

**Experiment Number:** 10472 - 03  
**Test Type:** CHRONIC  
**Route:** RESPIRATORY EXPOSURE WHOLE BODY  
**Species/Strain:** RATS/HSD

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

p-Chloro-a,a,a-trifluorotoluene

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

**Date Report Requested:** 05/16/2016

**Time Report Requested:** 11:15:09

**First Dose M/F:** 01/17/11 / 01/17/11

**Lab:** BNW

F2\_HSD Rats

**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:** 03/08/2016

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

### MALE RATS

#### Organ

Adrenal Cortex  
Adrenal Medulla  
Harderian Gland  
Heart  
Heart: Atrium  
Liver

Liver: Bile Duct  
Liver: Hepatocyte, Centrilobular

Lung

Lymph Node, Mediastinal  
Lymph Node: Renal  
Nose  
Peripheral Nerve: Axon  
Preputial Gland  
Prostate  
Seminal Vesicle  
Skin  
Stomach, Forestomach  
Testes: Artery  
Testes: Germinal Epithelium

### FEMALE RATS

#### Organ

Adrenal Cortex

#### Morphology

Hyperplasia  
Hyperplasia  
Inflammation  
Cardiomyopathy  
Thrombosis  
Angiectasis  
Clear Cell Focus  
Eosinophilic Focus  
Fatty Change  
Hyperplasia  
Hypertrophy  
Necrosis  
Fibrosis  
Foreign Body  
Hemorrhage  
Inflammation Chronic  
Congestion  
Congestion  
Exudate  
Degeneration  
Inflammation  
Inflammation  
Inflammation  
Ulcer  
Ulcer  
Inflammation  
Atrophy

#### Morphology

Hyperplasia  
Necrosis

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

Adrenal Medulla  
Brain: Hypothalamus  
Harderian Gland  
Kidney  
Liver  
  
Liver: Hepatocyte  
Liver: Hepatocyte, Centrilobular  
Lung  
  
Lymph Node, Mandibular  
Mammary Gland  
Nose: Olfactory Epithelium  
Pancreas: Acinus  
Parathyroid Gland  
Skin  
Stomach, Forestomach: Epithelium  
Uterus  
Uterus: Endometrium

Thrombosis  
Hyperplasia  
Compression  
Hyperplasia  
Nephropathy  
Angiectasis  
Basophilic Focus  
Clear Cell Focus  
Eosinophilic Focus  
Fatty Change  
Hematopoietic Cell Proliferation  
Mixed Cell Focus  
Necrosis  
Hypertrophy  
Fibrosis  
Hemorrhage  
Inflammation Chronic  
Hyperplasia  
Hyperplasia Cystic  
Accumulation, Hyaline Droplet  
Hyperplasia  
Fibrosis  
Ulcer  
Hyperplasia  
Metaplasia  
Atypical Hyperplasia  
Hyperplasia Cystic

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

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DOSE	Males			
	Control	100 ppm	300 ppm	1000 ppm
<b>Adrenal Cortex</b>				
<b>Angiectasis</b>				
<hr/>				
<b>LESION RATES</b>				
OVERALL (a)	0/50 (0%)	0/50 (0%)	1/50 (2%)	0/50 (0%)
POLY-3 RATE (b)	0/39.26	0/37.55	1/38.14	0/30.85
POLY-3 PERCENT (g)	0%	0%	2.6%	0%
TERMINAL (d)	0/25 (0%)	0/21 (0%)	0/15 (0%)	0/5 (0%)
FIRST INCIDENCE	---	---	618	---
<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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TERMINAL SACRIFICE AT 105 WEEKS**

---

DOSE	Males			
	Control	100 ppm	300 ppm	1000 ppm
<b>Adrenal Cortex Degeneration Cystic</b>				
<b>LESION RATES</b>				
OVERALL (a)	9/50 (18%)	5/50 (10%)	10/50 (20%)	6/50 (12%)
POLY-3 RATE (b)	9/39.71	5/38.05	10/39.86	6/32.63
POLY-3 PERCENT (g)	22.7%	13.1%	25.1%	18.4%
TERMINAL (d)	7/25 (28%)	3/21 (14%)	3/15 (20%)	2/5 (40%)
FIRST INCIDENCE	663	643	477	421
<b>STATISTICAL TESTS</b>				
POLY 3	P=0.541N	P=0.211N	P=0.504	P=0.438N
POLY 1.5	P=0.459N	P=0.210N	P=0.507	P=0.367N
POLY 6	P=0.456	P=0.209N	P=0.482	P=0.567N
COCH-ARM / FISHERS	P=0.371N	P=0.194N	P=0.500	P=0.288N
MAX-ISO-POLY-3	P=0.541N	P=0.140N	P=0.397	P=0.340N

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 TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Males			
	Control	100 ppm	300 ppm	1000 ppm
<b>Adrenal Cortex Hyperplasia</b>				
<b>LESION RATES</b>				
OVERALL (a)	11/50 (22%)	15/50 (30%)	19/50 (38%)	8/50 (16%)
POLY-3 RATE (b)	11/41.92	15/40.49	19/43.29	8/32.26
POLY-3 PERCENT (g)	26.2%	37.1%	43.9%	24.8%
TERMINAL (d)	5/25 (20%)	7/21 (33%)	6/15 (40%)	2/5 (40%)
FIRST INCIDENCE	516	485	463	575
<b>STATISTICAL TESTS</b>				
POLY 3	P=0.375N	P=0.203	P=0.064	P=0.551N
POLY 1.5	P=0.229N	P=0.209	P=0.065	P=0.438N
POLY 6	P=0.479	P=0.206	P=0.057	P=0.491
COCH-ARM / FISHERS	P=0.109N	P=0.247	P=0.063	P=0.306N
MAX-ISO-POLY-3	P=0.311N	P=0.146	P=0.042*	P=0.449N

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TERMINAL SACRIFICE AT 105 WEEKS**

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DOSE	Males			
	Control	100 ppm	300 ppm	1000 ppm
<b>Adrenal Cortex Hypertrophy</b>				
<b>LESION RATES</b>				
OVERALL (a)	18/50 (36%)	11/50 (22%)	13/50 (26%)	14/50 (28%)
POLY-3 RATE (b)	18/42.22	11/39.76	13/40.15	14/34.81
POLY-3 PERCENT (g)	42.6%	27.7%	32.4%	40.2%
TERMINAL (d)	11/25 (44%)	7/21 (33%)	7/15 (47%)	4/5 (80%)
FIRST INCIDENCE	488	306	463	482
<b>STATISTICAL TESTS</b>				
POLY 3	P=0.431	P=0.112N	P=0.226N	P=0.508N
POLY 1.5	P=0.530	P=0.107N	P=0.204N	P=0.392N
POLY 6	P=0.284	P=0.121N	P=0.286N	P=0.504
COCH-ARM / FISHERS	P=0.460N	P=0.093N	P=0.194N	P=0.260N
MAX-ISO-POLY-3	P=0.342N	P=0.079N	P=0.168N	P=0.418N

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 TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Males			
	Control	100 ppm	300 ppm	1000 ppm
<b>Adrenal Cortex Necrosis</b>				
<b>LESION RATES</b>				
OVERALL (a)	0/50 (0%)	2/50 (4%)	2/50 (4%)	2/50 (4%)
POLY-3 RATE (b)	0/39.26	2/37.90	2/39.01	2/31.72
POLY-3 PERCENT (g)	0%	5.3%	5.1%	6.3%
TERMINAL (d)	0/25 (0%)	0/21 (0%)	0/15 (0%)	0/5 (0%)
FIRST INCIDENCE	---	650	514	430
<b>STATISTICAL TESTS</b>				
POLY 3	P=0.263	P=0.229	P=0.235	P=0.192
POLY 1.5	P=0.304	P=0.230	P=0.237	P=0.212
POLY 6	P=0.201	P=0.229	P=0.227	P=0.163
COCH-ARM / FISHERS	P=0.355	P=0.247	P=0.247	P=0.247
MAX-ISO-POLY-3	P=0.194	P=0.075	P=0.075	P=0.074



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 TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Males			
	Control	100 ppm	300 ppm	1000 ppm
<b>Adrenal Cortex Thrombosis</b>				
<b>LESION RATES</b>				
OVERALL (a)	0/50 (0%)	2/50 (4%)	1/50 (2%)	1/50 (2%)
POLY-3 RATE (b)	0/39.26	2/38.08	1/37.96	1/31.13
POLY-3 PERCENT (g)	0%	5.3%	2.6%	3.2%
TERMINAL (d)	0/25 (0%)	0/21 (0%)	0/15 (0%)	0/5 (0%)
FIRST INCIDENCE	---	589	674	654
<b>STATISTICAL TESTS</b>				
POLY 3	P=0.536	P=0.230	P=0.493	P=0.454
POLY 1.5	P=0.577	P=0.230	P=0.497	P=0.474
POLY 6	P=0.467	P=0.230	P=0.484	P=0.421
COCH-ARM / FISHERS	P=0.627	P=0.247	P=0.500	P=0.500
MAX-ISO-POLY-3	P=0.330	P=0.075	P=0.158	P=0.158

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 TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Males			
	Control	100 ppm	300 ppm	1000 ppm
<b>Adrenal Medulla Hyperplasia</b>				
<b>LESION RATES</b>				
OVERALL (a)	28/50 (56%)	37/50 (74%)	35/50 (70%)	30/50 (60%)
POLY-3 RATE (b)	28/43.19	37/44.72	35/46.19	30/41.98
POLY-3 PERCENT (g)	64.8%	82.7%	75.8%	71.5%
TERMINAL (d)	17/25 (68%)	17/21 (81%)	11/15 (73%)	5/5 (100%)
FIRST INCIDENCE	488	318	500	421
<b>STATISTICAL TESTS</b>				
POLY 3	P=0.500N	P=0.035*	P=0.168	P=0.323
POLY 1.5	P=0.436N	P=0.029*	P=0.137	P=0.354
POLY 6	P=0.514	P=0.065	P=0.221	P=0.270
COCH-ARM / FISHERS	P=0.359N	P=0.046*	P=0.107	P=0.420
MAX-ISO-POLY-3	P=0.153	P=0.021*	P=0.121	P=0.242

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 TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Males			
	Control	100 ppm	300 ppm	1000 ppm
<b>Blood Vessel: Aorta Inflammation</b>				
<b>LESION RATES</b>				
OVERALL (a)	1/50 (2%)	0/50 (0%)	0/49 (0%)	0/50 (0%)
POLY-3 RATE (b)	1/39.85	0/37.55	0/36.75	0/30.85
POLY-3 PERCENT (g)	2.5%	0%	0%	0%
TERMINAL (d)	0/25 (0%)	0/21 (0%)	0/14 (0%)	0/5 (0%)
FIRST INCIDENCE	542	---	---	---
<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**

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DOSE	Males			
	Control	100 ppm	300 ppm	1000 ppm
<b>Blood Vessel: Aorta Mineralization</b>				
<b>LESION RATES</b>				
OVERALL (a)	3/50 (6%)	1/50 (2%)	2/49 (4%)	3/50 (6%)
POLY-3 RATE (b)	3/39.97	1/37.55	2/37.78	3/32.05
POLY-3 PERCENT (g)	7.5%	2.7%	5.3%	9.4%
TERMINAL (d)	2/25 (8%)	1/21 (5%)	0/14 (0%)	0/5 (0%)
FIRST INCIDENCE	485	729 (T)	530	486
<b>STATISTICAL TESTS</b>				
POLY 3	P=0.348	P=0.327N	P=0.526N	P=0.557
POLY 1.5	P=0.386	P=0.322N	P=0.516N	P=0.605
POLY 6	P=0.289	P=0.331N	P=0.548N	P=0.478
COCH-ARM / FISHERS	P=0.432	P=0.309N	P=0.510N	P=0.661N
MAX-ISO-POLY-3	P=0.415	P=0.176N	P=0.348N	P=0.398

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 TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Males			
	Control	100 ppm	300 ppm	1000 ppm
<b>Brain: Cerebrum Necrosis</b>				
<b>LESION RATES</b>				
OVERALL (a)	1/50 (2%)	0/50 (0%)	0/50 (0%)	2/50 (4%)
POLY-3 RATE (b)	1/39.95	0/37.55	0/37.75	2/32.22
POLY-3 PERCENT (g)	2.5%	0%	0%	6.2%
TERMINAL (d)	0/25 (0%)	0/21 (0%)	0/15 (0%)	0/5 (0%)
FIRST INCIDENCE	493	---	---	430
<b>STATISTICAL TESTS</b>				
POLY 3	P=0.161	P=0.512N	P=0.511N	P=0.425
POLY 1.5	P=0.173	P=0.509N	P=0.505N	P=0.459
POLY 6	P=0.144	P=0.515N	P=0.524N	P=0.372
COCH-ARM / FISHERS	P=0.186	P=0.500N	P=0.500N	P=0.500
MAX-ISO-POLY-3	P=0.125	P=0.174N	P=0.172N	P=0.242

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TERMINAL SACRIFICE AT 105 WEEKS**

---

DOSE	Males			
	Control	100 ppm	300 ppm	1000 ppm

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Brain: Hypothalamus  
Compression

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**LESION RATES**

OVERALL (a)	0/50 (0%)	2/50 (4%)	0/50 (0%)	1/50 (2%)
POLY-3 RATE (b)	0/39.26	2/37.61	0/37.75	1/31.64
POLY-3 PERCENT (g)	0%	5.3%	0%	3.2%
TERMINAL (d)	0/25 (0%)	1/21 (5%)	0/15 (0%)	0/5 (0%)
FIRST INCIDENCE	---	715	---	430

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**STATISTICAL TESTS**

POLY 3	P=0.554	P=0.227	(e)	P=0.457
POLY 1.5	P=0.582	P=0.229	(e)	P=0.477
POLY 6	P=0.507	P=0.226	(e)	P=0.425
COCH-ARM / FISHERS	P=0.617	P=0.247	(e)	P=0.500
MAX-ISO-POLY-3	P=0.332	P=0.075	(e)	P=0.158

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 TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Males			
	Control	100 ppm	300 ppm	1000 ppm
<b>Epididymis: Artery Inflammation</b>				
<b>LESION RATES</b>				
OVERALL (a)	1/50 (2%)	3/50 (6%)	2/50 (4%)	1/50 (2%)
POLY-3 RATE (b)	1/39.51	3/38.61	2/38.45	1/31.57
POLY-3 PERCENT (g)	2.5%	7.8%	5.2%	3.2%
TERMINAL (d)	0/25 (0%)	0/21 (0%)	0/15 (0%)	0/5 (0%)
FIRST INCIDENCE	663	558	514	476
<b>STATISTICAL TESTS</b>				
POLY 3	P=0.516N	P=0.296	P=0.490	P=0.709
POLY 1.5	P=0.474N	P=0.296	P=0.497	P=0.733
POLY 6	P=0.586N	P=0.299	P=0.473	P=0.664
COCH-ARM / FISHERS	P=0.422N	P=0.309	P=0.500	P=0.753N
MAX-ISO-POLY-3	P=0.485	P=0.149	P=0.274	P=0.441

Experiment Number: 10472 - 03  
Test Type: CHRONIC  
Route: RESPIRATORY EXPOSURE WHOLE BODY  
Species/Strain: RATS/HSD

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

Date Report Requested: 05/16/2016  
Time Report Requested: 11:15:09  
First Dose M/F: 01/17/11 / 01/17/11  
Lab: BNW

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

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DOSE	Males			
	Control	100 ppm	300 ppm	1000 ppm
<b>Eye: Cornea Inflammation</b>				
<b>LESION RATES</b>				
OVERALL (a)	4/50 (8%)	5/50 (10%)	9/50 (18%)	1/50 (2%)
POLY-3 RATE (b)	4/40.34	5/38.10	9/39.28	1/31.32
POLY-3 PERCENT (g)	9.9%	13.1%	22.9%	3.2%
TERMINAL (d)	1/25 (4%)	3/21 (14%)	2/15 (13%)	0/5 (0%)
FIRST INCIDENCE	589	565	635	591
<b>STATISTICAL TESTS</b>				
POLY 3	P=0.213N	P=0.464	P=0.100	P=0.264N
POLY 1.5	P=0.150N	P=0.473	P=0.108	P=0.223N
POLY 6	P=0.352N	P=0.453	P=0.085	P=0.340N
COCH-ARM / FISHERS	P=0.097N	P=0.500	P=0.117	P=0.181N
MAX-ISO-POLY-3	P=0.146N	P=0.332	P=0.058	P=0.164N

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Experiment Number: 10472 - 03  
 Test Type: CHRONIC  
 Route: RESPIRATORY EXPOSURE WHOLE BODY  
 Species/Strain: RATS/HSD

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

Date Report Requested: 05/16/2016  
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 First Dose M/F: 01/17/11 / 01/17/11  
 Lab: BNW

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

DOSE	Males			
	Control	100 ppm	300 ppm	1000 ppm
<b>Harderian Gland Atrophy</b>				
<b>LESION RATES</b>				
OVERALL (a)	0/50 (0%)	2/50 (4%)	1/50 (2%)	0/50 (0%)
POLY-3 RATE (b)	0/39.26	2/37.57	1/37.75	0/30.85
POLY-3 PERCENT (g)	0%	5.3%	2.7%	0%
TERMINAL (d)	0/25 (0%)	1/21 (5%)	1/15 (7%)	0/5 (0%)
FIRST INCIDENCE	---	724	729 (T)	---
<b>STATISTICAL TESTS</b>				
POLY 3	P=0.453N	P=0.227	P=0.492	(e)
POLY 1.5	P=0.422N	P=0.229	P=0.497	(e)
POLY 6	P=0.503N	P=0.225	P=0.481	(e)
COCH-ARM / FISHERS	P=0.383N	P=0.247	P=0.500	(e)
MAX-ISO-POLY-3	P=0.383	P=0.075	P=0.158	(e)

Experiment Number: 10472 - 03  
Test Type: CHRONIC  
Route: RESPIRATORY EXPOSURE WHOLE BODY  
Species/Strain: RATS/HSD

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

Date Report Requested: 05/16/2016  
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Lab: BNW

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

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DOSE	Males			
	Control	100 ppm	300 ppm	1000 ppm
<b>Harderian Gland Hyperplasia</b>				
<b>LESION RATES</b>				
OVERALL (a)	1/50 (2%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
POLY-3 RATE (b)	1/39.51	0/37.55	0/37.75	0/30.85
POLY-3 PERCENT (g)	2.5%	0%	0%	0%
TERMINAL (d)	0/25 (0%)	0/21 (0%)	0/15 (0%)	0/5 (0%)
FIRST INCIDENCE	663	---	---	---
<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 - 03  
 Test Type: CHRONIC  
 Route: RESPIRATORY EXPOSURE WHOLE BODY  
 Species/Strain: RATS/HSD

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

Date Report Requested: 05/16/2016  
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 Lab: BNW

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

DOSE	Males			
	Control	100 ppm	300 ppm	1000 ppm
<b>Harderian Gland Inflammation</b>				
<b>LESION RATES</b>				
OVERALL (a)	0/50 (0%)	3/50 (6%)	1/50 (2%)	2/50 (4%)
POLY-3 RATE (b)	0/39.26	3/37.55	1/37.75	2/32.57
POLY-3 PERCENT (g)	0%	8%	2.7%	6.1%
TERMINAL (d)	0/25 (0%)	3/21 (14%)	1/15 (7%)	0/5 (0%)
FIRST INCIDENCE	---	729 (T)	729 (T)	96
<b>STATISTICAL TESTS</b>				
POLY 3	P=0.357	P=0.110	P=0.492	P=0.197
POLY 1.5	P=0.395	P=0.112	P=0.497	P=0.216
POLY 6	P=0.296	P=0.108	P=0.481	P=0.168
COCH-ARM / FISHERS	P=0.437	P=0.121	P=0.500	P=0.247
MAX-ISO-POLY-3	P=0.192	P=0.037*	P=0.158	P=0.074

Experiment Number: 10472 - 03  
 Test Type: CHRONIC  
 Route: RESPIRATORY EXPOSURE WHOLE BODY  
 Species/Strain: RATS/HSD

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

Date Report Requested: 05/16/2016  
 Time Report Requested: 11:15:09  
 First Dose M/F: 01/17/11 / 01/17/11  
 Lab: BNW

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

DOSE	Males			
	Control	100 ppm	300 ppm	1000 ppm
<b>Heart</b>				
<b>Cardiomyopathy</b>				
<b>LESION RATES</b>				
<b>OVERALL (a)</b>	41/50 (82%)	39/50 (78%)	45/50 (90%)	40/50 (80%)
<b>POLY-3 RATE (b)</b>	41/48.18	39/43.51	45/47.24	40/45.76
<b>POLY-3 PERCENT (g)</b>	85.1%	89.6%	95.3%	87.4%
<b>TERMINAL (d)</b>	20/25 (80%)	20/21 (95%)	15/15 (100%)	2/5 (40%)
<b>FIRST INCIDENCE</b>	374	485	500	421
<b>STATISTICAL TESTS</b>				
<b>POLY 3</b>	P=0.593	P=0.358	P=0.070	P=0.490
<b>POLY 1.5</b>	P=0.568N	P=0.487	P=0.109	P=0.544
<b>POLY 6</b>	P=0.575	P=0.304	P=0.045*	P=0.454
<b>COCH-ARM / FISHERS</b>	P=0.500N	P=0.402N	P=0.194	P=0.500N
<b>MAX-ISO-POLY-3</b>	P=0.227	P=0.253	P=0.033*	P=0.367

Experiment Number: 10472 - 03  
 Test Type: CHRONIC  
 Route: RESPIRATORY EXPOSURE WHOLE BODY  
 Species/Strain: RATS/HSD

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

Date Report Requested: 05/16/2016  
 Time Report Requested: 11:15:09  
 First Dose M/F: 01/17/11 / 01/17/11  
 Lab: BNW

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

DOSE	Males			
	Control	100 ppm	300 ppm	1000 ppm
<b>Heart: Atrium Thrombosis</b>				
<b>LESION RATES</b>				
OVERALL (a)	0/50 (0%)	2/50 (4%)	1/50 (2%)	4/50 (8%)
POLY-3 RATE (b)	0/39.26	2/38.55	1/37.94	4/32.03
POLY-3 PERCENT (g)	0%	5.2%	2.6%	12.5%
TERMINAL (d)	0/25 (0%)	0/21 (0%)	0/15 (0%)	0/5 (0%)
FIRST INCIDENCE	---	485	678	530
<b>STATISTICAL TESTS</b>				
POLY 3	P=0.028*	P=0.232	P=0.493	P=0.037*
POLY 1.5	P=0.035*	P=0.232	P=0.497	P=0.046*
POLY 6	P=0.019*	P=0.234	P=0.484	P=0.026*
COCH-ARM / FISHERS	P=0.047*	P=0.247	P=0.500	P=0.059
MAX-ISO-POLY-3	P=0.022*	P=0.075	P=0.158	P=0.018*

Experiment Number: 10472 - 03  
 Test Type: CHRONIC  
 Route: RESPIRATORY EXPOSURE WHOLE BODY  
 Species/Strain: RATS/HSD

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

p-Chloro-a,a,a-trifluorotoluene

CAS Number: 98-56-6

Date Report Requested: 05/16/2016

Time Report Requested: 11:15:09

First Dose M/F: 01/17/11 / 01/17/11

Lab: BNW

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

DOSE	Males			
	Control	100 ppm	300 ppm	1000 ppm
<b>Kidney Cyst</b>				
<b>LESION RATES</b>				
OVERALL (a)	3/50 (6%)	2/50 (4%)	2/50 (4%)	3/50 (6%)
POLY-3 RATE (b)	3/40.16	2/37.55	2/38.56	3/31.77
POLY-3 PERCENT (g)	7.5%	5.3%	5.2%	9.4%
TERMINAL (d)	1/25 (4%)	2/21 (10%)	0/15 (0%)	1/5 (20%)
FIRST INCIDENCE	537	729 (T)	607	571
<b>STATISTICAL TESTS</b>				
POLY 3	P=0.417	P=0.531N	P=0.519N	P=0.550
POLY 1.5	P=0.462	P=0.522N	P=0.508N	P=0.601
POLY 6	P=0.348	P=0.541N	P=0.542N	P=0.466
COCH-ARM / FISHERS	P=0.517	P=0.500N	P=0.500N	P=0.661N
MAX-ISO-POLY-3	P=0.492	P=0.354N	P=0.342N	P=0.393

Experiment Number: 10472 - 03  
 Test Type: CHRONIC  
 Route: RESPIRATORY EXPOSURE WHOLE BODY  
 Species/Strain: RATS/HSD

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

Date Report Requested: 05/16/2016  
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 Lab: BNW

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

DOSE	Males			
	Control	100 ppm	300 ppm	1000 ppm
<b>Kidney Nephropathy</b>				
<b>LESION RATES</b>				
OVERALL (a)	49/50 (98%)	49/50 (98%)	50/50 (100%)	50/50 (100%)
POLY-3 RATE (b)	49/49.33	49/49.07	50/50.00	50/50.00
POLY-3 PERCENT (g)	99.3%	99.9%	100%	100%
TERMINAL (d)	25/25 (100%)	21/21 (100%)	15/15 (100%)	5/5 (100%)
FIRST INCIDENCE	374	306	463	96
<b>STATISTICAL TESTS</b>				
POLY 3	P=0.948	P=0.984	P=0.977	P=0.977
POLY 1.5	P=0.628	P=0.860	P=0.766	P=0.766
POLY 6	P=1.000	P=1.000	P=1.000	P=1.000
COCH-ARM / FISHERS	P=0.325	P=0.753N	P=0.500	P=0.500
MAX-ISO-POLY-3	P=0.136	P=0.226	P=0.160	P=0.160

Experiment Number: 10472 - 03  
 Test Type: CHRONIC  
 Route: RESPIRATORY EXPOSURE WHOLE BODY  
 Species/Strain: RATS/HSD

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 RATS(HSD)  
 TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Males			
	Control	100 ppm	300 ppm	1000 ppm
<b>Kidney: Pelvis Dilatation</b>				
<b>LESION RATES</b>				
OVERALL (a)	0/50 (0%)	2/50 (4%)	0/50 (0%)	0/50 (0%)
POLY-3 RATE (b)	0/39.26	2/39.40	0/37.75	0/30.85
POLY-3 PERCENT (g)	0%	5.1%	0%	0%
TERMINAL (d)	0/25 (0%)	0/21 (0%)	0/15 (0%)	0/5 (0%)
FIRST INCIDENCE	---	303	---	---
<b>STATISTICAL TESTS</b>				
POLY 3	P=0.423N	P=0.237	(e)	(e)
POLY 1.5	P=0.411N	P=0.236	(e)	(e)
POLY 6	P=0.444N	P=0.238	(e)	(e)
COCH-ARM / FISHERS	P=0.392N	P=0.247	(e)	(e)
MAX-ISO-POLY-3	P=0.348N	P=0.076	(e)	(e)



Experiment Number: 10472 - 03  
Test Type: CHRONIC  
Route: RESPIRATORY EXPOSURE WHOLE BODY  
Species/Strain: RATS/HSD

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

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DOSE	Males			
	Control	100 ppm	300 ppm	1000 ppm
<b>Kidney: Renal Tubule Hyperplasia</b>				
<b>LESION RATES</b>				
OVERALL (a)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
POLY-3 RATE (b)	0/39.26	0/37.55	0/37.75	0/30.85
POLY-3 PERCENT (g)	0%	0%	0%	0%
TERMINAL (d)	0/25 (0%)	0/21 (0%)	0/15 (0%)	0/5 (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 - 03  
 Test Type: CHRONIC  
 Route: RESPIRATORY EXPOSURE WHOLE BODY  
 Species/Strain: RATS/HSD

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

DOSE	Males			
	Control	100 ppm	300 ppm	1000 ppm
<b>Larynx Inflammation</b>				
<b>LESION RATES</b>				
OVERALL (a)	5/50 (10%)	6/50 (12%)	6/50 (12%)	4/50 (8%)
POLY-3 RATE (b)	5/40.27	6/39.67	6/39.32	4/31.42
POLY-3 PERCENT (g)	12.4%	15.1%	15.3%	12.7%
TERMINAL (d)	2/25 (8%)	1/21 (5%)	0/15 (0%)	1/5 (20%)
FIRST INCIDENCE	542	347	530	617
<b>STATISTICAL TESTS</b>				
POLY 3	P=0.545N	P=0.489	P=0.483	P=0.624
POLY 1.5	P=0.462N	P=0.487	P=0.494	P=0.586N
POLY 6	P=0.471	P=0.494	P=0.455	P=0.512
COCH-ARM / FISHERS	P=0.362N	P=0.500	P=0.500	P=0.500N
MAX-ISO-POLY-3	P=0.641	P=0.363	P=0.357	P=0.485

Experiment Number: 10472 - 03  
 Test Type: CHRONIC  
 Route: RESPIRATORY EXPOSURE WHOLE BODY  
 Species/Strain: RATS/HSD

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS  
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 Lab: BNW

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

DOSE	Males			
	Control	100 ppm	300 ppm	1000 ppm
<b>Larynx: Squamous 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)	0/39.26	0/37.55	0/37.75	0/30.85
POLY-3 PERCENT (g)	0%	0%	0%	0%
TERMINAL (d)	0/25 (0%)	0/21 (0%)	0/15 (0%)	0/5 (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 - 03  
 Test Type: CHRONIC  
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 Species/Strain: RATS/HSD

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

DOSE	Males			
	Control	100 ppm	300 ppm	1000 ppm
<b>Liver</b>				
<b>Angiectasis</b>				
<b>LESION RATES</b>				
OVERALL (a)	0/50 (0%)	0/50 (0%)	0/50 (0%)	3/50 (6%)
POLY-3 RATE (b)	0/39.26	0/37.55	0/37.75	3/31.42
POLY-3 PERCENT (g)	0%	0%	0%	9.6%
TERMINAL (d)	0/25 (0%)	0/21 (0%)	0/15 (0%)	0/5 (0%)
FIRST INCIDENCE	---	---	---	645
<b>STATISTICAL TESTS</b>				
POLY 3	P=0.005**	(e)	(e)	P=0.083
POLY 1.5	P=0.006**	(e)	(e)	P=0.097
POLY 6	P=0.004**	(e)	(e)	P=0.064
COCH-ARM / FISHERS	P=0.009**	(e)	(e)	P=0.121
MAX-ISO-POLY-3	P=0.009**	(e)	(e)	P=0.036*

Experiment Number: 10472 - 03  
 Test Type: CHRONIC  
 Route: RESPIRATORY EXPOSURE WHOLE BODY  
 Species/Strain: RATS/HSD

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

Date Report Requested: 05/16/2016  
 Time Report Requested: 11:15:09  
 First Dose M/F: 01/17/11 / 01/17/11  
 Lab: BNW

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

DOSE	Males			
	Control	100 ppm	300 ppm	1000 ppm
<b>Liver</b>				
<b>Basophilic Focus</b>				
<b>LESION RATES</b>				
OVERALL (a)	2/50 (4%)	3/50 (6%)	4/50 (8%)	2/50 (4%)
POLY-3 RATE (b)	2/39.74	3/37.55	4/37.92	2/31.21
POLY-3 PERCENT (g)	5%	8%	10.6%	6.4%
TERMINAL (d)	1/25 (4%)	3/21 (14%)	2/15 (13%)	0/5 (0%)
FIRST INCIDENCE	589	729 (T)	697	654
<b>STATISTICAL TESTS</b>				
POLY 3	P=0.576	P=0.474	P=0.314	P=0.604
POLY 1.5	P=0.572N	P=0.480	P=0.327	P=0.645
POLY 6	P=0.466	P=0.467	P=0.287	P=0.534
COCH-ARM / FISHERS	P=0.500N	P=0.500	P=0.339	P=0.691N
MAX-ISO-POLY-3	P=0.491	P=0.305	P=0.187	P=0.411

Experiment Number: 10472 - 03  
 Test Type: CHRONIC  
 Route: RESPIRATORY EXPOSURE WHOLE BODY  
 Species/Strain: RATS/HSD

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

Date Report Requested: 05/16/2016  
 Time Report Requested: 11:15:09  
 First Dose M/F: 01/17/11 / 01/17/11  
 Lab: BNW

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

DOSE	Males			
	Control	100 ppm	300 ppm	1000 ppm
<b>Liver</b>				
<b>Clear Cell Focus</b>				
<b>LESION RATES</b>				
OVERALL (a)	40/50 (80%)	31/50 (62%)	29/50 (58%)	10/50 (20%)
POLY-3 RATE (b)	40/44.54	31/41.67	29/41.37	10/33.14
POLY-3 PERCENT (g)	89.8%	74.4%	70.1%	30.2%
TERMINAL (d)	25/25 (100%)	20/21 (95%)	15/15 (100%)	3/5 (60%)
FIRST INCIDENCE	485	306	463	549
<b>STATISTICAL TESTS</b>				
POLY 3	P<0.001N**	P=0.029N*	P=0.006N**	P<0.001N**
POLY 1.5	P<0.001N**	P=0.034N*	P=0.008N**	P<0.001N**
POLY 6	P<0.001N**	P=0.023N*	P=0.007N**	P<0.001N**
COCH-ARM / FISHERS	P<0.001N**	P=0.038N*	P=0.015N*	P<0.001N**
MAX-ISO-POLY-3	P<0.001N**	P=0.015N*	P=0.003N**	P<0.001N**

Experiment Number: 10472 - 03  
 Test Type: CHRONIC  
 Route: RESPIRATORY EXPOSURE WHOLE BODY  
 Species/Strain: RATS/HSD

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

Date Report Requested: 05/16/2016  
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 First Dose M/F: 01/17/11 / 01/17/11  
 Lab: BNW

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

DOSE	Males			
	Control	100 ppm	300 ppm	1000 ppm
<b>Liver</b>				
<b>Degeneration Cystic</b>				
<b>LESION RATES</b>				
<b>OVERALL (a)</b>	0/50 (0%)	2/50 (4%)	1/50 (2%)	1/50 (2%)
<b>POLY-3 RATE (b)</b>	0/39.26	2/38.55	1/37.75	1/30.95
<b>POLY-3 PERCENT (g)</b>	0%	5.2%	2.7%	3.2%
<b>TERMINAL (d)</b>	0/25 (0%)	0/21 (0%)	1/15 (7%)	0/5 (0%)
<b>FIRST INCIDENCE</b>	---	485	729 (T)	703
<b>STATISTICAL TESTS</b>				
<b>POLY 3</b>	P=0.533	P=0.232	P=0.492	P=0.453
<b>POLY 1.5</b>	P=0.575	P=0.232	P=0.497	P=0.474
<b>POLY 6</b>	P=0.462	P=0.234	P=0.481	P=0.419
<b>COCH-ARM / FISHERS</b>	P=0.627	P=0.247	P=0.500	P=0.500
<b>MAX-ISO-POLY-3</b>	P=0.333	P=0.075	P=0.158	P=0.158

Experiment Number: 10472 - 03  
 Test Type: CHRONIC  
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 Species/Strain: RATS/HSD

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

Date Report Requested: 05/16/2016  
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 Lab: BNW

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

DOSE	Males			
	Control	100 ppm	300 ppm	1000 ppm
<b>Liver</b>				
<b>Eosinophilic Focus</b>				
<b>LESION RATES</b>				
OVERALL (a)	1/50 (2%)	5/50 (10%)	6/50 (12%)	8/50 (16%)
POLY-3 RATE (b)	1/39.29	5/38.42	6/38.60	8/32.88
POLY-3 PERCENT (g)	2.6%	13%	15.5%	24.3%
TERMINAL (d)	0/25 (0%)	2/21 (10%)	2/15 (13%)	1/5 (20%)
FIRST INCIDENCE	722	631	618	575
<b>STATISTICAL TESTS</b>				
POLY 3	P=0.013*	P=0.094	P=0.051	P=0.006**
POLY 1.5	P=0.021*	P=0.094	P=0.054	P=0.009**
POLY 6	P=0.006**	P=0.096	P=0.044*	P=0.003**
COCH-ARM / FISHERS	P=0.037*	P=0.102	P=0.056	P=0.015*
MAX-ISO-POLY-3	P=0.011*	P=0.042*	P=0.022*	P=0.004**



Experiment Number: 10472 - 03  
 Test Type: CHRONIC  
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 Species/Strain: RATS/HSD

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Date Report Requested: 05/16/2016  
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**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(HSD)  
 TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Males			
	Control	100 ppm	300 ppm	1000 ppm
<b>Liver</b>				
<b>Fatty Change</b>				
<b>LESION RATES</b>				
OVERALL (a)	0/50 (0%)	3/50 (6%)	7/50 (14%)	26/50 (52%)
POLY-3 RATE (b)	0/39.26	3/38.22	7/39.34	26/37.86
POLY-3 PERCENT (g)	0%	7.9%	17.8%	68.7%
TERMINAL (d)	0/25 (0%)	0/21 (0%)	3/15 (20%)	5/5 (100%)
FIRST INCIDENCE	---	640	597	430
<b>STATISTICAL TESTS</b>				
POLY 3	P<0.001**	P=0.113	P=0.007**	P<0.001**
POLY 1.5	P<0.001**	P=0.113	P=0.007**	P<0.001**
POLY 6	P<0.001**	P=0.114	P=0.006**	P<0.001**
COCH-ARM / FISHERS	P<0.001**	P=0.121	P=0.006**	P<0.001**
MAX-ISO-POLY-3	P<0.001**	P=0.037*	P=0.002**	P<0.001**

Experiment Number: 10472 - 03  
 Test Type: CHRONIC  
 Route: RESPIRATORY EXPOSURE WHOLE BODY  
 Species/Strain: RATS/HSD

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

Date Report Requested: 05/16/2016  
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**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(HSD)  
 TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Males			
	Control	100 ppm	300 ppm	1000 ppm
<b>Liver</b>				
<b>Hematopoietic Cell Proliferation</b>				
<b>LESION RATES</b>				
OVERALL (a)	1/50 (2%)	1/50 (2%)	1/50 (2%)	0/50 (0%)
POLY-3 RATE (b)	1/40.13	1/38.48	1/37.96	0/30.85
POLY-3 PERCENT (g)	2.5%	2.6%	2.6%	0%
TERMINAL (d)	0/25 (0%)	0/21 (0%)	0/15 (0%)	0/5 (0%)
FIRST INCIDENCE	374	306	674	---
<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 - 03  
 Test Type: CHRONIC  
 Route: RESPIRATORY EXPOSURE WHOLE BODY  
 Species/Strain: RATS/HSD

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

Date Report Requested: 05/16/2016  
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**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(HSD)  
 TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Males			
	Control	100 ppm	300 ppm	1000 ppm
<b>Liver</b>				
<b>Hepatodiaphragmatic Nodule</b>				
<b>LESION RATES</b>				
OVERALL (a)	2/50 (4%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
POLY-3 RATE (b)	2/39.79	0/37.55	0/37.75	0/30.85
POLY-3 PERCENT (g)	5%	0%	0%	0%
TERMINAL (d)	1/25 (4%)	0/21 (0%)	0/15 (0%)	0/5 (0%)
FIRST INCIDENCE	568	---	---	---
<b>STATISTICAL TESTS</b>				
POLY 3	P=0.256N	P=0.250N	P=0.248N	P=0.297N
POLY 1.5	P=0.258N	P=0.247N	P=0.242N	P=0.269N
POLY 6	P=0.251N	P=0.253N	P=0.263N	P=0.348N
COCH-ARM / FISHERS	P=0.262N	P=0.247N	P=0.247N	P=0.247N
MAX-ISO-POLY-3	P=0.093N	P=0.088N	P=0.087N	P=0.133N

Experiment Number: 10472 - 03  
 Test Type: CHRONIC  
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 Species/Strain: RATS/HSD

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

DOSE	Males			
	Control	100 ppm	300 ppm	1000 ppm
<b>Liver</b>				
<b>Inflammation Chronic</b>				
<b>LESION RATES</b>				
OVERALL (a)	2/50 (4%)	1/50 (2%)	0/50 (0%)	0/50 (0%)
POLY-3 RATE (b)	2/39.26	1/38.07	0/37.75	0/30.85
POLY-3 PERCENT (g)	5.1%	2.6%	0%	0%
TERMINAL (d)	2/25 (8%)	0/21 (0%)	0/15 (0%)	0/5 (0%)
FIRST INCIDENCE	729 (T)	570	---	---
<b>STATISTICAL TESTS</b>				
POLY 3	P=0.200N	P=0.511N	P=0.245N	P=0.294N
POLY 1.5	P=0.194N	P=0.510N	P=0.240N	P=0.267N
POLY 6	P=0.208N	P=0.509N	P=0.257N	P=0.342N
COCH-ARM / FISHERS	P=0.186N	P=0.500N	P=0.247N	P=0.247N
MAX-ISO-POLY-3	P=0.158N	P=0.292N	P=0.084N	P=0.130N

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

DOSE	Males			
	Control	100 ppm	300 ppm	1000 ppm
<b>Liver</b>				
<b>Mixed Cell Focus</b>				
<b>LESION RATES</b>				
OVERALL (a)	2/50 (4%)	6/50 (12%)	3/50 (6%)	2/50 (4%)
POLY-3 RATE (b)	2/39.74	6/37.81	3/38.59	2/31.25
POLY-3 PERCENT (g)	5%	15.9%	7.8%	6.4%
TERMINAL (d)	1/25 (4%)	4/21 (19%)	1/15 (7%)	0/5 (0%)
FIRST INCIDENCE	588	674	590	649
<b>STATISTICAL TESTS</b>				
POLY 3	P=0.430N	P=0.114	P=0.486	P=0.605
POLY 1.5	P=0.373N	P=0.119	P=0.495	P=0.646
POLY 6	P=0.524N	P=0.110	P=0.466	P=0.535
COCH-ARM / FISHERS	P=0.304N	P=0.134	P=0.500	P=0.691N
MAX-ISO-POLY-3	P=0.407	P=0.061	P=0.313	P=0.411

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 Test Type: CHRONIC  
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 Species/Strain: RATS/HSD

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

DOSE	Males			
	Control	100 ppm	300 ppm	1000 ppm
<b>Liver: Bile Duct Cyst</b>				
<b>LESION RATES</b>				
OVERALL (a)	0/50 (0%)	1/50 (2%)	2/50 (4%)	0/50 (0%)
POLY-3 RATE (b)	0/39.26	1/37.86	2/38.19	0/30.85
POLY-3 PERCENT (g)	0%	2.6%	5.2%	0%
TERMINAL (d)	0/25 (0%)	0/21 (0%)	0/15 (0%)	0/5 (0%)
FIRST INCIDENCE	---	643	618	---
<b>STATISTICAL TESTS</b>				
POLY 3	P=0.589N	P=0.493	P=0.230	(e)
POLY 1.5	P=0.548N	P=0.493	P=0.235	(e)
POLY 6	P=0.654N	P=0.493	P=0.220	(e)
COCH-ARM / FISHERS	P=0.500N	P=0.500	P=0.247	(e)
MAX-ISO-POLY-3	P=0.374	P=0.158	P=0.075	(e)

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

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

DOSE	Males			
	Control	100 ppm	300 ppm	1000 ppm
<b>Liver: Bile Duct Hyperplasia</b>				
<b>LESION RATES</b>				
OVERALL (a)	32/50 (64%)	26/50 (52%)	24/50 (48%)	23/50 (46%)
POLY-3 RATE (b)	32/43.56	26/40.44	24/42.81	23/40.02
POLY-3 PERCENT (g)	73.5%	64.3%	56.1%	57.5%
TERMINAL (d)	21/25 (84%)	15/21 (71%)	7/15 (47%)	1/5 (20%)
FIRST INCIDENCE	493	558	514	96
<b>STATISTICAL TESTS</b>				
POLY 3	P=0.112N	P=0.235N	P=0.057N	P=0.076N
POLY 1.5	P=0.093N	P=0.214N	P=0.062N	P=0.060N
POLY 6	P=0.172N	P=0.251N	P=0.060N	P=0.125N
COCH-ARM / FISHERS	P=0.096N	P=0.156N	P=0.079N	P=0.054N
MAX-ISO-POLY-3	P=0.082N	P=0.173N	P=0.035N*	P=0.052N

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 Species/Strain: RATS/HSD

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

DOSE	Males			
	Control	100 ppm	300 ppm	1000 ppm
<b>Liver: Hepatocyte Necrosis</b>				
<b>LESION RATES</b>				
OVERALL (a)	3/50 (6%)	3/50 (6%)	4/50 (8%)	4/50 (8%)
POLY-3 RATE (b)	3/40.78	3/38.63	4/39.26	4/33.61
POLY-3 PERCENT (g)	7.4%	7.8%	10.2%	11.9%
TERMINAL (d)	0/25 (0%)	0/21 (0%)	0/15 (0%)	0/5 (0%)
FIRST INCIDENCE	485	565	530	421
<b>STATISTICAL TESTS</b>				
POLY 3	P=0.320	P=0.638	P=0.479	P=0.395
POLY 1.5	P=0.370	P=0.643	P=0.491	P=0.441
POLY 6	P=0.242	P=0.636	P=0.455	P=0.319
COCH-ARM / FISHERS	P=0.430	P=0.661N	P=0.500	P=0.500
MAX-ISO-POLY-3	P=0.439	P=0.472	P=0.330	P=0.272



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

DOSE	Males			
	Control	100 ppm	300 ppm	1000 ppm
<b>Liver: Hepatocyte, Centrilobular Hypertrophy</b>				
<b>LESION RATES</b>				
OVERALL (a)	2/50 (4%)	17/50 (34%)	39/50 (78%)	47/50 (94%)
POLY-3 RATE (b)	2/39.26	17/40.32	39/47.12	47/48.86
POLY-3 PERCENT (g)	5.1%	42.2%	82.8%	96.2%
TERMINAL (d)	2/25 (8%)	14/21 (67%)	14/15 (93%)	5/5 (100%)
FIRST INCIDENCE	729 (T)	303	463	96
<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**

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

DOSE	Males			
	Control	100 ppm	300 ppm	1000 ppm
<b>Liver: Hepatocyte, Centrilobular Necrosis</b>				
<b>LESION RATES</b>				
OVERALL (a)	0/50 (0%)	0/50 (0%)	1/50 (2%)	2/50 (4%)
POLY-3 RATE (b)	0/39.26	0/37.55	1/38.47	2/31.87
POLY-3 PERCENT (g)	0%	0%	2.6%	6.3%
TERMINAL (d)	0/25 (0%)	0/21 (0%)	0/15 (0%)	0/5 (0%)
FIRST INCIDENCE	---	---	477	530
<b>STATISTICAL TESTS</b>				
POLY 3	P=0.065	(e)	P=0.496	P=0.193
POLY 1.5	P=0.076	(e)	P=0.499	P=0.212
POLY 6	P=0.050*	(e)	P=0.487	P=0.166
COCH-ARM / FISHERS	P=0.090	(e)	P=0.500	P=0.247
MAX-ISO-POLY-3	P=0.079	(e)	P=0.158	P=0.074

Experiment Number: 10472 - 03  
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**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(HSD)  
 TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Males			
	Control	100 ppm	300 ppm	1000 ppm
<b>Lung Fibrosis</b>				
<b>LESION RATES</b>				
OVERALL (a)	8/50 (16%)	22/50 (44%)	28/50 (56%)	24/50 (48%)
POLY-3 RATE (b)	8/39.53	22/43.13	28/45.14	24/38.11
POLY-3 PERCENT (g)	20.2%	51%	62%	63%
TERMINAL (d)	5/25 (20%)	8/21 (38%)	7/15 (47%)	3/5 (60%)
FIRST INCIDENCE	674	303	477	486
<b>STATISTICAL TESTS</b>				
POLY 3	P=0.002**	P=0.002**	P<0.001**	P<0.001**
POLY 1.5	P=0.005**	P=0.002**	P<0.001**	P<0.001**
POLY 6	P<0.001**	P=0.004**	P<0.001**	P<0.001**
COCH-ARM / FISHERS	P=0.021*	P=0.002**	P<0.001**	P<0.001**
MAX-ISO-POLY-3	P<0.001**	P=0.002**	P<0.001**	P<0.001**

Experiment Number: 10472 - 03  
 Test Type: CHRONIC  
 Route: RESPIRATORY EXPOSURE WHOLE BODY  
 Species/Strain: RATS/HSD

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

Date Report Requested: 05/16/2016  
 Time Report Requested: 11:15:09  
 First Dose M/F: 01/17/11 / 01/17/11  
 Lab: BNW

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

DOSE	Males			
	Control	100 ppm	300 ppm	1000 ppm
<b>Lung</b>				
<b>Foreign Body</b>				
<b>LESION RATES</b>				
OVERALL (a)	0/50 (0%)	0/50 (0%)	0/50 (0%)	2/50 (4%)
POLY-3 RATE (b)	0/39.26	0/37.55	0/37.75	2/30.90
POLY-3 PERCENT (g)	0%	0%	0%	6.5%
TERMINAL (d)	0/25 (0%)	0/21 (0%)	0/15 (0%)	0/5 (0%)
FIRST INCIDENCE	---	---	---	718
<b>STATISTICAL TESTS</b>				
POLY 3	P=0.031*	(e)	(e)	P=0.187
POLY 1.5	P=0.035*	(e)	(e)	P=0.209
POLY 6	P=0.026*	(e)	(e)	P=0.157
COCH-ARM / FISHERS	P=0.042*	(e)	(e)	P=0.247
MAX-ISO-POLY-3	P=0.034*	(e)	(e)	P=0.074

Experiment Number: 10472 - 03  
 Test Type: CHRONIC  
 Route: RESPIRATORY EXPOSURE WHOLE BODY  
 Species/Strain: RATS/HSD

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

Date Report Requested: 05/16/2016  
 Time Report Requested: 11:15:09  
 First Dose M/F: 01/17/11 / 01/17/11  
 Lab: BNW

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

DOSE	Males			
	Control	100 ppm	300 ppm	1000 ppm
<b>Lung Hemorrhage</b>				
<b>LESION RATES</b>				
OVERALL (a)	11/50 (22%)	23/50 (46%)	28/50 (56%)	28/50 (56%)
POLY-3 RATE (b)	11/40.63	23/44.53	28/45.47	28/41.57
POLY-3 PERCENT (g)	27.1%	51.7%	61.6%	67.4%
TERMINAL (d)	5/25 (20%)	8/21 (38%)	7/15 (47%)	4/5 (80%)
FIRST INCIDENCE	537	303	477	430
<b>STATISTICAL TESTS</b>				
POLY 3	P=0.002**	P=0.015*	P<0.001**	P<0.001**
POLY 1.5	P=0.002**	P=0.011*	P<0.001**	P<0.001**
POLY 6	P<0.001**	P=0.023*	P<0.001**	P<0.001**
COCH-ARM / FISHERS	P=0.006**	P=0.010**	P<0.001**	P<0.001**
MAX-ISO-POLY-3	P<0.001**	P=0.011*	P<0.001**	P<0.001**

Experiment Number: 10472 - 03  
 Test Type: CHRONIC  
 Route: RESPIRATORY EXPOSURE WHOLE BODY  
 Species/Strain: RATS/HSD

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

p-Chloro-a,a,a-trifluorotoluene

CAS Number: 98-56-6

Date Report Requested: 05/16/2016

Time Report Requested: 11:15:09

First Dose M/F: 01/17/11 / 01/17/11

Lab: BNW

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

DOSE	Males			
	Control	100 ppm	300 ppm	1000 ppm
<b>Lung Inflammation Chronic</b>				
<b>LESION RATES</b>				
OVERALL (a)	32/50 (64%)	42/50 (84%)	47/50 (94%)	45/50 (90%)
POLY-3 RATE (b)	32/44.64	42/48.35	47/49.32	45/47.31
POLY-3 PERCENT (g)	71.7%	86.9%	95.3%	95.1%
TERMINAL (d)	17/25 (68%)	17/21 (81%)	13/15 (87%)	5/5 (100%)
FIRST INCIDENCE	505	303	463	421
<b>STATISTICAL TESTS</b>				
POLY 3	P=0.004**	P=0.049*	P<0.001**	P<0.001**
POLY 1.5	P=0.004**	P=0.029*	P<0.001**	P<0.001**
POLY 6	P=0.005**	P=0.093	P=0.003**	P<0.001**
COCH-ARM / FISHERS	P=0.010**	P=0.020*	P<0.001**	P=0.002**
MAX-ISO-POLY-3	P<0.001**	P=0.032*	P<0.001**	P<0.001**

Experiment Number: 10472 - 03  
 Test Type: CHRONIC  
 Route: RESPIRATORY EXPOSURE WHOLE BODY  
 Species/Strain: RATS/HSD

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

Date Report Requested: 05/16/2016  
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 First Dose M/F: 01/17/11 / 01/17/11  
 Lab: BNW

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

DOSE	Males			
	Control	100 ppm	300 ppm	1000 ppm
<b>Lung Metaplasia</b>				
<b>LESION RATES</b>				
OVERALL (a)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
POLY-3 RATE (b)	0/39.26	0/37.55	0/37.75	0/30.85
POLY-3 PERCENT (g)	0%	0%	0%	0%
TERMINAL (d)	0/25 (0%)	0/21 (0%)	0/15 (0%)	0/5 (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 - 03  
 Test Type: CHRONIC  
 Route: RESPIRATORY EXPOSURE WHOLE BODY  
 Species/Strain: RATS/HSD

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

p-Chloro-a,a,a-trifluorotoluene

CAS Number: 98-56-6

Date Report Requested: 05/16/2016

Time Report Requested: 11:15:09

First Dose M/F: 01/17/11 / 01/17/11

Lab: BNW

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

DOSE	Males			
	Control	100 ppm	300 ppm	1000 ppm
<b>Lung</b>				
<b>Metaplasia Osseous</b>				
<b>LESION RATES</b>				
OVERALL (a)	12/50 (24%)	17/50 (34%)	17/50 (34%)	9/50 (18%)
POLY-3 RATE (b)	12/42.46	17/42.95	17/41.45	9/34.23
POLY-3 PERCENT (g)	28.3%	39.6%	41%	26.3%
TERMINAL (d)	6/25 (24%)	5/21 (24%)	7/15 (47%)	2/5 (40%)
FIRST INCIDENCE	374	303	530	96
<b>STATISTICAL TESTS</b>				
POLY 3	P=0.313N	P=0.187	P=0.153	P=0.526N
POLY 1.5	P=0.198N	P=0.182	P=0.169	P=0.424N
POLY 6	P=0.522N	P=0.198	P=0.131	P=0.531
COCH-ARM / FISHERS	P=0.104N	P=0.189	P=0.189	P=0.312N
MAX-ISO-POLY-3	P=0.333N	P=0.132	P=0.107	P=0.428N



Experiment Number: 10472 - 03  
 Test Type: CHRONIC  
 Route: RESPIRATORY EXPOSURE WHOLE BODY  
 Species/Strain: RATS/HSD

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

Date Report Requested: 05/16/2016  
 Time Report Requested: 11:15:09  
 First Dose M/F: 01/17/11 / 01/17/11  
 Lab: BNW

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

DOSE	Males			
	Control	100 ppm	300 ppm	1000 ppm
<b>Lung: Alveolar Epithelium Hyperplasia</b>				
<b>LESION RATES</b>				
OVERALL (a)	1/50 (2%)	2/50 (4%)	0/50 (0%)	0/50 (0%)
POLY-3 RATE (b)	1/39.26	2/37.61	0/37.75	0/30.85
POLY-3 PERCENT (g)	2.6%	5.3%	0%	0%
TERMINAL (d)	1/25 (4%)	1/21 (5%)	0/15 (0%)	0/5 (0%)
FIRST INCIDENCE	729 (T)	715	---	---
<b>STATISTICAL TESTS</b>				
POLY 3	P=0.257N	P=0.485	P=0.508N	P=0.548N
POLY 1.5	P=0.245N	P=0.487	P=0.503N	P=0.526N
POLY 6	P=0.275N	P=0.484	P=0.519N	P=0.582N
COCH-ARM / FISHERS	P=0.228N	P=0.500	P=0.500N	P=0.500N
MAX-ISO-POLY-3	P=0.260N	P=0.271	P=0.168N	P=0.216N

Experiment Number: 10472 - 03  
 Test Type: CHRONIC  
 Route: RESPIRATORY EXPOSURE WHOLE BODY  
 Species/Strain: RATS/HSD

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

Date Report Requested: 05/16/2016  
 Time Report Requested: 11:15:09  
 First Dose M/F: 01/17/11 / 01/17/11  
 Lab: BNW

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

DOSE	Males			
	Control	100 ppm	300 ppm	1000 ppm
<b>Lung: Alveolus Infiltration Cellular Histiocyte</b>				
<b>LESION RATES</b>				
OVERALL (a)	27/50 (54%)	26/50 (52%)	27/50 (54%)	22/50 (44%)
POLY-3 RATE (b)	27/45.30	26/45.32	27/44.11	22/41.28
POLY-3 PERCENT (g)	59.6%	57.4%	61.2%	53.3%
TERMINAL (d)	15/25 (60%)	9/21 (43%)	10/15 (67%)	1/5 (20%)
FIRST INCIDENCE	374	303	463	96
<b>STATISTICAL TESTS</b>				
POLY 3	P=0.319N	P=0.499N	P=0.525	P=0.348N
POLY 1.5	P=0.245N	P=0.496N	P=0.554	P=0.280N
POLY 6	P=0.444N	P=0.509N	P=0.471	P=0.463N
COCH-ARM / FISHERS	P=0.169N	P=0.500N	P=0.579N	P=0.212N
MAX-ISO-POLY-3	P=0.449N	P=0.410N	P=0.435	P=0.278N

Experiment Number: 10472 - 03  
 Test Type: CHRONIC  
 Route: RESPIRATORY EXPOSURE WHOLE BODY  
 Species/Strain: RATS/HSD

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS  
 p-Chloro-a,a,a-trifluorotoluene  
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Date Report Requested: 05/16/2016  
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 Lab: BNW

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

DOSE	Males			
	Control	100 ppm	300 ppm	1000 ppm
<b>Lymph Node, Mandibular Congestion</b>				
<b>LESION RATES</b>				
OVERALL (a)	0/50 (0%)	1/50 (2%)	2/50 (4%)	1/50 (2%)
POLY-3 RATE (b)	0/39.26	1/38.25	2/38.88	1/31.25
POLY-3 PERCENT (g)	0%	2.6%	5.1%	3.2%
TERMINAL (d)	0/25 (0%)	0/21 (0%)	0/15 (0%)	0/5 (0%)
FIRST INCIDENCE	---	485	534	614
<b>STATISTICAL TESTS</b>				
POLY 3	P=0.419	P=0.495	P=0.234	P=0.455
POLY 1.5	P=0.468	P=0.495	P=0.237	P=0.475
POLY 6	P=0.340	P=0.495	P=0.226	P=0.422
COCH-ARM / FISHERS	P=0.526	P=0.500	P=0.247	P=0.500
MAX-ISO-POLY-3	P=0.276	P=0.158	P=0.075	P=0.158

Experiment Number: 10472 - 03  
 Test Type: CHRONIC  
 Route: RESPIRATORY EXPOSURE WHOLE BODY  
 Species/Strain: RATS/HSD

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS  
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Date Report Requested: 05/16/2016  
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**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(HSD)  
 TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Males			
	Control	100 ppm	300 ppm	1000 ppm
<b>Lymph Node, Mandibular Hyperplasia</b>				
<b>LESION RATES</b>				
OVERALL (a)	3/50 (6%)	1/50 (2%)	1/50 (2%)	0/50 (0%)
POLY-3 RATE (b)	3/40.37	1/38.08	1/38.43	0/30.85
POLY-3 PERCENT (g)	7.4%	2.6%	2.6%	0%
TERMINAL (d)	0/25 (0%)	0/21 (0%)	0/15 (0%)	0/5 (0%)
FIRST INCIDENCE	537	565	500	---
<b>STATISTICAL TESTS</b>				
POLY 3	P=0.152N	P=0.326N	P=0.322N	P=0.173N
POLY 1.5	P=0.138N	P=0.321N	P=0.312N	P=0.147N
POLY 6	P=0.177N	P=0.330N	P=0.345N	P=0.226N
COCH-ARM / FISHERS	P=0.123N	P=0.309N	P=0.309N	P=0.121N
MAX-ISO-POLY-3	P=0.112N	P=0.175N	P=0.171N	P=0.087N

Experiment Number: 10472 - 03  
 Test Type: CHRONIC  
 Route: RESPIRATORY EXPOSURE WHOLE BODY  
 Species/Strain: RATS/HSD

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS  
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 Lab: BNW

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

DOSE	Males			
	Control	100 ppm	300 ppm	1000 ppm
<b>Lymph Node, Mediastinal Congestion</b>				
<b>LESION RATES</b>				
OVERALL (a)	3/50 (6%)	2/49 (4%)	5/50 (10%)	8/50 (16%)
POLY-3 RATE (b)	3/40.56	2/38.04	5/39.32	8/34.23
POLY-3 PERCENT (g)	7.4%	5.3%	12.7%	23.4%
TERMINAL (d)	1/25 (4%)	0/21 (0%)	1/15 (7%)	0/5 (0%)
FIRST INCIDENCE	493	485	477	476
<b>STATISTICAL TESTS</b>				
POLY 3	P=0.012*	P=0.529N	P=0.338	P=0.050*
POLY 1.5	P=0.018*	P=0.526N	P=0.349	P=0.068
POLY 6	P=0.006**	P=0.530N	P=0.312	P=0.030*
COCH-ARM / FISHERS	P=0.028*	P=0.510N	P=0.357	P=0.100
MAX-ISO-POLY-3	P=0.019*	P=0.352N	P=0.218	P=0.034*

Experiment Number: 10472 - 03  
 Test Type: CHRONIC  
 Route: RESPIRATORY EXPOSURE WHOLE BODY  
 Species/Strain: RATS/HSD

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

Date Report Requested: 05/16/2016  
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 Lab: BNW

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

DOSE	Males			
	Control	100 ppm	300 ppm	1000 ppm
<b>Lymph Node, Mesenteric Congestion</b>				
<b>LESION RATES</b>				
OVERALL (a)	1/49 (2%)	2/50 (4%)	0/50 (0%)	0/50 (0%)
POLY-3 RATE (b)	1/39.77	2/38.58	0/37.75	0/30.85
POLY-3 PERCENT (g)	2.5%	5.2%	0%	0%
TERMINAL (d)	0/25 (0%)	0/21 (0%)	0/15 (0%)	0/5 (0%)
FIRST INCIDENCE	516	485	---	---
<b>STATISTICAL TESTS</b>				
POLY 3	P=0.259N	P=0.489	P=0.510N	P=0.550N
POLY 1.5	P=0.245N	P=0.492	P=0.503N	P=0.526N
POLY 6	P=0.279N	P=0.489	P=0.524N	P=0.586N
COCH-ARM / FISHERS	P=0.226N	P=0.508	P=0.495N	P=0.495N
MAX-ISO-POLY-3	P=0.269N	P=0.275	P=0.172N	P=0.220N

Experiment Number: 10472 - 03  
Test Type: CHRONIC  
Route: RESPIRATORY EXPOSURE WHOLE BODY  
Species/Strain: RATS/HSD

**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: 01/17/11 / 01/17/11

Lab: BNW

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

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DOSE	Males			
	Control	100 ppm	300 ppm	1000 ppm
<b>Lymph Node: Iliac Hyperplasia</b>				
<b>LESION RATES</b>				
OVERALL (a)	1/7 (14%)	0/7 (0%)	0/10 (0%)	0/4 (0%)
POLY-3 RATE (b)	1/5.41	0/5.32	0/7.16	0/2.01
POLY-3 PERCENT (g)	18.5%	0%	0%	0%
TERMINAL (d)	1/2 (50%)	0/3 (0%)	0/2 (0%)	0/0 (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)

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Experiment Number: 10472 - 03  
 Test Type: CHRONIC  
 Route: RESPIRATORY EXPOSURE WHOLE BODY  
 Species/Strain: RATS/HSD

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

DOSE	Males			
	Control	100 ppm	300 ppm	1000 ppm
<b>Lymph Node: Renal Congestion</b>				
<b>LESION RATES</b>				
OVERALL (a)	1/7 (14%)	4/7 (57%)	9/10 (90%)	3/4 (75%)
POLY-3 RATE (b)	1/5.41	4/6.92	9/10.00	3/3.28
POLY-3 PERCENT (g)	18.5%	57.8%	90%	91.5%
TERMINAL (d)	1/2 (50%)	1/3 (33%)	1/2 (50%)	0/0 (0%)
FIRST INCIDENCE	729 (T)	485	528	516
<b>STATISTICAL TESTS</b>				
POLY 3	P=0.042*	P=0.206	P<0.001**	P=0.036*
POLY 1.5	P=0.045*	P=0.166	P<0.001**	P=0.042*
POLY 6	P=0.051	P=0.276	P=0.008**	P=0.039*
COCH-ARM / FISHERS	P=0.096	P=0.133	P=0.004**	P=0.088
MAX-ISO-POLY-3	P=0.021*	P=0.103	P<0.001**	P=0.007**



Experiment Number: 10472 - 03  
 Test Type: CHRONIC  
 Route: RESPIRATORY EXPOSURE WHOLE BODY  
 Species/Strain: RATS/HSD

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS  
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 First Dose M/F: 01/17/11 / 01/17/11  
 Lab: BNW

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

DOSE	Males			
	Control	100 ppm	300 ppm	1000 ppm
<b>Lymph Node: Renal Ectasia</b>				
<b>LESION RATES</b>				
OVERALL (a)	0/7 (0%)	2/7 (29%)	0/10 (0%)	0/4 (0%)
POLY-3 RATE (b)	0/5.41	2/5.32	0/7.16	0/2.01
POLY-3 PERCENT (g)	0%	37.6%	0%	0%
TERMINAL (d)	0/2 (0%)	2/3 (67%)	0/2 (0%)	0/0 (0%)
FIRST INCIDENCE	---	729 (T)	---	---
<b>STATISTICAL TESTS</b>				
POLY 3	P=0.509N	P=0.203	(e)	(e)
POLY 1.5	P=0.509N	P=0.209	(e)	(e)
POLY 6	P=0.495N	P=0.198	(e)	(e)
COCH-ARM / FISHERS	P=0.500N	P=0.231	(e)	(e)
MAX-ISO-POLY-3	P=0.464N	P=0.051	(e)	(e)

Experiment Number: 10472 - 03  
Test Type: CHRONIC  
Route: RESPIRATORY EXPOSURE WHOLE BODY  
Species/Strain: RATS/HSD

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

p-Chloro-a,a,a-trifluorotoluene

CAS Number: 98-56-6

Date Report Requested: 05/16/2016

Time Report Requested: 11:15:09

First Dose M/F: 01/17/11 / 01/17/11

Lab: BNW

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

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DOSE	Males			
	Control	100 ppm	300 ppm	1000 ppm
<b>Mammary Gland Hyperplasia Cystic</b>				
<b>LESION RATES</b>				
OVERALL (a)	0/43 (0%)	0/38 (0%)	0/38 (0%)	0/37 (0%)
POLY-3 RATE (b)	0/33.83	0/29.37	0/27.80	0/21.85
POLY-3 PERCENT (g)	0%	0%	0%	0%
TERMINAL (d)	0/23 (0%)	0/16 (0%)	0/10 (0%)	0/2 (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 - 03  
Test Type: CHRONIC  
Route: RESPIRATORY EXPOSURE WHOLE BODY  
Species/Strain: RATS/HSD

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 RATS(HSD)  
TERMINAL SACRIFICE AT 105 WEEKS**

---

DOSE	Males			
	Control	100 ppm	300 ppm	1000 ppm
<b>Mesentery: Fat Necrosis</b>				
<b>LESION RATES</b>				
OVERALL (a)	1/2 (50%)	2/2 (100%)	1/1 (100%)	0/1 (0%)
POLY-3 RATE (b)	1/1.53	2/2.00	1/1.00	0/0.84
POLY-3 PERCENT (g)	65.4%	100%	100%	0%
TERMINAL (d)	0/0 (0%)	0/0 (0%)	0/0 (0%)	0/0 (0%)
FIRST INCIDENCE	674	676	514	---
<b>STATISTICAL TESTS</b>				
POLY 3	P=0.273N	P=0.745	P=0.786	P=0.623N
POLY 1.5	P=0.315N	P=0.610	P=0.693	P=0.616N
POLY 6	P=0.210N	P=0.970	P=0.958	P=0.652N
COCH-ARM / FISHERS	P=0.355N	P=0.500	P=0.667	P=0.667N
MAX-ISO-POLY-3	P=0.085N	P=0.189	P=0.291	P=0.247N

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Experiment Number: 10472 - 03  
 Test Type: CHRONIC  
 Route: RESPIRATORY EXPOSURE WHOLE BODY  
 Species/Strain: RATS/HSD

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

DOSE	Males			
	Control	100 ppm	300 ppm	1000 ppm
<b>Nose Exudate</b>				
<b>LESION RATES</b>				
OVERALL (a)	8/50 (16%)	12/50 (24%)	12/50 (24%)	18/50 (36%)
POLY-3 RATE (b)	8/39.87	12/38.87	12/40.21	18/35.67
POLY-3 PERCENT (g)	20.1%	30.9%	29.8%	50.5%
TERMINAL (d)	5/25 (20%)	8/21 (38%)	5/15 (33%)	2/5 (40%)
FIRST INCIDENCE	618	485	571	476
<b>STATISTICAL TESTS</b>				
POLY 3	P=0.004**	P=0.196	P=0.223	P=0.003**
POLY 1.5	P=0.008**	P=0.201	P=0.227	P=0.007**
POLY 6	P<0.001**	P=0.194	P=0.207	P<0.001**
COCH-ARM / FISHERS	P=0.019*	P=0.227	P=0.227	P=0.020*
MAX-ISO-POLY-3	P=0.005**	P=0.135	P=0.153	P=0.002**

Experiment Number: 10472 - 03  
 Test Type: CHRONIC  
 Route: RESPIRATORY EXPOSURE WHOLE BODY  
 Species/Strain: RATS/HSD

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

DOSE	Males			
	Control	100 ppm	300 ppm	1000 ppm
<b>Nose Inflammation</b>				
<b>LESION RATES</b>				
OVERALL (a)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
POLY-3 RATE (b)	0/39.26	0/37.55	0/37.75	0/30.85
POLY-3 PERCENT (g)	0%	0%	0%	0%
TERMINAL (d)	0/25 (0%)	0/21 (0%)	0/15 (0%)	0/5 (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 - 03  
 Test Type: CHRONIC  
 Route: RESPIRATORY EXPOSURE WHOLE BODY  
 Species/Strain: RATS/HSD

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

DOSE	Males			
	Control	100 ppm	300 ppm	1000 ppm
<b>Nose</b>				
<b>Inflammation Chronic</b>				
<b>LESION RATES</b>				
OVERALL (a)	2/50 (4%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
POLY-3 RATE (b)	2/40.44	0/37.55	0/37.75	0/30.85
POLY-3 PERCENT (g)	5%	0%	0%	0%
TERMINAL (d)	0/25 (0%)	0/21 (0%)	0/15 (0%)	0/5 (0%)
FIRST INCIDENCE	493	---	---	---
<b>STATISTICAL TESTS</b>				
POLY 3	P=0.254N	P=0.254N	P=0.252N	P=0.302N
POLY 1.5	P=0.256N	P=0.249N	P=0.244N	P=0.272N
POLY 6	P=0.248N	P=0.258N	P=0.269N	P=0.355N
COCH-ARM / FISHERS	P=0.262N	P=0.247N	P=0.247N	P=0.247N
MAX-ISO-POLY-3	P=0.098N	P=0.092N	P=0.090N	P=0.136N

Experiment Number: 10472 - 03  
 Test Type: CHRONIC  
 Route: RESPIRATORY EXPOSURE WHOLE BODY  
 Species/Strain: RATS/HSD

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

p-Chloro-a,a,a-trifluorotoluene

CAS Number: 98-56-6

Date Report Requested: 05/16/2016

Time Report Requested: 11:15:09

First Dose M/F: 01/17/11 / 01/17/11

Lab: BNW

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

DOSE	Males			
	Control	100 ppm	300 ppm	1000 ppm
<b>Nose: Olfactory Epithelium Accumulation, Hyaline Droplet</b>				
<b>LESION RATES</b>				
OVERALL (a)	37/50 (74%)	31/50 (62%)	34/50 (68%)	30/50 (60%)
POLY-3 RATE (b)	37/48.14	31/46.35	34/46.83	30/44.62
POLY-3 PERCENT (g)	76.9%	66.9%	72.6%	67.2%
TERMINAL (d)	16/25 (64%)	10/21 (48%)	8/15 (53%)	1/5 (20%)
FIRST INCIDENCE	374	306	463	421
<b>STATISTICAL TESTS</b>				
POLY 3	P=0.286N	P=0.192N	P=0.402N	P=0.202N
POLY 1.5	P=0.235N	P=0.173N	P=0.365N	P=0.158N
POLY 6	P=0.391N	P=0.217N	P=0.468N	P=0.296N
COCH-ARM / FISHERS	P=0.165N	P=0.142N	P=0.330N	P=0.101N
MAX-ISO-POLY-3	P=0.252N	P=0.138N	P=0.314N	P=0.149N

Experiment Number: 10472 - 03  
 Test Type: CHRONIC  
 Route: RESPIRATORY EXPOSURE WHOLE BODY  
 Species/Strain: RATS/HSD

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

DOSE	Males			
	Control	100 ppm	300 ppm	1000 ppm
<b>Nose: Olfactory Epithelium Degeneration</b>				
<b>LESION RATES</b>				
OVERALL (a)	1/50 (2%)	0/50 (0%)	2/50 (4%)	2/50 (4%)
POLY-3 RATE (b)	1/39.95	0/37.55	2/38.40	2/31.32
POLY-3 PERCENT (g)	2.5%	0%	5.2%	6.4%
TERMINAL (d)	0/25 (0%)	0/21 (0%)	1/15 (7%)	0/5 (0%)
FIRST INCIDENCE	493	---	514	617
<b>STATISTICAL TESTS</b>				
POLY 3	P=0.207	P=0.512N	P=0.486	P=0.416
POLY 1.5	P=0.241	P=0.509N	P=0.494	P=0.453
POLY 6	P=0.160	P=0.515N	P=0.468	P=0.359
COCH-ARM / FISHERS	P=0.281	P=0.500N	P=0.500	P=0.500
MAX-ISO-POLY-3	P=0.248	P=0.174N	P=0.272	P=0.238



Experiment Number: 10472 - 03  
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**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(HSD)  
 TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Males			
	Control	100 ppm	300 ppm	1000 ppm
<b>Pancreas: Acinus Atrophy</b>				
<b>LESION RATES</b>				
OVERALL (a)	8/50 (16%)	6/50 (12%)	6/50 (12%)	4/50 (8%)
POLY-3 RATE (b)	8/40.59	6/37.55	6/38.43	4/32.56
POLY-3 PERCENT (g)	19.7%	16%	15.6%	12.3%
TERMINAL (d)	3/25 (12%)	6/21 (29%)	3/15 (20%)	1/5 (20%)
FIRST INCIDENCE	493	729 (T)	597	421
<b>STATISTICAL TESTS</b>				
POLY 3	P=0.283N	P=0.447N	P=0.428N	P=0.297N
POLY 1.5	P=0.231N	P=0.429N	P=0.405N	P=0.239N
POLY 6	P=0.385N	P=0.471N	P=0.478N	P=0.411N
COCH-ARM / FISHERS	P=0.179N	P=0.387N	P=0.387N	P=0.178N
MAX-ISO-POLY-3	P=0.360N	P=0.339N	P=0.320N	P=0.221N

Experiment Number: 10472 - 03  
Test Type: CHRONIC  
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Species/Strain: RATS/HSD

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

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DOSE	Males			
	Control	100 ppm	300 ppm	1000 ppm
<b>Pancreas: Acinus Hyperplasia</b>				
<b>LESION RATES</b>				
OVERALL (a)	7/50 (14%)	11/50 (22%)	12/50 (24%)	11/50 (22%)
POLY-3 RATE (b)	7/40.47	11/40.97	12/40.24	11/33.58
POLY-3 PERCENT (g)	17.3%	26.9%	29.8%	32.8%
TERMINAL (d)	3/25 (12%)	4/21 (19%)	6/15 (40%)	1/5 (20%)
FIRST INCIDENCE	537	303	528	549
<b>STATISTICAL TESTS</b>				
POLY 3	P=0.137	P=0.218	P=0.140	P=0.098
POLY 1.5	P=0.208	P=0.212	P=0.149	P=0.142
POLY 6	P=0.066	P=0.229	P=0.117	P=0.052
COCH-ARM / FISHERS	P=0.327	P=0.218	P=0.154	P=0.218
MAX-ISO-POLY-3	P=0.140	P=0.148	P=0.090	P=0.074

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

DOSE	Males			
	Control	100 ppm	300 ppm	1000 ppm
<b>Pancreas: Artery Inflammation</b>				
<b>LESION RATES</b>				
OVERALL (a)	17/50 (34%)	19/50 (38%)	19/50 (38%)	19/50 (38%)
POLY-3 RATE (b)	17/42.99	19/41.23	19/41.09	19/37.79
POLY-3 PERCENT (g)	39.6%	46.1%	46.2%	50.3%
TERMINAL (d)	7/25 (28%)	9/21 (43%)	7/15 (47%)	1/5 (20%)
FIRST INCIDENCE	493	558	528	421
<b>STATISTICAL TESTS</b>				
POLY 3	P=0.241	P=0.348	P=0.341	P=0.221
POLY 1.5	P=0.330	P=0.356	P=0.381	P=0.298
POLY 6	P=0.128	P=0.356	P=0.273	P=0.125
COCH-ARM / FISHERS	P=0.448	P=0.418	P=0.418	P=0.418
MAX-ISO-POLY-3	P=0.286	P=0.273	P=0.267	P=0.173

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

DOSE	Males			
	Control	100 ppm	300 ppm	1000 ppm
<b>Parathyroid Gland Fibrosis</b>				
<b>LESION RATES</b>				
OVERALL (a)	0/48 (0%)	0/48 (0%)	0/48 (0%)	0/46 (0%)
POLY-3 RATE (b)	0/37.26	0/35.55	0/36.51	0/28.04
POLY-3 PERCENT (g)	0%	0%	0%	0%
TERMINAL (d)	0/23 (0%)	0/19 (0%)	0/15 (0%)	0/4 (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 RATS(HSD)  
 TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Males			
	Control	100 ppm	300 ppm	1000 ppm
<b>Parathyroid Gland Hyperplasia</b>				
<b>LESION RATES</b>				
OVERALL (a)	4/48 (8%)	1/48 (2%)	4/48 (8%)	1/46 (2%)
POLY-3 RATE (b)	4/38.44	1/35.76	4/37.33	1/28.20
POLY-3 PERCENT (g)	10.4%	2.8%	10.7%	3.6%
TERMINAL (d)	2/23 (9%)	0/19 (0%)	2/15 (13%)	0/4 (0%)
FIRST INCIDENCE	485	674	530	688
<b>STATISTICAL TESTS</b>				
POLY 3	P=0.355N	P=0.199N	P=0.629	P=0.285N
POLY 1.5	P=0.306N	P=0.194N	P=0.638	P=0.240N
POLY 6	P=0.441N	P=0.204N	P=0.608	P=0.366N
COCH-ARM / FISHERS	P=0.256N	P=0.181N	P=0.643N	P=0.194N
MAX-ISO-POLY-3	P=0.293N	P=0.103N	P=0.482	P=0.181N

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

DOSE	Males			
	Control	100 ppm	300 ppm	1000 ppm
<b>Peripheral Nerve: Axon Degeneration</b>				
<b>LESION RATES</b>				
OVERALL (a)	3/7 (43%)	0/5 (0%)	0/4 (0%)	0/2 (0%)
POLY-3 RATE (b)	3/5.36	0/3.31	0/3.62	0/1.14
POLY-3 PERCENT (g)	56%	0%	0%	0%
TERMINAL (d)	0/1 (0%)	0/0 (0%)	0/1 (0%)	0/0 (0%)
FIRST INCIDENCE	537	---	---	---
<b>STATISTICAL TESTS</b>				
POLY 3	P=0.178N	P=0.153N	P=0.123N	P=0.480N
POLY 1.5	P=0.226N	P=0.152N	P=0.151N	P=0.432N
POLY 6	P=0.097N	P=0.165N	P=0.102N	P=0.578N
COCH-ARM / FISHERS	P=0.289N	P=0.159N	P=0.212N	P=0.417N
MAX-ISO-POLY-3	P=0.263N	P=0.055N	P=0.030N*	P=0.223N

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

DOSE	Males			
	Control	100 ppm	300 ppm	1000 ppm
<b>Pituitary Gland Angiectasis</b>				
<b>LESION RATES</b>				
OVERALL (a)	0/50 (0%)	1/50 (2%)	1/49 (2%)	0/50 (0%)
POLY-3 RATE (b)	0/39.26	1/37.55	1/37.16	0/30.85
POLY-3 PERCENT (g)	0%	2.7%	2.7%	0%
TERMINAL (d)	0/25 (0%)	1/21 (5%)	1/15 (7%)	0/5 (0%)
FIRST INCIDENCE	---	729 (T)	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 - 03  
 Test Type: CHRONIC  
 Route: RESPIRATORY EXPOSURE WHOLE BODY  
 Species/Strain: RATS/HSD

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

DOSE	Males			
	Control	100 ppm	300 ppm	1000 ppm
<b>Pituitary Gland Cyst</b>				
<b>LESION RATES</b>				
OVERALL (a)	2/50 (4%)	3/50 (6%)	5/49 (10%)	1/50 (2%)
POLY-3 RATE (b)	2/40.01	3/37.98	5/38.88	1/31.08
POLY-3 PERCENT (g)	5%	7.9%	12.9%	3.2%
TERMINAL (d)	0/25 (0%)	1/21 (5%)	1/15 (7%)	0/5 (0%)
FIRST INCIDENCE	618	631	477	668
<b>STATISTICAL TESTS</b>				
POLY 3	P=0.431N	P=0.476	P=0.202	P=0.587N
POLY 1.5	P=0.363N	P=0.481	P=0.208	P=0.548N
POLY 6	P=0.548N	P=0.471	P=0.187	P=0.648N
COCH-ARM / FISHERS	P=0.289N	P=0.500	P=0.210	P=0.500N
MAX-ISO-POLY-3	P=0.375N	P=0.306	P=0.111	P=0.371N



Experiment Number: 10472 - 03  
Test Type: CHRONIC  
Route: RESPIRATORY EXPOSURE WHOLE BODY  
Species/Strain: RATS/HSD

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

Date Report Requested: 05/16/2016  
Time Report Requested: 11:15:09  
First Dose M/F: 01/17/11 / 01/17/11  
Lab: BNW

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

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DOSE	Males			
	Control	100 ppm	300 ppm	1000 ppm

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Pituitary Gland: Pars Distalis  
Hyperplasia

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**LESION RATES**

OVERALL (a)	13/50 (26%)	15/50 (30%)	12/49 (24%)	8/50 (16%)
POLY-3 RATE (b)	13/41.82	15/38.98	12/38.28	8/32.77
POLY-3 PERCENT (g)	31.1%	38.5%	31.4%	24.4%
TERMINAL (d)	7/25 (28%)	9/21 (43%)	7/15 (47%)	1/5 (20%)
FIRST INCIDENCE	505	515	626	575

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**STATISTICAL TESTS**

POLY 3	P=0.214N	P=0.318	P=0.587	P=0.352N
POLY 1.5	P=0.139N	P=0.345	P=0.563N	P=0.258N
POLY 6	P=0.374N	P=0.292	P=0.513	P=0.520N
COCH-ARM / FISHERS	P=0.077N	P=0.412	P=0.523N	P=0.163N
MAX-ISO-POLY-3	P=0.323N	P=0.247	P=0.489	P=0.283N

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Experiment Number: 10472 - 03  
 Test Type: CHRONIC  
 Route: RESPIRATORY EXPOSURE WHOLE BODY  
 Species/Strain: RATS/HSD

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS  
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 Lab: BNW

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

DOSE	Males			
	Control	100 ppm	300 ppm	1000 ppm
<b>Preputial Gland Cyst</b>				
<b>LESION RATES</b>				
OVERALL (a)	4/50 (8%)	2/50 (4%)	3/50 (6%)	1/50 (2%)
POLY-3 RATE (b)	4/40.16	2/37.94	3/38.39	1/31.37
POLY-3 PERCENT (g)	10%	5.3%	7.8%	3.2%
TERMINAL (d)	2/25 (8%)	1/21 (5%)	0/15 (0%)	0/5 (0%)
FIRST INCIDENCE	537	618	618	571
<b>STATISTICAL TESTS</b>				
POLY 3	P=0.268N	P=0.363N	P=0.525N	P=0.261N
POLY 1.5	P=0.231N	P=0.357N	P=0.511N	P=0.222N
POLY 6	P=0.335N	P=0.368N	P=0.554N	P=0.335N
COCH-ARM / FISHERS	P=0.192N	P=0.339N	P=0.500N	P=0.181N
MAX-ISO-POLY-3	P=0.265N	P=0.226N	P=0.371N	P=0.162N

Experiment Number: 10472 - 03  
 Test Type: CHRONIC  
 Route: RESPIRATORY EXPOSURE WHOLE BODY  
 Species/Strain: RATS/HSD

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS  
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 Lab: BNW

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

DOSE	Males			
	Control	100 ppm	300 ppm	1000 ppm
<b>Preputial Gland Inflammation</b>				
<b>LESION RATES</b>				
OVERALL (a)	26/50 (52%)	26/50 (52%)	14/50 (28%)	17/50 (34%)
POLY-3 RATE (b)	26/42.40	26/42.67	14/39.43	17/34.93
POLY-3 PERCENT (g)	61.3%	60.9%	35.5%	48.7%
TERMINAL (d)	16/25 (64%)	12/21 (57%)	9/15 (60%)	3/5 (60%)
FIRST INCIDENCE	374	310	590	467
<b>STATISTICAL TESTS</b>				
POLY 3	P=0.121N	P=0.577N	P=0.011N*	P=0.171N
POLY 1.5	P=0.070N	P=0.570	P=0.010N**	P=0.105N
POLY 6	P=0.257N	P=0.517N	P=0.017N*	P=0.336N
COCH-ARM / FISHERS	P=0.036N*	P=0.579N	P=0.012N*	P=0.053N
MAX-ISO-POLY-3	P=0.079N	P=0.484N	P=0.008N**	P=0.136N

Experiment Number: 10472 - 03  
 Test Type: CHRONIC  
 Route: RESPIRATORY EXPOSURE WHOLE BODY  
 Species/Strain: RATS/HSD

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

p-Chloro-a,a,a-trifluorotoluene

CAS Number: 98-56-6

Date Report Requested: 05/16/2016

Time Report Requested: 11:15:09

First Dose M/F: 01/17/11 / 01/17/11

Lab: BNW

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

DOSE	Males			
	Control	100 ppm	300 ppm	1000 ppm
<b>Prostate Inflammation</b>				
<b>LESION RATES</b>				
OVERALL (a)	1/50 (2%)	5/50 (10%)	1/50 (2%)	2/50 (4%)
POLY-3 RATE (b)	1/39.26	5/39.46	1/37.75	2/31.41
POLY-3 PERCENT (g)	2.6%	12.7%	2.7%	6.4%
TERMINAL (d)	1/25 (4%)	2/21 (10%)	1/15 (7%)	0/5 (0%)
FIRST INCIDENCE	729 (T)	303	729 (T)	571
<b>STATISTICAL TESTS</b>				
POLY 3	P=0.592N	P=0.100	P=0.753	P=0.423
POLY 1.5	P=0.553N	P=0.100	P=0.757	P=0.457
POLY 6	P=0.562	P=0.100	P=0.741	P=0.368
COCH-ARM / FISHERS	P=0.500N	P=0.102	P=0.753N	P=0.500
MAX-ISO-POLY-3	P=0.372	P=0.044*	P=0.488	P=0.241

Experiment Number: 10472 - 03  
 Test Type: CHRONIC  
 Route: RESPIRATORY EXPOSURE WHOLE BODY  
 Species/Strain: RATS/HSD

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

Date Report Requested: 05/16/2016  
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 Lab: BNW

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

DOSE	Males			
	Control	100 ppm	300 ppm	1000 ppm
<b>Salivary Glands Inflammation</b>				
<b>LESION RATES</b>				
OVERALL (a)	0/50 (0%)	0/50 (0%)	2/50 (4%)	1/50 (2%)
POLY-3 RATE (b)	0/39.26	0/37.55	2/37.75	1/31.47
POLY-3 PERCENT (g)	0%	0%	5.3%	3.2%
TERMINAL (d)	0/25 (0%)	0/21 (0%)	2/15 (13%)	0/5 (0%)
FIRST INCIDENCE	---	---	729 (T)	528
<b>STATISTICAL TESTS</b>				
POLY 3	P=0.294	(e)	P=0.228	P=0.456
POLY 1.5	P=0.335	(e)	P=0.233	P=0.476
POLY 6	P=0.230	(e)	P=0.216	P=0.424
COCH-ARM / FISHERS	P=0.383	(e)	P=0.247	P=0.500
MAX-ISO-POLY-3	P=0.211	(e)	P=0.075	P=0.158

Experiment Number: 10472 - 03  
 Test Type: CHRONIC  
 Route: RESPIRATORY EXPOSURE WHOLE BODY  
 Species/Strain: RATS/HSD

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS  
 p-Chloro-a,a,a-trifluorotoluene  
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Date Report Requested: 05/16/2016  
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**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(HSD)  
 TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Males			
	Control	100 ppm	300 ppm	1000 ppm
<b>Seminal Vesicle Inflammation</b>				
<b>LESION RATES</b>				
OVERALL (a)	3/50 (6%)	2/50 (4%)	0/50 (0%)	2/50 (4%)
POLY-3 RATE (b)	3/40.83	2/39.03	0/37.75	2/32.18
POLY-3 PERCENT (g)	7.4%	5.1%	0%	6.2%
TERMINAL (d)	1/25 (4%)	0/21 (0%)	0/15 (0%)	0/5 (0%)
FIRST INCIDENCE	374	303	---	421
<b>STATISTICAL TESTS</b>				
POLY 3	P=0.588N	P=0.521N	P=0.132N	P=0.607N
POLY 1.5	P=0.567N	P=0.517N	P=0.126N	P=0.561N
POLY 6	P=0.618N	P=0.523N	P=0.146N	P=0.675
COCH-ARM / FISHERS	P=0.539N	P=0.500N	P=0.121N	P=0.500N
MAX-ISO-POLY-3	P=0.349N	P=0.344N	P=0.050N*	P=0.431N

Experiment Number: 10472 - 03  
 Test Type: CHRONIC  
 Route: RESPIRATORY EXPOSURE WHOLE BODY  
 Species/Strain: RATS/HSD

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

DOSE	Males			
	Control	100 ppm	300 ppm	1000 ppm
<b>Skeletal Muscle Inflammation</b>				
<b>LESION RATES</b>				
OVERALL (a)	2/7 (29%)	0/6 (0%)	0/4 (0%)	0/2 (0%)
POLY-3 RATE (b)	2/4.75	0/4.31	0/3.62	0/1.14
POLY-3 PERCENT (g)	42.1%	0%	0%	0%
TERMINAL (d)	0/1 (0%)	0/1 (0%)	0/1 (0%)	0/0 (0%)
FIRST INCIDENCE	663	---	---	---
<b>STATISTICAL TESTS</b>				
POLY 3	P=0.368N	P=0.224N	P=0.264N	P=0.592N
POLY 1.5	P=0.412N	P=0.243N	P=0.304N	P=0.562N
POLY 6	P=0.267N	P=0.204N	P=0.224N	P=0.655N
COCH-ARM / FISHERS	P=0.450N	P=0.269N	P=0.382N	P=0.583N
MAX-ISO-POLY-3	P=0.334N	P=0.056N	P=0.068N	P=0.271N

Experiment Number: 10472 - 03  
 Test Type: CHRONIC  
 Route: RESPIRATORY EXPOSURE WHOLE BODY  
 Species/Strain: RATS/HSD

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

DOSE	Males			
	Control	100 ppm	300 ppm	1000 ppm
<b>Skin</b>				
Cyst Epithelial Inclusion				
<b>LESION RATES</b>				
OVERALL (a)	3/50 (6%)	4/50 (8%)	4/50 (8%)	3/50 (6%)
POLY-3 RATE (b)	3/39.87	4/38.35	4/39.62	3/32.09
POLY-3 PERCENT (g)	7.5%	10.4%	10.1%	9.4%
TERMINAL (d)	1/25 (4%)	2/21 (10%)	0/15 (0%)	0/5 (0%)
FIRST INCIDENCE	631	589	514	486
<b>STATISTICAL TESTS</b>				
POLY 3	P=0.548	P=0.479	P=0.497	P=0.559
POLY 1.5	P=0.583N	P=0.481	P=0.501	P=0.606
POLY 6	P=0.447	P=0.477	P=0.480	P=0.479
COCH-ARM / FISHERS	P=0.514N	P=0.500	P=0.500	P=0.661N
MAX-ISO-POLY-3	P=0.591	P=0.329	P=0.343	P=0.399



Experiment Number: 10472 - 03  
 Test Type: CHRONIC  
 Route: RESPIRATORY EXPOSURE WHOLE BODY  
 Species/Strain: RATS/HSD

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

DOSE	Males			
	Control	100 ppm	300 ppm	1000 ppm
<b>Skin Inflammation</b>				
<b>LESION RATES</b>				
OVERALL (a)	2/50 (4%)	1/50 (2%)	1/50 (2%)	0/50 (0%)
POLY-3 RATE (b)	2/39.79	1/38.18	1/37.85	0/30.85
POLY-3 PERCENT (g)	5%	2.6%	2.6%	0%
TERMINAL (d)	1/25 (4%)	0/21 (0%)	0/15 (0%)	0/5 (0%)
FIRST INCIDENCE	568	525	703	---
<b>STATISTICAL TESTS</b>				
POLY 3	P=0.242N	P=0.515N	P=0.517N	P=0.297N
POLY 1.5	P=0.222N	P=0.512N	P=0.507N	P=0.269N
POLY 6	P=0.274N	P=0.516N	P=0.538N	P=0.348N
COCH-ARM / FISHERS	P=0.200N	P=0.500N	P=0.500N	P=0.247N
MAX-ISO-POLY-3	P=0.218N	P=0.296N	P=0.299N	P=0.133N

Experiment Number: 10472 - 03  
 Test Type: CHRONIC  
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 Species/Strain: RATS/HSD

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

DOSE	Males			
	Control	100 ppm	300 ppm	1000 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)	0/39.26	0/37.55	1/37.75	3/31.55
POLY-3 PERCENT (g)	0%	0%	2.7%	9.5%
TERMINAL (d)	0/25 (0%)	0/21 (0%)	1/15 (7%)	0/5 (0%)
FIRST INCIDENCE	---	---	729 (T)	621
<b>STATISTICAL TESTS</b>				
POLY 3	P=0.013*	(e)	P=0.492	P=0.083
POLY 1.5	P=0.017*	(e)	P=0.497	P=0.098
POLY 6	P=0.010**	(e)	P=0.481	P=0.064
COCH-ARM / FISHERS	P=0.022*	(e)	P=0.500	P=0.121
MAX-ISO-POLY-3	P=0.022*	(e)	P=0.158	P=0.036*

Experiment Number: 10472 - 03  
 Test Type: CHRONIC  
 Route: RESPIRATORY EXPOSURE WHOLE BODY  
 Species/Strain: RATS/HSD

**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 RATS(HSD)  
 TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Males			
	Control	100 ppm	300 ppm	1000 ppm
<b>Spleen</b>				
<b>Hematopoietic Cell Proliferation</b>				
<b>LESION RATES</b>				
<b>OVERALL (a)</b>	29/50 (58%)	30/50 (60%)	30/50 (60%)	22/50 (44%)
<b>POLY-3 RATE (b)</b>	29/41.25	30/43.29	30/43.57	22/36.77
<b>POLY-3 PERCENT (g)</b>	70.3%	69.3%	68.9%	59.8%
<b>TERMINAL (d)</b>	23/25 (92%)	17/21 (81%)	11/15 (73%)	4/5 (80%)
<b>FIRST INCIDENCE</b>	374	303	528	486
<b>STATISTICAL TESTS</b>				
<b>POLY 3</b>	P=0.161N	P=0.559N	P=0.540N	P=0.205N
<b>POLY 1.5</b>	P=0.102N	P=0.560	P=0.582	P=0.165N
<b>POLY 6</b>	P=0.304N	P=0.437N	P=0.432N	P=0.294N
<b>COCH-ARM / FISHERS</b>	P=0.051N	P=0.500	P=0.500	P=0.115N
<b>MAX-ISO-POLY-3</b>	P=0.260N	P=0.456N	P=0.437N	P=0.149N

Experiment Number: 10472 - 03  
 Test Type: CHRONIC  
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P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS  
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**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(HSD)  
 TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Males			
	Control	100 ppm	300 ppm	1000 ppm
<b>Stomach, Forestomach Inflammation Chronic</b>				
<b>LESION RATES</b>				
OVERALL (a)	0/50 (0%)	2/50 (4%)	0/50 (0%)	1/50 (2%)
POLY-3 RATE (b)	0/39.26	2/37.61	0/37.75	1/31.14
POLY-3 PERCENT (g)	0%	5.3%	0%	3.2%
TERMINAL (d)	0/25 (0%)	1/21 (5%)	0/15 (0%)	0/5 (0%)
FIRST INCIDENCE	---	715	---	649
<b>STATISTICAL TESTS</b>				
POLY 3	P=0.550	P=0.227	(e)	P=0.454
POLY 1.5	P=0.579	P=0.229	(e)	P=0.475
POLY 6	P=0.502	P=0.226	(e)	P=0.421
COCH-ARM / FISHERS	P=0.617	P=0.247	(e)	P=0.500
MAX-ISO-POLY-3	P=0.332	P=0.075	(e)	P=0.158

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 Species/Strain: RATS/HSD

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

DOSE	Males			
	Control	100 ppm	300 ppm	1000 ppm
<b>Stomach, Forestomach Ulcer</b>				
<b>LESION RATES</b>				
OVERALL (a)	0/50 (0%)	1/50 (2%)	0/50 (0%)	4/50 (8%)
POLY-3 RATE (b)	0/39.26	1/37.57	0/37.75	4/31.57
POLY-3 PERCENT (g)	0%	2.7%	0%	12.7%
TERMINAL (d)	0/25 (0%)	0/21 (0%)	0/15 (0%)	0/5 (0%)
FIRST INCIDENCE	---	724	---	612
<b>STATISTICAL TESTS</b>				
POLY 3	P=0.006**	P=0.491	(e)	P=0.036*
POLY 1.5	P=0.007**	P=0.493	(e)	P=0.046*
POLY 6	P=0.004**	P=0.490	(e)	P=0.025*
COCH-ARM / FISHERS	P=0.010**	P=0.500	(e)	P=0.059
MAX-ISO-POLY-3	P=0.007**	P=0.158	(e)	P=0.018*

Experiment Number: 10472 - 03  
 Test Type: CHRONIC  
 Route: RESPIRATORY EXPOSURE WHOLE BODY  
 Species/Strain: RATS/HSD

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS  
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 Lab: BNW

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

DOSE	Males			
	Control	100 ppm	300 ppm	1000 ppm
<b>Stomach, Forestomach: Epithelium Hyperplasia</b>				
<b>LESION RATES</b>				
OVERALL (a)	1/50 (2%)	4/50 (8%)	0/50 (0%)	4/50 (8%)
POLY-3 RATE (b)	1/39.79	4/37.92	0/37.75	4/32.36
POLY-3 PERCENT (g)	2.5%	10.6%	0%	12.4%
TERMINAL (d)	0/25 (0%)	1/21 (5%)	0/15 (0%)	0/5 (0%)
FIRST INCIDENCE	568	650	---	516
<b>STATISTICAL TESTS</b>				
POLY 3	P=0.156	P=0.162	P=0.511N	P=0.121
POLY 1.5	P=0.179	P=0.166	P=0.505N	P=0.144
POLY 6	P=0.125	P=0.160	P=0.523N	P=0.090
COCH-ARM / FISHERS	P=0.216	P=0.181	P=0.500N	P=0.181
MAX-ISO-POLY-3	P=0.094	P=0.078	P=0.171N	P=0.068

Experiment Number: 10472 - 03  
 Test Type: CHRONIC  
 Route: RESPIRATORY EXPOSURE WHOLE BODY  
 Species/Strain: RATS/HSD

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

Date Report Requested: 05/16/2016  
 Time Report Requested: 11:15:09  
 First Dose M/F: 01/17/11 / 01/17/11  
 Lab: BNW

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

DOSE	Males			
	Control	100 ppm	300 ppm	1000 ppm
<b>Stomach, Glandular Mineralization</b>				
<b>LESION RATES</b>				
OVERALL (a)	1/50 (2%)	1/50 (2%)	1/50 (2%)	3/50 (6%)
POLY-3 RATE (b)	1/39.95	1/37.87	1/38.36	3/32.53
POLY-3 PERCENT (g)	2.5%	2.6%	2.6%	9.2%
TERMINAL (d)	0/25 (0%)	0/21 (0%)	0/15 (0%)	0/5 (0%)
FIRST INCIDENCE	493	640	530	486
<b>STATISTICAL TESTS</b>				
POLY 3	P=0.117	P=0.749	P=0.752	P=0.235
POLY 1.5	P=0.134	P=0.751	P=0.757	P=0.264
POLY 6	P=0.093	P=0.748	P=0.741	P=0.191
COCH-ARM / FISHERS	P=0.157	P=0.753N	P=0.753N	P=0.309
MAX-ISO-POLY-3	P=0.160	P=0.484	P=0.488	P=0.130

Experiment Number: 10472 - 03  
 Test Type: CHRONIC  
 Route: RESPIRATORY EXPOSURE WHOLE BODY  
 Species/Strain: RATS/HSD

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

Date Report Requested: 05/16/2016  
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 Lab: BNW

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

DOSE	Males			
	Control	100 ppm	300 ppm	1000 ppm
<b>Testes: Artery Inflammation</b>				
<b>LESION RATES</b>				
OVERALL (a)	22/50 (44%)	26/50 (52%)	25/50 (50%)	28/50 (56%)
POLY-3 RATE (b)	22/42.02	26/41.81	25/44.07	28/39.04
POLY-3 PERCENT (g)	52.4%	62.2%	56.7%	71.7%
TERMINAL (d)	13/25 (52%)	14/21 (67%)	4/15 (27%)	4/5 (80%)
FIRST INCIDENCE	493	558	514	421
<b>STATISTICAL TESTS</b>				
POLY 3	P=0.061	P=0.236	P=0.422	P=0.044*
POLY 1.5	P=0.103	P=0.228	P=0.388	P=0.077
POLY 6	P=0.027*	P=0.273	P=0.468	P=0.019*
COCH-ARM / FISHERS	P=0.192	P=0.274	P=0.344	P=0.159
MAX-ISO-POLY-3	P=0.058	P=0.173	P=0.340	P=0.029*



Experiment Number: 10472 - 03  
 Test Type: CHRONIC  
 Route: RESPIRATORY EXPOSURE WHOLE BODY  
 Species/Strain: RATS/HSD

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

Date Report Requested: 05/16/2016  
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 Lab: BNW

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

DOSE	Males			
	Control	100 ppm	300 ppm	1000 ppm
<b>Testes: Germinal Epithelium Atrophy</b>				
<b>LESION RATES</b>				
OVERALL (a)	5/50 (10%)	6/50 (12%)	12/50 (24%)	6/50 (12%)
POLY-3 RATE (b)	5/41.02	6/38.83	12/41.80	6/32.22
POLY-3 PERCENT (g)	12.2%	15.5%	28.7%	18.6%
TERMINAL (d)	2/25 (8%)	4/21 (19%)	0/15 (0%)	1/5 (20%)
FIRST INCIDENCE	374	347	528	575
<b>STATISTICAL TESTS</b>				
POLY 3	P=0.314	P=0.461	P=0.052	P=0.333
POLY 1.5	P=0.420	P=0.470	P=0.053	P=0.403
POLY 6	P=0.179	P=0.453	P=0.051	P=0.236
COCH-ARM / FISHERS	P=0.561	P=0.500	P=0.054	P=0.500
MAX-ISO-POLY-3	P=0.200	P=0.340	P=0.030*	P=0.248

Experiment Number: 10472 - 03  
 Test Type: CHRONIC  
 Route: RESPIRATORY EXPOSURE WHOLE BODY  
 Species/Strain: RATS/HSD

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

DOSE	Males			
	Control	100 ppm	300 ppm	1000 ppm
<b>Testes: Interstitial Cell Hyperplasia</b>				
<b>LESION RATES</b>				
OVERALL (a)	1/50 (2%)	1/50 (2%)	0/50 (0%)	2/50 (4%)
POLY-3 RATE (b)	1/39.26	1/37.55	0/37.75	2/31.70
POLY-3 PERCENT (g)	2.6%	2.7%	0%	6.3%
TERMINAL (d)	1/25 (4%)	1/21 (5%)	0/15 (0%)	0/5 (0%)
FIRST INCIDENCE	729 (T)	729 (T)	---	591
<b>STATISTICAL TESTS</b>				
POLY 3	P=0.280	P=0.751	P=0.508N	P=0.426
POLY 1.5	P=0.300	P=0.753	P=0.503N	P=0.458
POLY 6	P=0.251	P=0.751	P=0.519N	P=0.374
COCH-ARM / FISHERS	P=0.325	P=0.753N	P=0.500N	P=0.500
MAX-ISO-POLY-3	P=0.245	P=0.487	P=0.168N	P=0.242

Experiment Number: 10472 - 03  
 Test Type: CHRONIC  
 Route: RESPIRATORY EXPOSURE WHOLE BODY  
 Species/Strain: RATS/HSD

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

Date Report Requested: 05/16/2016  
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 First Dose M/F: 01/17/11 / 01/17/11  
 Lab: BNW

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

DOSE	Males			
	Control	100 ppm	300 ppm	1000 ppm
Thymus Atrophy				
<b>LESION RATES</b>				
OVERALL (a)	45/48 (94%)	44/50 (88%)	46/48 (96%)	45/49 (92%)
POLY-3 RATE (b)	45/46.64	44/47.67	46/47.35	45/46.79
POLY-3 PERCENT (g)	96.5%	92.3%	97.2%	96.2%
TERMINAL (d)	24/24 (100%)	20/21 (95%)	14/15 (93%)	5/5 (100%)
FIRST INCIDENCE	374	303	463	421
<b>STATISTICAL TESTS</b>				
POLY 3	P=0.487	P=0.314N	P=0.683	P=0.715N
POLY 1.5	P=0.474	P=0.326N	P=0.585	P=0.692N
POLY 6	P=0.519	P=0.246N	P=0.764N	P=0.698N
COCH-ARM / FISHERS	P=0.579	P=0.264N	P=0.500	P=0.512N
MAX-ISO-POLY-3	P=0.443	P=0.163N	P=0.412	P=0.462N

Experiment Number: 10472 - 03  
 Test Type: CHRONIC  
 Route: RESPIRATORY EXPOSURE WHOLE BODY  
 Species/Strain: RATS/HSD

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

Date Report Requested: 05/16/2016  
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 First Dose M/F: 01/17/11 / 01/17/11  
 Lab: BNW

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

DOSE	Males			
	Control	100 ppm	300 ppm	1000 ppm
<b>Thyroid Gland</b>				
<b>Ultimobranchial Cyst</b>				
<b>LESION RATES</b>				
<b>OVERALL (a)</b>	3/50 (6%)	1/49 (2%)	2/49 (4%)	2/50 (4%)
<b>POLY-3 RATE (b)</b>	3/39.51	1/37.12	2/37.97	2/30.95
<b>POLY-3 PERCENT (g)</b>	7.6%	2.7%	5.3%	6.5%
<b>TERMINAL (d)</b>	1/25 (4%)	0/21 (0%)	0/15 (0%)	1/5 (20%)
<b>FIRST INCIDENCE</b>	672	717	626	703
<b>STATISTICAL TESTS</b>				
<b>POLY 3</b>	P=0.569	P=0.327N	P=0.518N	P=0.610N
<b>POLY 1.5</b>	P=0.615	P=0.325N	P=0.511N	P=0.561N
<b>POLY 6</b>	P=0.494	P=0.328N	P=0.537N	P=0.665
<b>COCH-ARM / FISHERS</b>	P=0.587N	P=0.316N	P=0.510N	P=0.500N
<b>MAX-ISO-POLY-3</b>	P=0.517N	P=0.175N	P=0.341N	P=0.434N

Experiment Number: 10472 - 03  
 Test Type: CHRONIC  
 Route: RESPIRATORY EXPOSURE WHOLE BODY  
 Species/Strain: RATS/HSD

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

Date Report Requested: 05/16/2016  
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**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(HSD)  
 TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Males			
	Control	100 ppm	300 ppm	1000 ppm
<b>Thyroid Gland: C-Cell Hyperplasia</b>				
<b>LESION RATES</b>				
OVERALL (a)	16/50 (32%)	12/49 (24%)	14/49 (29%)	15/50 (30%)
POLY-3 RATE (b)	16/40.53	12/38.24	14/40.66	15/35.00
POLY-3 PERCENT (g)	39.5%	31.4%	34.4%	42.9%
TERMINAL (d)	13/25 (52%)	6/21 (29%)	5/15 (33%)	4/5 (80%)
FIRST INCIDENCE	542	558	528	430
<b>STATISTICAL TESTS</b>				
POLY 3	P=0.304	P=0.300N	P=0.403N	P=0.474
POLY 1.5	P=0.392	P=0.301N	P=0.413N	P=0.563
POLY 6	P=0.178	P=0.289N	P=0.411N	P=0.317
COCH-ARM / FISHERS	P=0.498	P=0.272N	P=0.440N	P=0.500N
MAX-ISO-POLY-3	P=0.416	P=0.228N	P=0.316N	P=0.385

Experiment Number: 10472 - 03  
 Test Type: CHRONIC  
 Route: RESPIRATORY EXPOSURE WHOLE BODY  
 Species/Strain: RATS/HSD

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

DOSE	Males			
	Control	100 ppm	300 ppm	1000 ppm
<b>Urinary Bladder Inflammation</b>				
<b>LESION RATES</b>				
OVERALL (a)	0/50 (0%)	2/50 (4%)	0/50 (0%)	0/50 (0%)
POLY-3 RATE (b)	0/39.26	2/38.53	0/37.75	0/30.85
POLY-3 PERCENT (g)	0%	5.2%	0%	0%
TERMINAL (d)	0/25 (0%)	0/21 (0%)	0/15 (0%)	0/5 (0%)
FIRST INCIDENCE	---	3/10	---	---
<b>STATISTICAL TESTS</b>				
POLY 3	P=0.426N	P=0.232	(e)	(e)
POLY 1.5	P=0.413N	P=0.233	(e)	(e)
POLY 6	P=0.447N	P=0.232	(e)	(e)
COCH-ARM / FISHERS	P=0.392N	P=0.247	(e)	(e)
MAX-ISO-POLY-3	P=0.343N	P=0.075	(e)	(e)

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 Test Type: CHRONIC  
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 Species/Strain: RATS/HSD

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

DOSE	Females			
	Control	100 ppm	300 ppm	1000 ppm
<b>Adrenal Cortex</b>				
<b>Angiectasis</b>				
<b>LESION RATES</b>				
OVERALL (a)	9/50 (18%)	4/50 (8%)	8/50 (16%)	7/50 (14%)
POLY-3 RATE (b)	9/36.38	4/38.54	8/40.71	7/44.07
POLY-3 PERCENT (g)	24.7%	10.4%	19.7%	15.9%
TERMINAL (d)	6/22 (27%)	1/21 (5%)	5/25 (20%)	5/30 (17%)
FIRST INCIDENCE	534	511	458	618
<b>STATISTICAL TESTS</b>				
POLY 3	P=0.430N	P=0.087N	P=0.396N	P=0.239N
POLY 1.5	P=0.480N	P=0.097N	P=0.431N	P=0.289N
POLY 6	P=0.378N	P=0.084N	P=0.369N	P=0.201N
COCH-ARM / FISHERS	P=0.572	P=0.117N	P=0.500N	P=0.393N
MAX-ISO-POLY-3	P=0.255N	P=0.052N	P=0.304N	P=0.182N

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 Test Type: CHRONIC  
 Route: RESPIRATORY EXPOSURE WHOLE BODY  
 Species/Strain: RATS/HSD

**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 RATS(HSD)  
 TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Females			
	Control	100 ppm	300 ppm	1000 ppm
<b>Adrenal Cortex Degeneration Cystic</b>				
<b>LESION RATES</b>				
OVERALL (a)	9/50 (18%)	12/50 (24%)	12/50 (24%)	14/50 (28%)
POLY-3 RATE (b)	9/36.55	12/38.07	12/40.87	14/43.55
POLY-3 PERCENT (g)	24.6%	31.5%	29.4%	32.2%
TERMINAL (d)	5/22 (23%)	8/21 (38%)	7/25 (28%)	14/30 (47%)
FIRST INCIDENCE	459	646	605	731 (T)
<b>STATISTICAL TESTS</b>				
POLY 3	P=0.361	P=0.340	P=0.415	P=0.310
POLY 1.5	P=0.300	P=0.331	P=0.377	P=0.258
POLY 6	P=0.412	P=0.332	P=0.455	P=0.349
COCH-ARM / FISHERS	P=0.197	P=0.312	P=0.312	P=0.171
MAX-ISO-POLY-3	P=0.399	P=0.255	P=0.327	P=0.246



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

DOSE	Females			
	Control	100 ppm	300 ppm	1000 ppm
<b>Adrenal Cortex Hyperplasia</b>				
<b>LESION RATES</b>				
OVERALL (a)	4/50 (8%)	7/50 (14%)	8/50 (16%)	12/50 (24%)
POLY-3 RATE (b)	4/35.89	7/38.15	8/40.17	12/44.77
POLY-3 PERCENT (g)	11.1%	18.4%	19.9%	26.8%
TERMINAL (d)	1/22 (5%)	3/21 (14%)	5/25 (20%)	7/30 (23%)
FIRST INCIDENCE	540	640	654	618
<b>STATISTICAL TESTS</b>				
POLY 3	P=0.070	P=0.292	P=0.231	P=0.069
POLY 1.5	P=0.049*	P=0.281	P=0.212	P=0.050*
POLY 6	P=0.098	P=0.293	P=0.247	P=0.092
COCH-ARM / FISHERS	P=0.026*	P=0.262	P=0.178	P=0.027*
MAX-ISO-POLY-3	P=0.086	P=0.198	P=0.160	P=0.055

Experiment Number: 10472 - 03  
 Test Type: CHRONIC  
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**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(HSD)  
 TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Females			
	Control	100 ppm	300 ppm	1000 ppm
<b>Adrenal Cortex Hypertrophy</b>				
<b>LESION RATES</b>				
OVERALL (a)	15/50 (30%)	17/50 (34%)	11/50 (22%)	20/50 (40%)
POLY-3 RATE (b)	15/36.00	17/39.94	11/39.68	20/44.95
POLY-3 PERCENT (g)	41.7%	42.6%	27.7%	44.5%
TERMINAL (d)	11/22 (50%)	8/21 (38%)	10/25 (40%)	16/30 (53%)
FIRST INCIDENCE	459	537	692	549
<b>STATISTICAL TESTS</b>				
POLY 3	P=0.351	P=0.563	P=0.144N	P=0.488
POLY 1.5	P=0.269	P=0.496	P=0.177N	P=0.368
POLY 6	P=0.441	P=0.567N	P=0.118N	P=0.583N
COCH-ARM / FISHERS	P=0.155	P=0.415	P=0.247N	P=0.201
MAX-ISO-POLY-3	P=0.431	P=0.468	P=0.104N	P=0.405

Experiment Number: 10472 - 03  
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**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(HSD)  
 TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Females			
	Control	100 ppm	300 ppm	1000 ppm
<b>Adrenal Cortex Necrosis</b>				
<b>LESION RATES</b>				
OVERALL (a)	3/50 (6%)	0/50 (0%)	2/50 (4%)	2/50 (4%)
POLY-3 RATE (b)	3/34.95	0/37.11	2/40.60	2/44.38
POLY-3 PERCENT (g)	8.6%	0%	4.9%	4.5%
TERMINAL (d)	2/22 (9%)	0/21 (0%)	0/25 (0%)	0/30 (0%)
FIRST INCIDENCE	729	---	458	530
<b>STATISTICAL TESTS</b>				
POLY 3	P=0.626N	P=0.107N	P=0.432N	P=0.393N
POLY 1.5	P=0.630	P=0.111N	P=0.456N	P=0.431N
POLY 6	P=0.596N	P=0.106N	P=0.409N	P=0.358N
COCH-ARM / FISHERS	P=0.578	P=0.121N	P=0.500N	P=0.500N
MAX-ISO-POLY-3	P=0.252N	P=0.037N*	P=0.278N	P=0.256N

Experiment Number: 10472 - 03  
 Test Type: CHRONIC  
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 Species/Strain: RATS/HSD

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

DOSE	Females			
	Control	100 ppm	300 ppm	1000 ppm
<b>Adrenal Cortex Thrombosis</b>				
<b>LESION RATES</b>				
OVERALL (a)	4/50 (8%)	0/50 (0%)	2/50 (4%)	2/50 (4%)
POLY-3 RATE (b)	4/34.95	0/37.11	2/39.59	2/43.68
POLY-3 PERCENT (g)	11.4%	0%	5.1%	4.6%
TERMINAL (d)	3/22 (14%)	0/21 (0%)	1/25 (4%)	1/30 (3%)
FIRST INCIDENCE	729	---	714	698
<b>STATISTICAL TESTS</b>				
POLY 3	P=0.493N	P=0.051N	P=0.280N	P=0.241N
POLY 1.5	P=0.516N	P=0.055N	P=0.300N	P=0.274N
POLY 6	P=0.464N	P=0.050N*	P=0.262N	P=0.213N
COCH-ARM / FISHERS	P=0.555N	P=0.059N	P=0.339N	P=0.339N
MAX-ISO-POLY-3	P=0.115N	P=0.018N*	P=0.171N	P=0.154N

Experiment Number: 10472 - 03  
 Test Type: CHRONIC  
 Route: RESPIRATORY EXPOSURE WHOLE BODY  
 Species/Strain: RATS/HSD

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

Date Report Requested: 05/16/2016  
 Time Report Requested: 11:15:09  
 First Dose M/F: 01/17/11 / 01/17/11  
 Lab: BNW

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

DOSE	Females			
	Control	100 ppm	300 ppm	1000 ppm
<b>Adrenal Medulla Hyperplasia</b>				
<b>LESION RATES</b>				
OVERALL (a)	17/49 (35%)	25/50 (50%)	34/50 (68%)	36/50 (72%)
POLY-3 RATE (b)	17/37.75	25/42.09	34/44.65	36/47.09
POLY-3 PERCENT (g)	45%	59.4%	76.2%	76.5%
TERMINAL (d)	9/21 (43%)	11/21 (52%)	19/25 (76%)	24/30 (80%)
FIRST INCIDENCE	303	511	395	549
<b>STATISTICAL TESTS</b>				
POLY 3	P=0.005**	P=0.134	P=0.002**	P<0.001**
POLY 1.5	P=0.002**	P=0.109	P<0.001**	P<0.001**
POLY 6	P=0.011*	P=0.162	P=0.003**	P=0.004**
COCH-ARM / FISHERS	P<0.001**	P=0.090	P<0.001**	P<0.001**
MAX-ISO-POLY-3	P=0.003**	P=0.100	P=0.002**	P=0.002**

Experiment Number: 10472 - 03  
 Test Type: CHRONIC  
 Route: RESPIRATORY EXPOSURE WHOLE BODY  
 Species/Strain: RATS/HSD

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

Date Report Requested: 05/16/2016  
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 First Dose M/F: 01/17/11 / 01/17/11  
 Lab: BNW

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

DOSE	Females			
	Control	100 ppm	300 ppm	1000 ppm
<b>Blood Vessel: Aorta Inflammation</b>				
<b>LESION RATES</b>				
OVERALL (a)	0/50 (0%)	2/50 (4%)	0/50 (0%)	0/50 (0%)
POLY-3 RATE (b)	0/34.94	2/38.52	0/39.53	0/43.55
POLY-3 PERCENT (g)	0%	5.2%	0%	0%
TERMINAL (d)	0/22 (0%)	0/21 (0%)	0/25 (0%)	0/30 (0%)
FIRST INCIDENCE	---	463	---	---
<b>STATISTICAL TESTS</b>				
POLY 3	P=0.349N	P=0.259	(e)	(e)
POLY 1.5	P=0.364N	P=0.251	(e)	(e)
POLY 6	P=0.338N	P=0.263	(e)	(e)
COCH-ARM / FISHERS	P=0.392N	P=0.247	(e)	(e)
MAX-ISO-POLY-3	P=0.272N	P=0.096	(e)	(e)

Experiment Number: 10472 - 03  
Test Type: CHRONIC  
Route: RESPIRATORY EXPOSURE WHOLE BODY  
Species/Strain: RATS/HSD

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

p-Chloro-a,a,a-trifluorotoluene

CAS Number: 98-56-6

Date Report Requested: 05/16/2016

Time Report Requested: 11:15:09

First Dose M/F: 01/17/11 / 01/17/11

Lab: BNW

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

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DOSE	Females			
	Control	100 ppm	300 ppm	1000 ppm
<b>Blood Vessel: Aorta</b>				
<b>Mineralization</b>				
<hr/>				
<b>LESION RATES</b>				
OVERALL (a)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
POLY-3 RATE (b)	0/34.94	0/37.11	0/39.53	0/43.55
POLY-3 PERCENT (g)	0%	0%	0%	0%
TERMINAL (d)	0/22 (0%)	0/21 (0%)	0/25 (0%)	0/30 (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 - 03  
 Test Type: CHRONIC  
 Route: RESPIRATORY EXPOSURE WHOLE BODY  
 Species/Strain: RATS/HSD

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

Date Report Requested: 05/16/2016  
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 Lab: BNW

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

DOSE	Females			
	Control	100 ppm	300 ppm	1000 ppm
<b>Brain: Cerebrum</b>				
<b>Necrosis</b>				
<b>LESION RATES</b>				
OVERALL (a)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
POLY-3 RATE (b)	0/34.94	0/37.11	0/39.53	0/43.55
POLY-3 PERCENT (g)	0%	0%	0%	0%
TERMINAL (d)	0/22 (0%)	0/21 (0%)	0/25 (0%)	0/30 (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 - 03  
 Test Type: CHRONIC  
 Route: RESPIRATORY EXPOSURE WHOLE BODY  
 Species/Strain: RATS/HSD

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

p-Chloro-a,a,a-trifluorotoluene

CAS Number: 98-56-6

Date Report Requested: 05/16/2016

Time Report Requested: 11:15:09

First Dose M/F: 01/17/11 / 01/17/11

Lab: BNW

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

DOSE	Females			
	Control	100 ppm	300 ppm	1000 ppm
<b>Brain: Hypothalamus Compression</b>				
<b>LESION RATES</b>				
OVERALL (a)	7/50 (14%)	7/50 (14%)	6/50 (12%)	1/50 (2%)
POLY-3 RATE (b)	7/37.13	7/38.57	6/40.93	1/43.71
POLY-3 PERCENT (g)	18.9%	18.2%	14.7%	2.3%
TERMINAL (d)	1/22 (5%)	0/21 (0%)	1/25 (4%)	0/30 (0%)
FIRST INCIDENCE	528	643	640	690
<b>STATISTICAL TESTS</b>				
POLY 3	P=0.008N**	P=0.586N	P=0.424N	P=0.016N*
POLY 1.5	P=0.010N**	P=0.594N	P=0.448N	P=0.019N*
POLY 6	P=0.006N**	P=0.594N	P=0.407N	P=0.014N*
COCH-ARM / FISHERS	P=0.019N*	P=0.613N	P=0.500N	P=0.030N*
MAX-ISO-POLY-3	P=0.012N*	P=0.468N	P=0.318N	P=0.009N**

Experiment Number: 10472 - 03  
 Test Type: CHRONIC  
 Route: RESPIRATORY EXPOSURE WHOLE BODY  
 Species/Strain: RATS/HSD

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

Date Report Requested: 05/16/2016  
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 Lab: BNW

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

DOSE	Females			
	Control	100 ppm	300 ppm	1000 ppm
<b>Clitoral Gland Cyst</b>				
<b>LESION RATES</b>				
OVERALL (a)	3/50 (6%)	4/50 (8%)	2/49 (4%)	7/50 (14%)
POLY-3 RATE (b)	3/35.16	4/37.74	2/40.35	7/44.82
POLY-3 PERCENT (g)	8.5%	10.6%	5%	15.6%
TERMINAL (d)	2/22 (9%)	2/21 (10%)	0/25 (0%)	3/30 (10%)
FIRST INCIDENCE	674	643	458	590
<b>STATISTICAL TESTS</b>				
POLY 3	P=0.146	P=0.539	P=0.437N	P=0.273
POLY 1.5	P=0.122	P=0.524	P=0.463N	P=0.227
POLY 6	P=0.176	P=0.545	P=0.415N	P=0.322
COCH-ARM / FISHERS	P=0.087	P=0.500	P=0.510N	P=0.159
MAX-ISO-POLY-3	P=0.238	P=0.385	P=0.282N	P=0.200

Experiment Number: 10472 - 03  
 Test Type: CHRONIC  
 Route: RESPIRATORY EXPOSURE WHOLE BODY  
 Species/Strain: RATS/HSD

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

Date Report Requested: 05/16/2016  
 Time Report Requested: 11:15:09  
 First Dose M/F: 01/17/11 / 01/17/11  
 Lab: BNW

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

DOSE	Females			
	Control	100 ppm	300 ppm	1000 ppm
<b>Clitoral Gland Inflammation</b>				
<b>LESION RATES</b>				
OVERALL (a)	13/50 (26%)	21/50 (42%)	15/49 (31%)	16/50 (32%)
POLY-3 RATE (b)	13/35.85	21/39.52	15/39.82	16/44.49
POLY-3 PERCENT (g)	36.3%	53.1%	37.7%	36%
TERMINAL (d)	10/22 (46%)	14/21 (67%)	12/25 (48%)	13/30 (43%)
FIRST INCIDENCE	536	459	590	642
<b>STATISTICAL TESTS</b>				
POLY 3	P=0.234N	P=0.096	P=0.545	P=0.582N
POLY 1.5	P=0.334N	P=0.083	P=0.486	P=0.501
POLY 6	P=0.152N	P=0.102	P=0.599N	P=0.491N
COCH-ARM / FISHERS	P=0.528N	P=0.069	P=0.387	P=0.330
MAX-ISO-POLY-3	P=0.358N	P=0.070	P=0.450	P=0.489N

Experiment Number: 10472 - 03  
 Test Type: CHRONIC  
 Route: RESPIRATORY EXPOSURE WHOLE BODY  
 Species/Strain: RATS/HSD

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

Date Report Requested: 05/16/2016  
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**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(HSD)  
 TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Females			
	Control	100 ppm	300 ppm	1000 ppm
<b>Eye: Cornea Inflammation</b>				
<b>LESION RATES</b>				
OVERALL (a)	1/50 (2%)	1/50 (2%)	0/50 (0%)	0/50 (0%)
POLY-3 RATE (b)	1/35.42	1/37.40	0/39.53	0/43.55
POLY-3 PERCENT (g)	2.8%	2.7%	0%	0%
TERMINAL (d)	0/22 (0%)	0/21 (0%)	0/25 (0%)	0/30 (0%)
FIRST INCIDENCE	591	652	---	---
<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 - 03  
 Test Type: CHRONIC  
 Route: RESPIRATORY EXPOSURE WHOLE BODY  
 Species/Strain: RATS/HSD

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

Date Report Requested: 05/16/2016  
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 Lab: BNW

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

DOSE	Females			
	Control	100 ppm	300 ppm	1000 ppm
<b>Harderian Gland Atrophy</b>				
<b>LESION RATES</b>				
OVERALL (a)	2/50 (4%)	0/50 (0%)	0/50 (0%)	1/50 (2%)
POLY-3 RATE (b)	2/35.57	0/37.11	0/39.53	1/43.71
POLY-3 PERCENT (g)	5.6%	0%	0%	2.3%
TERMINAL (d)	1/22 (5%)	0/21 (0%)	0/25 (0%)	0/30 (0%)
FIRST INCIDENCE	528	---	---	690
<b>STATISTICAL TESTS</b>				
POLY 3	P=0.662N	P=0.227N	P=0.214N	P=0.429N
POLY 1.5	P=0.667N	P=0.230N	P=0.221N	P=0.454N
POLY 6	P=0.653N	P=0.229N	P=0.208N	P=0.407N
COCH-ARM / FISHERS	P=0.673N	P=0.247N	P=0.247N	P=0.500N
MAX-ISO-POLY-3	P=0.129N	P=0.075N	P=0.075N	P=0.244N

Experiment Number: 10472 - 03  
 Test Type: CHRONIC  
 Route: RESPIRATORY EXPOSURE WHOLE BODY  
 Species/Strain: RATS/HSD

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

DOSE	Females			
	Control	100 ppm	300 ppm	1000 ppm
<b>Harderian Gland Hyperplasia</b>				
<b>LESION RATES</b>				
OVERALL (a)	0/50 (0%)	0/50 (0%)	0/50 (0%)	3/50 (6%)
POLY-3 RATE (b)	0/34.94	0/37.11	0/39.53	3/43.55
POLY-3 PERCENT (g)	0%	0%	0%	6.9%
TERMINAL (d)	0/22 (0%)	0/21 (0%)	0/25 (0%)	3/30 (10%)
FIRST INCIDENCE	---	---	---	731 (T)
<b>STATISTICAL TESTS</b>				
POLY 3	P=0.011*	(e)	(e)	P=0.163
POLY 1.5	P=0.010**	(e)	(e)	P=0.146
POLY 6	P=0.013*	(e)	(e)	P=0.179
COCH-ARM / FISHERS	P=0.009**	(e)	(e)	P=0.121
MAX-ISO-POLY-3	P=0.018*	(e)	(e)	P=0.077

Experiment Number: 10472 - 03  
 Test Type: CHRONIC  
 Route: RESPIRATORY EXPOSURE WHOLE BODY  
 Species/Strain: RATS/HSD

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

Date Report Requested: 05/16/2016  
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 Lab: BNW

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

DOSE	Females			
	Control	100 ppm	300 ppm	1000 ppm
<b>Harderian Gland Inflammation</b>				
<b>LESION RATES</b>				
OVERALL (a)	1/50 (2%)	1/50 (2%)	4/50 (8%)	2/50 (4%)
POLY-3 RATE (b)	1/34.94	1/37.20	4/40.08	2/43.95
POLY-3 PERCENT (g)	2.9%	2.7%	10%	4.6%
TERMINAL (d)	1/22 (5%)	0/21 (0%)	2/25 (8%)	1/30 (3%)
FIRST INCIDENCE	731 (T)	708	602	618
<b>STATISTICAL TESTS</b>				
POLY 3	P=0.576	P=0.747N	P=0.221	P=0.579
POLY 1.5	P=0.528	P=0.752N	P=0.205	P=0.551
POLY 6	P=0.626	P=0.747N	P=0.238	P=0.604
COCH-ARM / FISHERS	P=0.445	P=0.753N	P=0.181	P=0.500
MAX-ISO-POLY-3	P=0.352	P=0.482N	P=0.125	P=0.364

Experiment Number: 10472 - 03  
 Test Type: CHRONIC  
 Route: RESPIRATORY EXPOSURE WHOLE BODY  
 Species/Strain: RATS/HSD

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS  
 p-Chloro-a,a,a-trifluorotoluene  
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Date Report Requested: 05/16/2016  
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 Lab: BNW

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

DOSE	Females			
	Control	100 ppm	300 ppm	1000 ppm
<b>Heart</b>				
<b>Cardiomyopathy</b>				
<b>LESION RATES</b>				
OVERALL (a)	16/50 (32%)	12/50 (24%)	15/50 (30%)	17/50 (34%)
POLY-3 RATE (b)	16/39.66	12/38.94	15/41.28	17/46.90
POLY-3 PERCENT (g)	40.3%	30.8%	36.3%	36.3%
TERMINAL (d)	5/22 (23%)	5/21 (24%)	8/25 (32%)	6/30 (20%)
FIRST INCIDENCE	459	612	590	530
<b>STATISTICAL TESTS</b>				
POLY 3	P=0.557N	P=0.255N	P=0.443N	P=0.433N
POLY 1.5	P=0.462	P=0.248N	P=0.454N	P=0.513N
POLY 6	P=0.450N	P=0.287N	P=0.448N	P=0.367N
COCH-ARM / FISHERS	P=0.297	P=0.252N	P=0.500N	P=0.500
MAX-ISO-POLY-3	P=0.480N	P=0.186N	P=0.355N	P=0.357N



Experiment Number: 10472 - 03  
Test Type: CHRONIC  
Route: RESPIRATORY EXPOSURE WHOLE BODY  
Species/Strain: RATS/HSD

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

p-Chloro-a,a,a-trifluorotoluene

CAS Number: 98-56-6

Date Report Requested: 05/16/2016

Time Report Requested: 11:15:09

First Dose M/F: 01/17/11 / 01/17/11

Lab: BNW

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

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DOSE	Females			
	Control	100 ppm	300 ppm	1000 ppm
<hr/>				
Heart: Atrium				
Thrombosis				
<hr/>				
<b>LESION RATES</b>				
OVERALL (a)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
POLY-3 RATE (b)	0/34.94	0/37.11	0/39.53	0/43.55
POLY-3 PERCENT (g)	0%	0%	0%	0%
TERMINAL (d)	0/22 (0%)	0/21 (0%)	0/25 (0%)	0/30 (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 - 03  
 Test Type: CHRONIC  
 Route: RESPIRATORY EXPOSURE WHOLE BODY  
 Species/Strain: RATS/HSD

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 RATS(HSD)  
 TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Females			
	Control	100 ppm	300 ppm	1000 ppm
<b>Kidney Cyst</b>				
<b>LESION RATES</b>				
OVERALL (a)	1/50 (2%)	1/50 (2%)	2/50 (4%)	2/50 (4%)
POLY-3 RATE (b)	1/35.43	1/37.11	2/39.77	2/44.49
POLY-3 PERCENT (g)	2.8%	2.7%	5%	4.5%
TERMINAL (d)	0/22 (0%)	1/21 (5%)	1/25 (4%)	0/30 (0%)
FIRST INCIDENCE	584	731 (T)	666	530
<b>STATISTICAL TESTS</b>				
POLY 3	P=0.496	P=0.751N	P=0.540	P=0.578
POLY 1.5	P=0.459	P=0.754N	P=0.527	P=0.551
POLY 6	P=0.535	P=0.754N	P=0.551	P=0.602
COCH-ARM / FISHERS	P=0.395	P=0.753N	P=0.500	P=0.500
MAX-ISO-POLY-3	P=0.539	P=0.486N	P=0.323	P=0.364

Experiment Number: 10472 - 03  
 Test Type: CHRONIC  
 Route: RESPIRATORY EXPOSURE WHOLE BODY  
 Species/Strain: RATS/HSD

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

Date Report Requested: 05/16/2016  
 Time Report Requested: 11:15:09  
 First Dose M/F: 01/17/11 / 01/17/11  
 Lab: BNW

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

DOSE	Females			
	Control	100 ppm	300 ppm	1000 ppm
<b>Kidney Nephropathy</b>				
<b>LESION RATES</b>				
OVERALL (a)	44/50 (88%)	49/50 (98%)	49/50 (98%)	47/50 (94%)
POLY-3 RATE (b)	44/47.67	49/49.00	49/49.25	47/49.89
POLY-3 PERCENT (g)	92.3%	100%	99.5%	94.2%
TERMINAL (d)	20/22 (91%)	21/21 (100%)	25/25 (100%)	28/30 (93%)
FIRST INCIDENCE	303	395	395	530
<b>STATISTICAL TESTS</b>				
POLY 3	P=0.405N	P=0.050*	P=0.069	P=0.512
POLY 1.5	P=0.516N	P=0.031*	P=0.059	P=0.402
POLY 6	P=0.303N	P=0.095	P=0.102	P=0.629
COCH-ARM / FISHERS	P=0.468	P=0.056	P=0.056	P=0.243
MAX-ISO-POLY-3	P=0.087	P=0.013*	P=0.020*	P=0.347

Experiment Number: 10472 - 03  
 Test Type: CHRONIC  
 Route: RESPIRATORY EXPOSURE WHOLE BODY  
 Species/Strain: RATS/HSD

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

Date Report Requested: 05/16/2016  
 Time Report Requested: 11:15:09  
 First Dose M/F: 01/17/11 / 01/17/11  
 Lab: BNW

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

DOSE	Females			
	Control	100 ppm	300 ppm	1000 ppm
<b>Kidney: Pelvis Dilatation</b>				
<b>LESION RATES</b>				
OVERALL (a)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
POLY-3 RATE (b)	0/34.94	0/37.11	0/39.53	0/43.55
POLY-3 PERCENT (g)	0%	0%	0%	0%
TERMINAL (d)	0/22 (0%)	0/21 (0%)	0/25 (0%)	0/30 (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 - 03  
 Test Type: CHRONIC  
 Route: RESPIRATORY EXPOSURE WHOLE BODY  
 Species/Strain: RATS/HSD

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

Date Report Requested: 05/16/2016  
 Time Report Requested: 11:15:09  
 First Dose M/F: 01/17/11 / 01/17/11  
 Lab: BNW

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

DOSE	Females			
	Control	100 ppm	300 ppm	1000 ppm
<b>Kidney: Renal Tubule Hyperplasia</b>				
<b>LESION RATES</b>				
OVERALL (a)	0/50 (0%)	0/50 (0%)	2/50 (4%)	0/50 (0%)
POLY-3 RATE (b)	0/34.94	0/37.11	2/39.59	0/43.55
POLY-3 PERCENT (g)	0%	0%	5.1%	0%
TERMINAL (d)	0/22 (0%)	0/21 (0%)	1/25 (4%)	0/30 (0%)
FIRST INCIDENCE	---	---	714	---
<b>STATISTICAL TESTS</b>				
POLY 3	P=0.607N	(e)	P=0.265	(e)
POLY 1.5	P=0.633N	(e)	P=0.255	(e)
POLY 6	P=0.580N	(e)	P=0.274	(e)
COCH-ARM / FISHERS	P=0.675N	(e)	P=0.247	(e)
MAX-ISO-POLY-3	P=0.321	(e)	P=0.102	(e)

Experiment Number: 10472 - 03  
 Test Type: CHRONIC  
 Route: RESPIRATORY EXPOSURE WHOLE BODY  
 Species/Strain: RATS/HSD

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

Date Report Requested: 05/16/2016  
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 First Dose M/F: 01/17/11 / 01/17/11  
 Lab: BNW

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

DOSE	Females			
	Control	100 ppm	300 ppm	1000 ppm
<b>Larynx Inflammation</b>				
<b>LESION RATES</b>				
OVERALL (a)	1/50 (2%)	2/50 (4%)	2/50 (4%)	4/50 (8%)
POLY-3 RATE (b)	1/34.94	2/37.74	2/40.28	4/43.77
POLY-3 PERCENT (g)	2.9%	5.3%	5%	9.1%
TERMINAL (d)	1/22 (5%)	0/21 (0%)	1/25 (4%)	3/30 (10%)
FIRST INCIDENCE	731 (T)	643	458	674
<b>STATISTICAL TESTS</b>				
POLY 3	P=0.191	P=0.527	P=0.549	P=0.254
POLY 1.5	P=0.166	P=0.517	P=0.532	P=0.225
POLY 6	P=0.216	P=0.533	P=0.565	P=0.282
COCH-ARM / FISHERS	P=0.128	P=0.500	P=0.500	P=0.181
MAX-ISO-POLY-3	P=0.234	P=0.309	P=0.333	P=0.155

Experiment Number: 10472 - 03  
 Test Type: CHRONIC  
 Route: RESPIRATORY EXPOSURE WHOLE BODY  
 Species/Strain: RATS/HSD

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

Date Report Requested: 05/16/2016  
 Time Report Requested: 11:15:09  
 First Dose M/F: 01/17/11 / 01/17/11  
 Lab: BNW

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

DOSE	Females			
	Control	100 ppm	300 ppm	1000 ppm
<b>Larynx: Squamous Epithelium Hyperplasia</b>				
<b>LESION RATES</b>				
OVERALL (a)	2/50 (4%)	0/50 (0%)	0/50 (0%)	1/50 (2%)
POLY-3 RATE (b)	2/36.20	0/37.11	0/39.53	1/44.02
POLY-3 PERCENT (g)	5.5%	0%	0%	2.3%
TERMINAL (d)	0/22 (0%)	0/21 (0%)	0/25 (0%)	0/30 (0%)
FIRST INCIDENCE	450	---	---	590
<b>STATISTICAL TESTS</b>				
POLY 3	P=0.658N	P=0.231N	P=0.217N	P=0.432N
POLY 1.5	P=0.665N	P=0.232N	P=0.224N	P=0.456N
POLY 6	P=0.647N	P=0.235N	P=0.213N	P=0.413N
COCH-ARM / FISHERS	P=0.673N	P=0.247N	P=0.247N	P=0.500N
MAX-ISO-POLY-3	P=0.129N	P=0.075N	P=0.075N	P=0.246N

Experiment Number: 10472 - 03  
 Test Type: CHRONIC  
 Route: RESPIRATORY EXPOSURE WHOLE BODY  
 Species/Strain: RATS/HSD

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

Date Report Requested: 05/16/2016  
 Time Report Requested: 11:15:09  
 First Dose M/F: 01/17/11 / 01/17/11  
 Lab: BNW

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

DOSE	Females			
	Control	100 ppm	300 ppm	1000 ppm
<b>Liver</b>				
<b>Angiectasis</b>				
<b>LESION RATES</b>				
OVERALL (a)	0/50 (0%)	5/50 (10%)	5/50 (10%)	1/50 (2%)
POLY-3 RATE (b)	0/34.94	5/37.72	5/40.83	1/43.55
POLY-3 PERCENT (g)	0%	13.3%	12.3%	2.3%
TERMINAL (d)	0/22 (0%)	4/21 (19%)	2/25 (8%)	1/30 (3%)
FIRST INCIDENCE	---	534	541	731 (T)
<b>STATISTICAL TESTS</b>				
POLY 3	P=0.215N	P=0.036*	P=0.045*	P=0.543
POLY 1.5	P=0.258N	P=0.034*	P=0.039*	P=0.528
POLY 6	P=0.180N	P=0.036*	P=0.052	P=0.557
COCH-ARM / FISHERS	P=0.346N	P=0.028*	P=0.028*	P=0.500
MAX-ISO-POLY-3	P=0.127	P=0.014*	P=0.022*	P=0.211



Experiment Number: 10472 - 03  
 Test Type: CHRONIC  
 Route: RESPIRATORY EXPOSURE WHOLE BODY  
 Species/Strain: RATS/HSD

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

Date Report Requested: 05/16/2016  
 Time Report Requested: 11:15:09  
 First Dose M/F: 01/17/11 / 01/17/11  
 Lab: BNW

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

DOSE	Females			
	Control	100 ppm	300 ppm	1000 ppm
<b>Liver</b>				
<b>Basophilic Focus</b>				
<b>LESION RATES</b>				
OVERALL (a)	7/50 (14%)	3/50 (6%)	2/50 (4%)	7/50 (14%)
POLY-3 RATE (b)	7/34.94	3/37.11	2/40.13	7/43.55
POLY-3 PERCENT (g)	20%	8.1%	5%	16.1%
TERMINAL (d)	7/22 (32%)	3/21 (14%)	0/25 (0%)	7/30 (23%)
FIRST INCIDENCE	731 (T)	731 (T)	642	731 (T)
<b>STATISTICAL TESTS</b>				
POLY 3	P=0.381	P=0.127N	P=0.047N*	P=0.437N
POLY 1.5	P=0.347	P=0.138N	P=0.058N	P=0.502N
POLY 6	P=0.419	P=0.123N	P=0.038N*	P=0.380N
COCH-ARM / FISHERS	P=0.289	P=0.159N	P=0.080N	P=0.613N
MAX-ISO-POLY-3	P=0.175N	P=0.074N	P=0.028N*	P=0.340N

Experiment Number: 10472 - 03  
 Test Type: CHRONIC  
 Route: RESPIRATORY EXPOSURE WHOLE BODY  
 Species/Strain: RATS/HSD

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

Date Report Requested: 05/16/2016  
 Time Report Requested: 11:15:09  
 First Dose M/F: 01/17/11 / 01/17/11  
 Lab: BNW

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

DOSE	Females			
	Control	100 ppm	300 ppm	1000 ppm
<b>Liver</b>				
<b>Clear Cell Focus</b>				
<b>LESION RATES</b>				
OVERALL (a)	16/50 (32%)	15/50 (30%)	23/50 (46%)	38/50 (76%)
POLY-3 RATE (b)	16/37.41	15/40.08	23/42.69	38/47.18
POLY-3 PERCENT (g)	42.8%	37.4%	53.9%	80.5%
TERMINAL (d)	12/22 (55%)	8/21 (38%)	14/25 (56%)	26/30 (87%)
FIRST INCIDENCE	311	534	478	530
<b>STATISTICAL TESTS</b>				
POLY 3	P<0.001**	P=0.399N	P=0.212	P<0.001**
POLY 1.5	P<0.001**	P=0.445N	P=0.164	P<0.001**
POLY 6	P<0.001**	P=0.360N	P=0.282	P<0.001**
COCH-ARM / FISHERS	P<0.001**	P=0.500N	P=0.109	P<0.001**
MAX-ISO-POLY-3	P<0.001**	P=0.316N	P=0.167	P<0.001**

Experiment Number: 10472 - 03  
Test Type: CHRONIC  
Route: RESPIRATORY EXPOSURE WHOLE BODY  
Species/Strain: RATS/HSD

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

p-Chloro-a,a,a-trifluorotoluene

CAS Number: 98-56-6

Date Report Requested: 05/16/2016

Time Report Requested: 11:15:09

First Dose M/F: 01/17/11 / 01/17/11

Lab: BNW

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

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DOSE	Females			
	Control	100 ppm	300 ppm	1000 ppm
<hr/>				
Liver Degeneration Cystic				
<hr/>				
<b>LESION RATES</b>				
OVERALL (a)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
POLY-3 RATE (b)	0/34.94	0/37.11	0/39.53	0/43.55
POLY-3 PERCENT (g)	0%	0%	0%	0%
TERMINAL (d)	0/22 (0%)	0/21 (0%)	0/25 (0%)	0/30 (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 - 03  
 Test Type: CHRONIC  
 Route: RESPIRATORY EXPOSURE WHOLE BODY  
 Species/Strain: RATS/HSD

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

Date Report Requested: 05/16/2016  
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**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(HSD)  
 TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Females			
	Control	100 ppm	300 ppm	1000 ppm
<b>Liver</b>				
<b>Eosinophilic Focus</b>				
<b>LESION RATES</b>				
OVERALL (a)	7/50 (14%)	6/50 (12%)	7/50 (14%)	15/50 (30%)
POLY-3 RATE (b)	7/35.39	6/38.18	7/40.20	15/44.23
POLY-3 PERCENT (g)	19.8%	15.7%	17.4%	33.9%
TERMINAL (d)	6/22 (27%)	4/21 (19%)	5/25 (20%)	11/30 (37%)
FIRST INCIDENCE	599	511	602	674
<b>STATISTICAL TESTS</b>				
POLY 3	P=0.020*	P=0.440N	P=0.513N	P=0.123
POLY 1.5	P=0.014*	P=0.462N	P=0.549N	P=0.087
POLY 6	P=0.029*	P=0.432N	P=0.479N	P=0.166
COCH-ARM / FISHERS	P=0.008**	P=0.500N	P=0.613N	P=0.045*
MAX-ISO-POLY-3	P=0.032*	P=0.329N	P=0.399N	P=0.100

Experiment Number: 10472 - 03  
 Test Type: CHRONIC  
 Route: RESPIRATORY EXPOSURE WHOLE BODY  
 Species/Strain: RATS/HSD

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 RATS(HSD)  
 TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Females			
	Control	100 ppm	300 ppm	1000 ppm
<b>Liver</b>				
<b>Fatty Change</b>				
<b>LESION RATES</b>				
OVERALL (a)	2/50 (4%)	4/50 (8%)	11/50 (22%)	10/50 (20%)
POLY-3 RATE (b)	2/36.16	4/38.03	11/42.80	10/44.68
POLY-3 PERCENT (g)	5.5%	10.5%	25.7%	22.4%
TERMINAL (d)	0/22 (0%)	2/21 (10%)	1/25 (4%)	6/30 (20%)
FIRST INCIDENCE	534	534	458	590
<b>STATISTICAL TESTS</b>				
POLY 3	P=0.056	P=0.359	P=0.016*	P=0.034*
POLY 1.5	P=0.038*	P=0.352	P=0.012*	P=0.025*
POLY 6	P=0.082	P=0.356	P=0.022*	P=0.045*
COCH-ARM / FISHERS	P=0.019*	P=0.339	P=0.007**	P=0.014*
MAX-ISO-POLY-3	P=0.034*	P=0.222	P=0.011*	P=0.026*

Experiment Number: 10472 - 03  
Test Type: CHRONIC  
Route: RESPIRATORY EXPOSURE WHOLE BODY  
Species/Strain: RATS/HSD

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

p-Chloro-a,a,a-trifluorotoluene

CAS Number: 98-56-6

Date Report Requested: 05/16/2016

Time Report Requested: 11:15:09

First Dose M/F: 01/17/11 / 01/17/11

Lab: BNW

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

DOSE	Females			
	Control	100 ppm	300 ppm	1000 ppm
<b>Liver</b>				
<b>Hematopoietic Cell Proliferation</b>				
<b>LESION RATES</b>				
OVERALL (a)	7/50 (14%)	1/50 (2%)	4/50 (8%)	3/50 (6%)
POLY-3 RATE (b)	7/39.33	1/37.86	4/41.40	3/44.53
POLY-3 PERCENT (g)	17.8%	2.6%	9.7%	6.7%
TERMINAL (d)	0/22 (0%)	0/21 (0%)	1/25 (4%)	0/30 (0%)
FIRST INCIDENCE	303	459	457	599
<b>STATISTICAL TESTS</b>				
POLY 3	P=0.257N	P=0.032N*	P=0.229N	P=0.110N
POLY 1.5	P=0.287N	P=0.031N*	P=0.239N	P=0.125N
POLY 6	P=0.223N	P=0.037N*	P=0.225N	P=0.099N
COCH-ARM / FISHERS	P=0.340N	P=0.030N*	P=0.262N	P=0.159N
MAX-ISO-POLY-3	P=0.068N	P=0.014N*	P=0.148N	P=0.070N

Experiment Number: 10472 - 03  
 Test Type: CHRONIC  
 Route: RESPIRATORY EXPOSURE WHOLE BODY  
 Species/Strain: RATS/HSD

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS  
 p-Chloro-a,a,a-trifluorotoluene  
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Date Report Requested: 05/16/2016  
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 Lab: BNW

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

DOSE	Females			
	Control	100 ppm	300 ppm	1000 ppm
<b>Liver</b>				
<b>Hepatodiaphragmatic Nodule</b>				
<b>LESION RATES</b>				
OVERALL (a)	2/50 (4%)	1/50 (2%)	1/50 (2%)	0/50 (0%)
POLY-3 RATE (b)	2/36.64	1/37.11	1/39.64	0/43.55
POLY-3 PERCENT (g)	5.5%	2.7%	2.5%	0%
TERMINAL (d)	0/22 (0%)	1/21 (5%)	0/25 (0%)	0/30 (0%)
FIRST INCIDENCE	303	731 (T)	702	---
<b>STATISTICAL TESTS</b>				
POLY 3	P=0.172N	P=0.496N	P=0.472N	P=0.201N
POLY 1.5	P=0.183N	P=0.497N	P=0.482N	P=0.213N
POLY 6	P=0.162N	P=0.501N	P=0.464N	P=0.190N
COCH-ARM / FISHERS	P=0.200N	P=0.500N	P=0.500N	P=0.247N
MAX-ISO-POLY-3	P=0.123N	P=0.277N	P=0.265N	P=0.075N

Experiment Number: 10472 - 03  
 Test Type: CHRONIC  
 Route: RESPIRATORY EXPOSURE WHOLE BODY  
 Species/Strain: RATS/HSD

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

Date Report Requested: 05/16/2016  
 Time Report Requested: 11:15:09  
 First Dose M/F: 01/17/11 / 01/17/11  
 Lab: BNW

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

DOSE	Females			
	Control	100 ppm	300 ppm	1000 ppm
<b>Liver</b>				
<b>Inflammation Chronic</b>				
<b>LESION RATES</b>				
OVERALL (a)	1/50 (2%)	0/50 (0%)	0/50 (0%)	1/50 (2%)
POLY-3 RATE (b)	1/35.87	0/37.11	0/39.53	1/43.55
POLY-3 PERCENT (g)	2.8%	0%	0%	2.3%
TERMINAL (d)	0/22 (0%)	0/21 (0%)	0/25 (0%)	1/30 (3%)
FIRST INCIDENCE	303	---	---	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 - 03  
 Test Type: CHRONIC  
 Route: RESPIRATORY EXPOSURE WHOLE BODY  
 Species/Strain: RATS/HSD

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

Date Report Requested: 05/16/2016  
 Time Report Requested: 11:15:09  
 First Dose M/F: 01/17/11 / 01/17/11  
 Lab: BNW

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

DOSE	Females			
	Control	100 ppm	300 ppm	1000 ppm
<b>Liver</b>				
<b>Mixed Cell Focus</b>				
<b>LESION RATES</b>				
OVERALL (a)	6/50 (12%)	6/50 (12%)	8/50 (16%)	18/50 (36%)
POLY-3 RATE (b)	6/35.55	6/37.97	8/40.85	18/44.52
POLY-3 PERCENT (g)	16.9%	15.8%	19.6%	40.4%
TERMINAL (d)	5/22 (23%)	3/21 (14%)	4/25 (16%)	13/30 (43%)
FIRST INCIDENCE	534	640	558	650
<b>STATISTICAL TESTS</b>				
POLY 3	P<0.001**	P=0.576N	P=0.496	P=0.018*
POLY 1.5	P<0.001**	P=0.593N	P=0.455	P=0.011*
POLY 6	P=0.002**	P=0.569N	P=0.538	P=0.029*
COCH-ARM / FISHERS	P<0.001**	P=0.620N	P=0.387	P=0.005**
MAX-ISO-POLY-3	P=0.002**	P=0.450N	P=0.386	P=0.017*

Experiment Number: 10472 - 03  
Test Type: CHRONIC  
Route: RESPIRATORY EXPOSURE WHOLE BODY  
Species/Strain: RATS/HSD

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

Date Report Requested: 05/16/2016  
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Lab: BNW

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

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DOSE	Females			
	Control	100 ppm	300 ppm	1000 ppm
<hr/>				
Liver: Bile Duct Cyst				
<hr/>				
<b>LESION RATES</b>				
OVERALL (a)	6/50 (12%)	11/50 (22%)	6/50 (12%)	7/50 (14%)
POLY-3 RATE (b)	6/35.55	11/37.95	6/40.16	7/44.77
POLY-3 PERCENT (g)	16.9%	29%	14.9%	15.6%
TERMINAL (d)	5/22 (23%)	7/21 (33%)	5/25 (20%)	4/30 (13%)
FIRST INCIDENCE	536	643	523	530
<hr/>				
<b>STATISTICAL TESTS</b>				
POLY 3	P=0.262N	P=0.166	P=0.534N	P=0.561N
POLY 1.5	P=0.327N	P=0.157	P=0.564N	P=0.613
POLY 6	P=0.204N	P=0.167	P=0.508N	P=0.502N
COCH-ARM / FISHERS	P=0.450N	P=0.143	P=0.620N	P=0.500
MAX-ISO-POLY-3	P=0.342N	P=0.112	P=0.412N	P=0.445N

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Experiment Number: 10472 - 03  
 Test Type: CHRONIC  
 Route: RESPIRATORY EXPOSURE WHOLE BODY  
 Species/Strain: RATS/HSD

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS  
 p-Chloro-a,a,a-trifluorotoluene  
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Date Report Requested: 05/16/2016  
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 Lab: BNW

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

DOSE	Females			
	Control	100 ppm	300 ppm	1000 ppm
<b>Liver: Bile Duct Hyperplasia</b>				
<b>LESION RATES</b>				
OVERALL (a)	14/50 (28%)	13/50 (26%)	17/50 (34%)	13/50 (26%)
POLY-3 RATE (b)	14/37.36	13/37.74	17/41.78	13/44.50
POLY-3 PERCENT (g)	37.5%	34.5%	40.7%	29.2%
TERMINAL (d)	8/22 (36%)	11/21 (52%)	10/25 (40%)	10/30 (33%)
FIRST INCIDENCE	303	612	457	530
<b>STATISTICAL TESTS</b>				
POLY 3	P=0.222N	P=0.486N	P=0.475	P=0.287N
POLY 1.5	P=0.305N	P=0.489N	P=0.420	P=0.360N
POLY 6	P=0.153N	P=0.517N	P=0.529	P=0.232N
COCH-ARM / FISHERS	P=0.468N	P=0.500N	P=0.333	P=0.500N
MAX-ISO-POLY-3	P=0.361N	P=0.388N	P=0.387	P=0.230N

Experiment Number: 10472 - 03  
 Test Type: CHRONIC  
 Route: RESPIRATORY EXPOSURE WHOLE BODY  
 Species/Strain: RATS/HSD

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

Date Report Requested: 05/16/2016  
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 First Dose M/F: 01/17/11 / 01/17/11  
 Lab: BNW

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

DOSE	Females			
	Control	100 ppm	300 ppm	1000 ppm
<b>Liver: Hepatocyte Necrosis</b>				
<b>LESION RATES</b>				
OVERALL (a)	2/50 (4%)	0/50 (0%)	2/50 (4%)	5/50 (10%)
POLY-3 RATE (b)	2/36.04	0/37.11	2/40.16	5/44.43
POLY-3 PERCENT (g)	5.6%	0%	5%	11.3%
TERMINAL (d)	0/22 (0%)	0/21 (0%)	1/25 (4%)	2/30 (7%)
FIRST INCIDENCE	534	---	523	618
<b>STATISTICAL TESTS</b>				
POLY 3	P=0.054	P=0.230N	P=0.655N	P=0.309
POLY 1.5	P=0.045*	P=0.232N	P=0.668N	P=0.274
POLY 6	P=0.067	P=0.234N	P=0.647N	P=0.341
COCH-ARM / FISHERS	P=0.033*	P=0.247N	P=0.691N	P=0.218
MAX-ISO-POLY-3	P=0.086	P=0.075N	P=0.457N	P=0.209

Experiment Number: 10472 - 03  
 Test Type: CHRONIC  
 Route: RESPIRATORY EXPOSURE WHOLE BODY  
 Species/Strain: RATS/HSD

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

p-Chloro-a,a,a-trifluorotoluene

CAS Number: 98-56-6

Date Report Requested: 05/16/2016

Time Report Requested: 11:15:09

First Dose M/F: 01/17/11 / 01/17/11

Lab: BNW

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

DOSE	Females			
	Control	100 ppm	300 ppm	1000 ppm
<b>Liver: Hepatocyte, Centrilobular Hypertrophy</b>				
<b>LESION RATES</b>				
OVERALL (a)	0/50 (0%)	1/50 (2%)	10/50 (20%)	45/50 (90%)
POLY-3 RATE (b)	0/34.94	1/37.11	10/41.99	45/48.36
POLY-3 PERCENT (g)	0%	2.7%	23.8%	93.1%
TERMINAL (d)	0/22 (0%)	1/21 (5%)	6/25 (24%)	29/30 (97%)
FIRST INCIDENCE	---	731 (T)	457	530
<b>STATISTICAL TESTS</b>				
POLY 3	P<0.001**	P=0.512	P=0.002**	P<0.001**
POLY 1.5	P<0.001**	P=0.508	P<0.001**	P<0.001**
POLY 6	P<0.001**	P=0.512	P=0.003**	P<0.001**
COCH-ARM / FISHERS	P<0.001**	P=0.500	P<0.001**	P<0.001**
MAX-ISO-POLY-3	P<0.001**	P=0.173	P=0.002**	P<0.001**

Experiment Number: 10472 - 03  
 Test Type: CHRONIC  
 Route: RESPIRATORY EXPOSURE WHOLE BODY  
 Species/Strain: RATS/HSD

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

Date Report Requested: 05/16/2016  
 Time Report Requested: 11:15:09  
 First Dose M/F: 01/17/11 / 01/17/11  
 Lab: BNW

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

DOSE	Females			
	Control	100 ppm	300 ppm	1000 ppm
<b>Liver: Hepatocyte, Centrilobular Necrosis</b>				
<b>LESION RATES</b>				
OVERALL (a)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
POLY-3 RATE (b)	0/34.94	0/37.11	0/39.53	0/43.55
POLY-3 PERCENT (g)	0%	0%	0%	0%
TERMINAL (d)	0/22 (0%)	0/21 (0%)	0/25 (0%)	0/30 (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 - 03  
 Test Type: CHRONIC  
 Route: RESPIRATORY EXPOSURE WHOLE BODY  
 Species/Strain: RATS/HSD

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

Date Report Requested: 05/16/2016  
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 Lab: BNW

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

DOSE	Females			
	Control	100 ppm	300 ppm	1000 ppm
<b>Lung Fibrosis</b>				
<b>LESION RATES</b>				
OVERALL (a)	11/50 (22%)	17/50 (34%)	24/50 (48%)	28/50 (56%)
POLY-3 RATE (b)	11/36.19	17/38.96	24/41.47	28/46.52
POLY-3 PERCENT (g)	30.4%	43.6%	57.9%	60.2%
TERMINAL (d)	7/22 (32%)	11/21 (52%)	17/25 (68%)	18/30 (60%)
FIRST INCIDENCE	536	511	523	549
<b>STATISTICAL TESTS</b>				
POLY 3	P=0.010**	P=0.163	P=0.010**	P=0.005**
POLY 1.5	P=0.004**	P=0.151	P=0.007**	P=0.002**
POLY 6	P=0.031*	P=0.162	P=0.013*	P=0.012*
COCH-ARM / FISHERS	P<0.001**	P=0.133	P=0.006**	P<0.001**
MAX-ISO-POLY-3	P=0.009**	P=0.118	P=0.008**	P=0.005**

Experiment Number: 10472 - 03  
 Test Type: CHRONIC  
 Route: RESPIRATORY EXPOSURE WHOLE BODY  
 Species/Strain: RATS/HSD

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS  
 p-Chloro-a,a,a-trifluorotoluene  
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Date Report Requested: 05/16/2016  
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 Lab: BNW

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

DOSE	Females			
	Control	100 ppm	300 ppm	1000 ppm
Lung				
Foreign Body				
<b>LESION RATES</b>				
OVERALL (a)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
POLY-3 RATE (b)	0/34.94	0/37.11	0/39.53	0/43.55
POLY-3 PERCENT (g)	0%	0%	0%	0%
TERMINAL (d)	0/22 (0%)	0/21 (0%)	0/25 (0%)	0/30 (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 - 03  
 Test Type: CHRONIC  
 Route: RESPIRATORY EXPOSURE WHOLE BODY  
 Species/Strain: RATS/HSD

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

Date Report Requested: 05/16/2016  
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**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(HSD)  
 TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Females			
	Control	100 ppm	300 ppm	1000 ppm
<b>Lung Hemorrhage</b>				
<b>LESION RATES</b>				
OVERALL (a)	12/50 (24%)	11/50 (22%)	18/50 (36%)	26/50 (52%)
POLY-3 RATE (b)	12/37.24	11/37.48	18/41.57	26/44.51
POLY-3 PERCENT (g)	32.2%	29.4%	43.3%	58.4%
TERMINAL (d)	7/22 (32%)	9/21 (43%)	12/25 (48%)	21/30 (70%)
FIRST INCIDENCE	536	674	523	642
<b>STATISTICAL TESTS</b>				
POLY 3	P=0.002**	P=0.492N	P=0.213	P=0.012*
POLY 1.5	P<0.001**	P=0.488N	P=0.184	P=0.007**
POLY 6	P=0.003**	P=0.531N	P=0.241	P=0.016*
COCH-ARM / FISHERS	P<0.001**	P=0.500N	P=0.138	P=0.004**
MAX-ISO-POLY-3	P=0.003**	P=0.390N	P=0.163	P=0.011*

Experiment Number: 10472 - 03  
 Test Type: CHRONIC  
 Route: RESPIRATORY EXPOSURE WHOLE BODY  
 Species/Strain: RATS/HSD

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS  
 p-Chloro-a,a,a-trifluorotoluene  
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Date Report Requested: 05/16/2016  
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 Lab: BNW

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

DOSE	Females			
	Control	100 ppm	300 ppm	1000 ppm
<b>Lung Inflammation Chronic</b>				
<b>LESION RATES</b>				
OVERALL (a)	35/50 (70%)	42/50 (84%)	48/50 (96%)	46/50 (92%)
POLY-3 RATE (b)	35/45.29	42/45.86	48/49.46	46/48.83
POLY-3 PERCENT (g)	77.3%	91.6%	97.1%	94.2%
TERMINAL (d)	15/22 (68%)	20/21 (95%)	24/25 (96%)	28/30 (93%)
FIRST INCIDENCE	303	395	395	549
<b>STATISTICAL TESTS</b>				
POLY 3	P=0.036*	P=0.039*	P=0.002**	P=0.012*
POLY 1.5	P=0.023*	P=0.045*	P<0.001**	P=0.008**
POLY 6	P=0.061	P=0.033*	P=0.004**	P=0.019*
COCH-ARM / FISHERS	P=0.012*	P=0.077	P<0.001**	P=0.005**
MAX-ISO-POLY-3	P<0.001**	P=0.020*	P<0.001**	P=0.006**

Experiment Number: 10472 - 03  
 Test Type: CHRONIC  
 Route: RESPIRATORY EXPOSURE WHOLE BODY  
 Species/Strain: RATS/HSD

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

DOSE	Females			
	Control	100 ppm	300 ppm	1000 ppm
<b>Lung Metaplasia</b>				
<b>LESION RATES</b>				
OVERALL (a)	1/50 (2%)	2/50 (4%)	2/50 (4%)	0/50 (0%)
POLY-3 RATE (b)	1/34.94	2/37.27	2/39.53	0/43.55
POLY-3 PERCENT (g)	2.9%	5.4%	5.1%	0%
TERMINAL (d)	1/22 (5%)	1/21 (5%)	2/25 (8%)	0/30 (0%)
FIRST INCIDENCE	731 (T)	691	731 (T)	---
<b>STATISTICAL TESTS</b>				
POLY 3	P=0.184N	P=0.523	P=0.543	P=0.456N
POLY 1.5	P=0.205N	P=0.514	P=0.528	P=0.472N
POLY 6	P=0.166N	P=0.524	P=0.556	P=0.443N
COCH-ARM / FISHERS	P=0.243N	P=0.500	P=0.500	P=0.500N
MAX-ISO-POLY-3	P=0.257N	P=0.304	P=0.326	P=0.158N

Experiment Number: 10472 - 03  
 Test Type: CHRONIC  
 Route: RESPIRATORY EXPOSURE WHOLE BODY  
 Species/Strain: RATS/HSD

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

DOSE	Females			
	Control	100 ppm	300 ppm	1000 ppm
<b>Lung Metaplasia Osseous</b>				
<b>LESION RATES</b>				
OVERALL (a)	5/50 (10%)	4/50 (8%)	4/50 (8%)	2/50 (4%)
POLY-3 RATE (b)	5/36.10	4/38.92	4/41.71	2/43.55
POLY-3 PERCENT (g)	13.9%	10.3%	9.6%	4.6%
TERMINAL (d)	2/22 (9%)	1/21 (5%)	1/25 (4%)	2/30 (7%)
FIRST INCIDENCE	584	459	395	731 (T)
<b>STATISTICAL TESTS</b>				
POLY 3	P=0.130N	P=0.452N	P=0.409N	P=0.146N
POLY 1.5	P=0.148N	P=0.468N	P=0.439N	P=0.168N
POLY 6	P=0.115N	P=0.453N	P=0.389N	P=0.132N
COCH-ARM / FISHERS	P=0.186N	P=0.500N	P=0.500N	P=0.218N
MAX-ISO-POLY-3	P=0.162N	P=0.323N	P=0.293N	P=0.092N

Experiment Number: 10472 - 03  
 Test Type: CHRONIC  
 Route: RESPIRATORY EXPOSURE WHOLE BODY  
 Species/Strain: RATS/HSD

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

DOSE	Females			
	Control	100 ppm	300 ppm	1000 ppm
<b>Lung: Alveolar Epithelium Hyperplasia</b>				
<b>LESION RATES</b>				
OVERALL (a)	2/50 (4%)	0/50 (0%)	1/50 (2%)	1/50 (2%)
POLY-3 RATE (b)	2/34.94	0/37.11	1/39.53	1/43.55
POLY-3 PERCENT (g)	5.7%	0%	2.5%	2.3%
TERMINAL (d)	2/22 (9%)	0/21 (0%)	1/25 (4%)	1/30 (3%)
FIRST INCIDENCE	731 (T)	---	731 (T)	731 (T)
<b>STATISTICAL TESTS</b>				
POLY 3	P=0.590N	P=0.223N	P=0.457N	P=0.424N
POLY 1.5	P=0.604N	P=0.228N	P=0.472N	P=0.451N
POLY 6	P=0.573N	P=0.222N	P=0.444N	P=0.401N
COCH-ARM / FISHERS	P=0.627N	P=0.247N	P=0.500N	P=0.500N
MAX-ISO-POLY-3	P=0.253N	P=0.075N	P=0.257N	P=0.242N

Experiment Number: 10472 - 03  
 Test Type: CHRONIC  
 Route: RESPIRATORY EXPOSURE WHOLE BODY  
 Species/Strain: RATS/HSD

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS  
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Date Report Requested: 05/16/2016  
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 First Dose M/F: 01/17/11 / 01/17/11  
 Lab: BNW

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

DOSE	Females			
	Control	100 ppm	300 ppm	1000 ppm
<b>Lung: Alveolus Infiltration Cellular Histiocyte</b>				
<b>LESION RATES</b>				
OVERALL (a)	35/50 (70%)	31/50 (62%)	36/50 (72%)	33/50 (66%)
POLY-3 RATE (b)	35/45.53	31/45.37	36/46.11	33/48.42
POLY-3 PERCENT (g)	76.9%	68.3%	78.1%	68.2%
TERMINAL (d)	16/22 (73%)	13/21 (62%)	20/25 (80%)	19/30 (63%)
FIRST INCIDENCE	311	395	395	530
<b>STATISTICAL TESTS</b>				
POLY 3	P=0.270N	P=0.239N	P=0.547	P=0.231N
POLY 1.5	P=0.343N	P=0.248N	P=0.544	P=0.286N
POLY 6	P=0.203N	P=0.260N	P=0.526	P=0.195N
COCH-ARM / FISHERS	P=0.500N	P=0.263N	P=0.500	P=0.415N
MAX-ISO-POLY-3	P=0.272N	P=0.170N	P=0.441	P=0.173N

Experiment Number: 10472 - 03  
Test Type: CHRONIC  
Route: RESPIRATORY EXPOSURE WHOLE BODY  
Species/Strain: RATS/HSD

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

Date Report Requested: 05/16/2016  
Time Report Requested: 11:15:09  
First Dose M/F: 01/17/11 / 01/17/11  
Lab: BNW

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

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DOSE	Females			
	Control	100 ppm	300 ppm	1000 ppm
<b>Lymph Node, Mandibular Congestion</b>				
<b>LESION RATES</b>				
OVERALL (a)	0/49 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
POLY-3 RATE (b)	0/33.94	0/37.11	0/39.53	0/43.55
POLY-3 PERCENT (g)	0%	0%	0%	0%
TERMINAL (d)	0/21 (0%)	0/21 (0%)	0/25 (0%)	0/30 (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 - 03  
 Test Type: CHRONIC  
 Route: RESPIRATORY EXPOSURE WHOLE BODY  
 Species/Strain: RATS/HSD

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

Date Report Requested: 05/16/2016  
 Time Report Requested: 11:15:09  
 First Dose M/F: 01/17/11 / 01/17/11  
 Lab: BNW

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

DOSE	Females			
	Control	100 ppm	300 ppm	1000 ppm
<b>Lymph Node, Mandibular Hyperplasia</b>				
<b>LESION RATES</b>				
OVERALL (a)	2/49 (4%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
POLY-3 RATE (b)	2/35.50	0/37.11	0/39.53	0/43.55
POLY-3 PERCENT (g)	5.6%	0%	0%	0%
TERMINAL (d)	0/21 (0%)	0/21 (0%)	0/25 (0%)	0/30 (0%)
FIRST INCIDENCE	303	---	---	---
<b>STATISTICAL TESTS</b>				
POLY 3	P=0.257N	P=0.226N	P=0.213N	P=0.194N
POLY 1.5	P=0.258N	P=0.229N	P=0.220N	P=0.208N
POLY 6	P=0.253N	P=0.229N	P=0.208N	P=0.183N
COCH-ARM / FISHERS	P=0.260N	P=0.242N	P=0.242N	P=0.242N
MAX-ISO-POLY-3	P=0.033N*	P=0.074N	P=0.074N	P=0.074N



Experiment Number: 10472 - 03  
 Test Type: CHRONIC  
 Route: RESPIRATORY EXPOSURE WHOLE BODY  
 Species/Strain: RATS/HSD

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

Date Report Requested: 05/16/2016  
 Time Report Requested: 11:15:09  
 First Dose M/F: 01/17/11 / 01/17/11  
 Lab: BNW

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

DOSE	Females			
	Control	100 ppm	300 ppm	1000 ppm
<b>Lymph Node, Mediastinal Congestion</b>				
<b>LESION RATES</b>				
OVERALL (a)	0/50 (0%)	1/50 (2%)	0/50 (0%)	0/49 (0%)
POLY-3 RATE (b)	0/34.94	1/37.71	0/39.53	0/42.77
POLY-3 PERCENT (g)	0%	2.7%	0%	0%
TERMINAL (d)	0/22 (0%)	0/21 (0%)	0/25 (0%)	0/30 (0%)
FIRST INCIDENCE	---	537	---	---
<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 - 03  
Test Type: CHRONIC  
Route: RESPIRATORY EXPOSURE WHOLE BODY  
Species/Strain: RATS/HSD

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

Date Report Requested: 05/16/2016  
Time Report Requested: 11:15:09  
First Dose M/F: 01/17/11 / 01/17/11  
Lab: BNW

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

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DOSE	Females			
	Control	100 ppm	300 ppm	1000 ppm
<b>Lymph Node, Mesenteric Congestion</b>				
<b>LESION RATES</b>				
OVERALL (a)	1/50 (2%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
POLY-3 RATE (b)	1/35.08	0/37.11	0/39.53	0/43.55
POLY-3 PERCENT (g)	2.9%	0%	0%	0%
TERMINAL (d)	0/22 (0%)	0/21 (0%)	0/25 (0%)	0/30 (0%)
FIRST INCIDENCE	696	---	---	---
<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 - 03  
 Test Type: CHRONIC  
 Route: RESPIRATORY EXPOSURE WHOLE BODY  
 Species/Strain: RATS/HSD

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

Date Report Requested: 05/16/2016  
 Time Report Requested: 11:15:09  
 First Dose M/F: 01/17/11 / 01/17/11  
 Lab: BNW

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

DOSE	Females			
	Control	100 ppm	300 ppm	1000 ppm
<b>Lymph Node: Iliac Hyperplasia</b>				
<b>LESION RATES</b>				
OVERALL (a)	0/2 (0%)	1/6 (17%)	2/5 (40%)	0/3 (0%)
POLY-3 RATE (b)	0/1.69	1/4.07	2/3.47	0/2.14
POLY-3 PERCENT (g)	0%	24.6%	57.7%	0%
TERMINAL (d)	0/1 (0%)	0/1 (0%)	0/0 (0%)	0/1 (0%)
FIRST INCIDENCE	---	691	654	---
<b>STATISTICAL TESTS</b>				
POLY 3	P=0.599N	P=0.683	P=0.374	(e)
POLY 1.5	P=0.579N	P=0.692	P=0.403	(e)
POLY 6	P=0.639N	P=0.679	P=0.351	(e)
COCH-ARM / FISHERS	P=0.569N	P=0.750	P=0.476	(e)
MAX-ISO-POLY-3	P=0.336	P=0.278	P=0.113	(e)

Experiment Number: 10472 - 03  
 Test Type: CHRONIC  
 Route: RESPIRATORY EXPOSURE WHOLE BODY  
 Species/Strain: RATS/HSD

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

Date Report Requested: 05/16/2016  
 Time Report Requested: 11:15:09  
 First Dose M/F: 01/17/11 / 01/17/11  
 Lab: BNW

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

DOSE	Females			
	Control	100 ppm	300 ppm	1000 ppm
<b>Lymph Node: Renal Congestion</b>				
<b>LESION RATES</b>				
OVERALL (a)	1/2 (50%)	1/6 (17%)	2/5 (40%)	0/3 (0%)
POLY-3 RATE (b)	1/2.00	1/4.57	2/4.06	0/2.14
POLY-3 PERCENT (g)	50%	21.9%	49.3%	0%
TERMINAL (d)	0/1 (0%)	0/1 (0%)	0/0 (0%)	0/1 (0%)
FIRST INCIDENCE	646	511	395	---
<b>STATISTICAL TESTS</b>				
POLY 3	P=0.387N	P=0.577N	P=0.781N	P=0.486N
POLY 1.5	P=0.367N	P=0.545N	P=0.742N	P=0.451N
POLY 6	P=0.430N	P=0.621N	P=0.757	P=0.537N
COCH-ARM / FISHERS	P=0.353N	P=0.464N	P=0.714N	P=0.400N
MAX-ISO-POLY-3	P=0.254N	P=0.268N	P=0.493N	P=0.145N

Experiment Number: 10472 - 03  
 Test Type: CHRONIC  
 Route: RESPIRATORY EXPOSURE WHOLE BODY  
 Species/Strain: RATS/HSD

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

Date Report Requested: 05/16/2016  
 Time Report Requested: 11:15:09  
 First Dose M/F: 01/17/11 / 01/17/11  
 Lab: BNW

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

DOSE	Females			
	Control	100 ppm	300 ppm	1000 ppm
<b>Lymph Node: Renal Ectasia</b>				
<b>LESION RATES</b>				
OVERALL (a)	0/2 (0%)	1/6 (17%)	0/5 (0%)	0/3 (0%)
POLY-3 RATE (b)	0/1.69	1/4.07	0/3.07	0/2.14
POLY-3 PERCENT (g)	0%	24.6%	0%	0%
TERMINAL (d)	0/1 (0%)	0/1 (0%)	0/0 (0%)	0/1 (0%)
FIRST INCIDENCE	---	691	---	---
<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 - 03  
 Test Type: CHRONIC  
 Route: RESPIRATORY EXPOSURE WHOLE BODY  
 Species/Strain: RATS/HSD

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

Date Report Requested: 05/16/2016  
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 First Dose M/F: 01/17/11 / 01/17/11  
 Lab: BNW

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

DOSE	Females			
	Control	100 ppm	300 ppm	1000 ppm
<b>Mammary Gland Hyperplasia Cystic</b>				
<b>LESION RATES</b>				
OVERALL (a)	2/50 (4%)	7/50 (14%)	1/50 (2%)	1/50 (2%)
POLY-3 RATE (b)	2/36.18	7/38.51	1/39.53	1/43.55
POLY-3 PERCENT (g)	5.5%	18.2%	2.5%	2.3%
TERMINAL (d)	0/22 (0%)	2/21 (10%)	1/25 (4%)	1/30 (3%)
FIRST INCIDENCE	528	612	731 (T)	731 (T)
<b>STATISTICAL TESTS</b>				
POLY 3	P=0.073N	P=0.090	P=0.469N	P=0.436N
POLY 1.5	P=0.086N	P=0.086	P=0.479N	P=0.457N
POLY 6	P=0.063N	P=0.092	P=0.464N	P=0.419N
COCH-ARM / FISHERS	P=0.117N	P=0.080	P=0.500N	P=0.500N
MAX-ISO-POLY-3	P=0.089N	P=0.049*	P=0.263N	P=0.247N

Experiment Number: 10472 - 03  
Test Type: CHRONIC  
Route: RESPIRATORY EXPOSURE WHOLE BODY  
Species/Strain: RATS/HSD

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

Date Report Requested: 05/16/2016  
Time Report Requested: 11:15:09  
First Dose M/F: 01/17/11 / 01/17/11  
Lab: BNW

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

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DOSE	Females			
	Control	100 ppm	300 ppm	1000 ppm
<b>Mesentery: Fat Necrosis</b>				
<b>LESION RATES</b>				
OVERALL (a)	1/1 (100%)	0/1 (0%)	0/1 (0%)	0/2 (0%)
POLY-3 RATE (b)	1/1.00	0/0.78	0/1.00	0/1.89
POLY-3 PERCENT (g)	100%	0%	0%	0%
TERMINAL (d)	0/0 (0%)	0/0 (0%)	0/1 (0%)	0/1 (0%)
FIRST INCIDENCE	534	---	---	---
<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 - 03  
Test Type: CHRONIC  
Route: RESPIRATORY EXPOSURE WHOLE BODY  
Species/Strain: RATS/HSD

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS  
p-Chloro-a,a,a-trifluorotoluene  
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Date Report Requested: 05/16/2016  
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Lab: BNW

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

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DOSE	Females			
	Control	100 ppm	300 ppm	1000 ppm
<hr/>				
Nose Exudate				
<hr/>				
<b>LESION RATES</b>				
OVERALL (a)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
POLY-3 RATE (b)	0/34.94	0/37.11	0/39.53	0/43.55
POLY-3 PERCENT (g)	0%	0%	0%	0%
TERMINAL (d)	0/22 (0%)	0/21 (0%)	0/25 (0%)	0/30 (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 - 03  
 Test Type: CHRONIC  
 Route: RESPIRATORY EXPOSURE WHOLE BODY  
 Species/Strain: RATS/HSD

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS  
 p-Chloro-a,a,a-trifluorotoluene  
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Date Report Requested: 05/16/2016  
 Time Report Requested: 11:15:09  
 First Dose M/F: 01/17/11 / 01/17/11  
 Lab: BNW

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

DOSE	Females			
	Control	100 ppm	300 ppm	1000 ppm
<b>Nose Inflammation</b>				
<b>LESION RATES</b>				
OVERALL (a)	2/50 (4%)	3/50 (6%)	6/50 (12%)	2/50 (4%)
POLY-3 RATE (b)	2/35.76	3/37.11	6/40.11	2/43.55
POLY-3 PERCENT (g)	5.6%	8.1%	15%	4.6%
TERMINAL (d)	0/22 (0%)	3/21 (14%)	3/25 (12%)	2/30 (7%)
FIRST INCIDENCE	540	731 (T)	654	731 (T)
<b>STATISTICAL TESTS</b>				
POLY 3	P=0.337N	P=0.517	P=0.170	P=0.621N
POLY 1.5	P=0.383N	P=0.512	P=0.157	P=0.647N
POLY 6	P=0.296N	P=0.509	P=0.182	P=0.601N
COCH-ARM / FISHERS	P=0.471N	P=0.500	P=0.134	P=0.691N
MAX-ISO-POLY-3	P=0.365N	P=0.340	P=0.104	P=0.426N

Experiment Number: 10472 - 03  
 Test Type: CHRONIC  
 Route: RESPIRATORY EXPOSURE WHOLE BODY  
 Species/Strain: RATS/HSD

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

Date Report Requested: 05/16/2016  
 Time Report Requested: 11:15:09  
 First Dose M/F: 01/17/11 / 01/17/11  
 Lab: BNW

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

DOSE	Females			
	Control	100 ppm	300 ppm	1000 ppm
<b>Nose</b>				
<b>Inflammation Chronic</b>				
<b>LESION RATES</b>				
OVERALL (a)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
POLY-3 RATE (b)	0/34.94	0/37.11	0/39.53	0/43.55
POLY-3 PERCENT (g)	0%	0%	0%	0%
TERMINAL (d)	0/22 (0%)	0/21 (0%)	0/25 (0%)	0/30 (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 - 03  
 Test Type: CHRONIC  
 Route: RESPIRATORY EXPOSURE WHOLE BODY  
 Species/Strain: RATS/HSD

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

Date Report Requested: 05/16/2016  
 Time Report Requested: 11:15:09  
 First Dose M/F: 01/17/11 / 01/17/11  
 Lab: BNW

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

DOSE	Females			
	Control	100 ppm	300 ppm	1000 ppm
<b>Nose: Olfactory Epithelium Accumulation, Hyaline Droplet</b>				
<b>LESION RATES</b>				
OVERALL (a)	40/50 (80%)	36/50 (72%)	40/50 (80%)	30/50 (60%)
POLY-3 RATE (b)	40/47.57	36/48.28	40/49.51	30/48.76
POLY-3 PERCENT (g)	84.1%	74.6%	80.8%	61.5%
TERMINAL (d)	16/22 (73%)	10/21 (48%)	18/25 (72%)	15/30 (50%)
FIRST INCIDENCE	303	395	395	530
<b>STATISTICAL TESTS</b>				
POLY 3	P=0.008N**	P=0.181N	P=0.435N	P=0.009N**
POLY 1.5	P=0.009N**	P=0.205N	P=0.479N	P=0.011N*
POLY 6	P=0.008N**	P=0.173N	P=0.420N	P=0.009N**
COCH-ARM / FISHERS	P=0.018N*	P=0.241N	P=0.598N	P=0.024N*
MAX-ISO-POLY-3	P=0.008N**	P=0.123N	P=0.335N	P=0.005N**

Experiment Number: 10472 - 03  
 Test Type: CHRONIC  
 Route: RESPIRATORY EXPOSURE WHOLE BODY  
 Species/Strain: RATS/HSD

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

Date Report Requested: 05/16/2016  
 Time Report Requested: 11:15:09  
 First Dose M/F: 01/17/11 / 01/17/11  
 Lab: BNW

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

DOSE	Females			
	Control	100 ppm	300 ppm	1000 ppm
<b>Nose: Olfactory Epithelium Degeneration</b>				
<b>LESION RATES</b>				
OVERALL (a)	0/50 (0%)	1/50 (2%)	2/50 (4%)	0/50 (0%)
POLY-3 RATE (b)	0/34.94	1/37.11	2/39.53	0/43.55
POLY-3 PERCENT (g)	0%	2.7%	5.1%	0%
TERMINAL (d)	0/22 (0%)	1/21 (5%)	2/25 (8%)	0/30 (0%)
FIRST INCIDENCE	---	731 (T)	731 (T)	---
<b>STATISTICAL TESTS</b>				
POLY 3	P=0.419N	P=0.512	P=0.265	(e)
POLY 1.5	P=0.448N	P=0.508	P=0.255	(e)
POLY 6	P=0.392N	P=0.512	P=0.274	(e)
COCH-ARM / FISHERS	P=0.500N	P=0.500	P=0.247	(e)
MAX-ISO-POLY-3	P=0.356N	P=0.173	P=0.102	(e)

Experiment Number: 10472 - 03  
 Test Type: CHRONIC  
 Route: RESPIRATORY EXPOSURE WHOLE BODY  
 Species/Strain: RATS/HSD

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

Date Report Requested: 05/16/2016  
 Time Report Requested: 11:15:09  
 First Dose M/F: 01/17/11 / 01/17/11  
 Lab: BNW

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

DOSE	Females			
	Control	100 ppm	300 ppm	1000 ppm
Ovary Cyst				
<b>LESION RATES</b>				
OVERALL (a)	11/50 (22%)	7/50 (14%)	8/50 (16%)	10/50 (20%)
POLY-3 RATE (b)	11/36.20	7/39.68	8/40.44	10/44.69
POLY-3 PERCENT (g)	30.4%	17.6%	19.8%	22.4%
TERMINAL (d)	7/22 (32%)	0/21 (0%)	4/25 (16%)	7/30 (23%)
FIRST INCIDENCE	534	511	654	549
<b>STATISTICAL TESTS</b>				
POLY 3	P=0.500N	P=0.147N	P=0.207N	P=0.287N
POLY 1.5	P=0.555N	P=0.173N	P=0.240N	P=0.360N
POLY 6	P=0.450N	P=0.127N	P=0.177N	P=0.229N
COCH-ARM / FISHERS	P=0.472	P=0.218N	P=0.306N	P=0.500N
MAX-ISO-POLY-3	P=0.253N	P=0.102N	P=0.151N	P=0.229N

Experiment Number: 10472 - 03  
 Test Type: CHRONIC  
 Route: RESPIRATORY EXPOSURE WHOLE BODY  
 Species/Strain: RATS/HSD

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

Date Report Requested: 05/16/2016  
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 Lab: BNW

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

DOSE	Females			
	Control	100 ppm	300 ppm	1000 ppm
<b>Pancreas: Acinus Atrophy</b>				
<b>LESION RATES</b>				
OVERALL (a)	2/50 (4%)	4/50 (8%)	0/50 (0%)	2/50 (4%)
POLY-3 RATE (b)	2/35.55	4/38.48	0/39.53	2/43.55
POLY-3 PERCENT (g)	5.6%	10.4%	0%	4.6%
TERMINAL (d)	1/22 (5%)	2/21 (10%)	0/25 (0%)	2/30 (7%)
FIRST INCIDENCE	536	458	---	731 (T)
<b>STATISTICAL TESTS</b>				
POLY 3	P=0.420N	P=0.373	P=0.214N	P=0.619N
POLY 1.5	P=0.442N	P=0.360	P=0.221N	P=0.646N
POLY 6	P=0.401N	P=0.376	P=0.208N	P=0.596N
COCH-ARM / FISHERS	P=0.482N	P=0.339	P=0.247N	P=0.691N
MAX-ISO-POLY-3	P=0.241N	P=0.236	P=0.075N	P=0.424N

Experiment Number: 10472 - 03  
 Test Type: CHRONIC  
 Route: RESPIRATORY EXPOSURE WHOLE BODY  
 Species/Strain: RATS/HSD

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

Date Report Requested: 05/16/2016  
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 First Dose M/F: 01/17/11 / 01/17/11  
 Lab: BNW

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

DOSE	Females			
	Control	100 ppm	300 ppm	1000 ppm
<b>Pancreas: Acinus Hyperplasia</b>				
<b>LESION RATES</b>				
OVERALL (a)	1/50 (2%)	1/50 (2%)	0/50 (0%)	4/50 (8%)
POLY-3 RATE (b)	1/34.94	1/37.11	0/39.53	4/44.56
POLY-3 PERCENT (g)	2.9%	2.7%	0%	9%
TERMINAL (d)	1/22 (5%)	1/21 (5%)	0/25 (0%)	1/30 (3%)
FIRST INCIDENCE	731 (T)	731 (T)	---	590
<b>STATISTICAL TESTS</b>				
POLY 3	P=0.057	P=0.748N	P=0.475N	P=0.261
POLY 1.5	P=0.049*	P=0.752N	P=0.484N	P=0.229
POLY 6	P=0.067	P=0.749N	P=0.468N	P=0.295
COCH-ARM / FISHERS	P=0.040*	P=0.753N	P=0.500N	P=0.181
MAX-ISO-POLY-3	P=0.091	P=0.482N	P=0.158N	P=0.162

Experiment Number: 10472 - 03  
 Test Type: CHRONIC  
 Route: RESPIRATORY EXPOSURE WHOLE BODY  
 Species/Strain: RATS/HSD

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

Date Report Requested: 05/16/2016  
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**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(HSD)  
 TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Females			
	Control	100 ppm	300 ppm	1000 ppm
<b>Pancreas: Artery Inflammation</b>				
<b>LESION RATES</b>				
OVERALL (a)	3/50 (6%)	7/50 (14%)	5/50 (10%)	5/50 (10%)
POLY-3 RATE (b)	3/35.50	7/38.84	5/39.97	5/44.00
POLY-3 PERCENT (g)	8.5%	18%	12.5%	11.4%
TERMINAL (d)	2/22 (9%)	4/21 (19%)	4/25 (16%)	3/30 (10%)
FIRST INCIDENCE	556	463	602	642
<b>STATISTICAL TESTS</b>				
POLY 3	P=0.484N	P=0.191	P=0.422	P=0.479
POLY 1.5	P=0.537N	P=0.179	P=0.399	P=0.434
POLY 6	P=0.432N	P=0.196	P=0.442	P=0.519
COCH-ARM / FISHERS	P=0.536	P=0.159	P=0.357	P=0.357
MAX-ISO-POLY-3	P=0.417	P=0.122	P=0.295	P=0.349



Experiment Number: 10472 - 03  
 Test Type: CHRONIC  
 Route: RESPIRATORY EXPOSURE WHOLE BODY  
 Species/Strain: RATS/HSD

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

Date Report Requested: 05/16/2016  
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 Lab: BNW

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

DOSE	Females			
	Control	100 ppm	300 ppm	1000 ppm
<b>Parathyroid Gland Fibrosis</b>				
<b>LESION RATES</b>				
OVERALL (a)	0/45 (0%)	0/44 (0%)	1/48 (2%)	4/42 (10%)
POLY-3 RATE (b)	0/31.62	0/32.16	1/37.85	4/36.80
POLY-3 PERCENT (g)	0%	0%	2.6%	10.9%
TERMINAL (d)	0/20 (0%)	0/19 (0%)	1/24 (4%)	2/25 (8%)
FIRST INCIDENCE	---	---	731 (T)	674
<b>STATISTICAL TESTS</b>				
POLY 3	P=0.006**	(e)	P=0.536	P=0.081
POLY 1.5	P=0.005**	(e)	P=0.528	P=0.069
POLY 6	P=0.007**	(e)	P=0.542	P=0.093
COCH-ARM / FISHERS	P=0.004**	(e)	P=0.516	P=0.050*
MAX-ISO-POLY-3	P=0.010**	(e)	P=0.198	P=0.039*

Experiment Number: 10472 - 03  
 Test Type: CHRONIC  
 Route: RESPIRATORY EXPOSURE WHOLE BODY  
 Species/Strain: RATS/HSD

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

Date Report Requested: 05/16/2016  
 Time Report Requested: 11:15:09  
 First Dose M/F: 01/17/11 / 01/17/11  
 Lab: BNW

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

DOSE	Females			
	Control	100 ppm	300 ppm	1000 ppm
<b>Parathyroid Gland Hyperplasia</b>				
<b>LESION RATES</b>				
OVERALL (a)	0/45 (0%)	0/44 (0%)	1/48 (2%)	1/42 (2%)
POLY-3 RATE (b)	0/31.62	0/32.16	1/37.85	1/36.68
POLY-3 PERCENT (g)	0%	0%	2.6%	2.7%
TERMINAL (d)	0/20 (0%)	0/19 (0%)	1/24 (4%)	0/25 (0%)
FIRST INCIDENCE	---	---	731 (T)	674
<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 - 03  
Test Type: CHRONIC  
Route: RESPIRATORY EXPOSURE WHOLE BODY  
Species/Strain: RATS/HSD

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

Date Report Requested: 05/16/2016  
Time Report Requested: 11:15:09  
First Dose M/F: 01/17/11 / 01/17/11  
Lab: BNW

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

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DOSE	Females			
	Control	100 ppm	300 ppm	1000 ppm
<b>Peripheral Nerve: Axon Degeneration</b>				
<b>LESION RATES</b>				
OVERALL (a)	0/1 (0%)	0/4 (0%)	0/2 (0%)	0/1 (0%)
POLY-3 RATE (b)	0/0.55	0/1.79	0/1.12	0/0.84
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 - 03  
 Test Type: CHRONIC  
 Route: RESPIRATORY EXPOSURE WHOLE BODY  
 Species/Strain: RATS/HSD

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 RATS(HSD)  
 TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Females			
	Control	100 ppm	300 ppm	1000 ppm
<b>Pituitary Gland Angiectasis</b>				
<b>LESION RATES</b>				
OVERALL (a)	1/50 (2%)	1/50 (2%)	0/50 (0%)	2/50 (4%)
POLY-3 RATE (b)	1/34.95	1/37.42	0/39.53	2/43.55
POLY-3 PERCENT (g)	2.9%	2.7%	0%	4.6%
TERMINAL (d)	0/22 (0%)	0/21 (0%)	0/25 (0%)	2/30 (7%)
FIRST INCIDENCE	729	646	---	731 (T)
<b>STATISTICAL TESTS</b>				
POLY 3	P=0.374	P=0.746N	P=0.475N	P=0.576
POLY 1.5	P=0.357	P=0.751N	P=0.484N	P=0.549
POLY 6	P=0.392	P=0.745N	P=0.468N	P=0.599
COCH-ARM / FISHERS	P=0.325	P=0.753N	P=0.500N	P=0.500
MAX-ISO-POLY-3	P=0.392	P=0.480N	P=0.158N	P=0.361

Experiment Number: 10472 - 03  
 Test Type: CHRONIC  
 Route: RESPIRATORY EXPOSURE WHOLE BODY  
 Species/Strain: RATS/HSD

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

DOSE	Females			
	Control	100 ppm	300 ppm	1000 ppm
<b>Pituitary Gland Cyst</b>				
<b>LESION RATES</b>				
OVERALL (a)	0/50 (0%)	0/50 (0%)	1/50 (2%)	1/50 (2%)
POLY-3 RATE (b)	0/34.94	0/37.11	1/39.77	1/43.55
POLY-3 PERCENT (g)	0%	0%	2.5%	2.3%
TERMINAL (d)	0/22 (0%)	0/21 (0%)	0/25 (0%)	1/30 (3%)
FIRST INCIDENCE	---	---	665	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 - 03  
Test Type: CHRONIC  
Route: RESPIRATORY EXPOSURE WHOLE BODY  
Species/Strain: RATS/HSD

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

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DOSE	Females			
	Control	100 ppm	300 ppm	1000 ppm
<b>Pituitary Gland: Pars Distalis Hyperplasia</b>				
<b>LESION RATES</b>				
OVERALL (a)	15/50 (30%)	14/50 (28%)	16/50 (32%)	17/50 (34%)
POLY-3 RATE (b)	15/37.51	14/37.83	16/40.20	17/45.31
POLY-3 PERCENT (g)	40%	37%	39.8%	37.5%
TERMINAL (d)	10/22 (46%)	12/21 (57%)	12/25 (48%)	12/30 (40%)
FIRST INCIDENCE	484	612	605	530
<b>STATISTICAL TESTS</b>				
POLY 3	P=0.498N	P=0.488N	P=0.588N	P=0.499N
POLY 1.5	P=0.510	P=0.486N	P=0.571	P=0.587
POLY 6	P=0.377N	P=0.528N	P=0.580N	P=0.419N
COCH-ARM / FISHERS	P=0.326	P=0.500N	P=0.500	P=0.415
MAX-ISO-POLY-3	P=0.641N	P=0.391N	P=0.493N	P=0.414N

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Experiment Number: 10472 - 03  
Test Type: CHRONIC  
Route: RESPIRATORY EXPOSURE WHOLE BODY  
Species/Strain: RATS/HSD

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

p-Chloro-a,a,a-trifluorotoluene

CAS Number: 98-56-6

Date Report Requested: 05/16/2016

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First Dose M/F: 01/17/11 / 01/17/11

Lab: BNW

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

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DOSE	Females			
	Control	100 ppm	300 ppm	1000 ppm
<b>Salivary Glands Inflammation</b>				
<b>LESION RATES</b>				
OVERALL (a)	1/50 (2%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
POLY-3 RATE (b)	1/34.94	0/37.11	0/39.53	0/43.55
POLY-3 PERCENT (g)	2.9%	0%	0%	0%
TERMINAL (d)	1/22 (5%)	0/21 (0%)	0/25 (0%)	0/30 (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)

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Experiment Number: 10472 - 03  
Test Type: CHRONIC  
Route: RESPIRATORY EXPOSURE WHOLE BODY  
Species/Strain: RATS/HSD

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 RATS(HSD)  
TERMINAL SACRIFICE AT 105 WEEKS**

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DOSE	Females			
	Control	100 ppm	300 ppm	1000 ppm
<b>Skeletal Muscle Inflammation</b>				
<b>LESION RATES</b>				
OVERALL (a)	0/3 (0%)	0/6 (0%)	0/1 (0%)	0/3 (0%)
POLY-3 RATE (b)	0/2.08	0/3.24	0/0.68	0/2.17
POLY-3 PERCENT (g)	0%	0%	0%	0%
TERMINAL (d)	0/1 (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 - 03  
 Test Type: CHRONIC  
 Route: RESPIRATORY EXPOSURE WHOLE BODY  
 Species/Strain: RATS/HSD

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

DOSE	Females			
	Control	100 ppm	300 ppm	1000 ppm
<b>Skin</b>				
Cyst Epithelial Inclusion				
<b>LESION RATES</b>				
OVERALL (a)	1/50 (2%)	0/50 (0%)	3/50 (6%)	0/50 (0%)
POLY-3 RATE (b)	1/35.50	0/37.11	3/40.51	0/43.55
POLY-3 PERCENT (g)	2.8%	0%	7.4%	0%
TERMINAL (d)	0/22 (0%)	0/21 (0%)	1/25 (4%)	0/30 (0%)
FIRST INCIDENCE	556	---	459	---
<b>STATISTICAL TESTS</b>				
POLY 3	P=0.343N	P=0.491N	P=0.353	P=0.460N
POLY 1.5	P=0.371N	P=0.494N	P=0.336	P=0.474N
POLY 6	P=0.313N	P=0.493N	P=0.368	P=0.448N
COCH-ARM / FISHERS	P=0.423N	P=0.500N	P=0.309	P=0.500N
MAX-ISO-POLY-3	P=0.297N	P=0.158N	P=0.202	P=0.158N

Experiment Number: 10472 - 03  
Test Type: CHRONIC  
Route: RESPIRATORY EXPOSURE WHOLE BODY  
Species/Strain: RATS/HSD

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

Date Report Requested: 05/16/2016  
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First Dose M/F: 01/17/11 / 01/17/11  
Lab: BNW

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

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DOSE	Females			
	Control	100 ppm	300 ppm	1000 ppm
<b>Skin Inflammation</b>				
<b>LESION RATES</b>				
OVERALL (a)	0/50 (0%)	0/50 (0%)	0/50 (0%)	1/50 (2%)
POLY-3 RATE (b)	0/34.94	0/37.11	0/39.53	1/43.68
POLY-3 PERCENT (g)	0%	0%	0%	2.3%
TERMINAL (d)	0/22 (0%)	0/21 (0%)	0/25 (0%)	0/30 (0%)
FIRST INCIDENCE	---	---	---	698
<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 - 03  
 Test Type: CHRONIC  
 Route: RESPIRATORY EXPOSURE WHOLE BODY  
 Species/Strain: RATS/HSD

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

Date Report Requested: 05/16/2016  
 Time Report Requested: 11:15:09  
 First Dose M/F: 01/17/11 / 01/17/11  
 Lab: BNW

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

DOSE	Females			
	Control	100 ppm	300 ppm	1000 ppm
<b>Skin</b>				
<b>Ulcer</b>				
<b>LESION RATES</b>				
OVERALL (a)	3/50 (6%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
POLY-3 RATE (b)	3/36.92	0/37.11	0/39.53	0/43.55
POLY-3 PERCENT (g)	8.1%	0%	0%	0%
TERMINAL (d)	0/22 (0%)	0/21 (0%)	0/25 (0%)	0/30 (0%)
FIRST INCIDENCE	450	---	---	---
<b>STATISTICAL TESTS</b>				
POLY 3	P=0.138N	P=0.116N	P=0.106N	P=0.091N
POLY 1.5	P=0.141N	P=0.116N	P=0.110N	P=0.100N
POLY 6	P=0.130N	P=0.121N	P=0.104N	P=0.085N
COCH-ARM / FISHERS	P=0.149N	P=0.121N	P=0.121N	P=0.121N
MAX-ISO-POLY-3	P=0.010N**	P=0.037N*	P=0.037N*	P=0.037N*

Experiment Number: 10472 - 03  
 Test Type: CHRONIC  
 Route: RESPIRATORY EXPOSURE WHOLE BODY  
 Species/Strain: RATS/HSD

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

p-Chloro-a,a,a-trifluorotoluene

CAS Number: 98-56-6

Date Report Requested: 05/16/2016

Time Report Requested: 11:15:09

First Dose M/F: 01/17/11 / 01/17/11

Lab: BNW

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

DOSE	Females			
	Control	100 ppm	300 ppm	1000 ppm
<b>Spleen</b>				
<b>Hematopoietic Cell Proliferation</b>				
<b>LESION RATES</b>				
<b>OVERALL (a)</b>	31/50 (62%)	31/50 (62%)	38/50 (76%)	36/50 (72%)
<b>POLY-3 RATE (b)</b>	31/40.80	31/44.10	38/46.59	36/46.41
<b>POLY-3 PERCENT (g)</b>	76%	70.3%	81.6%	77.6%
<b>TERMINAL (d)</b>	19/22 (86%)	14/21 (67%)	23/25 (92%)	25/30 (83%)
<b>FIRST INCIDENCE</b>	303	458	395	590
<b>STATISTICAL TESTS</b>				
<b>POLY 3</b>	P=0.387	P=0.354N	P=0.337	P=0.535
<b>POLY 1.5</b>	P=0.302	P=0.462N	P=0.222	P=0.389
<b>POLY 6</b>	P=0.468	P=0.248N	P=0.468	P=0.562N
<b>COCH-ARM / FISHERS</b>	P=0.161	P=0.582N	P=0.097	P=0.198
<b>MAX-ISO-POLY-3</b>	P=0.379	P=0.269N	P=0.251	P=0.426

Experiment Number: 10472 - 03  
 Test Type: CHRONIC  
 Route: RESPIRATORY EXPOSURE WHOLE BODY  
 Species/Strain: RATS/HSD

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

Date Report Requested: 05/16/2016  
 Time Report Requested: 11:15:09  
 First Dose M/F: 01/17/11 / 01/17/11  
 Lab: BNW

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

DOSE	Females			
	Control	100 ppm	300 ppm	1000 ppm
<b>Stomach, Forestomach Inflammation Chronic</b>				
<b>LESION RATES</b>				
OVERALL (a)	0/50 (0%)	2/50 (4%)	0/50 (0%)	1/50 (2%)
POLY-3 RATE (b)	0/34.94	2/37.86	0/39.53	1/43.55
POLY-3 PERCENT (g)	0%	5.3%	0%	2.3%
TERMINAL (d)	0/22 (0%)	1/21 (5%)	0/25 (0%)	1/30 (3%)
FIRST INCIDENCE	---	463	---	731 (T)
<b>STATISTICAL TESTS</b>				
POLY 3	P=0.680	P=0.255	(e)	P=0.543
POLY 1.5	P=0.658	P=0.248	(e)	P=0.528
POLY 6	P=0.699	P=0.256	(e)	P=0.557
COCH-ARM / FISHERS	P=0.617	P=0.247	(e)	P=0.500
MAX-ISO-POLY-3	P=0.385	P=0.092	(e)	P=0.211

Experiment Number: 10472 - 03  
 Test Type: CHRONIC  
 Route: RESPIRATORY EXPOSURE WHOLE BODY  
 Species/Strain: RATS/HSD

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

Date Report Requested: 05/16/2016  
 Time Report Requested: 11:15:09  
 First Dose M/F: 01/17/11 / 01/17/11  
 Lab: BNW

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

DOSE	Females			
	Control	100 ppm	300 ppm	1000 ppm
<b>Stomach, Forestomach Ulcer</b>				
<b>LESION RATES</b>				
OVERALL (a)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
POLY-3 RATE (b)	0/34.94	0/37.11	0/39.53	0/43.55
POLY-3 PERCENT (g)	0%	0%	0%	0%
TERMINAL (d)	0/22 (0%)	0/21 (0%)	0/25 (0%)	0/30 (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 - 03  
 Test Type: CHRONIC  
 Route: RESPIRATORY EXPOSURE WHOLE BODY  
 Species/Strain: RATS/HSD

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

Date Report Requested: 05/16/2016  
 Time Report Requested: 11:15:09  
 First Dose M/F: 01/17/11 / 01/17/11  
 Lab: BNW

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

DOSE	Females			
	Control	100 ppm	300 ppm	1000 ppm
<b>Stomach, Forestomach: Epithelium Hyperplasia</b>				
<b>LESION RATES</b>				
OVERALL (a)	0/50 (0%)	0/50 (0%)	1/50 (2%)	3/50 (6%)
POLY-3 RATE (b)	0/34.94	0/37.11	1/39.96	3/43.92
POLY-3 PERCENT (g)	0%	0%	2.5%	6.8%
TERMINAL (d)	0/22 (0%)	0/21 (0%)	0/25 (0%)	2/30 (7%)
FIRST INCIDENCE	---	---	605	626
<b>STATISTICAL TESTS</b>				
POLY 3	P=0.035*	(e)	P=0.527	P=0.165
POLY 1.5	P=0.029*	(e)	P=0.517	P=0.147
POLY 6	P=0.041*	(e)	P=0.536	P=0.183
COCH-ARM / FISHERS	P=0.022*	(e)	P=0.500	P=0.121
MAX-ISO-POLY-3	P=0.055	(e)	P=0.190	P=0.079

Experiment Number: 10472 - 03  
Test Type: CHRONIC  
Route: RESPIRATORY EXPOSURE WHOLE BODY  
Species/Strain: RATS/HSD

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

Date Report Requested: 05/16/2016  
Time Report Requested: 11:15:09  
First Dose M/F: 01/17/11 / 01/17/11  
Lab: BNW

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

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DOSE	Females			
	Control	100 ppm	300 ppm	1000 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)	0/34.94	0/37.11	0/39.53	0/43.55
POLY-3 PERCENT (g)	0%	0%	0%	0%
TERMINAL (d)	0/22 (0%)	0/21 (0%)	0/25 (0%)	0/30 (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 - 03  
 Test Type: CHRONIC  
 Route: RESPIRATORY EXPOSURE WHOLE BODY  
 Species/Strain: RATS/HSD

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

Date Report Requested: 05/16/2016  
 Time Report Requested: 11:15:09  
 First Dose M/F: 01/17/11 / 01/17/11  
 Lab: BNW

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

DOSE	Females			
	Control	100 ppm	300 ppm	1000 ppm
Thymus Atrophy				
<b>LESION RATES</b>				
OVERALL (a)	44/50 (88%)	44/48 (92%)	43/49 (88%)	48/49 (98%)
POLY-3 RATE (b)	44/47.44	44/46.24	43/45.51	48/49.00
POLY-3 PERCENT (g)	92.7%	95.2%	94.5%	98%
TERMINAL (d)	20/22 (91%)	18/19 (95%)	23/24 (96%)	28/29 (97%)
FIRST INCIDENCE	303	395	459	530
<b>STATISTICAL TESTS</b>				
POLY 3	P=0.176	P=0.475	P=0.538	P=0.210
POLY 1.5	P=0.116	P=0.399	P=0.589	P=0.128
POLY 6	P=0.285	P=0.555	P=0.494	P=0.338
COCH-ARM / FISHERS	P=0.060	P=0.397	P=0.606N	P=0.059
MAX-ISO-POLY-3	P=0.151	P=0.296	P=0.346	P=0.095

Experiment Number: 10472 - 03  
 Test Type: CHRONIC  
 Route: RESPIRATORY EXPOSURE WHOLE BODY  
 Species/Strain: RATS/HSD

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

Date Report Requested: 05/16/2016  
 Time Report Requested: 11:15:09  
 First Dose M/F: 01/17/11 / 01/17/11  
 Lab: BNW

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

DOSE	Females			
	Control	100 ppm	300 ppm	1000 ppm
<b>Thyroid Gland</b>				
<b>Ultimobranchial Cyst</b>				
<b>LESION RATES</b>				
OVERALL (a)	3/50 (6%)	1/50 (2%)	2/50 (4%)	1/50 (2%)
POLY-3 RATE (b)	3/36.42	1/37.52	2/39.96	1/43.55
POLY-3 PERCENT (g)	8.2%	2.7%	5%	2.3%
TERMINAL (d)	1/22 (5%)	0/21 (0%)	1/25 (4%)	1/30 (3%)
FIRST INCIDENCE	373	612	605	731 (T)
<b>STATISTICAL TESTS</b>				
POLY 3	P=0.292N	P=0.293N	P=0.458N	P=0.244N
POLY 1.5	P=0.311N	P=0.297N	P=0.472N	P=0.265N
POLY 6	P=0.272N	P=0.295N	P=0.445N	P=0.227N
COCH-ARM / FISHERS	P=0.347N	P=0.309N	P=0.500N	P=0.309N
MAX-ISO-POLY-3	P=0.193N	P=0.148N	P=0.294N	P=0.133N

Experiment Number: 10472 - 03  
Test Type: CHRONIC  
Route: RESPIRATORY EXPOSURE WHOLE BODY  
Species/Strain: RATS/HSD

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

Date Report Requested: 05/16/2016  
Time Report Requested: 11:15:09  
First Dose M/F: 01/17/11 / 01/17/11  
Lab: BNW

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

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DOSE	Females			
	Control	100 ppm	300 ppm	1000 ppm
<b>Thyroid Gland: C-Cell Hyperplasia</b>				
<b>LESION RATES</b>				
OVERALL (a)	16/50 (32%)	15/50 (30%)	21/50 (42%)	13/50 (26%)
POLY-3 RATE (b)	16/38.05	15/39.24	21/42.20	13/44.43
POLY-3 PERCENT (g)	42.1%	38.2%	49.8%	29.3%
TERMINAL (d)	11/22 (50%)	8/21 (38%)	11/25 (44%)	10/30 (33%)
FIRST INCIDENCE	373	534	564	599
<b>STATISTICAL TESTS</b>				
POLY 3	P=0.093N	P=0.455N	P=0.315	P=0.159N
POLY 1.5	P=0.141N	P=0.474N	P=0.267	P=0.212N
POLY 6	P=0.060N	P=0.446N	P=0.382	P=0.119N
COCH-ARM / FISHERS	P=0.268N	P=0.500N	P=0.204	P=0.330N
MAX-ISO-POLY-3	P=0.151N	P=0.363N	P=0.249	P=0.126N

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Experiment Number: 10472 - 03  
 Test Type: CHRONIC  
 Route: RESPIRATORY EXPOSURE WHOLE BODY  
 Species/Strain: RATS/HSD

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

Date Report Requested: 05/16/2016  
 Time Report Requested: 11:15:09  
 First Dose M/F: 01/17/11 / 01/17/11  
 Lab: BNW

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

DOSE	Females			
	Control	100 ppm	300 ppm	1000 ppm
<b>Urinary Bladder Inflammation</b>				
<b>LESION RATES</b>				
OVERALL (a)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
POLY-3 RATE (b)	0/34.94	0/37.11	0/39.53	0/43.55
POLY-3 PERCENT (g)	0%	0%	0%	0%
TERMINAL (d)	0/22 (0%)	0/21 (0%)	0/25 (0%)	0/30 (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 - 03  
 Test Type: CHRONIC  
 Route: RESPIRATORY EXPOSURE WHOLE BODY  
 Species/Strain: RATS/HSD

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

Date Report Requested: 05/16/2016  
 Time Report Requested: 11:15:09  
 First Dose M/F: 01/17/11 / 01/17/11  
 Lab: BNW

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

DOSE	Females			
	Control	100 ppm	300 ppm	1000 ppm
<b>Uterus</b>				
<b>Adenomyosis</b>				
<b>LESION RATES</b>				
OVERALL (a)	1/50 (2%)	0/50 (0%)	2/50 (4%)	3/50 (6%)
POLY-3 RATE (b)	1/34.94	0/37.11	2/39.59	3/43.55
POLY-3 PERCENT (g)	2.9%	0%	5.1%	6.9%
TERMINAL (d)	1/22 (5%)	0/21 (0%)	1/25 (4%)	3/30 (10%)
FIRST INCIDENCE	731 (T)	---	714	731 (T)
<b>STATISTICAL TESTS</b>				
POLY 3	P=0.159	P=0.488N	P=0.544	P=0.388
POLY 1.5	P=0.140	P=0.492N	P=0.528	P=0.357
POLY 6	P=0.181	P=0.488N	P=0.557	P=0.415
COCH-ARM / FISHERS	P=0.111	P=0.500N	P=0.500	P=0.309
MAX-ISO-POLY-3	P=0.210	P=0.158N	P=0.327	P=0.236

Experiment Number: 10472 - 03  
 Test Type: CHRONIC  
 Route: RESPIRATORY EXPOSURE WHOLE BODY  
 Species/Strain: RATS/HSD

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

Date Report Requested: 05/16/2016  
 Time Report Requested: 11:15:09  
 First Dose M/F: 01/17/11 / 01/17/11  
 Lab: BNW

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

DOSE	Females			
	Control	100 ppm	300 ppm	1000 ppm
<b>Uterus Dilatation</b>				
<b>LESION RATES</b>				
OVERALL (a)	1/50 (2%)	3/50 (6%)	3/50 (6%)	0/50 (0%)
POLY-3 RATE (b)	1/35.81	3/38.08	3/40.28	0/43.55
POLY-3 PERCENT (g)	2.8%	7.9%	7.5%	0%
TERMINAL (d)	0/22 (0%)	1/21 (5%)	2/25 (8%)	0/30 (0%)
FIRST INCIDENCE	373	459	457	---
<b>STATISTICAL TESTS</b>				
POLY 3	P=0.129N	P=0.326	P=0.348	P=0.461N
POLY 1.5	P=0.149N	P=0.318	P=0.333	P=0.475N
POLY 6	P=0.113N	P=0.328	P=0.361	P=0.449N
COCH-ARM / FISHERS	P=0.188N	P=0.309	P=0.309	P=0.500N
MAX-ISO-POLY-3	P=0.185N	P=0.175	P=0.197	P=0.158N

Experiment Number: 10472 - 03  
 Test Type: CHRONIC  
 Route: RESPIRATORY EXPOSURE WHOLE BODY  
 Species/Strain: RATS/HSD

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

Date Report Requested: 05/16/2016  
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 First Dose M/F: 01/17/11 / 01/17/11  
 Lab: BNW

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

DOSE	Females			
	Control	100 ppm	300 ppm	1000 ppm
<b>Uterus Hemorrhage</b>				
<b>LESION RATES</b>				
OVERALL (a)	2/50 (4%)	0/50 (0%)	2/50 (4%)	0/50 (0%)
POLY-3 RATE (b)	2/36.30	0/37.11	2/40.28	0/43.55
POLY-3 PERCENT (g)	5.5%	0%	5%	0%
TERMINAL (d)	0/22 (0%)	0/21 (0%)	1/25 (4%)	0/30 (0%)
FIRST INCIDENCE	373	---	457	---
<b>STATISTICAL TESTS</b>				
POLY 3	P=0.235N	P=0.231N	P=0.657N	P=0.199N
POLY 1.5	P=0.251N	P=0.233N	P=0.669N	P=0.212N
POLY 6	P=0.217N	P=0.235N	P=0.647N	P=0.189N
COCH-ARM / FISHERS	P=0.280N	P=0.247N	P=0.691N	P=0.247N
MAX-ISO-POLY-3	P=0.122N	P=0.075N	P=0.459N	P=0.075N

Experiment Number: 10472 - 03  
 Test Type: CHRONIC  
 Route: RESPIRATORY EXPOSURE WHOLE BODY  
 Species/Strain: RATS/HSD

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

p-Chloro-a,a,a-trifluorotoluene

CAS Number: 98-56-6

Date Report Requested: 05/16/2016

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First Dose M/F: 01/17/11 / 01/17/11

Lab: BNW

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

DOSE	Females			
	Control	100 ppm	300 ppm	1000 ppm
<b>Uterus Inflammation</b>				
<b>LESION RATES</b>				
OVERALL (a)	1/50 (2%)	0/50 (0%)	2/50 (4%)	2/50 (4%)
POLY-3 RATE (b)	1/35.42	0/37.11	2/40.82	2/43.92
POLY-3 PERCENT (g)	2.8%	0%	4.9%	4.6%
TERMINAL (d)	0/22 (0%)	0/21 (0%)	0/25 (0%)	1/30 (3%)
FIRST INCIDENCE	590	---	458	626
<b>STATISTICAL TESTS</b>				
POLY 3	P=0.361	P=0.491N	P=0.549	P=0.574
POLY 1.5	P=0.331	P=0.494N	P=0.532	P=0.548
POLY 6	P=0.394	P=0.493N	P=0.564	P=0.596
COCH-ARM / FISHERS	P=0.281	P=0.500N	P=0.500	P=0.500
MAX-ISO-POLY-3	P=0.364	P=0.158N	P=0.333	P=0.359



Experiment Number: 10472 - 03  
 Test Type: CHRONIC  
 Route: RESPIRATORY EXPOSURE WHOLE BODY  
 Species/Strain: RATS/HSD

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

Date Report Requested: 05/16/2016  
 Time Report Requested: 11:15:09  
 First Dose M/F: 01/17/11 / 01/17/11  
 Lab: BNW

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

DOSE	Females			
	Control	100 ppm	300 ppm	1000 ppm
<b>Uterus</b>				
<b>Inflammation Chronic</b>				
<b>LESION RATES</b>				
OVERALL (a)	2/50 (4%)	3/50 (6%)	1/50 (2%)	0/50 (0%)
POLY-3 RATE (b)	2/36.19	3/38.17	1/40.28	0/43.55
POLY-3 PERCENT (g)	5.5%	7.9%	2.5%	0%
TERMINAL (d)	0/22 (0%)	1/21 (5%)	0/25 (0%)	0/30 (0%)
FIRST INCIDENCE	459	459	457	---
<b>STATISTICAL TESTS</b>				
POLY 3	P=0.086N	P=0.525	P=0.463N	P=0.198N
POLY 1.5	P=0.094N	P=0.516	P=0.475N	P=0.211N
POLY 6	P=0.079N	P=0.523	P=0.454N	P=0.188N
COCH-ARM / FISHERS	P=0.111N	P=0.500	P=0.500N	P=0.247N
MAX-ISO-POLY-3	P=0.122N	P=0.348	P=0.259N	P=0.075N

Experiment Number: 10472 - 03  
 Test Type: CHRONIC  
 Route: RESPIRATORY EXPOSURE WHOLE BODY  
 Species/Strain: RATS/HSD

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

Date Report Requested: 05/16/2016  
 Time Report Requested: 11:15:09  
 First Dose M/F: 01/17/11 / 01/17/11  
 Lab: BNW

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

DOSE	Females			
	Control	100 ppm	300 ppm	1000 ppm
<b>Uterus Metaplasia</b>				
<b>LESION RATES</b>				
OVERALL (a)	4/50 (8%)	6/50 (12%)	10/50 (20%)	1/50 (2%)
POLY-3 RATE (b)	4/35.55	6/39.53	10/41.93	1/43.87
POLY-3 PERCENT (g)	11.3%	15.2%	23.9%	2.3%
TERMINAL (d)	3/22 (14%)	2/21 (10%)	5/25 (20%)	0/30 (0%)
FIRST INCIDENCE	534	395	457	642
<b>STATISTICAL TESTS</b>				
POLY 3	P=0.028N*	P=0.436	P=0.126	P=0.121N
POLY 1.5	P=0.041N*	P=0.412	P=0.104	P=0.140N
POLY 6	P=0.019N*	P=0.450	P=0.149	P=0.106N
COCH-ARM / FISHERS	P=0.078N	P=0.370	P=0.074	P=0.181N
MAX-ISO-POLY-3	P=0.046N*	P=0.317	P=0.090	P=0.069N

Experiment Number: 10472 - 03  
 Test Type: CHRONIC  
 Route: RESPIRATORY EXPOSURE WHOLE BODY  
 Species/Strain: RATS/HSD

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

DOSE	Females			
	Control	100 ppm	300 ppm	1000 ppm
<b>Uterus: Cervix Hyperplasia</b>				
<b>LESION RATES</b>				
OVERALL (a)	0/50 (0%)	2/50 (4%)	0/50 (0%)	0/50 (0%)
POLY-3 RATE (b)	0/34.94	2/37.11	0/39.53	0/43.55
POLY-3 PERCENT (g)	0%	5.4%	0%	0%
TERMINAL (d)	0/22 (0%)	2/21 (10%)	0/25 (0%)	0/30 (0%)
FIRST INCIDENCE	---	731 (T)	---	---
<b>STATISTICAL TESTS</b>				
POLY 3	P=0.356N	P=0.250	(e)	(e)
POLY 1.5	P=0.368N	P=0.245	(e)	(e)
POLY 6	P=0.348N	P=0.249	(e)	(e)
COCH-ARM / FISHERS	P=0.392N	P=0.247	(e)	(e)
MAX-ISO-POLY-3	P=0.265N	P=0.088	(e)	(e)

Experiment Number: 10472 - 03  
 Test Type: CHRONIC  
 Route: RESPIRATORY EXPOSURE WHOLE BODY  
 Species/Strain: RATS/HSD

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 RATS(HSD)  
 TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Females			
	Control	100 ppm	300 ppm	1000 ppm
<b>Uterus: Endometrium Atypical Hyperplasia</b>				
<b>LESION RATES</b>				
OVERALL (a)	0/50 (0%)	0/50 (0%)	1/50 (2%)	3/50 (6%)
POLY-3 RATE (b)	0/34.94	0/37.11	1/39.64	3/43.87
POLY-3 PERCENT (g)	0%	0%	2.5%	6.8%
TERMINAL (d)	0/22 (0%)	0/21 (0%)	0/25 (0%)	2/30 (7%)
FIRST INCIDENCE	---	---	702	642
<b>STATISTICAL TESTS</b>				
POLY 3	P=0.035*	(e)	P=0.525	P=0.165
POLY 1.5	P=0.029*	(e)	P=0.516	P=0.147
POLY 6	P=0.041*	(e)	P=0.533	P=0.182
COCH-ARM / FISHERS	P=0.022*	(e)	P=0.500	P=0.121
MAX-ISO-POLY-3	P=0.055	(e)	P=0.188	P=0.079

Experiment Number: 10472 - 03  
 Test Type: CHRONIC  
 Route: RESPIRATORY EXPOSURE WHOLE BODY  
 Species/Strain: RATS/HSD

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS  
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Date Report Requested: 05/16/2016  
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**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(HSD)  
 TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Females			
	Control	100 ppm	300 ppm	1000 ppm
<b>Uterus: Endometrium Hyperplasia Cystic</b>				
<b>LESION RATES</b>				
OVERALL (a)	41/50 (82%)	34/50 (68%)	31/50 (62%)	22/50 (44%)
POLY-3 RATE (b)	41/47.10	34/45.44	31/45.12	22/45.12
POLY-3 PERCENT (g)	87.1%	74.8%	68.7%	48.8%
TERMINAL (d)	19/22 (86%)	15/21 (71%)	17/25 (68%)	18/30 (60%)
FIRST INCIDENCE	303	395	395	549
<b>STATISTICAL TESTS</b>				
POLY 3	P<0.001N**	P=0.091N	P=0.021N*	P<0.001N**
POLY 1.5	P<0.001N**	P=0.089N	P=0.018N*	P<0.001N**
POLY 6	P<0.001N**	P=0.115N	P=0.030N*	P<0.001N**
COCH-ARM / FISHERS	P<0.001N**	P=0.083N	P=0.022N*	P<0.001N**
MAX-ISO-POLY-3	P<0.001N**	P=0.055N	P=0.012N*	P<0.001N**

Experiment Number: 10472 - 03  
 Test Type: CHRONIC  
 Route: RESPIRATORY EXPOSURE WHOLE BODY  
 Species/Strain: RATS/HSD

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS  
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Date Report Requested: 05/16/2016  
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**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(HSD)  
 TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Females			
	Control	100 ppm	300 ppm	1000 ppm
<b>Vagina Inflammation</b>				
<b>LESION RATES</b>				
OVERALL (a)	0/46 (0%)	1/48 (2%)	1/48 (2%)	2/38 (5%)
POLY-3 RATE (b)	0/32.42	1/35.77	1/38.82	2/34.01
POLY-3 PERCENT (g)	0%	2.8%	2.6%	5.9%
TERMINAL (d)	0/21 (0%)	1/20 (5%)	0/24 (0%)	1/25 (4%)
FIRST INCIDENCE	---	731 (T)	458	626
<b>STATISTICAL TESTS</b>				
POLY 3	P=0.198	P=0.520	P=0.536	P=0.247
POLY 1.5	P=0.176	P=0.516	P=0.526	P=0.226
POLY 6	P=0.226	P=0.520	P=0.545	P=0.271
COCH-ARM / FISHERS	P=0.143	P=0.511	P=0.511	P=0.202
MAX-ISO-POLY-3	P=0.144	P=0.179	P=0.199	P=0.095

**Experiment Number:** 10472 - 03  
**Test Type:** CHRONIC  
**Route:** RESPIRATORY EXPOSURE WHOLE BODY  
**Species/Strain:** RATS/HSD

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

p-Chloro-a,a,a-trifluorotoluene

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

**Date Report Requested:** 05/16/2016

**Time Report Requested:** 11:15:09

**First Dose M/F:** 01/17/11 / 01/17/11

**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 \*\*\*