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Males			
	Control	100 ppm	200 ppm	400 ppm
<b>Thymus</b>				
<b>Ectopic Parathyroid Gland</b>				
<b>LESION RATES</b>				
<b>OVERALL (a)</b>	12/48 (25%)	9/48 (19%)	15/48 (31%)	9/48 (19%)
<b>POLY-3 RATE (b)</b>	12/46.54	9/45.77	15/45.65	9/41.37
<b>POLY-3 PERCENT (g)</b>	25.8%	19.7%	32.9%	21.8%
<b>TERMINAL (d)</b>	9/39 (23%)	7/38 (18%)	11/35 (31%)	8/28 (29%)
<b>FIRST INCIDENCE</b>	424	660	340	653
<b>STATISTICAL TESTS</b>				
<b>POLY 3</b>	P=0.513N	P=0.326N	P=0.303	P=0.424N
<b>POLY 1.5</b>	P=0.452N	P=0.320N	P=0.312	P=0.372N
<b>POLY 6</b>	P=0.482	P=0.334N	P=0.294	P=0.504N
<b>COCH-ARM / FISHERS</b>	P=0.376N	P=0.311N	P=0.325	P=0.311N
<b>MAX-ISO-POLY-3</b>	P=0.499	P=0.245N	P=0.231	P=0.337N

Experiment Number: 10472 - 04  
 Test Type: CHRONIC  
 Route: RESPIRATORY EXPOSURE WHOLE BODY  
 Species/Strain: MICE/B6C3F1

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**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MICE(B6C3F1)  
 TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Males			
	Control	100 ppm	200 ppm	400 ppm
<b>Thymus</b>				
<b>Hyperplasia Lymphoid</b>				
<b>LESION RATES</b>				
OVERALL (a)	0/48 (0%)	0/48 (0%)	0/48 (0%)	0/48 (0%)
POLY-3 RATE (b)	0/44.88	0/45.37	0/43.62	0/41.09
POLY-3 PERCENT (g)	0%	0%	0%	0%
TERMINAL (d)	0/39 (0%)	0/38 (0%)	0/35 (0%)	0/28 (0%)
FIRST INCIDENCE	---	---	---	---
<b>STATISTICAL TESTS</b>				
POLY 3	(n)	(n)	(n)	(n)
POLY 1.5	(n)	(n)	(n)	(n)
POLY 6	(n)	(n)	(n)	(n)
COCH-ARM / FISHERS	(n)	(n)	(n)	(n)
MAX-ISO-POLY-3	(n)	(n)	(n)	(n)

Experiment Number: 10472 - 04  
 Test Type: CHRONIC  
 Route: RESPIRATORY EXPOSURE WHOLE BODY  
 Species/Strain: MICE/B6C3F1

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS  
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**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MICE(B6C3F1)  
 TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Males			
	Control	100 ppm	200 ppm	400 ppm
<b>Thyroid Gland: Follicular Cell Hyperplasia</b>				
<b>LESION RATES</b>				
OVERALL (a)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
POLY-3 RATE (b)	0/46.18	0/47.37	0/44.38	0/41.81
POLY-3 PERCENT (g)	0%	0%	0%	0%
TERMINAL (d)	0/40 (0%)	0/40 (0%)	0/35 (0%)	0/28 (0%)
FIRST INCIDENCE	---	---	---	---
<b>STATISTICAL TESTS</b>				
POLY 3	(n)	(n)	(n)	(n)
POLY 1.5	(n)	(n)	(n)	(n)
POLY 6	(n)	(n)	(n)	(n)
COCH-ARM / FISHERS	(n)	(n)	(n)	(n)
MAX-ISO-POLY-3	(n)	(n)	(n)	(n)

Experiment Number: 10472 - 04  
 Test Type: CHRONIC  
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 Species/Strain: MICE/B6C3F1

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**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MICE(B6C3F1)  
 TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Females			
	Control	100 ppm	200 ppm	400 ppm
<b>Adrenal Cortex Degeneration</b>				
<b>LESION RATES</b>				
OVERALL (a)	2/50 (4%)	0/50 (0%)	0/50 (0%)	1/50 (2%)
POLY-3 RATE (b)	2/45.12	0/43.51	0/44.07	1/43.19
POLY-3 PERCENT (g)	4.4%	0%	0%	2.3%
TERMINAL (d)	2/38 (5%)	0/33 (0%)	0/37 (0%)	1/27 (4%)
FIRST INCIDENCE	731 (T)	---	---	731 (T)
<b>STATISTICAL TESTS</b>				
POLY 3	P=0.455N	P=0.245N	P=0.242N	P=0.515N
POLY 1.5	P=0.458N	P=0.242N	P=0.242N	P=0.509N
POLY 6	P=0.450N	P=0.250N	P=0.242N	P=0.526N
COCH-ARM / FISHERS	P=0.461N	P=0.247N	P=0.247N	P=0.500N
MAX-ISO-POLY-3	P=0.152N	P=0.084N	P=0.081N	P=0.297N

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 Species/Strain: MICE/B6C3F1

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**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MICE(B6C3F1)  
 TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Females			
	Control	100 ppm	200 ppm	400 ppm
<b>Adrenal Cortex Hyperplasia</b>				
<b>LESION RATES</b>				
OVERALL (a)	1/50 (2%)	1/50 (2%)	0/50 (0%)	1/50 (2%)
POLY-3 RATE (b)	1/45.12	1/43.51	0/44.07	1/43.19
POLY-3 PERCENT (g)	2.2%	2.3%	0%	2.3%
TERMINAL (d)	1/38 (3%)	1/33 (3%)	0/37 (0%)	1/27 (4%)
FIRST INCIDENCE	731 (T)	731 (T)	---	731 (T)
<b>STATISTICAL TESTS</b>				
POLY 3	(n)	(n)	(n)	(n)
POLY 1.5	(n)	(n)	(n)	(n)
POLY 6	(n)	(n)	(n)	(n)
COCH-ARM / FISHERS	(n)	(n)	(n)	(n)
MAX-ISO-POLY-3	(n)	(n)	(n)	(n)

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 Test Type: CHRONIC  
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 Species/Strain: MICE/B6C3F1

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**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MICE(B6C3F1)  
 TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Females			
	Control	100 ppm	200 ppm	400 ppm
<b>Adrenal Cortex Hypertrophy</b>				
<b>LESION RATES</b>				
OVERALL (a)	12/50 (24%)	12/50 (24%)	10/50 (20%)	16/50 (32%)
POLY-3 RATE (b)	12/45.41	12/45.21	10/44.54	16/45.66
POLY-3 PERCENT (g)	26.4%	26.5%	22.5%	35.1%
TERMINAL (d)	10/38 (26%)	6/33 (18%)	8/37 (22%)	10/27 (37%)
FIRST INCIDENCE	664	564	595	464
<b>STATISTICAL TESTS</b>				
POLY 3	P=0.202	P=0.589	P=0.424N	P=0.252
POLY 1.5	P=0.204	P=0.586	P=0.424N	P=0.254
POLY 6	P=0.193	P=0.590	P=0.420N	P=0.240
COCH-ARM / FISHERS	P=0.204	P=0.592N	P=0.405N	P=0.252
MAX-ISO-POLY-3	P=0.233	P=0.494	P=0.332N	P=0.186



Experiment Number: 10472 - 04  
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 Species/Strain: MICE/B6C3F1

**P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS**

p-Chloro-a,a,a-trifluorotoluene

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Lab: BNW

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MICE(B6C3F1)  
 TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Females			
	Control	100 ppm	200 ppm	400 ppm
<b>Adrenal Cortex</b>				
<b>Vacuolization Cytoplasmic</b>				
<b>LESION RATES</b>				
OVERALL (a)	2/50 (4%)	2/50 (4%)	2/50 (4%)	3/50 (6%)
POLY-3 RATE (b)	2/45.32	2/43.51	2/44.11	3/43.45
POLY-3 PERCENT (g)	4.4%	4.6%	4.5%	6.9%
TERMINAL (d)	1/38 (3%)	2/33 (6%)	1/37 (3%)	0/27 (0%)
FIRST INCIDENCE	676	731 (T)	723	704
<b>STATISTICAL TESTS</b>				
POLY 3	P=0.373	P=0.679	P=0.684	P=0.481
POLY 1.5	P=0.379	P=0.685	P=0.685	P=0.489
POLY 6	P=0.363	P=0.670	P=0.684	P=0.468
COCH-ARM / FISHERS	P=0.387	P=0.691N	P=0.691N	P=0.500
MAX-ISO-POLY-3	P=0.482	P=0.483	P=0.488	P=0.310

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**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MICE(B6C3F1)  
 TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Females			
	Control	100 ppm	200 ppm	400 ppm
<b>Adrenal Medulla Hyperplasia</b>				
<b>LESION RATES</b>				
OVERALL (a)	6/50 (12%)	6/50 (12%)	8/50 (16%)	1/50 (2%)
POLY-3 RATE (b)	6/45.32	6/44.08	8/44.07	1/43.49
POLY-3 PERCENT (g)	13.2%	13.6%	18.2%	2.3%
TERMINAL (d)	5/38 (13%)	4/33 (12%)	8/37 (22%)	0/27 (0%)
FIRST INCIDENCE	676	597	731 (T)	648
<b>STATISTICAL TESTS</b>				
POLY 3	P=0.072N	P=0.601	P=0.364	P=0.062N
POLY 1.5	P=0.068N	P=0.607	P=0.368	P=0.060N
POLY 6	P=0.079N	P=0.590	P=0.363	P=0.067N
COCH-ARM / FISHERS	P=0.064N	P=0.620N	P=0.387	P=0.056N
MAX-ISO-POLY-3	P=0.052N	P=0.478	P=0.265	P=0.029N*

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 Test Type: CHRONIC  
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 Species/Strain: MICE/B6C3F1

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**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MICE(B6C3F1)  
 TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Females			
	Control	100 ppm	200 ppm	400 ppm
<b>Blood Vessel Inflammation</b>				
<b>LESION RATES</b>				
OVERALL (a)	2/50 (4%)	2/50 (4%)	2/50 (4%)	2/50 (4%)
POLY-3 RATE (b)	2/45.85	2/43.67	2/44.70	2/43.55
POLY-3 PERCENT (g)	4.4%	4.6%	4.5%	4.6%
TERMINAL (d)	1/38 (3%)	1/33 (3%)	1/37 (3%)	1/27 (4%)
FIRST INCIDENCE	469	690	526	628
<b>STATISTICAL TESTS</b>				
POLY 3	P=0.577	P=0.676	P=0.685	P=0.675
POLY 1.5	P=0.585	P=0.682	P=0.685	P=0.683
POLY 6	P=0.567	P=0.668	P=0.686	P=0.665
COCH-ARM / FISHERS	P=0.596	P=0.691N	P=0.691N	P=0.691N
MAX-ISO-POLY-3	P=0.726	P=0.480	P=0.489	P=0.478

Experiment Number: 10472 - 04  
 Test Type: CHRONIC  
 Route: RESPIRATORY EXPOSURE WHOLE BODY  
 Species/Strain: MICE/B6C3F1

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS  
 p-Chloro-a,a,a-trifluorotoluene  
 CAS Number: 98-56-6

Date Report Requested: 03/25/2016  
 Time Report Requested: 09:19:23  
 First Dose M/F: 01/31/11 / 01/31/11  
 Lab: BNW

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MICE(B6C3F1)  
 TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Females			
	Control	100 ppm	200 ppm	400 ppm
<b>Bone Marrow Hyperplasia</b>				
<b>LESION RATES</b>				
OVERALL (a)	2/50 (4%)	2/50 (4%)	1/50 (2%)	3/50 (6%)
POLY-3 RATE (b)	2/45.12	2/43.62	1/44.66	3/44.67
POLY-3 PERCENT (g)	4.4%	4.6%	2.2%	6.7%
TERMINAL (d)	2/38 (5%)	1/33 (3%)	0/37 (0%)	1/27 (4%)
FIRST INCIDENCE	731 (T)	704	544	374
<b>STATISTICAL TESTS</b>				
POLY 3	P=0.404	P=0.682	P=0.504N	P=0.496
POLY 1.5	P=0.405	P=0.686	P=0.505N	P=0.499
POLY 6	P=0.400	P=0.675	P=0.500N	P=0.487
COCH-ARM / FISHERS	P=0.404	P=0.691N	P=0.500N	P=0.500
MAX-ISO-POLY-3	P=0.404	P=0.486	P=0.284N	P=0.320

Experiment Number: 10472 - 04  
 Test Type: CHRONIC  
 Route: RESPIRATORY EXPOSURE WHOLE BODY  
 Species/Strain: MICE/B6C3F1

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS  
 p-Chloro-a,a,a-trifluorotoluene  
 CAS Number: 98-56-6

Date Report Requested: 03/25/2016  
 Time Report Requested: 09:19:23  
 First Dose M/F: 01/31/11 / 01/31/11  
 Lab: BNW

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MICE(B6C3F1)  
 TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Females			
	Control	100 ppm	200 ppm	400 ppm
<b>Bone</b>				
<b>Fibro-osseous Lesion</b>				
<b>LESION RATES</b>				
OVERALL (a)	13/50 (26%)	15/50 (30%)	6/50 (12%)	10/50 (20%)
POLY-3 RATE (b)	13/45.12	15/44.85	6/44.75	10/43.87
POLY-3 PERCENT (g)	28.8%	33.5%	13.4%	22.8%
TERMINAL (d)	13/38 (34%)	10/33 (30%)	5/37 (14%)	6/27 (22%)
FIRST INCIDENCE	731 (T)	611	503	642
<b>STATISTICAL TESTS</b>				
POLY 3	P=0.158N	P=0.402	P=0.061N	P=0.342N
POLY 1.5	P=0.154N	P=0.402	P=0.063N	P=0.332N
POLY 6	P=0.164N	P=0.405	P=0.057N	P=0.357N
COCH-ARM / FISHERS	P=0.149N	P=0.412	P=0.062N	P=0.318N
MAX-ISO-POLY-3	P=0.121N	P=0.318	P=0.036N*	P=0.261N

Experiment Number: 10472 - 04  
 Test Type: CHRONIC  
 Route: RESPIRATORY EXPOSURE WHOLE BODY  
 Species/Strain: MICE/B6C3F1

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS  
 p-Chloro-a,a,a-trifluorotoluene  
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Date Report Requested: 03/25/2016  
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 Lab: BNW

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MICE(B6C3F1)  
 TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Females			
	Control	100 ppm	200 ppm	400 ppm
<b>Brain Compression</b>				
<b>LESION RATES</b>				
OVERALL (a)	0/50 (0%)	3/50 (6%)	0/50 (0%)	0/50 (0%)
POLY-3 RATE (b)	0/45.12	3/44.16	0/44.07	0/43.19
POLY-3 PERCENT (g)	0%	6.8%	0%	0%
TERMINAL (d)	0/38 (0%)	1/33 (3%)	0/37 (0%)	0/27 (0%)
FIRST INCIDENCE	---	564	---	---
<b>STATISTICAL TESTS</b>				
POLY 3	P=0.323N	P=0.115	(e)	(e)
POLY 1.5	P=0.318N	P=0.116	(e)	(e)
POLY 6	P=0.331N	P=0.112	(e)	(e)
COCH-ARM / FISHERS	P=0.311N	P=0.121	(e)	(e)
MAX-ISO-POLY-3	P=0.179N	P=0.038*	(e)	(e)

Experiment Number: 10472 - 04  
Test Type: CHRONIC  
Route: RESPIRATORY EXPOSURE WHOLE BODY  
Species/Strain: MICE/B6C3F1

**P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS**

p-Chloro-a,a,a-trifluorotoluene

CAS Number: 98-56-6

Date Report Requested: 03/25/2016

Time Report Requested: 09:19:23

First Dose M/F: 01/31/11 / 01/31/11

Lab: BNW

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MICE(B6C3F1)  
TERMINAL SACRIFICE AT 105 WEEKS**

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DOSE	Females			
	Control	100 ppm	200 ppm	400 ppm
<b>Brain Degeneration</b>				
<b>LESION RATES</b>				
OVERALL (a)	0/50 (0%)	1/50 (2%)	1/50 (2%)	1/50 (2%)
POLY-3 RATE (b)	0/45.12	1/43.68	1/44.08	1/43.49
POLY-3 PERCENT (g)	0%	2.3%	2.3%	2.3%
TERMINAL (d)	0/38 (0%)	0/33 (0%)	0/37 (0%)	0/27 (0%)
FIRST INCIDENCE	---	687	729	648
<b>STATISTICAL TESTS</b>				
POLY 3	(n)	(n)	(n)	(n)
POLY 1.5	(n)	(n)	(n)	(n)
POLY 6	(n)	(n)	(n)	(n)
COCH-ARM / FISHERS	(n)	(n)	(n)	(n)
MAX-ISO-POLY-3	(n)	(n)	(n)	(n)

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Experiment Number: 10472 - 04  
 Test Type: CHRONIC  
 Route: RESPIRATORY EXPOSURE WHOLE BODY  
 Species/Strain: MICE/B6C3F1

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS  
 p-Chloro-a,a,a-trifluorotoluene  
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Date Report Requested: 03/25/2016  
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 First Dose M/F: 01/31/11 / 01/31/11  
 Lab: BNW

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MICE(B6C3F1)  
 TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Females			
	Control	100 ppm	200 ppm	400 ppm
<b>Brain Inflammation</b>				
<b>LESION RATES</b>				
OVERALL (a)	0/50 (0%)	1/50 (2%)	2/50 (4%)	0/50 (0%)
POLY-3 RATE (b)	0/45.12	1/43.68	2/44.70	0/43.19
POLY-3 PERCENT (g)	0%	2.3%	4.5%	0%
TERMINAL (d)	0/38 (0%)	0/33 (0%)	1/37 (3%)	0/27 (0%)
FIRST INCIDENCE	---	687	526	---
<b>STATISTICAL TESTS</b>				
POLY 3	P=0.632N	P=0.494	P=0.235	(e)
POLY 1.5	P=0.625N	P=0.496	P=0.234	(e)
POLY 6	P=0.643N	P=0.490	P=0.237	(e)
COCH-ARM / FISHERS	P=0.616N	P=0.500	P=0.247	(e)
MAX-ISO-POLY-3	P=0.338	P=0.158	P=0.076	(e)



Experiment Number: 10472 - 04  
 Test Type: CHRONIC  
 Route: RESPIRATORY EXPOSURE WHOLE BODY  
 Species/Strain: MICE/B6C3F1

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS  
 p-Chloro-a,a,a-trifluorotoluene  
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Date Report Requested: 03/25/2016  
 Time Report Requested: 09:19:23  
 First Dose M/F: 01/31/11 / 01/31/11  
 Lab: BNW

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MICE(B6C3F1)  
 TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Females			
	Control	100 ppm	200 ppm	400 ppm
Eye Atrophy				
<b>LESION RATES</b>				
OVERALL (a)	0/50 (0%)	0/50 (0%)	1/50 (2%)	1/50 (2%)
POLY-3 RATE (b)	0/45.12	0/43.51	1/44.07	1/43.19
POLY-3 PERCENT (g)	0%	0%	2.3%	2.3%
TERMINAL (d)	0/38 (0%)	0/33 (0%)	1/37 (3%)	1/27 (4%)
FIRST INCIDENCE	---	---	731 (T)	731 (T)
<b>STATISTICAL TESTS</b>				
POLY 3	(n)	(n)	(n)	(n)
POLY 1.5	(n)	(n)	(n)	(n)
POLY 6	(n)	(n)	(n)	(n)
COCH-ARM / FISHERS	(n)	(n)	(n)	(n)
MAX-ISO-POLY-3	(n)	(n)	(n)	(n)

Experiment Number: 10472 - 04  
 Test Type: CHRONIC  
 Route: RESPIRATORY EXPOSURE WHOLE BODY  
 Species/Strain: MICE/B6C3F1

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS  
 p-Chloro-a,a,a-trifluorotoluene  
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Date Report Requested: 03/25/2016  
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**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MICE(B6C3F1)  
 TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Females			
	Control	100 ppm	200 ppm	400 ppm
Eye Cataract				
<b>LESION RATES</b>				
OVERALL (a)	1/50 (2%)	0/50 (0%)	2/50 (4%)	1/50 (2%)
POLY-3 RATE (b)	1/45.33	0/43.51	2/44.51	1/43.19
POLY-3 PERCENT (g)	2.2%	0%	4.5%	2.3%
TERMINAL (d)	0/38 (0%)	0/33 (0%)	1/37 (3%)	1/27 (4%)
FIRST INCIDENCE	675	---	604	731 (T)
<b>STATISTICAL TESTS</b>				
POLY 3	P=0.486	P=0.508N	P=0.494	P=0.750
POLY 1.5	P=0.493	P=0.505N	P=0.494	P=0.754
POLY 6	P=0.475	P=0.513N	P=0.495	P=0.742
COCH-ARM / FISHERS	P=0.500	P=0.500N	P=0.500	P=0.753N
MAX-ISO-POLY-3	P=0.388	P=0.169N	P=0.277	P=0.486

Experiment Number: 10472 - 04  
 Test Type: CHRONIC  
 Route: RESPIRATORY EXPOSURE WHOLE BODY  
 Species/Strain: MICE/B6C3F1

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS  
 p-Chloro-a,a,a-trifluorotoluene  
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Date Report Requested: 03/25/2016  
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 First Dose M/F: 01/31/11 / 01/31/11  
 Lab: BNW

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MICE(B6C3F1)  
 TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Females			
	Control	100 ppm	200 ppm	400 ppm
Eye Inflammation				
<b>LESION RATES</b>				
OVERALL (a)	0/50 (0%)	1/50 (2%)	2/50 (4%)	2/50 (4%)
POLY-3 RATE (b)	0/45.12	1/43.51	2/44.51	2/43.19
POLY-3 PERCENT (g)	0%	2.3%	4.5%	4.6%
TERMINAL (d)	0/38 (0%)	1/33 (3%)	1/37 (3%)	2/27 (7%)
FIRST INCIDENCE	---	731 (T)	604	731 (T)
<b>STATISTICAL TESTS</b>				
POLY 3	P=0.149	P=0.493	P=0.234	P=0.227
POLY 1.5	P=0.154	P=0.495	P=0.234	P=0.232
POLY 6	P=0.142	P=0.489	P=0.236	P=0.221
COCH-ARM / FISHERS	P=0.160	P=0.500	P=0.247	P=0.247
MAX-ISO-POLY-3	P=0.159	P=0.158	P=0.076	P=0.076

Experiment Number: 10472 - 04  
Test Type: CHRONIC  
Route: RESPIRATORY EXPOSURE WHOLE BODY  
Species/Strain: MICE/B6C3F1

**P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS**

p-Chloro-a,a,a-trifluorotoluene

CAS Number: 98-56-6

Date Report Requested: 03/25/2016

Time Report Requested: 09:19:23

First Dose M/F: 01/31/11 / 01/31/11

Lab: BNW

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MICE(B6C3F1)  
TERMINAL SACRIFICE AT 105 WEEKS**

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DOSE	Females			
	Control	100 ppm	200 ppm	400 ppm
<hr/>				
Eye: Cornea Hyperplasia				
<hr/>				
<b>LESION RATES</b>				
OVERALL (a)	0/50 (0%)	0/50 (0%)	0/50 (0%)	1/50 (2%)
POLY-3 RATE (b)	0/45.12	0/43.51	0/44.07	1/43.19
POLY-3 PERCENT (g)	0%	0%	0%	2.3%
TERMINAL (d)	0/38 (0%)	0/33 (0%)	0/37 (0%)	1/27 (4%)
FIRST INCIDENCE	---	---	---	731 (T)
<hr/>				
<b>STATISTICAL TESTS</b>				
POLY 3	(n)	(n)	(n)	(n)
POLY 1.5	(n)	(n)	(n)	(n)
POLY 6	(n)	(n)	(n)	(n)
COCH-ARM / FISHERS	(n)	(n)	(n)	(n)
MAX-ISO-POLY-3	(n)	(n)	(n)	(n)

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Experiment Number: 10472 - 04  
 Test Type: CHRONIC  
 Route: RESPIRATORY EXPOSURE WHOLE BODY  
 Species/Strain: MICE/B6C3F1

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS  
 p-Chloro-a,a,a-trifluorotoluene  
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**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MICE(B6C3F1)  
 TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Females			
	Control	100 ppm	200 ppm	400 ppm
<b>Harderian Gland Hyperplasia</b>				
<b>LESION RATES</b>				
OVERALL (a)	2/50 (4%)	1/50 (2%)	0/50 (0%)	2/50 (4%)
POLY-3 RATE (b)	2/45.70	1/43.51	0/44.07	2/43.44
POLY-3 PERCENT (g)	4.4%	2.3%	0%	4.6%
TERMINAL (d)	1/38 (3%)	1/33 (3%)	0/37 (0%)	1/27 (4%)
FIRST INCIDENCE	544	731 (T)	---	663
<b>STATISTICAL TESTS</b>				
POLY 3	P=0.584	P=0.517N	P=0.245N	P=0.676
POLY 1.5	P=0.587	P=0.511N	P=0.244N	P=0.683
POLY 6	P=0.581	P=0.527N	P=0.246N	P=0.664
COCH-ARM / FISHERS	P=0.591	P=0.500N	P=0.247N	P=0.691N
MAX-ISO-POLY-3	P=0.414	P=0.299N	P=0.084N	P=0.479

Experiment Number: 10472 - 04  
 Test Type: CHRONIC  
 Route: RESPIRATORY EXPOSURE WHOLE BODY  
 Species/Strain: MICE/B6C3F1

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS  
 p-Chloro-a,a,a-trifluorotoluene  
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**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MICE(B6C3F1)  
 TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Females			
	Control	100 ppm	200 ppm	400 ppm
<b>Heart</b>				
<b>Cardiomyopathy</b>				
<b>LESION RATES</b>				
OVERALL (a)	14/50 (28%)	13/50 (26%)	8/50 (16%)	12/50 (24%)
POLY-3 RATE (b)	14/46.92	13/45.71	8/45.24	12/44.29
POLY-3 PERCENT (g)	29.8%	28.4%	17.7%	27.1%
TERMINAL (d)	10/38 (26%)	7/33 (21%)	5/37 (14%)	6/27 (22%)
FIRST INCIDENCE	493	488	503	642
<b>STATISTICAL TESTS</b>				
POLY 3	P=0.364N	P=0.532N	P=0.129N	P=0.477N
POLY 1.5	P=0.345N	P=0.522N	P=0.126N	P=0.450N
POLY 6	P=0.388N	P=0.548N	P=0.132N	P=0.512N
COCH-ARM / FISHERS	P=0.316N	P=0.500N	P=0.114N	P=0.410N
MAX-ISO-POLY-3	P=0.344N	P=0.441N	P=0.089N	P=0.387N

Experiment Number: 10472 - 04  
 Test Type: CHRONIC  
 Route: RESPIRATORY EXPOSURE WHOLE BODY  
 Species/Strain: MICE/B6C3F1

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS  
 p-Chloro-a,a,a-trifluorotoluene  
 CAS Number: 98-56-6

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**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MICE(B6C3F1)  
 TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Females			
	Control	100 ppm	200 ppm	400 ppm
<b>Heart Inflammation</b>				
<b>LESION RATES</b>				
OVERALL (a)	2/50 (4%)	3/50 (6%)	5/50 (10%)	5/50 (10%)
POLY-3 RATE (b)	2/45.85	3/44.22	5/45.30	5/44.58
POLY-3 PERCENT (g)	4.4%	6.8%	11%	11.2%
TERMINAL (d)	1/38 (3%)	1/33 (3%)	2/37 (5%)	1/27 (4%)
FIRST INCIDENCE	469	564	526	464
<b>STATISTICAL TESTS</b>				
POLY 3	P=0.140	P=0.484	P=0.211	P=0.205
POLY 1.5	P=0.144	P=0.489	P=0.210	P=0.210
POLY 6	P=0.135	P=0.476	P=0.215	P=0.197
COCH-ARM / FISHERS	P=0.148	P=0.500	P=0.218	P=0.218
MAX-ISO-POLY-3	P=0.196	P=0.312	P=0.117	P=0.114

Experiment Number: 10472 - 04  
 Test Type: CHRONIC  
 Route: RESPIRATORY EXPOSURE WHOLE BODY  
 Species/Strain: MICE/B6C3F1

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS  
 p-Chloro-a,a,a-trifluorotoluene  
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**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MICE(B6C3F1)  
 TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Females			
	Control	100 ppm	200 ppm	400 ppm
<b>Heart Necrosis</b>				
<b>LESION RATES</b>				
OVERALL (a)	0/50 (0%)	1/50 (2%)	1/50 (2%)	2/50 (4%)
POLY-3 RATE (b)	0/45.12	1/43.62	1/44.08	2/44.22
POLY-3 PERCENT (g)	0%	2.3%	2.3%	4.5%
TERMINAL (d)	0/38 (0%)	0/33 (0%)	0/37 (0%)	0/27 (0%)
FIRST INCIDENCE	---	704	729	464
<b>STATISTICAL TESTS</b>				
POLY 3	P=0.150	P=0.493	P=0.495	P=0.233
POLY 1.5	P=0.152	P=0.496	P=0.496	P=0.235
POLY 6	P=0.147	P=0.490	P=0.496	P=0.228
COCH-ARM / FISHERS	P=0.153	P=0.500	P=0.500	P=0.247
MAX-ISO-POLY-3	P=0.121	P=0.158	P=0.158	P=0.076



Experiment Number: 10472 - 04  
 Test Type: CHRONIC  
 Route: RESPIRATORY EXPOSURE WHOLE BODY  
 Species/Strain: MICE/B6C3F1

**P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS**  
 p-Chloro-a,a,a-trifluorotoluene  
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 Lab: BNW

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MICE(B6C3F1)  
 TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Females			
	Control	100 ppm	200 ppm	400 ppm
<b>Heart Thrombosis</b>				
<b>LESION RATES</b>				
OVERALL (a)	0/50 (0%)	2/50 (4%)	0/50 (0%)	2/50 (4%)
POLY-3 RATE (b)	0/45.12	2/43.79	0/44.07	2/43.78
POLY-3 PERCENT (g)	0%	4.6%	0%	4.6%
TERMINAL (d)	0/38 (0%)	0/33 (0%)	0/37 (0%)	0/27 (0%)
FIRST INCIDENCE	---	687	---	648
<b>STATISTICAL TESTS</b>				
POLY 3	P=0.238	P=0.230	(e)	P=0.230
POLY 1.5	P=0.241	P=0.233	(e)	P=0.233
POLY 6	P=0.233	P=0.227	(e)	P=0.226
COCH-ARM / FISHERS	P=0.247	P=0.247	(e)	P=0.247
MAX-ISO-POLY-3	P=0.120	P=0.076	(e)	P=0.076

Experiment Number: 10472 - 04  
 Test Type: CHRONIC  
 Route: RESPIRATORY EXPOSURE WHOLE BODY  
 Species/Strain: MICE/B6C3F1

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS  
 p-Chloro-a,a,a-trifluorotoluene  
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 First Dose M/F: 01/31/11 / 01/31/11  
 Lab: BNW

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MICE(B6C3F1)  
 TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Females			
	Control	100 ppm	200 ppm	400 ppm
<b>Intestine Large, Cecum Inflammation</b>				
<b>LESION RATES</b>				
OVERALL (a)	0/50 (0%)	0/50 (0%)	2/50 (4%)	1/50 (2%)
POLY-3 RATE (b)	0/45.12	0/43.51	2/44.79	1/43.48
POLY-3 PERCENT (g)	0%	0%	4.5%	2.3%
TERMINAL (d)	0/38 (0%)	0/33 (0%)	1/37 (3%)	0/27 (0%)
FIRST INCIDENCE	---	---	480	652
<b>STATISTICAL TESTS</b>				
POLY 3	P=0.235	(e)	P=0.235	P=0.493
POLY 1.5	P=0.240	(e)	P=0.235	P=0.496
POLY 6	P=0.228	(e)	P=0.237	P=0.488
COCH-ARM / FISHERS	P=0.246	(e)	P=0.247	P=0.500
MAX-ISO-POLY-3	P=0.178	(e)	P=0.076	P=0.158

Experiment Number: 10472 - 04  
 Test Type: CHRONIC  
 Route: RESPIRATORY EXPOSURE WHOLE BODY  
 Species/Strain: MICE/B6C3F1

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS  
 p-Chloro-a,a,a-trifluorotoluene  
 CAS Number: 98-56-6

Date Report Requested: 03/25/2016  
 Time Report Requested: 09:19:23  
 First Dose M/F: 01/31/11 / 01/31/11  
 Lab: BNW

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MICE(B6C3F1)  
 TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Females			
	Control	100 ppm	200 ppm	400 ppm
<b>Islets, Pancreatic Hyperplasia</b>				
<b>LESION RATES</b>				
OVERALL (a)	0/50 (0%)	0/50 (0%)	0/49 (0%)	1/50 (2%)
POLY-3 RATE (b)	0/45.12	0/43.51	0/43.07	1/43.25
POLY-3 PERCENT (g)	0%	0%	0%	2.3%
TERMINAL (d)	0/38 (0%)	0/33 (0%)	0/36 (0%)	0/27 (0%)
FIRST INCIDENCE	---	---	---	716
<b>STATISTICAL TESTS</b>				
POLY 3	(n)	(n)	(n)	(n)
POLY 1.5	(n)	(n)	(n)	(n)
POLY 6	(n)	(n)	(n)	(n)
COCH-ARM / FISHERS	(n)	(n)	(n)	(n)
MAX-ISO-POLY-3	(n)	(n)	(n)	(n)

Experiment Number: 10472 - 04  
 Test Type: CHRONIC  
 Route: RESPIRATORY EXPOSURE WHOLE BODY  
 Species/Strain: MICE/B6C3F1

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS  
 p-Chloro-a,a,a-trifluorotoluene  
 CAS Number: 98-56-6

Date Report Requested: 03/25/2016  
 Time Report Requested: 09:19:23  
 First Dose M/F: 01/31/11 / 01/31/11  
 Lab: BNW

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MICE(B6C3F1)  
 TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Females			
	Control	100 ppm	200 ppm	400 ppm
Kidney Cyst				
<b>LESION RATES</b>				
OVERALL (a)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
POLY-3 RATE (b)	0/45.12	0/43.51	0/44.07	0/43.19
POLY-3 PERCENT (g)	0%	0%	0%	0%
TERMINAL (d)	0/38 (0%)	0/33 (0%)	0/37 (0%)	0/27 (0%)
FIRST INCIDENCE	---	---	---	---
<b>STATISTICAL TESTS</b>				
POLY 3	(n)	(n)	(n)	(n)
POLY 1.5	(n)	(n)	(n)	(n)
POLY 6	(n)	(n)	(n)	(n)
COCH-ARM / FISHERS	(n)	(n)	(n)	(n)
MAX-ISO-POLY-3	(n)	(n)	(n)	(n)

Experiment Number: 10472 - 04  
 Test Type: CHRONIC  
 Route: RESPIRATORY EXPOSURE WHOLE BODY  
 Species/Strain: MICE/B6C3F1

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS  
 p-Chloro-a,a,a-trifluorotoluene  
 CAS Number: 98-56-6

Date Report Requested: 03/25/2016  
 Time Report Requested: 09:19:23  
 First Dose M/F: 01/31/11 / 01/31/11  
 Lab: BNW

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MICE(B6C3F1)  
 TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Females			
	Control	100 ppm	200 ppm	400 ppm
<b>Kidney Infarct</b>				
<b>LESION RATES</b>				
OVERALL (a)	7/50 (14%)	4/50 (8%)	5/50 (10%)	4/50 (8%)
POLY-3 RATE (b)	7/46.24	4/43.51	5/44.07	4/43.52
POLY-3 PERCENT (g)	15.1%	9.2%	11.3%	9.2%
TERMINAL (d)	5/38 (13%)	4/33 (12%)	5/37 (14%)	2/27 (7%)
FIRST INCIDENCE	544	731 (T)	731 (T)	648
<b>STATISTICAL TESTS</b>				
POLY 3	P=0.283N	P=0.297N	P=0.413N	P=0.296N
POLY 1.5	P=0.274N	P=0.283N	P=0.405N	P=0.282N
POLY 6	P=0.295N	P=0.317N	P=0.420N	P=0.318N
COCH-ARM / FISHERS	P=0.262N	P=0.262N	P=0.380N	P=0.262N
MAX-ISO-POLY-3	P=0.312N	P=0.204N	P=0.303N	P=0.203N

Experiment Number: 10472 - 04  
 Test Type: CHRONIC  
 Route: RESPIRATORY EXPOSURE WHOLE BODY  
 Species/Strain: MICE/B6C3F1

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS  
 p-Chloro-a,a,a-trifluorotoluene  
 CAS Number: 98-56-6

Date Report Requested: 03/25/2016  
 Time Report Requested: 09:19:23  
 First Dose M/F: 01/31/11 / 01/31/11  
 Lab: BNW

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MICE(B6C3F1)  
 TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Females			
	Control	100 ppm	200 ppm	400 ppm
<b>Kidney</b>				
<b>Metaplasia Osseous</b>				
<b>LESION RATES</b>				
OVERALL (a)	1/50 (2%)	0/50 (0%)	0/50 (0%)	2/50 (4%)
POLY-3 RATE (b)	1/45.49	0/43.51	0/44.07	2/43.19
POLY-3 PERCENT (g)	2.2%	0%	0%	4.6%
TERMINAL (d)	0/38 (0%)	0/33 (0%)	0/37 (0%)	2/27 (7%)
FIRST INCIDENCE	624	---	---	731 (T)
<b>STATISTICAL TESTS</b>				
POLY 3	P=0.243	P=0.509N	P=0.506N	P=0.482
POLY 1.5	P=0.244	P=0.506N	P=0.505N	P=0.490
POLY 6	P=0.242	P=0.514N	P=0.507N	P=0.469
COCH-ARM / FISHERS	P=0.246	P=0.500N	P=0.500N	P=0.500
MAX-ISO-POLY-3	P=0.132	P=0.170N	P=0.166N	P=0.270

Experiment Number: 10472 - 04  
 Test Type: CHRONIC  
 Route: RESPIRATORY EXPOSURE WHOLE BODY  
 Species/Strain: MICE/B6C3F1

**P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS**  
 p-Chloro-a,a,a-trifluorotoluene  
 CAS Number: 98-56-6

Date Report Requested: 03/25/2016  
 Time Report Requested: 09:19:23  
 First Dose M/F: 01/31/11 / 01/31/11  
 Lab: BNW

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MICE(B6C3F1)  
 TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Females			
	Control	100 ppm	200 ppm	400 ppm
<b>Kidney Nephropathy</b>				
<b>LESION RATES</b>				
OVERALL (a)	17/50 (34%)	17/50 (34%)	15/50 (30%)	19/50 (38%)
POLY-3 RATE (b)	17/46.77	17/45.62	15/44.78	19/45.33
POLY-3 PERCENT (g)	36.4%	37.3%	33.5%	41.9%
TERMINAL (d)	10/38 (26%)	11/33 (33%)	13/37 (35%)	11/27 (41%)
FIRST INCIDENCE	624	488	503	530
<b>STATISTICAL TESTS</b>				
POLY 3	P=0.337	P=0.550	P=0.473N	P=0.369
POLY 1.5	P=0.356	P=0.562	P=0.456N	P=0.390
POLY 6	P=0.307	P=0.521	P=0.500N	P=0.333
COCH-ARM / FISHERS	P=0.381	P=0.583N	P=0.415N	P=0.418
MAX-ISO-POLY-3	P=0.436	P=0.463	P=0.388N	P=0.295

Experiment Number: 10472 - 04  
 Test Type: CHRONIC  
 Route: RESPIRATORY EXPOSURE WHOLE BODY  
 Species/Strain: MICE/B6C3F1

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS  
 p-Chloro-a,a,a-trifluorotoluene  
 CAS Number: 98-56-6

Date Report Requested: 03/25/2016  
 Time Report Requested: 09:19:23  
 First Dose M/F: 01/31/11 / 01/31/11  
 Lab: BNW

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MICE(B6C3F1)  
 TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Females			
	Control	100 ppm	200 ppm	400 ppm
<b>Kidney Pigmentation</b>				
<b>LESION RATES</b>				
OVERALL (a)	0/50 (0%)	0/50 (0%)	1/50 (2%)	0/50 (0%)
POLY-3 RATE (b)	0/45.12	0/43.51	1/44.66	0/43.19
POLY-3 PERCENT (g)	0%	0%	2.2%	0%
TERMINAL (d)	0/38 (0%)	0/33 (0%)	0/37 (0%)	0/27 (0%)
FIRST INCIDENCE	---	---	544	---
<b>STATISTICAL TESTS</b>				
POLY 3	(n)	(n)	(n)	(n)
POLY 1.5	(n)	(n)	(n)	(n)
POLY 6	(n)	(n)	(n)	(n)
COCH-ARM / FISHERS	(n)	(n)	(n)	(n)
MAX-ISO-POLY-3	(n)	(n)	(n)	(n)



Experiment Number: 10472 - 04  
 Test Type: CHRONIC  
 Route: RESPIRATORY EXPOSURE WHOLE BODY  
 Species/Strain: MICE/B6C3F1

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS  
 p-Chloro-a,a,a-trifluorotoluene  
 CAS Number: 98-56-6

Date Report Requested: 03/25/2016  
 Time Report Requested: 09:19:23  
 First Dose M/F: 01/31/11 / 01/31/11  
 Lab: BNW

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MICE(B6C3F1)  
 TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Females			
	Control	100 ppm	200 ppm	400 ppm
<b>Larynx: Squamous Epithelium Hyperplasia</b>				
<b>LESION RATES</b>				
OVERALL (a)	9/50 (18%)	9/50 (18%)	5/49 (10%)	5/50 (10%)
POLY-3 RATE (b)	9/45.79	9/45.90	5/43.62	5/44.21
POLY-3 PERCENT (g)	19.7%	19.6%	11.5%	11.3%
TERMINAL (d)	8/38 (21%)	4/33 (12%)	3/36 (8%)	1/27 (4%)
FIRST INCIDENCE	502	488	562	464
<b>STATISTICAL TESTS</b>				
POLY 3	P=0.122N	P=0.601N	P=0.219N	P=0.211N
POLY 1.5	P=0.117N	P=0.601	P=0.218N	P=0.204N
POLY 6	P=0.130N	P=0.600N	P=0.217N	P=0.224N
COCH-ARM / FISHERS	P=0.109N	P=0.602N	P=0.205N	P=0.194N
MAX-ISO-POLY-3	P=0.195N	P=0.497N	P=0.147N	P=0.141N

Experiment Number: 10472 - 04  
 Test Type: CHRONIC  
 Route: RESPIRATORY EXPOSURE WHOLE BODY  
 Species/Strain: MICE/B6C3F1

**P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS**  
 p-Chloro-a,a,a-trifluorotoluene  
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Date Report Requested: 03/25/2016  
 Time Report Requested: 09:19:23  
 First Dose M/F: 01/31/11 / 01/31/11  
 Lab: BNW

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MICE(B6C3F1)  
 TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Females			
	Control	100 ppm	200 ppm	400 ppm
<b>Larynx: Squamous Epithelium Inflammation</b>				
<b>LESION RATES</b>				
OVERALL (a)	1/50 (2%)	4/50 (8%)	1/49 (2%)	2/50 (4%)
POLY-3 RATE (b)	1/45.79	4/44.19	1/43.07	2/43.36
POLY-3 PERCENT (g)	2.2%	9.1%	2.3%	4.6%
TERMINAL (d)	0/38 (0%)	2/33 (6%)	1/36 (3%)	1/27 (4%)
FIRST INCIDENCE	502	576	731 (T)	685
<b>STATISTICAL TESTS</b>				
POLY 3	P=0.567	P=0.168	P=0.747	P=0.481
POLY 1.5	P=0.578	P=0.172	P=0.749	P=0.489
POLY 6	P=0.551	P=0.163	P=0.746	P=0.470
COCH-ARM / FISHERS	P=0.595	P=0.181	P=0.747	P=0.500
MAX-ISO-POLY-3	P=0.390	P=0.081	P=0.482	P=0.270

Experiment Number: 10472 - 04  
 Test Type: CHRONIC  
 Route: RESPIRATORY EXPOSURE WHOLE BODY  
 Species/Strain: MICE/B6C3F1

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS  
 p-Chloro-a,a,a-trifluorotoluene  
 CAS Number: 98-56-6

Date Report Requested: 03/25/2016  
 Time Report Requested: 09:19:23  
 First Dose M/F: 01/31/11 / 01/31/11  
 Lab: BNW

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MICE(B6C3F1)  
 TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Females			
	Control	100 ppm	200 ppm	400 ppm
<b>Larynx: Squamous Epithelium Ulcer</b>				
<b>LESION RATES</b>				
OVERALL (a)	0/50 (0%)	2/50 (4%)	0/49 (0%)	0/50 (0%)
POLY-3 RATE (b)	0/45.12	2/44.14	0/43.07	0/43.19
POLY-3 PERCENT (g)	0%	4.5%	0%	0%
TERMINAL (d)	0/38 (0%)	0/33 (0%)	0/36 (0%)	0/27 (0%)
FIRST INCIDENCE	---	597	---	---
<b>STATISTICAL TESTS</b>				
POLY 3	P=0.417N	P=0.232	(e)	(e)
POLY 1.5	P=0.413N	P=0.234	(e)	(e)
POLY 6	P=0.423N	P=0.230	(e)	(e)
COCH-ARM / FISHERS	P=0.406N	P=0.247	(e)	(e)
MAX-ISO-POLY-3	P=0.265N	P=0.076	(e)	(e)

Experiment Number: 10472 - 04  
 Test Type: CHRONIC  
 Route: RESPIRATORY EXPOSURE WHOLE BODY  
 Species/Strain: MICE/B6C3F1

**P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS**  
 p-Chloro-a,a,a-trifluorotoluene  
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Date Report Requested: 03/25/2016  
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 Lab: BNW

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MICE(B6C3F1)  
 TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Females			
	Control	100 ppm	200 ppm	400 ppm
<b>Liver</b>				
<b>Basophilic Focus</b>				
<b>LESION RATES</b>				
OVERALL (a)	1/50 (2%)	4/50 (8%)	6/50 (12%)	1/50 (2%)
POLY-3 RATE (b)	1/45.12	4/43.62	6/44.79	1/43.19
POLY-3 PERCENT (g)	2.2%	9.2%	13.4%	2.3%
TERMINAL (d)	1/38 (3%)	3/33 (9%)	5/37 (14%)	1/27 (4%)
FIRST INCIDENCE	731 (T)	704	480	731 (T)
<b>STATISTICAL TESTS</b>				
POLY 3	P=0.532N	P=0.168	P=0.054	P=0.751
POLY 1.5	P=0.518N	P=0.172	P=0.054	P=0.755
POLY 6	P=0.554N	P=0.162	P=0.055	P=0.744
COCH-ARM / FISHERS	P=0.500N	P=0.181	P=0.056	P=0.753N
MAX-ISO-POLY-3	P=0.207	P=0.081	P=0.023*	P=0.487

Experiment Number: 10472 - 04  
 Test Type: CHRONIC  
 Route: RESPIRATORY EXPOSURE WHOLE BODY  
 Species/Strain: MICE/B6C3F1

**P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS**  
 p-Chloro-a,a,a-trifluorotoluene  
 CAS Number: 98-56-6

Date Report Requested: 03/25/2016  
 Time Report Requested: 09:19:23  
 First Dose M/F: 01/31/11 / 01/31/11  
 Lab: BNW

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MICE(B6C3F1)  
 TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Females			
	Control	100 ppm	200 ppm	400 ppm
<b>Liver</b>				
<b>Clear Cell Focus</b>				
<b>LESION RATES</b>				
OVERALL (a)	3/50 (6%)	3/50 (6%)	5/50 (10%)	5/50 (10%)
POLY-3 RATE (b)	3/45.12	3/43.51	5/44.79	5/43.19
POLY-3 PERCENT (g)	6.7%	6.9%	11.2%	11.6%
TERMINAL (d)	3/38 (8%)	3/33 (9%)	4/37 (11%)	5/27 (19%)
FIRST INCIDENCE	731 (T)	731 (T)	480	731 (T)
<b>STATISTICAL TESTS</b>				
POLY 3	P=0.223	P=0.646	P=0.352	P=0.332
POLY 1.5	P=0.231	P=0.651	P=0.350	P=0.343
POLY 6	P=0.210	P=0.636	P=0.356	P=0.316
COCH-ARM / FISHERS	P=0.240	P=0.661N	P=0.357	P=0.357
MAX-ISO-POLY-3	P=0.350	P=0.481	P=0.229	P=0.216

Experiment Number: 10472 - 04  
 Test Type: CHRONIC  
 Route: RESPIRATORY EXPOSURE WHOLE BODY  
 Species/Strain: MICE/B6C3F1

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS  
 p-Chloro-a,a,a-trifluorotoluene  
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 Lab: BNW

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MICE(B6C3F1)  
 TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Females			
	Control	100 ppm	200 ppm	400 ppm
<b>Liver</b>				
<b>Eosinophilic Focus</b>				
<b>LESION RATES</b>				
OVERALL (a)	4/50 (8%)	8/50 (16%)	24/50 (48%)	31/50 (62%)
POLY-3 RATE (b)	4/45.32	8/43.51	24/44.07	31/46.29
POLY-3 PERCENT (g)	8.8%	18.4%	54.5%	67%
TERMINAL (d)	3/38 (8%)	8/33 (24%)	24/37 (65%)	18/27 (67%)
FIRST INCIDENCE	676	731 (T)	731 (T)	464
<b>STATISTICAL TESTS</b>				
POLY 3	P<0.001**	P=0.156	P<0.001**	P<0.001**
POLY 1.5	P<0.001**	P=0.164	P<0.001**	P<0.001**
POLY 6	P<0.001**	P=0.144	P<0.001**	P<0.001**
COCH-ARM / FISHERS	P<0.001**	P=0.178	P<0.001**	P<0.001**
MAX-ISO-POLY-3	P<0.001**	P=0.098	P<0.001**	P<0.001**

Experiment Number: 10472 - 04  
 Test Type: CHRONIC  
 Route: RESPIRATORY EXPOSURE WHOLE BODY  
 Species/Strain: MICE/B6C3F1

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS  
 p-Chloro-a,a,a-trifluorotoluene  
 CAS Number: 98-56-6

Date Report Requested: 03/25/2016  
 Time Report Requested: 09:19:23  
 First Dose M/F: 01/31/11 / 01/31/11  
 Lab: BNW

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MICE(B6C3F1)  
 TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Females			
	Control	100 ppm	200 ppm	400 ppm
<b>Liver Inflammation</b>				
<b>LESION RATES</b>				
OVERALL (a)	1/50 (2%)	0/50 (0%)	2/50 (4%)	0/50 (0%)
POLY-3 RATE (b)	1/45.12	0/43.51	2/45.17	0/43.19
POLY-3 PERCENT (g)	2.2%	0%	4.4%	0%
TERMINAL (d)	1/38 (3%)	0/33 (0%)	0/37 (0%)	0/27 (0%)
FIRST INCIDENCE	731 (T)	---	544	---
<b>STATISTICAL TESTS</b>				
POLY 3	P=0.469N	P=0.507N	P=0.500	P=0.509N
POLY 1.5	P=0.465N	P=0.505N	P=0.497	P=0.505N
POLY 6	P=0.475N	P=0.511N	P=0.506	P=0.515N
COCH-ARM / FISHERS	P=0.461N	P=0.500N	P=0.500	P=0.500N
MAX-ISO-POLY-3	P=0.344N	P=0.168N	P=0.281	P=0.169N

Experiment Number: 10472 - 04  
 Test Type: CHRONIC  
 Route: RESPIRATORY EXPOSURE WHOLE BODY  
 Species/Strain: MICE/B6C3F1

**P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS**

p-Chloro-a,a,a-trifluorotoluene

CAS Number: 98-56-6

Date Report Requested: 03/25/2016

Time Report Requested: 09:19:23

First Dose M/F: 01/31/11 / 01/31/11

Lab: BNW

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MICE(B6C3F1)  
 TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Females			
	Control	100 ppm	200 ppm	400 ppm
<b>Liver</b>				
<b>Intrahepatocellular Erythrocytes</b>				
<b>LESION RATES</b>				
OVERALL (a)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
POLY-3 RATE (b)	0/45.12	0/43.51	0/44.07	0/43.19
POLY-3 PERCENT (g)	0%	0%	0%	0%
TERMINAL (d)	0/38 (0%)	0/33 (0%)	0/37 (0%)	0/27 (0%)
FIRST INCIDENCE	---	---	---	---
<b>STATISTICAL TESTS</b>				
POLY 3	(n)	(n)	(n)	(n)
POLY 1.5	(n)	(n)	(n)	(n)
POLY 6	(n)	(n)	(n)	(n)
COCH-ARM / FISHERS	(n)	(n)	(n)	(n)
MAX-ISO-POLY-3	(n)	(n)	(n)	(n)



Experiment Number: 10472 - 04  
 Test Type: CHRONIC  
 Route: RESPIRATORY EXPOSURE WHOLE BODY  
 Species/Strain: MICE/B6C3F1

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS  
 p-Chloro-a,a,a-trifluorotoluene  
 CAS Number: 98-56-6

Date Report Requested: 03/25/2016  
 Time Report Requested: 09:19:23  
 First Dose M/F: 01/31/11 / 01/31/11  
 Lab: BNW

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MICE(B6C3F1)  
 TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Females			
	Control	100 ppm	200 ppm	400 ppm
<b>Liver</b>				
<b>Mixed Cell Focus</b>				
<b>LESION RATES</b>				
OVERALL (a)	10/50 (20%)	5/50 (10%)	6/50 (12%)	5/50 (10%)
POLY-3 RATE (b)	10/45.38	5/43.93	6/44.07	5/43.48
POLY-3 PERCENT (g)	22%	11.4%	13.6%	11.5%
TERMINAL (d)	8/38 (21%)	4/33 (12%)	6/37 (16%)	4/27 (15%)
FIRST INCIDENCE	675	611	731 (T)	652
<b>STATISTICAL TESTS</b>				
POLY 3	P=0.153N	P=0.143N	P=0.223N	P=0.148N
POLY 1.5	P=0.149N	P=0.139N	P=0.221N	P=0.140N
POLY 6	P=0.161N	P=0.151N	P=0.223N	P=0.161N
COCH-ARM / FISHERS	P=0.143N	P=0.131N	P=0.207N	P=0.131N
MAX-ISO-POLY-3	P=0.133N	P=0.092N	P=0.152N	P=0.096N

Experiment Number: 10472 - 04  
 Test Type: CHRONIC  
 Route: RESPIRATORY EXPOSURE WHOLE BODY  
 Species/Strain: MICE/B6C3F1

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS  
 p-Chloro-a,a,a-trifluorotoluene  
 CAS Number: 98-56-6

Date Report Requested: 03/25/2016  
 Time Report Requested: 09:19:23  
 First Dose M/F: 01/31/11 / 01/31/11  
 Lab: BNW

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MICE(B6C3F1)  
 TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Females			
	Control	100 ppm	200 ppm	400 ppm
Liver Regeneration				
<b>LESION RATES</b>				
OVERALL (a)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
POLY-3 RATE (b)	0/45.12	0/43.51	0/44.07	0/43.19
POLY-3 PERCENT (g)	0%	0%	0%	0%
TERMINAL (d)	0/38 (0%)	0/33 (0%)	0/37 (0%)	0/27 (0%)
FIRST INCIDENCE	---	---	---	---
<b>STATISTICAL TESTS</b>				
POLY 3	(n)	(n)	(n)	(n)
POLY 1.5	(n)	(n)	(n)	(n)
POLY 6	(n)	(n)	(n)	(n)
COCH-ARM / FISHERS	(n)	(n)	(n)	(n)
MAX-ISO-POLY-3	(n)	(n)	(n)	(n)

Experiment Number: 10472 - 04  
 Test Type: CHRONIC  
 Route: RESPIRATORY EXPOSURE WHOLE BODY  
 Species/Strain: MICE/B6C3F1

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS  
 p-Chloro-a,a,a-trifluorotoluene  
 CAS Number: 98-56-6

Date Report Requested: 03/25/2016  
 Time Report Requested: 09:19:23  
 First Dose M/F: 01/31/11 / 01/31/11  
 Lab: BNW

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MICE(B6C3F1)  
 TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Females			
	Control	100 ppm	200 ppm	400 ppm
<b>Liver: Hepatocyte Multinucleated</b>				
<b>LESION RATES</b>				
OVERALL (a)	0/50 (0%)	2/50 (4%)	2/50 (4%)	25/50 (50%)
POLY-3 RATE (b)	0/45.12	2/44.10	2/44.08	25/47.96
POLY-3 PERCENT (g)	0%	4.5%	4.5%	52.1%
TERMINAL (d)	0/38 (0%)	1/33 (3%)	1/37 (3%)	10/27 (37%)
FIRST INCIDENCE	---	545	729	374
<b>STATISTICAL TESTS</b>				
POLY 3	P<0.001**	P=0.232	P=0.232	P<0.001**
POLY 1.5	P<0.001**	P=0.234	P=0.232	P<0.001**
POLY 6	P<0.001**	P=0.229	P=0.232	P<0.001**
COCH-ARM / FISHERS	P<0.001**	P=0.247	P=0.247	P<0.001**
MAX-ISO-POLY-3	P<0.001**	P=0.076	P=0.076	P<0.001**

Experiment Number: 10472 - 04  
 Test Type: CHRONIC  
 Route: RESPIRATORY EXPOSURE WHOLE BODY  
 Species/Strain: MICE/B6C3F1

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS  
 p-Chloro-a,a,a-trifluorotoluene  
 CAS Number: 98-56-6

Date Report Requested: 03/25/2016  
 Time Report Requested: 09:19:23  
 First Dose M/F: 01/31/11 / 01/31/11  
 Lab: BNW

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MICE(B6C3F1)  
 TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Females			
	Control	100 ppm	200 ppm	400 ppm
<b>Liver: Hepatocyte Necrosis</b>				
<b>LESION RATES</b>				
OVERALL (a)	2/50 (4%)	1/50 (2%)	3/50 (6%)	10/50 (20%)
POLY-3 RATE (b)	2/45.32	1/44.10	3/44.70	10/46.14
POLY-3 PERCENT (g)	4.4%	2.3%	6.7%	21.7%
TERMINAL (d)	1/38 (3%)	0/33 (0%)	0/37 (0%)	2/27 (7%)
FIRST INCIDENCE	676	545	544	374
<b>STATISTICAL TESTS</b>				
POLY 3	P<0.001**	P=0.510N	P=0.494	P=0.014*
POLY 1.5	P<0.001**	P=0.506N	P=0.493	P=0.014*
POLY 6	P<0.001**	P=0.516N	P=0.496	P=0.014*
COCH-ARM / FISHERS	P<0.001**	P=0.500N	P=0.500	P=0.014*
MAX-ISO-POLY-3	P<0.001**	P=0.291N	P=0.319	P=0.007**

Experiment Number: 10472 - 04  
 Test Type: CHRONIC  
 Route: RESPIRATORY EXPOSURE WHOLE BODY  
 Species/Strain: MICE/B6C3F1

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS  
 p-Chloro-a,a,a-trifluorotoluene  
 CAS Number: 98-56-6

Date Report Requested: 03/25/2016  
 Time Report Requested: 09:19:23  
 First Dose M/F: 01/31/11 / 01/31/11  
 Lab: BNW

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MICE(B6C3F1)  
 TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Females			
	Control	100 ppm	200 ppm	400 ppm
<b>Liver: Hepatocyte, Centrilobular Hypertrophy</b>				
<b>LESION RATES</b>				
OVERALL (a)	0/50 (0%)	4/50 (8%)	5/50 (10%)	40/50 (80%)
POLY-3 RATE (b)	0/45.12	4/44.47	5/44.75	40/47.08
POLY-3 PERCENT (g)	0%	9%	11.2%	85%
TERMINAL (d)	0/38 (0%)	2/33 (6%)	4/37 (11%)	25/27 (93%)
FIRST INCIDENCE	---	578	503	464
<b>STATISTICAL TESTS</b>				
POLY 3	P<0.001**	P=0.058	P=0.030*	P<0.001**
POLY 1.5	P<0.001**	P=0.059	P=0.030*	P<0.001**
POLY 6	P<0.001**	P=0.057	P=0.030*	P<0.001**
COCH-ARM / FISHERS	P<0.001**	P=0.059	P=0.028*	P<0.001**
MAX-ISO-POLY-3	P<0.001**	P=0.019*	P=0.010**	P<0.001**

Experiment Number: 10472 - 04  
 Test Type: CHRONIC  
 Route: RESPIRATORY EXPOSURE WHOLE BODY  
 Species/Strain: MICE/B6C3F1

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS  
 p-Chloro-a,a,a-trifluorotoluene  
 CAS Number: 98-56-6

Date Report Requested: 03/25/2016  
 Time Report Requested: 09:19:23  
 First Dose M/F: 01/31/11 / 01/31/11  
 Lab: BNW

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MICE(B6C3F1)  
 TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Females			
	Control	100 ppm	200 ppm	400 ppm
<b>Lung Hemorrhage</b>				
<b>LESION RATES</b>				
OVERALL (a)	0/50 (0%)	3/50 (6%)	0/50 (0%)	1/50 (2%)
POLY-3 RATE (b)	0/45.12	3/43.78	0/44.07	1/43.48
POLY-3 PERCENT (g)	0%	6.9%	0%	2.3%
TERMINAL (d)	0/38 (0%)	2/33 (6%)	0/37 (0%)	0/27 (0%)
FIRST INCIDENCE	---	659	---	652
<b>STATISTICAL TESTS</b>				
POLY 3	P=0.617	P=0.113	(e)	P=0.493
POLY 1.5	P=0.624	P=0.115	(e)	P=0.496
POLY 6	P=0.607	P=0.110	(e)	P=0.488
COCH-ARM / FISHERS	P=0.634	P=0.121	(e)	P=0.500
MAX-ISO-POLY-3	P=0.275	P=0.038*	(e)	P=0.158

Experiment Number: 10472 - 04  
 Test Type: CHRONIC  
 Route: RESPIRATORY EXPOSURE WHOLE BODY  
 Species/Strain: MICE/B6C3F1

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS  
 p-Chloro-a,a,a-trifluorotoluene  
 CAS Number: 98-56-6

Date Report Requested: 03/25/2016  
 Time Report Requested: 09:19:23  
 First Dose M/F: 01/31/11 / 01/31/11  
 Lab: BNW

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MICE(B6C3F1)  
 TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Females			
	Control	100 ppm	200 ppm	400 ppm
<b>Lung Inflammation</b>				
<b>LESION RATES</b>				
OVERALL (a)	2/50 (4%)	1/50 (2%)	1/50 (2%)	3/50 (6%)
POLY-3 RATE (b)	2/45.49	1/43.62	1/44.07	3/43.98
POLY-3 PERCENT (g)	4.4%	2.3%	2.3%	6.8%
TERMINAL (d)	1/38 (3%)	0/33 (0%)	1/37 (3%)	1/27 (4%)
FIRST INCIDENCE	624	704	731 (T)	464
<b>STATISTICAL TESTS</b>				
POLY 3	P=0.320	P=0.515N	P=0.511N	P=0.485
POLY 1.5	P=0.323	P=0.509N	P=0.509N	P=0.492
POLY 6	P=0.314	P=0.523N	P=0.512N	P=0.472
COCH-ARM / FISHERS	P=0.324	P=0.500N	P=0.500N	P=0.500
MAX-ISO-POLY-3	P=0.292	P=0.297N	P=0.293N	P=0.313

Experiment Number: 10472 - 04  
 Test Type: CHRONIC  
 Route: RESPIRATORY EXPOSURE WHOLE BODY  
 Species/Strain: MICE/B6C3F1

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS  
 p-Chloro-a,a,a-trifluorotoluene  
 CAS Number: 98-56-6

Date Report Requested: 03/25/2016  
 Time Report Requested: 09:19:23  
 First Dose M/F: 01/31/11 / 01/31/11  
 Lab: BNW

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MICE(B6C3F1)  
 TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Females			
	Control	100 ppm	200 ppm	400 ppm
<b>Lung Thrombosis</b>				
<b>LESION RATES</b>				
OVERALL (a)	0/50 (0%)	3/50 (6%)	2/50 (4%)	1/50 (2%)
POLY-3 RATE (b)	0/45.12	3/43.62	2/44.75	1/43.93
POLY-3 PERCENT (g)	0%	6.9%	4.5%	2.3%
TERMINAL (d)	0/38 (0%)	2/33 (6%)	1/37 (3%)	0/27 (0%)
FIRST INCIDENCE	---	704	503	464
<b>STATISTICAL TESTS</b>				
POLY 3	P=0.540	P=0.113	P=0.235	P=0.495
POLY 1.5	P=0.547	P=0.115	P=0.235	P=0.497
POLY 6	P=0.526	P=0.109	P=0.237	P=0.490
COCH-ARM / FISHERS	P=0.556	P=0.121	P=0.247	P=0.500
MAX-ISO-POLY-3	P=0.193	P=0.038*	P=0.076	P=0.158



Experiment Number: 10472 - 04  
 Test Type: CHRONIC  
 Route: RESPIRATORY EXPOSURE WHOLE BODY  
 Species/Strain: MICE/B6C3F1

**P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS**

p-Chloro-a,a,a-trifluorotoluene

CAS Number: 98-56-6

Date Report Requested: 03/25/2016

Time Report Requested: 09:19:23

First Dose M/F: 01/31/11 / 01/31/11

Lab: BNW

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MICE(B6C3F1)  
 TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Females			
	Control	100 ppm	200 ppm	400 ppm
<b>Lung: Alveolar Epithelium Hyperplasia</b>				
<b>LESION RATES</b>				
OVERALL (a)	0/50 (0%)	2/50 (4%)	2/50 (4%)	0/50 (0%)
POLY-3 RATE (b)	0/45.12	2/44.20	2/44.07	0/43.19
POLY-3 PERCENT (g)	0%	4.5%	4.5%	0%
TERMINAL (d)	0/38 (0%)	0/33 (0%)	2/37 (5%)	0/27 (0%)
FIRST INCIDENCE	---	545	731 (T)	---
<b>STATISTICAL TESTS</b>				
POLY 3	P=0.521N	P=0.233	P=0.232	(e)
POLY 1.5	P=0.512N	P=0.234	P=0.232	(e)
POLY 6	P=0.534N	P=0.230	P=0.232	(e)
COCH-ARM / FISHERS	P=0.500N	P=0.247	P=0.247	(e)
MAX-ISO-POLY-3	P=0.279	P=0.076	P=0.076	(e)

Experiment Number: 10472 - 04  
 Test Type: CHRONIC  
 Route: RESPIRATORY EXPOSURE WHOLE BODY  
 Species/Strain: MICE/B6C3F1

**P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS**  
 p-Chloro-a,a,a-trifluorotoluene  
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Date Report Requested: 03/25/2016  
 Time Report Requested: 09:19:23  
 First Dose M/F: 01/31/11 / 01/31/11  
 Lab: BNW

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MICE(B6C3F1)  
 TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Females			
	Control	100 ppm	200 ppm	400 ppm
<b>Lung: Alveolar/Bronchiolar Epithelium Hyperplasia</b>				
<b>LESION RATES</b>				
OVERALL (a)	0/50 (0%)	49/50 (98%)	49/50 (98%)	50/50 (100%)
POLY-3 RATE (b)	0/45.12	49/49.03	49/49.00	50/50.00
POLY-3 PERCENT (g)	0%	99.9%	100%	100%
TERMINAL (d)	0/38 (0%)	33/33 (100%)	37/37 (100%)	27/27 (100%)
FIRST INCIDENCE	---	488	480	374
<b>STATISTICAL TESTS</b>				
POLY 3	P<0.001**	P<0.001**	P<0.001**	P<0.001**
POLY 1.5	P<0.001**	P<0.001**	P<0.001**	P<0.001**
POLY 6	P<0.001**	P<0.001**	P<0.001**	P<0.001**
COCH-ARM / FISHERS	P<0.001**	P<0.001**	P<0.001**	P<0.001**
MAX-ISO-POLY-3	P<0.001**	P<0.001**	P<0.001**	P<0.001**

Experiment Number: 10472 - 04  
 Test Type: CHRONIC  
 Route: RESPIRATORY EXPOSURE WHOLE BODY  
 Species/Strain: MICE/B6C3F1

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS  
 p-Chloro-a,a,a-trifluorotoluene  
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 Lab: BNW

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MICE(B6C3F1)  
 TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Females			
	Control	100 ppm	200 ppm	400 ppm
<b>Lung: Alveolus Infiltration Cellular Histiocyte</b>				
<b>LESION RATES</b>				
OVERALL (a)	0/50 (0%)	3/50 (6%)	3/50 (6%)	2/50 (4%)
POLY-3 RATE (b)	0/45.12	3/43.78	3/45.07	2/43.19
POLY-3 PERCENT (g)	0%	6.9%	6.7%	4.6%
TERMINAL (d)	0/38 (0%)	1/33 (3%)	2/37 (5%)	2/27 (7%)
FIRST INCIDENCE	---	690	103	731 (T)
<b>STATISTICAL TESTS</b>				
POLY 3	P=0.289	P=0.113	P=0.118	P=0.227
POLY 1.5	P=0.299	P=0.115	P=0.119	P=0.232
POLY 6	P=0.273	P=0.110	P=0.119	P=0.221
COCH-ARM / FISHERS	P=0.313	P=0.121	P=0.121	P=0.247
MAX-ISO-POLY-3	P=0.143	P=0.038*	P=0.038*	P=0.076

Experiment Number: 10472 - 04  
 Test Type: CHRONIC  
 Route: RESPIRATORY EXPOSURE WHOLE BODY  
 Species/Strain: MICE/B6C3F1

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS  
 p-Chloro-a,a,a-trifluorotoluene  
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 Lab: BNW

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MICE(B6C3F1)  
 TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Females			
	Control	100 ppm	200 ppm	400 ppm
<b>Lung: Bronchiole, Epithelium Hyperplasia</b>				
<b>LESION RATES</b>				
OVERALL (a)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
POLY-3 RATE (b)	0/45.12	0/43.51	0/44.07	0/43.19
POLY-3 PERCENT (g)	0%	0%	0%	0%
TERMINAL (d)	0/38 (0%)	0/33 (0%)	0/37 (0%)	0/27 (0%)
FIRST INCIDENCE	---	---	---	---
<b>STATISTICAL TESTS</b>				
POLY 3	(n)	(n)	(n)	(n)
POLY 1.5	(n)	(n)	(n)	(n)
POLY 6	(n)	(n)	(n)	(n)
COCH-ARM / FISHERS	(n)	(n)	(n)	(n)
MAX-ISO-POLY-3	(n)	(n)	(n)	(n)

Experiment Number: 10472 - 04  
 Test Type: CHRONIC  
 Route: RESPIRATORY EXPOSURE WHOLE BODY  
 Species/Strain: MICE/B6C3F1

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS  
 p-Chloro-a,a,a-trifluorotoluene  
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Date Report Requested: 03/25/2016  
 Time Report Requested: 09:19:23  
 First Dose M/F: 01/31/11 / 01/31/11  
 Lab: BNW

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MICE(B6C3F1)  
 TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Females			
	Control	100 ppm	200 ppm	400 ppm
<b>Lung: Peribronchiolar Fibrosis</b>				
<b>LESION RATES</b>				
OVERALL (a)	0/50 (0%)	44/50 (88%)	44/50 (88%)	48/50 (96%)
POLY-3 RATE (b)	0/45.12	44/47.64	44/47.93	48/49.66
POLY-3 PERCENT (g)	0%	92.4%	91.8%	96.7%
TERMINAL (d)	0/38 (0%)	31/33 (94%)	36/37 (97%)	27/27 (100%)
FIRST INCIDENCE	---	545	480	374
<b>STATISTICAL TESTS</b>				
POLY 3	P<0.001**	P<0.001**	P<0.001**	P<0.001**
POLY 1.5	P<0.001**	P<0.001**	P<0.001**	P<0.001**
POLY 6	P<0.001**	P<0.001**	P<0.001**	P<0.001**
COCH-ARM / FISHERS	P<0.001**	P<0.001**	P<0.001**	P<0.001**
MAX-ISO-POLY-3	P<0.001**	P<0.001**	P<0.001**	P<0.001**

Experiment Number: 10472 - 04  
 Test Type: CHRONIC  
 Route: RESPIRATORY EXPOSURE WHOLE BODY  
 Species/Strain: MICE/B6C3F1

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS  
 p-Chloro-a,a,a-trifluorotoluene  
 CAS Number: 98-56-6

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 First Dose M/F: 01/31/11 / 01/31/11  
 Lab: BNW

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MICE(B6C3F1)  
 TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Females			
	Control	100 ppm	200 ppm	400 ppm
<b>Lymph Node, Mandibular Hyperplasia Lymphoid</b>				
<b>LESION RATES</b>				
OVERALL (a)	2/47 (4%)	0/42 (0%)	2/49 (4%)	2/46 (4%)
POLY-3 RATE (b)	2/42.95	0/36.50	2/43.51	2/40.84
POLY-3 PERCENT (g)	4.7%	0%	4.6%	4.9%
TERMINAL (d)	1/36 (3%)	0/27 (0%)	1/36 (3%)	0/25 (0%)
FIRST INCIDENCE	544	---	604	374
<b>STATISTICAL TESTS</b>				
POLY 3	P=0.451	P=0.274N	P=0.689N	P=0.676
POLY 1.5	P=0.452	P=0.270N	P=0.688N	P=0.681
POLY 6	P=0.447	P=0.282N	P=0.690N	P=0.667
COCH-ARM / FISHERS	P=0.452	P=0.276N	P=0.676N	P=0.683
MAX-ISO-POLY-3	P=0.457	P=0.105N	P=0.494N	P=0.479

Experiment Number: 10472 - 04  
 Test Type: CHRONIC  
 Route: RESPIRATORY EXPOSURE WHOLE BODY  
 Species/Strain: MICE/B6C3F1

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS  
 p-Chloro-a,a,a-trifluorotoluene  
 CAS Number: 98-56-6

Date Report Requested: 03/25/2016  
 Time Report Requested: 09:19:23  
 First Dose M/F: 01/31/11 / 01/31/11  
 Lab: BNW

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MICE(B6C3F1)  
 TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Females			
	Control	100 ppm	200 ppm	400 ppm
<b>Lymph Node, Mesenteric Angiectasis</b>				
<b>LESION RATES</b>				
OVERALL (a)	0/50 (0%)	2/49 (4%)	1/49 (2%)	0/50 (0%)
POLY-3 RATE (b)	0/45.12	2/42.51	1/43.07	0/43.19
POLY-3 PERCENT (g)	0%	4.7%	2.3%	0%
TERMINAL (d)	0/38 (0%)	2/32 (6%)	1/36 (3%)	0/27 (0%)
FIRST INCIDENCE	---	731 (T)	731 (T)	---
<b>STATISTICAL TESTS</b>				
POLY 3	P=0.478N	P=0.224	P=0.491	(e)
POLY 1.5	P=0.470N	P=0.227	P=0.491	(e)
POLY 6	P=0.489N	P=0.219	P=0.491	(e)
COCH-ARM / FISHERS	P=0.460N	P=0.242	P=0.495	(e)
MAX-ISO-POLY-3	P=0.331	P=0.075	P=0.157	(e)

Experiment Number: 10472 - 04  
 Test Type: CHRONIC  
 Route: RESPIRATORY EXPOSURE WHOLE BODY  
 Species/Strain: MICE/B6C3F1

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS  
 p-Chloro-a,a,a-trifluorotoluene  
 CAS Number: 98-56-6

Date Report Requested: 03/25/2016  
 Time Report Requested: 09:19:23  
 First Dose M/F: 01/31/11 / 01/31/11  
 Lab: BNW

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MICE(B6C3F1)  
 TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Females			
	Control	100 ppm	200 ppm	400 ppm
<b>Lymph Node, Mesenteric Hematopoietic Cell Proliferation</b>				
<b>LESION RATES</b>				
OVERALL (a)	0/50 (0%)	0/49 (0%)	0/49 (0%)	0/50 (0%)
POLY-3 RATE (b)	0/45.12	0/42.51	0/43.07	0/43.19
POLY-3 PERCENT (g)	0%	0%	0%	0%
TERMINAL (d)	0/38 (0%)	0/32 (0%)	0/36 (0%)	0/27 (0%)
FIRST INCIDENCE	---	---	---	---
<b>STATISTICAL TESTS</b>				
POLY 3	(n)	(n)	(n)	(n)
POLY 1.5	(n)	(n)	(n)	(n)
POLY 6	(n)	(n)	(n)	(n)
COCH-ARM / FISHERS	(n)	(n)	(n)	(n)
MAX-ISO-POLY-3	(n)	(n)	(n)	(n)



Experiment Number: 10472 - 04  
 Test Type: CHRONIC  
 Route: RESPIRATORY EXPOSURE WHOLE BODY  
 Species/Strain: MICE/B6C3F1

**P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS**  
 p-Chloro-a,a,a-trifluorotoluene  
 CAS Number: 98-56-6

Date Report Requested: 03/25/2016  
 Time Report Requested: 09:19:23  
 First Dose M/F: 01/31/11 / 01/31/11  
 Lab: BNW

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MICE(B6C3F1)  
 TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Females			
	Control	100 ppm	200 ppm	400 ppm
<b>Lymph Node, Mesenteric Hyperplasia Lymphoid</b>				
<b>LESION RATES</b>				
OVERALL (a)	3/50 (6%)	1/49 (2%)	2/49 (4%)	2/50 (4%)
POLY-3 RATE (b)	3/45.12	1/42.51	2/43.53	2/43.51
POLY-3 PERCENT (g)	6.7%	2.4%	4.6%	4.6%
TERMINAL (d)	3/38 (8%)	1/32 (3%)	1/36 (3%)	1/27 (4%)
FIRST INCIDENCE	731 (T)	731 (T)	595	642
<b>STATISTICAL TESTS</b>				
POLY 3	P=0.503N	P=0.327N	P=0.516N	P=0.517N
POLY 1.5	P=0.501N	P=0.322N	P=0.517N	P=0.510N
POLY 6	P=0.506N	P=0.335N	P=0.513N	P=0.527N
COCH-ARM / FISHERS	P=0.498N	P=0.316N	P=0.510N	P=0.500N
MAX-ISO-POLY-3	P=0.433N	P=0.175N	P=0.340N	P=0.341N

Experiment Number: 10472 - 04  
 Test Type: CHRONIC  
 Route: RESPIRATORY EXPOSURE WHOLE BODY  
 Species/Strain: MICE/B6C3F1

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS  
 p-Chloro-a,a,a-trifluorotoluene  
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Date Report Requested: 03/25/2016  
 Time Report Requested: 09:19:23  
 First Dose M/F: 01/31/11 / 01/31/11  
 Lab: BNW

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MICE(B6C3F1)  
 TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Females			
	Control	100 ppm	200 ppm	400 ppm
<b>Lymph Node, Mesenteric Infiltration Cellular Histiocyte</b>				
<b>LESION RATES</b>				
OVERALL (a)	0/50 (0%)	0/49 (0%)	0/49 (0%)	0/50 (0%)
POLY-3 RATE (b)	0/45.12	0/42.51	0/43.07	0/43.19
POLY-3 PERCENT (g)	0%	0%	0%	0%
TERMINAL (d)	0/38 (0%)	0/32 (0%)	0/36 (0%)	0/27 (0%)
FIRST INCIDENCE	---	---	---	---
<b>STATISTICAL TESTS</b>				
POLY 3	(n)	(n)	(n)	(n)
POLY 1.5	(n)	(n)	(n)	(n)
POLY 6	(n)	(n)	(n)	(n)
COCH-ARM / FISHERS	(n)	(n)	(n)	(n)
MAX-ISO-POLY-3	(n)	(n)	(n)	(n)

Experiment Number: 10472 - 04  
 Test Type: CHRONIC  
 Route: RESPIRATORY EXPOSURE WHOLE BODY  
 Species/Strain: MICE/B6C3F1

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS  
 p-Chloro-a,a,a-trifluorotoluene  
 CAS Number: 98-56-6

Date Report Requested: 03/25/2016  
 Time Report Requested: 09:19:23  
 First Dose M/F: 01/31/11 / 01/31/11  
 Lab: BNW

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MICE(B6C3F1)  
 TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Females			
	Control	100 ppm	200 ppm	400 ppm
<b>Lymph Node: Iliac Angiectasis</b>				
<b>LESION RATES</b>				
OVERALL (a)	0/2 (0%)	0/3 (0%)	0/4 (0%)	2/7 (29%)
POLY-3 RATE (b)	0/1.09	0/2.22	0/4.00	2/6.55
POLY-3 PERCENT (g)	0%	0%	0%	30.6%
TERMINAL (d)	0/0 (0%)	0/1 (0%)	0/3 (0%)	0/3 (0%)
FIRST INCIDENCE	---	---	---	570
<b>STATISTICAL TESTS</b>				
POLY 3	P=0.195	(e)	(e)	P=0.648
POLY 1.5	P=0.176	(e)	(e)	P=0.604
POLY 6	P=0.216	(e)	(e)	P=0.701
COCH-ARM / FISHERS	P=0.142	(e)	(e)	P=0.583
MAX-ISO-POLY-3	P=0.314	(e)	(e)	P=0.352

Experiment Number: 10472 - 04  
Test Type: CHRONIC  
Route: RESPIRATORY EXPOSURE WHOLE BODY  
Species/Strain: MICE/B6C3F1

**P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS**

p-Chloro-a,a,a-trifluorotoluene

CAS Number: 98-56-6

Date Report Requested: 03/25/2016

Time Report Requested: 09:19:23

First Dose M/F: 01/31/11 / 01/31/11

Lab: BNW

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MICE(B6C3F1)  
TERMINAL SACRIFICE AT 105 WEEKS**

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DOSE	Females			
	Control	100 ppm	200 ppm	400 ppm
<hr/>				
Lymph Node: Renal Ectasia				
<hr/>				
<b>LESION RATES</b>				
OVERALL (a)	0/2 (0%)	0/3 (0%)	0/4 (0%)	2/7 (29%)
POLY-3 RATE (b)	0/1.09	0/2.22	0/4.00	2/6.20
POLY-3 PERCENT (g)	0%	0%	0%	32.3%
TERMINAL (d)	0/0 (0%)	0/1 (0%)	0/3 (0%)	1/3 (33%)
FIRST INCIDENCE	---	---	---	669
<hr/>				
<b>STATISTICAL TESTS</b>				
POLY 3	P=0.181	(e)	(e)	P=0.642
POLY 1.5	P=0.169	(e)	(e)	P=0.598
POLY 6	P=0.195	(e)	(e)	P=0.697
COCH-ARM / FISHERS	P=0.142	(e)	(e)	P=0.583
MAX-ISO-POLY-3	P=0.293	(e)	(e)	P=0.342

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Experiment Number: 10472 - 04  
 Test Type: CHRONIC  
 Route: RESPIRATORY EXPOSURE WHOLE BODY  
 Species/Strain: MICE/B6C3F1

**P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS**

p-Chloro-a,a,a-trifluorotoluene

CAS Number: 98-56-6

Date Report Requested: 03/25/2016

Time Report Requested: 09:19:23

First Dose M/F: 01/31/11 / 01/31/11

Lab: BNW

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MICE(B6C3F1)  
 TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Females			
	Control	100 ppm	200 ppm	400 ppm
<b>Mammary Gland Hyperplasia</b>				
<b>LESION RATES</b>				
OVERALL (a)	5/49 (10%)	7/50 (14%)	2/50 (4%)	1/50 (2%)
POLY-3 RATE (b)	5/44.12	7/43.79	2/44.07	1/43.19
POLY-3 PERCENT (g)	11.3%	16%	4.5%	2.3%
TERMINAL (d)	5/37 (14%)	6/33 (18%)	2/37 (5%)	1/27 (4%)
FIRST INCIDENCE	731 (T)	654	731 (T)	731 (T)
<b>STATISTICAL TESTS</b>				
POLY 3	P=0.032N*	P=0.373	P=0.216N	P=0.106N
POLY 1.5	P=0.030N*	P=0.380	P=0.216N	P=0.102N
POLY 6	P=0.034N*	P=0.362	P=0.214N	P=0.112N
COCH-ARM / FISHERS	P=0.030N*	P=0.394	P=0.210N	P=0.098N
MAX-ISO-POLY-3	P=0.046N*	P=0.266	P=0.121N	P=0.049N*

Experiment Number: 10472 - 04  
 Test Type: CHRONIC  
 Route: RESPIRATORY EXPOSURE WHOLE BODY  
 Species/Strain: MICE/B6C3F1

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS  
 p-Chloro-a,a,a-trifluorotoluene  
 CAS Number: 98-56-6

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 Lab: BNW

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MICE(B6C3F1)  
 TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Females			
	Control	100 ppm	200 ppm	400 ppm
<b>Mesentery: Fat Necrosis</b>				
<b>LESION RATES</b>				
OVERALL (a)	8/9 (89%)	9/13 (69%)	15/15 (100%)	12/12 (100%)
POLY-3 RATE (b)	8/9.00	9/11.33	15/15.00	12/12.00
POLY-3 PERCENT (g)	88.9%	79.4%	100%	100%
TERMINAL (d)	6/7 (86%)	8/9 (89%)	13/13 (100%)	8/8 (100%)
FIRST INCIDENCE	676	703	723	596
<b>STATISTICAL TESTS</b>				
POLY 3	P=0.095	P=0.513N	P=0.397	P=0.442
POLY 1.5	P=0.076	P=0.403N	P=0.397	P=0.442
POLY 6	P=0.132	P=0.660N	P=0.397	P=0.442
COCH-ARM / FISHERS	P=0.074	P=0.293N	P=0.375	P=0.429
MAX-ISO-POLY-3	P=0.087	P=0.275N	P=0.121	P=0.137

Experiment Number: 10472 - 04  
 Test Type: CHRONIC  
 Route: RESPIRATORY EXPOSURE WHOLE BODY  
 Species/Strain: MICE/B6C3F1

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS  
 p-Chloro-a,a,a-trifluorotoluene  
 CAS Number: 98-56-6

Date Report Requested: 03/25/2016  
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 First Dose M/F: 01/31/11 / 01/31/11  
 Lab: BNW

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MICE(B6C3F1)  
 TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Females			
	Control	100 ppm	200 ppm	400 ppm
<b>Nose Inflammation</b>				
<b>LESION RATES</b>				
OVERALL (a)	5/50 (10%)	5/50 (10%)	5/50 (10%)	6/50 (12%)
POLY-3 RATE (b)	5/45.12	5/44.19	5/44.66	6/43.25
POLY-3 PERCENT (g)	11.1%	11.3%	11.2%	13.9%
TERMINAL (d)	5/38 (13%)	3/33 (9%)	4/37 (11%)	5/27 (19%)
FIRST INCIDENCE	731 (T)	611	544	716
<b>STATISTICAL TESTS</b>				
POLY 3	P=0.396	P=0.618	P=0.624	P=0.470
POLY 1.5	P=0.408	P=0.621	P=0.621	P=0.483
POLY 6	P=0.379	P=0.612	P=0.630	P=0.450
COCH-ARM / FISHERS	P=0.423	P=0.630N	P=0.630N	P=0.500
MAX-ISO-POLY-3	P=0.548	P=0.486	P=0.493	P=0.348

Experiment Number: 10472 - 04  
 Test Type: CHRONIC  
 Route: RESPIRATORY EXPOSURE WHOLE BODY  
 Species/Strain: MICE/B6C3F1

**P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS**

p-Chloro-a,a,a-trifluorotoluene

CAS Number: 98-56-6

Date Report Requested: 03/25/2016

Time Report Requested: 09:19:23

First Dose M/F: 01/31/11 / 01/31/11

Lab: BNW

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MICE(B6C3F1)  
 TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Females			
	Control	100 ppm	200 ppm	400 ppm
<b>Nose: Olfactory Epithelium Accumulation, Hyaline Droplet</b>				
<b>LESION RATES</b>				
OVERALL (a)	15/50 (30%)	14/50 (28%)	14/50 (28%)	8/50 (16%)
POLY-3 RATE (b)	15/45.37	14/45.55	14/45.66	8/44.69
POLY-3 PERCENT (g)	33.1%	30.7%	30.7%	17.9%
TERMINAL (d)	14/38 (37%)	8/33 (24%)	10/37 (27%)	2/27 (7%)
FIRST INCIDENCE	664	564	480	570
<b>STATISTICAL TESTS</b>				
POLY 3	P=0.061N	P=0.495N	P=0.492N	P=0.077N
POLY 1.5	P=0.060N	P=0.501N	P=0.505N	P=0.077N
POLY 6	P=0.063N	P=0.488N	P=0.471N	P=0.079N
COCH-ARM / FISHERS	P=0.059N	P=0.500N	P=0.500N	P=0.077N
MAX-ISO-POLY-3	P=0.086N	P=0.404N	P=0.401N	P=0.048N*



Experiment Number: 10472 - 04  
 Test Type: CHRONIC  
 Route: RESPIRATORY EXPOSURE WHOLE BODY  
 Species/Strain: MICE/B6C3F1

**P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS**

p-Chloro-a,a,a-trifluorotoluene

CAS Number: 98-56-6

Date Report Requested: 03/25/2016

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First Dose M/F: 01/31/11 / 01/31/11

Lab: BNW

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MICE(B6C3F1)  
 TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Females			
	Control	100 ppm	200 ppm	400 ppm
<b>Nose: Respiratory Epithelium Accumulation, Hyaline Droplet</b>				
<b>LESION RATES</b>				
OVERALL (a)	21/50 (42%)	26/50 (52%)	24/50 (48%)	25/50 (50%)
POLY-3 RATE (b)	21/46.38	26/47.29	24/47.07	25/46.23
POLY-3 PERCENT (g)	45.3%	55%	51%	54.1%
TERMINAL (d)	18/38 (47%)	18/33 (55%)	15/37 (41%)	16/27 (59%)
FIRST INCIDENCE	493	224	503	464
<b>STATISTICAL TESTS</b>				
POLY 3	P=0.294	P=0.229	P=0.364	P=0.258
POLY 1.5	P=0.302	P=0.225	P=0.341	P=0.266
POLY 6	P=0.278	P=0.226	P=0.404	P=0.239
COCH-ARM / FISHERS	P=0.316	P=0.212	P=0.344	P=0.274
MAX-ISO-POLY-3	P=0.319	P=0.173	P=0.292	P=0.196

Experiment Number: 10472 - 04  
 Test Type: CHRONIC  
 Route: RESPIRATORY EXPOSURE WHOLE BODY  
 Species/Strain: MICE/B6C3F1

**P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS**

p-Chloro-a,a,a-trifluorotoluene

CAS Number: 98-56-6

Date Report Requested: 03/25/2016

Time Report Requested: 09:19:23

First Dose M/F: 01/31/11 / 01/31/11

Lab: BNW

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MICE(B6C3F1)  
 TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Females			
	Control	100 ppm	200 ppm	400 ppm
<b>Nose: Respiratory Epithelium Metaplasia</b>				
<b>LESION RATES</b>				
OVERALL (a)	1/50 (2%)	1/50 (2%)	1/50 (2%)	5/50 (10%)
POLY-3 RATE (b)	1/45.12	1/43.51	1/44.07	5/43.19
POLY-3 PERCENT (g)	2.2%	2.3%	2.3%	11.6%
TERMINAL (d)	1/38 (3%)	1/33 (3%)	1/37 (3%)	5/27 (19%)
FIRST INCIDENCE	731 (T)	731 (T)	731 (T)	731 (T)
<b>STATISTICAL TESTS</b>				
POLY 3	P=0.023*	P=0.753	P=0.755	P=0.091
POLY 1.5	P=0.024*	P=0.755	P=0.756	P=0.096
POLY 6	P=0.022*	P=0.748	P=0.756	P=0.084
COCH-ARM / FISHERS	P=0.025*	P=0.753N	P=0.753N	P=0.102
MAX-ISO-POLY-3	P=0.028*	P=0.489	P=0.493	P=0.042*

Experiment Number: 10472 - 04  
 Test Type: CHRONIC  
 Route: RESPIRATORY EXPOSURE WHOLE BODY  
 Species/Strain: MICE/B6C3F1

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS  
 p-Chloro-a,a,a-trifluorotoluene  
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**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MICE(B6C3F1)  
 TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Females			
	Control	100 ppm	200 ppm	400 ppm
Ovary Cyst				
<b>LESION RATES</b>				
OVERALL (a)	8/50 (16%)	8/50 (16%)	7/50 (14%)	4/50 (8%)
POLY-3 RATE (b)	8/45.32	8/44.25	7/44.59	4/43.25
POLY-3 PERCENT (g)	17.7%	18.1%	15.7%	9.3%
TERMINAL (d)	7/38 (18%)	6/33 (18%)	5/37 (14%)	3/27 (11%)
FIRST INCIDENCE	676	597	576	716
<b>STATISTICAL TESTS</b>				
POLY 3	P=0.141N	P=0.588	P=0.514N	P=0.199N
POLY 1.5	P=0.134N	P=0.594	P=0.514N	P=0.190N
POLY 6	P=0.154N	P=0.577	P=0.509N	P=0.215N
COCH-ARM / FISHERS	P=0.124N	P=0.607N	P=0.500N	P=0.178N
MAX-ISO-POLY-3	P=0.218N	P=0.478	P=0.401N	P=0.129N

Experiment Number: 10472 - 04  
 Test Type: CHRONIC  
 Route: RESPIRATORY EXPOSURE WHOLE BODY  
 Species/Strain: MICE/B6C3F1

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS  
 p-Chloro-a,a,a-trifluorotoluene  
 CAS Number: 98-56-6

Date Report Requested: 03/25/2016  
 Time Report Requested: 09:19:23  
 First Dose M/F: 01/31/11 / 01/31/11  
 Lab: BNW

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MICE(B6C3F1)  
 TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Females			
	Control	100 ppm	200 ppm	400 ppm
<b>Pancreas Inflammation</b>				
<b>LESION RATES</b>				
OVERALL (a)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
POLY-3 RATE (b)	0/45.12	0/43.51	0/44.07	0/43.19
POLY-3 PERCENT (g)	0%	0%	0%	0%
TERMINAL (d)	0/38 (0%)	0/33 (0%)	0/37 (0%)	0/27 (0%)
FIRST INCIDENCE	---	---	---	---
<b>STATISTICAL TESTS</b>				
POLY 3	(n)	(n)	(n)	(n)
POLY 1.5	(n)	(n)	(n)	(n)
POLY 6	(n)	(n)	(n)	(n)
COCH-ARM / FISHERS	(n)	(n)	(n)	(n)
MAX-ISO-POLY-3	(n)	(n)	(n)	(n)

Experiment Number: 10472 - 04  
 Test Type: CHRONIC  
 Route: RESPIRATORY EXPOSURE WHOLE BODY  
 Species/Strain: MICE/B6C3F1

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS  
 p-Chloro-a,a,a-trifluorotoluene  
 CAS Number: 98-56-6

Date Report Requested: 03/25/2016  
 Time Report Requested: 09:19:23  
 First Dose M/F: 01/31/11 / 01/31/11  
 Lab: BNW

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MICE(B6C3F1)  
 TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Females			
	Control	100 ppm	200 ppm	400 ppm
<b>Pancreas: Acinus Atrophy</b>				
<b>LESION RATES</b>				
OVERALL (a)	1/50 (2%)	1/50 (2%)	4/50 (8%)	2/50 (4%)
POLY-3 RATE (b)	1/45.12	1/43.97	4/45.12	2/43.19
POLY-3 PERCENT (g)	2.2%	2.3%	8.9%	4.6%
TERMINAL (d)	1/38 (3%)	0/33 (0%)	2/37 (5%)	2/27 (7%)
FIRST INCIDENCE	731 (T)	597	544	731 (T)
<b>STATISTICAL TESTS</b>				
POLY 3	P=0.292	P=0.755	P=0.179	P=0.485
POLY 1.5	P=0.301	P=0.757	P=0.176	P=0.491
POLY 6	P=0.277	P=0.752	P=0.183	P=0.474
COCH-ARM / FISHERS	P=0.313	P=0.753N	P=0.181	P=0.500
MAX-ISO-POLY-3	P=0.251	P=0.492	P=0.083	P=0.272

Experiment Number: 10472 - 04  
 Test Type: CHRONIC  
 Route: RESPIRATORY EXPOSURE WHOLE BODY  
 Species/Strain: MICE/B6C3F1

**P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS**

p-Chloro-a,a,a-trifluorotoluene

CAS Number: 98-56-6

Date Report Requested: 03/25/2016

Time Report Requested: 09:19:23

First Dose M/F: 01/31/11 / 01/31/11

Lab: BNW

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MICE(B6C3F1)  
 TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Females			
	Control	100 ppm	200 ppm	400 ppm
<b>Pancreas: Acinus Hypertrophy</b>				
<b>LESION RATES</b>				
OVERALL (a)	0/50 (0%)	2/50 (4%)	0/50 (0%)	1/50 (2%)
POLY-3 RATE (b)	0/45.12	2/43.79	0/44.07	1/43.49
POLY-3 PERCENT (g)	0%	4.6%	0%	2.3%
TERMINAL (d)	0/38 (0%)	1/33 (3%)	0/37 (0%)	0/27 (0%)
FIRST INCIDENCE	---	654	---	648
<b>STATISTICAL TESTS</b>				
POLY 3	P=0.525	P=0.230	(e)	P=0.493
POLY 1.5	P=0.530	P=0.233	(e)	P=0.496
POLY 6	P=0.516	P=0.227	(e)	P=0.488
COCH-ARM / FISHERS	P=0.539	P=0.247	(e)	P=0.500
MAX-ISO-POLY-3	P=0.332	P=0.076	(e)	P=0.158

Experiment Number: 10472 - 04  
 Test Type: CHRONIC  
 Route: RESPIRATORY EXPOSURE WHOLE BODY  
 Species/Strain: MICE/B6C3F1

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS  
 p-Chloro-a,a,a-trifluorotoluene  
 CAS Number: 98-56-6

Date Report Requested: 03/25/2016  
 Time Report Requested: 09:19:23  
 First Dose M/F: 01/31/11 / 01/31/11  
 Lab: BNW

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MICE(B6C3F1)  
 TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Females			
	Control	100 ppm	200 ppm	400 ppm
<b>Pancreas: Duct Cyst</b>				
<b>LESION RATES</b>				
OVERALL (a)	0/50 (0%)	0/50 (0%)	2/50 (4%)	0/50 (0%)
POLY-3 RATE (b)	0/45.12	0/43.51	2/44.07	0/43.19
POLY-3 PERCENT (g)	0%	0%	4.5%	0%
TERMINAL (d)	0/38 (0%)	0/33 (0%)	2/37 (5%)	0/27 (0%)
FIRST INCIDENCE	---	---	731 (T)	---
<b>STATISTICAL TESTS</b>				
POLY 3	P=0.577	(e)	P=0.232	(e)
POLY 1.5	P=0.586	(e)	P=0.232	(e)
POLY 6	P=0.562	(e)	P=0.232	(e)
COCH-ARM / FISHERS	P=0.595	(e)	P=0.247	(e)
MAX-ISO-POLY-3	P=0.255	(e)	P=0.076	(e)

Experiment Number: 10472 - 04  
 Test Type: CHRONIC  
 Route: RESPIRATORY EXPOSURE WHOLE BODY  
 Species/Strain: MICE/B6C3F1

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS  
 p-Chloro-a,a,a-trifluorotoluene  
 CAS Number: 98-56-6

Date Report Requested: 03/25/2016  
 Time Report Requested: 09:19:23  
 First Dose M/F: 01/31/11 / 01/31/11  
 Lab: BNW

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MICE(B6C3F1)  
 TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Females			
	Control	100 ppm	200 ppm	400 ppm
<b>Peripheral Nerve Degeneration</b>				
<b>LESION RATES</b>				
OVERALL (a)	0/1 (0%)	1/2 (50%)	1/1 (100%)	2/2 (100%)
POLY-3 RATE (b)	0/0.26	1/1.46	1/1.00	2/2.00
POLY-3 PERCENT (g)	0%	68.5%	100%	100%
TERMINAL (d)	0/0 (0%)	0/0 (0%)	0/0 (0%)	0/0 (0%)
FIRST INCIDENCE	---	545	503	530
<b>STATISTICAL TESTS</b>				
POLY 3	P=0.633	P=0.793	(e)	P=0.333
POLY 1.5	P=0.345	P=0.701	(e)	P=0.333
POLY 6	P=0.990	P=0.958	(e)	P=0.333
COCH-ARM / FISHERS	P=0.128	P=0.667	P=0.500	P=0.333
MAX-ISO-POLY-3	P=0.396	P=0.394	(e)	(e)



Experiment Number: 10472 - 04  
 Test Type: CHRONIC  
 Route: RESPIRATORY EXPOSURE WHOLE BODY  
 Species/Strain: MICE/B6C3F1

**P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS**  
 p-Chloro-a,a,a-trifluorotoluene  
 CAS Number: 98-56-6

Date Report Requested: 03/25/2016  
 Time Report Requested: 09:19:23  
 First Dose M/F: 01/31/11 / 01/31/11  
 Lab: BNW

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MICE(B6C3F1)  
 TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Females			
	Control	100 ppm	200 ppm	400 ppm
<b>Pituitary Gland: Pars Distalis Angiectasis</b>				
<b>LESION RATES</b>				
OVERALL (a)	0/50 (0%)	2/50 (4%)	0/50 (0%)	1/50 (2%)
POLY-3 RATE (b)	0/45.12	2/43.51	0/44.07	1/43.19
POLY-3 PERCENT (g)	0%	4.6%	0%	2.3%
TERMINAL (d)	0/38 (0%)	2/33 (6%)	0/37 (0%)	1/27 (4%)
FIRST INCIDENCE	---	731 (T)	---	731 (T)
<b>STATISTICAL TESTS</b>				
POLY 3	P=0.522	P=0.229	(e)	P=0.491
POLY 1.5	P=0.529	P=0.232	(e)	P=0.495
POLY 6	P=0.511	P=0.224	(e)	P=0.485
COCH-ARM / FISHERS	P=0.539	P=0.247	(e)	P=0.500
MAX-ISO-POLY-3	P=0.332	P=0.076	(e)	P=0.158

Experiment Number: 10472 - 04  
 Test Type: CHRONIC  
 Route: RESPIRATORY EXPOSURE WHOLE BODY  
 Species/Strain: MICE/B6C3F1

**P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS**  
 p-Chloro-a,a,a-trifluorotoluene  
 CAS Number: 98-56-6

Date Report Requested: 03/25/2016  
 Time Report Requested: 09:19:23  
 First Dose M/F: 01/31/11 / 01/31/11  
 Lab: BNW

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MICE(B6C3F1)  
 TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Females			
	Control	100 ppm	200 ppm	400 ppm
<b>Pituitary Gland: Pars Distalis Hyperplasia</b>				
<b>LESION RATES</b>				
OVERALL (a)	12/50 (24%)	4/50 (8%)	5/50 (10%)	6/50 (12%)
POLY-3 RATE (b)	12/45.82	4/43.96	5/44.66	6/43.74
POLY-3 PERCENT (g)	26.2%	9.1%	11.2%	13.7%
TERMINAL (d)	10/38 (26%)	2/33 (6%)	4/37 (11%)	3/27 (11%)
FIRST INCIDENCE	624	654	544	596
<b>STATISTICAL TESTS</b>				
POLY 3	P=0.127N	P=0.030N*	P=0.058N	P=0.112N
POLY 1.5	P=0.125N	P=0.029N*	P=0.058N	P=0.104N
POLY 6	P=0.131N	P=0.034N*	P=0.057N	P=0.125N
COCH-ARM / FISHERS	P=0.124N	P=0.027N*	P=0.054N	P=0.096N
MAX-ISO-POLY-3	P=0.040N*	P=0.017N*	P=0.034N*	P=0.073N

Experiment Number: 10472 - 04  
 Test Type: CHRONIC  
 Route: RESPIRATORY EXPOSURE WHOLE BODY  
 Species/Strain: MICE/B6C3F1

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS  
 p-Chloro-a,a,a-trifluorotoluene  
 CAS Number: 98-56-6

Date Report Requested: 03/25/2016  
 Time Report Requested: 09:19:23  
 First Dose M/F: 01/31/11 / 01/31/11  
 Lab: BNW

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MICE(B6C3F1)  
 TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Females			
	Control	100 ppm	200 ppm	400 ppm
<b>Pleura Inflammation</b>				
<b>LESION RATES</b>				
OVERALL (a)	0/0 (0%)	0/0 (0%)	0/0 (0%)	2/2 (100%)
POLY-3 RATE (b)	0/0.00	0/0.00	0/0.00	2/2.00
POLY-3 PERCENT (g)	0%	0%	0%	100%
TERMINAL (d)	0/0 (0%)	0/0 (0%)	0/0 (0%)	0/0 (0%)
FIRST INCIDENCE	---	---	---	464
<b>STATISTICAL TESTS</b>				
POLY 3	(e)	(e)	(e)	(e)
POLY 1.5	(e)	(e)	(e)	(e)
POLY 6	(e)	(e)	(e)	(e)
COCH-ARM / FISHERS	(e)	(e)	(e)	(e)
MAX-ISO-POLY-3	(e)	(e)	(e)	(e)

Experiment Number: 10472 - 04  
 Test Type: CHRONIC  
 Route: RESPIRATORY EXPOSURE WHOLE BODY  
 Species/Strain: MICE/B6C3F1

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS  
 p-Chloro-a,a,a-trifluorotoluene  
 CAS Number: 98-56-6

Date Report Requested: 03/25/2016  
 Time Report Requested: 09:19:23  
 First Dose M/F: 01/31/11 / 01/31/11  
 Lab: BNW

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MICE(B6C3F1)  
 TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Females			
	Control	100 ppm	200 ppm	400 ppm
<b>Skin Inflammation</b>				
<b>LESION RATES</b>				
OVERALL (a)	2/50 (4%)	1/50 (2%)	2/50 (4%)	2/50 (4%)
POLY-3 RATE (b)	2/45.35	1/43.93	2/44.07	2/43.80
POLY-3 PERCENT (g)	4.4%	2.3%	4.5%	4.6%
TERMINAL (d)	1/38 (3%)	0/33 (0%)	2/37 (5%)	0/27 (0%)
FIRST INCIDENCE	670	611	731 (T)	642
<b>STATISTICAL TESTS</b>				
POLY 3	P=0.515	P=0.511N	P=0.684	P=0.682
POLY 1.5	P=0.520	P=0.507N	P=0.685	P=0.686
POLY 6	P=0.509	P=0.518N	P=0.683	P=0.673
COCH-ARM / FISHERS	P=0.526	P=0.500N	P=0.691N	P=0.691N
MAX-ISO-POLY-3	P=0.606	P=0.293N	P=0.488	P=0.485

Experiment Number: 10472 - 04  
 Test Type: CHRONIC  
 Route: RESPIRATORY EXPOSURE WHOLE BODY  
 Species/Strain: MICE/B6C3F1

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS  
 p-Chloro-a,a,a-trifluorotoluene  
 CAS Number: 98-56-6

Date Report Requested: 03/25/2016  
 Time Report Requested: 09:19:23  
 First Dose M/F: 01/31/11 / 01/31/11  
 Lab: BNW

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MICE(B6C3F1)  
 TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Females			
	Control	100 ppm	200 ppm	400 ppm
Skin Ulcer				
<b>LESION RATES</b>				
OVERALL (a)	1/50 (2%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
POLY-3 RATE (b)	1/45.35	0/43.51	0/44.07	0/43.19
POLY-3 PERCENT (g)	2.2%	0%	0%	0%
TERMINAL (d)	0/38 (0%)	0/33 (0%)	0/37 (0%)	0/27 (0%)
FIRST INCIDENCE	670	---	---	---
<b>STATISTICAL TESTS</b>				
POLY 3	(n)	(n)	(n)	(n)
POLY 1.5	(n)	(n)	(n)	(n)
POLY 6	(n)	(n)	(n)	(n)
COCH-ARM / FISHERS	(n)	(n)	(n)	(n)
MAX-ISO-POLY-3	(n)	(n)	(n)	(n)

Experiment Number: 10472 - 04  
 Test Type: CHRONIC  
 Route: RESPIRATORY EXPOSURE WHOLE BODY  
 Species/Strain: MICE/B6C3F1

**P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS**

p-Chloro-a,a,a-trifluorotoluene

CAS Number: 98-56-6

Date Report Requested: 03/25/2016

Time Report Requested: 09:19:23

First Dose M/F: 01/31/11 / 01/31/11

Lab: BNW

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MICE(B6C3F1)  
 TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Females			
	Control	100 ppm	200 ppm	400 ppm
<b>Spleen</b>				
<b>Hematopoietic Cell Proliferation</b>				
<b>LESION RATES</b>				
<b>OVERALL (a)</b>	14/50 (28%)	12/50 (24%)	13/50 (26%)	16/50 (32%)
<b>POLY-3 RATE (b)</b>	14/47.31	12/45.53	13/46.88	16/45.55
<b>POLY-3 PERCENT (g)</b>	29.6%	26.4%	27.7%	35.1%
<b>TERMINAL (d)</b>	9/38 (24%)	6/33 (18%)	7/37 (19%)	6/27 (22%)
<b>FIRST INCIDENCE</b>	493	488	480	480
<b>STATISTICAL TESTS</b>				
<b>POLY 3</b>	P=0.276	P=0.454N	P=0.511N	P=0.364
<b>POLY 1.5</b>	P=0.287	P=0.440N	P=0.516N	P=0.383
<b>POLY 6</b>	P=0.265	P=0.472N	P=0.501N	P=0.343
<b>COCH-ARM / FISHERS</b>	P=0.306	P=0.410N	P=0.500N	P=0.414
<b>MAX-ISO-POLY-3</b>	P=0.368	P=0.366N	P=0.419N	P=0.288

Experiment Number: 10472 - 04  
 Test Type: CHRONIC  
 Route: RESPIRATORY EXPOSURE WHOLE BODY  
 Species/Strain: MICE/B6C3F1

**P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS**

p-Chloro-a,a,a-trifluorotoluene

CAS Number: 98-56-6

Date Report Requested: 03/25/2016

Time Report Requested: 09:19:23

First Dose M/F: 01/31/11 / 01/31/11

Lab: BNW

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MICE(B6C3F1)  
 TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Females			
	Control	100 ppm	200 ppm	400 ppm
<b>Spleen: Lymphoid Follicle Hyperplasia</b>				
<b>LESION RATES</b>				
OVERALL (a)	17/50 (34%)	18/50 (36%)	15/50 (30%)	19/50 (38%)
POLY-3 RATE (b)	17/45.12	18/43.78	15/45.25	19/44.72
POLY-3 PERCENT (g)	37.7%	41.1%	33.2%	42.5%
TERMINAL (d)	17/38 (45%)	16/33 (49%)	13/37 (35%)	13/27 (48%)
FIRST INCIDENCE	731 (T)	691	480	374
<b>STATISTICAL TESTS</b>				
POLY 3	P=0.409	P=0.454	P=0.409N	P=0.401
POLY 1.5	P=0.411	P=0.470	P=0.421N	P=0.410
POLY 6	P=0.400	P=0.430	P=0.388N	P=0.381
COCH-ARM / FISHERS	P=0.410	P=0.500	P=0.415N	P=0.418
MAX-ISO-POLY-3	P=0.487	P=0.369	P=0.325N	P=0.320

Experiment Number: 10472 - 04  
 Test Type: CHRONIC  
 Route: RESPIRATORY EXPOSURE WHOLE BODY  
 Species/Strain: MICE/B6C3F1

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS  
 p-Chloro-a,a,a-trifluorotoluene  
 CAS Number: 98-56-6

Date Report Requested: 03/25/2016  
 Time Report Requested: 09:19:23  
 First Dose M/F: 01/31/11 / 01/31/11  
 Lab: BNW

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MICE(B6C3F1)  
 TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Females			
	Control	100 ppm	200 ppm	400 ppm
<b>Stomach, Forestomach Inflammation</b>				
<b>LESION RATES</b>				
OVERALL (a)	3/50 (6%)	5/50 (10%)	5/50 (10%)	9/50 (18%)
POLY-3 RATE (b)	3/45.32	5/43.51	5/44.07	9/43.88
POLY-3 PERCENT (g)	6.6%	11.5%	11.3%	20.5%
TERMINAL (d)	2/38 (5%)	5/33 (15%)	5/37 (14%)	4/27 (15%)
FIRST INCIDENCE	676	731 (T)	731 (T)	663
<b>STATISTICAL TESTS</b>				
POLY 3	P=0.034*	P=0.334	P=0.341	P=0.051
POLY 1.5	P=0.036*	P=0.342	P=0.344	P=0.055
POLY 6	P=0.032*	P=0.320	P=0.340	P=0.047*
COCH-ARM / FISHERS	P=0.039*	P=0.357	P=0.357	P=0.061
MAX-ISO-POLY-3	P=0.037*	P=0.217	P=0.222	P=0.028*



Experiment Number: 10472 - 04  
 Test Type: CHRONIC  
 Route: RESPIRATORY EXPOSURE WHOLE BODY  
 Species/Strain: MICE/B6C3F1

**P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS**

p-Chloro-a,a,a-trifluorotoluene

CAS Number: 98-56-6

Date Report Requested: 03/25/2016

Time Report Requested: 09:19:23

First Dose M/F: 01/31/11 / 01/31/11

Lab: BNW

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MICE(B6C3F1)  
 TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Females			
	Control	100 ppm	200 ppm	400 ppm
<b>Stomach, Forestomach Mineralization</b>				
<b>LESION RATES</b>				
OVERALL (a)	0/50 (0%)	0/50 (0%)	1/50 (2%)	0/50 (0%)
POLY-3 RATE (b)	0/45.12	0/43.51	1/44.66	0/43.19
POLY-3 PERCENT (g)	0%	0%	2.2%	0%
TERMINAL (d)	0/38 (0%)	0/33 (0%)	0/37 (0%)	0/27 (0%)
FIRST INCIDENCE	---	---	544	---
<b>STATISTICAL TESTS</b>				
POLY 3	(n)	(n)	(n)	(n)
POLY 1.5	(n)	(n)	(n)	(n)
POLY 6	(n)	(n)	(n)	(n)
COCH-ARM / FISHERS	(n)	(n)	(n)	(n)
MAX-ISO-POLY-3	(n)	(n)	(n)	(n)

Experiment Number: 10472 - 04  
 Test Type: CHRONIC  
 Route: RESPIRATORY EXPOSURE WHOLE BODY  
 Species/Strain: MICE/B6C3F1

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS  
 p-Chloro-a,a,a-trifluorotoluene  
 CAS Number: 98-56-6

Date Report Requested: 03/25/2016  
 Time Report Requested: 09:19:23  
 First Dose M/F: 01/31/11 / 01/31/11  
 Lab: BNW

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MICE(B6C3F1)  
 TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Females			
	Control	100 ppm	200 ppm	400 ppm
<b>Stomach, Forestomach: Epithelium Hyperplasia</b>				
<b>LESION RATES</b>				
OVERALL (a)	1/50 (2%)	3/50 (6%)	5/50 (10%)	14/50 (28%)
POLY-3 RATE (b)	1/45.32	3/44.64	5/44.07	14/46.03
POLY-3 PERCENT (g)	2.2%	6.7%	11.3%	30.4%
TERMINAL (d)	0/38 (0%)	1/33 (3%)	5/37 (14%)	6/27 (22%)
FIRST INCIDENCE	676	224	731 (T)	464
<b>STATISTICAL TESTS</b>				
POLY 3	P<0.001**	P=0.300	P=0.095	P<0.001**
POLY 1.5	P<0.001**	P=0.303	P=0.096	P<0.001**
POLY 6	P<0.001**	P=0.293	P=0.094	P<0.001**
COCH-ARM / FISHERS	P<0.001**	P=0.309	P=0.102	P<0.001**
MAX-ISO-POLY-3	P<0.001**	P=0.152	P=0.043*	P<0.001**

Experiment Number: 10472 - 04  
 Test Type: CHRONIC  
 Route: RESPIRATORY EXPOSURE WHOLE BODY  
 Species/Strain: MICE/B6C3F1

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS  
 p-Chloro-a,a,a-trifluorotoluene  
 CAS Number: 98-56-6

Date Report Requested: 03/25/2016  
 Time Report Requested: 09:19:23  
 First Dose M/F: 01/31/11 / 01/31/11  
 Lab: BNW

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MICE(B6C3F1)  
 TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Females			
	Control	100 ppm	200 ppm	400 ppm
<b>Stomach, Forestomach: Epithelium Ulcer</b>				
<b>LESION RATES</b>				
OVERALL (a)	0/50 (0%)	1/50 (2%)	0/50 (0%)	2/50 (4%)
POLY-3 RATE (b)	0/45.12	1/44.21	0/44.07	2/43.30
POLY-3 PERCENT (g)	0%	2.3%	0%	4.6%
TERMINAL (d)	0/38 (0%)	0/33 (0%)	0/37 (0%)	0/27 (0%)
FIRST INCIDENCE	---	488	---	716
<b>STATISTICAL TESTS</b>				
POLY 3	P=0.134	P=0.496	(e)	P=0.228
POLY 1.5	P=0.136	P=0.497	(e)	P=0.232
POLY 6	P=0.130	P=0.493	(e)	P=0.222
COCH-ARM / FISHERS	P=0.140	P=0.500	(e)	P=0.247
MAX-ISO-POLY-3	P=0.077	P=0.158	(e)	P=0.076

Experiment Number: 10472 - 04  
 Test Type: CHRONIC  
 Route: RESPIRATORY EXPOSURE WHOLE BODY  
 Species/Strain: MICE/B6C3F1

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS  
 p-Chloro-a,a,a-trifluorotoluene  
 CAS Number: 98-56-6

Date Report Requested: 03/25/2016  
 Time Report Requested: 09:19:23  
 First Dose M/F: 01/31/11 / 01/31/11  
 Lab: BNW

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MICE(B6C3F1)  
 TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Females			
	Control	100 ppm	200 ppm	400 ppm
<b>Stomach, Glandular Inflammation</b>				
<b>LESION RATES</b>				
OVERALL (a)	0/50 (0%)	1/50 (2%)	0/50 (0%)	0/50 (0%)
POLY-3 RATE (b)	0/45.12	1/43.51	0/44.07	0/43.19
POLY-3 PERCENT (g)	0%	2.3%	0%	0%
TERMINAL (d)	0/38 (0%)	1/33 (3%)	0/37 (0%)	0/27 (0%)
FIRST INCIDENCE	---	731 (T)	---	---
<b>STATISTICAL TESTS</b>				
POLY 3	(n)	(n)	(n)	(n)
POLY 1.5	(n)	(n)	(n)	(n)
POLY 6	(n)	(n)	(n)	(n)
COCH-ARM / FISHERS	(n)	(n)	(n)	(n)
MAX-ISO-POLY-3	(n)	(n)	(n)	(n)

Experiment Number: 10472 - 04  
 Test Type: CHRONIC  
 Route: RESPIRATORY EXPOSURE WHOLE BODY  
 Species/Strain: MICE/B6C3F1

**P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS**

p-Chloro-a,a,a-trifluorotoluene

CAS Number: 98-56-6

Date Report Requested: 03/25/2016

Time Report Requested: 09:19:23

First Dose M/F: 01/31/11 / 01/31/11

Lab: BNW

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MICE(B6C3F1)  
 TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Females			
	Control	100 ppm	200 ppm	400 ppm
<b>Stomach, Glandular Mineralization</b>				
<b>LESION RATES</b>				
OVERALL (a)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
POLY-3 RATE (b)	0/45.12	0/43.51	0/44.07	0/43.19
POLY-3 PERCENT (g)	0%	0%	0%	0%
TERMINAL (d)	0/38 (0%)	0/33 (0%)	0/37 (0%)	0/27 (0%)
FIRST INCIDENCE	---	---	---	---
<b>STATISTICAL TESTS</b>				
POLY 3	(n)	(n)	(n)	(n)
POLY 1.5	(n)	(n)	(n)	(n)
POLY 6	(n)	(n)	(n)	(n)
COCH-ARM / FISHERS	(n)	(n)	(n)	(n)
MAX-ISO-POLY-3	(n)	(n)	(n)	(n)

Experiment Number: 10472 - 04  
 Test Type: CHRONIC  
 Route: RESPIRATORY EXPOSURE WHOLE BODY  
 Species/Strain: MICE/B6C3F1

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS  
 p-Chloro-a,a,a-trifluorotoluene  
 CAS Number: 98-56-6

Date Report Requested: 03/25/2016  
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 First Dose M/F: 01/31/11 / 01/31/11  
 Lab: BNW

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MICE(B6C3F1)  
 TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Females			
	Control	100 ppm	200 ppm	400 ppm
Thymus Atrophy				
<b>LESION RATES</b>				
OVERALL (a)	10/50 (20%)	9/50 (18%)	11/50 (22%)	13/50 (26%)
POLY-3 RATE (b)	10/47.28	9/46.62	11/46.38	13/46.45
POLY-3 PERCENT (g)	21.2%	19.3%	23.7%	28%
TERMINAL (d)	6/38 (16%)	3/33 (9%)	5/37 (14%)	1/27 (4%)
FIRST INCIDENCE	493	224	503	464
<b>STATISTICAL TESTS</b>				
POLY 3	P=0.203	P=0.514N	P=0.480	P=0.299
POLY 1.5	P=0.206	P=0.506N	P=0.480	P=0.305
POLY 6	P=0.202	P=0.528N	P=0.486	P=0.293
COCH-ARM / FISHERS	P=0.216	P=0.500N	P=0.500	P=0.318
MAX-ISO-POLY-3	P=0.304	P=0.411N	P=0.383	P=0.224

Experiment Number: 10472 - 04  
 Test Type: CHRONIC  
 Route: RESPIRATORY EXPOSURE WHOLE BODY  
 Species/Strain: MICE/B6C3F1

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS  
 p-Chloro-a,a,a-trifluorotoluene  
 CAS Number: 98-56-6

Date Report Requested: 03/25/2016  
 Time Report Requested: 09:19:23  
 First Dose M/F: 01/31/11 / 01/31/11  
 Lab: BNW

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MICE(B6C3F1)  
 TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Females			
	Control	100 ppm	200 ppm	400 ppm
<b>Thymus</b>				
<b>Ectopic Parathyroid Gland</b>				
<b>LESION RATES</b>				
OVERALL (a)	20/50 (40%)	13/50 (26%)	13/50 (26%)	18/50 (36%)
POLY-3 RATE (b)	20/46.06	13/45.55	13/46.19	18/44.17
POLY-3 PERCENT (g)	43.4%	28.5%	28.2%	40.8%
TERMINAL (d)	18/38 (47%)	8/33 (24%)	9/37 (24%)	14/27 (52%)
FIRST INCIDENCE	469	488	503	464
<b>STATISTICAL TESTS</b>				
POLY 3	P=0.537	P=0.100N	P=0.092N	P=0.482N
POLY 1.5	P=0.526N	P=0.102N	P=0.100N	P=0.455N
POLY 6	P=0.510	P=0.099N	P=0.080N	P=0.529N
COCH-ARM / FISHERS	P=0.500N	P=0.101N	P=0.101N	P=0.418N
MAX-ISO-POLY-3	P=0.223N	P=0.067N	P=0.061N	P=0.398N

Experiment Number: 10472 - 04  
 Test Type: CHRONIC  
 Route: RESPIRATORY EXPOSURE WHOLE BODY  
 Species/Strain: MICE/B6C3F1

**P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS**  
 p-Chloro-a,a,a-trifluorotoluene  
 CAS Number: 98-56-6

Date Report Requested: 03/25/2016  
 Time Report Requested: 09:19:23  
 First Dose M/F: 01/31/11 / 01/31/11  
 Lab: BNW

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MICE(B6C3F1)  
 TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Females			
	Control	100 ppm	200 ppm	400 ppm
<b>Thymus Hyperplasia Lymphoid</b>				
<b>LESION RATES</b>				
OVERALL (a)	1/50 (2%)	2/50 (4%)	1/50 (2%)	1/50 (2%)
POLY-3 RATE (b)	1/45.44	2/44.04	1/44.79	1/44.05
POLY-3 PERCENT (g)	2.2%	4.5%	2.2%	2.3%
TERMINAL (d)	0/38 (0%)	0/33 (0%)	0/37 (0%)	0/27 (0%)
FIRST INCIDENCE	642	626	480	374
<b>STATISTICAL TESTS</b>				
POLY 3	P=0.539N	P=0.489	P=0.757	P=0.754
POLY 1.5	P=0.535N	P=0.493	P=0.757	P=0.757
POLY 6	P=0.547N	P=0.483	P=0.758	P=0.747
COCH-ARM / FISHERS	P=0.531N	P=0.500	P=0.753N	P=0.753N
MAX-ISO-POLY-3	P=0.594N	P=0.274	P=0.495	P=0.490



Experiment Number: 10472 - 04  
 Test Type: CHRONIC  
 Route: RESPIRATORY EXPOSURE WHOLE BODY  
 Species/Strain: MICE/B6C3F1

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS  
 p-Chloro-a,a,a-trifluorotoluene  
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**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MICE(B6C3F1)  
 TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Females			
	Control	100 ppm	200 ppm	400 ppm
<b>Thyroid Gland: Follicular Cell Hyperplasia</b>				
<b>LESION RATES</b>				
OVERALL (a)	0/50 (0%)	2/50 (4%)	1/49 (2%)	0/49 (0%)
POLY-3 RATE (b)	0/45.12	2/43.51	1/43.11	0/42.48
POLY-3 PERCENT (g)	0%	4.6%	2.3%	0%
TERMINAL (d)	0/38 (0%)	2/33 (6%)	0/36 (0%)	0/27 (0%)
FIRST INCIDENCE	---	731 (T)	723	---
<b>STATISTICAL TESTS</b>				
POLY 3	P=0.483N	P=0.229	P=0.491	(e)
POLY 1.5	P=0.477N	P=0.232	P=0.491	(e)
POLY 6	P=0.493N	P=0.224	P=0.491	(e)
COCH-ARM / FISHERS	P=0.467N	P=0.247	P=0.495	(e)
MAX-ISO-POLY-3	P=0.335	P=0.076	P=0.157	(e)

Experiment Number: 10472 - 04  
 Test Type: CHRONIC  
 Route: RESPIRATORY EXPOSURE WHOLE BODY  
 Species/Strain: MICE/B6C3F1

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS  
 p-Chloro-a,a,a-trifluorotoluene  
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**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MICE(B6C3F1)  
 TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Females			
	Control	100 ppm	200 ppm	400 ppm
Uterus				
Angiectasis				
<b>LESION RATES</b>				
OVERALL (a)	0/50 (0%)	2/50 (4%)	0/50 (0%)	0/50 (0%)
POLY-3 RATE (b)	0/45.12	2/43.78	0/44.07	0/43.19
POLY-3 PERCENT (g)	0%	4.6%	0%	0%
TERMINAL (d)	0/38 (0%)	1/33 (3%)	0/37 (0%)	0/27 (0%)
FIRST INCIDENCE	---	659	---	---
<b>STATISTICAL TESTS</b>				
POLY 3	P=0.417N	P=0.230	(e)	(e)
POLY 1.5	P=0.413N	P=0.233	(e)	(e)
POLY 6	P=0.423N	P=0.227	(e)	(e)
COCH-ARM / FISHERS	P=0.405N	P=0.247	(e)	(e)
MAX-ISO-POLY-3	P=0.262N	P=0.076	(e)	(e)

Experiment Number: 10472 - 04  
 Test Type: CHRONIC  
 Route: RESPIRATORY EXPOSURE WHOLE BODY  
 Species/Strain: MICE/B6C3F1

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS  
 p-Chloro-a,a,a-trifluorotoluene  
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Date Report Requested: 03/25/2016  
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 Lab: BNW

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MICE(B6C3F1)  
 TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Females			
	Control	100 ppm	200 ppm	400 ppm
<b>Uterus: Endometrium Hyperplasia Cystic</b>				
<b>LESION RATES</b>				
OVERALL (a)	47/50 (94%)	48/50 (96%)	46/50 (92%)	45/50 (90%)
POLY-3 RATE (b)	47/49.06	48/49.74	46/48.49	45/48.95
POLY-3 PERCENT (g)	95.8%	96.5%	94.9%	91.9%
TERMINAL (d)	37/38 (97%)	33/33 (100%)	36/37 (97%)	25/27 (93%)
FIRST INCIDENCE	469	224	480	374
<b>STATISTICAL TESTS</b>				
POLY 3	P=0.198N	P=0.644	P=0.609N	P=0.341N
POLY 1.5	P=0.196N	P=0.587	P=0.618N	P=0.342N
POLY 6	P=0.210N	P=0.701	P=0.589N	P=0.357N
COCH-ARM / FISHERS	P=0.200N	P=0.500	P=0.500N	P=0.357N
MAX-ISO-POLY-3	P=0.254N	P=0.421	P=0.406N	P=0.194N

**Experiment Number:** 10472 - 04  
**Test Type:** CHRONIC  
**Route:** RESPIRATORY EXPOSURE WHOLE BODY  
**Species/Strain:** MICE/B6C3F1

**P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS**

p-Chloro-a,a,a-trifluorotoluene

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**Lab:** BNW

**LEGEND**

- (a) Number of tumor-bearing animals/number of animals examined at site.
  - (b) Number of tumor-bearing animals/Poly-3 number
  - (d) Observed incidence at terminal kill.
  - (e) Value of statistic cannot be computed.
  - (f) Beneath the control incidence are the P-values associated with the trend test. Beneath the dosed group incidence are the P-values corresponding to pairwise comparisons between the controls and that dosed group.
  - (g) Poly-3 adjusted lifetime tumor incidence.
  - (n) No statistics are calculated if all dose groups have fewer than two tumors.
  - (I) Interim sacrifice
  - (T) Terminal sacrifice
  - # Tumor rates based on numbers of animals necropsied.
  - \* To the right of any statistical result, indicates significance at ( $P \leq 0.05$ ).
  - \*\* To the right of any statistical result, indicates significance at ( $P \leq 0.01$ ).
  - N Indicates a negative trend for all tests
- The Cochran-Armitage and Fishers exact tests compare directly the overall incidence rates.

\*\*\* END OF REPORT \*\*\*