

Experiment Number: 10472 - 01
Test Type: 90-DAY
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: 08/05/2016

Time Report Requested: 10:34:45

First Dose M/F: 10/26/09 / 10/26/09

Lab: BNW

F2_HSD Rats

NTP Study Number: C10472
Lock Date: 06/08/2010
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: NONE

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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
Epididymis: Duct
Harderian Gland

Intestine Large, Colon
Intestine Small, Ileum: Peyer's Patch
Liver
Liver: Hepatocyte, Centrilobular
Lung

Prostate
Testes: Germ Cell
Testes: Seminiferous Tubule

FEMALE RATS

Organ

Adrenal Cortex
Harderian Gland

Kidney
Liver
Liver: Hepatocyte, Centrilobular
Mammary Gland
Ovary

Morphology

Vacuolization Cytoplasmic
Exfoliated Germ Cell
Degeneration
Inflammation Chronic
Hyperplasia Lymphoid
Hyperplasia
Necrosis
Hypertrophy
Congestion
Inflammation Chronic Focal
Inflammation Chronic
Degeneration
Spermatid Retention

Morphology

Vacuolization Cytoplasmic
Degeneration
Inflammation Chronic
Nephropathy Chronic
Clear Cell Focus
Hypertrophy
Hyperplasia
Cyst

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**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(HSD)
 TERMINAL SACRIFICE AT 14 WEEKS**

DOSE	Males					
	CONTROL	125 ppm	250 ppm	500 ppm	1000 ppm	2000 ppm
Adrenal Cortex						
Vacuolization Cytoplasmic						
LESION RATES						
OVERALL (a)	0/10 (0%)	0/10 (0%)	0/10 (0%)	0/10 (0%)	0/10 (0%)	7/10 (70%)
POLY-3 RATE (b)	0/10.00	0/10.00	0/10.00	0/10.00	0/10.00	7/10.00
POLY-3 PERCENT (g)	0%	0%	0%	0%	0%	70%
TERMINAL (d)	0/10 (0%)	0/10 (0%)	0/10 (0%)	0/10 (0%)	0/10 (0%)	7/10 (70%)
FIRST INCIDENCE	---	---	---	---	---	93 (T)
STATISTICAL TESTS						
POLY 3	P<0.001**	(e)	(e)	(e)	(e)	P<0.001**
POLY 1.5	P<0.001**	(e)	(e)	(e)	(e)	P<0.001**
POLY 6	P<0.001**	(e)	(e)	(e)	(e)	P<0.001**
COCH-ARM / FISHERS	P<0.001**	(e)	(e)	(e)	(e)	P=0.002**
MAX-ISO-POLY-3	P<0.001**	(e)	(e)	(e)	(e)	P<0.001**

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 TERMINAL SACRIFICE AT 14 WEEKS**

DOSE	Males					
	CONTROL	125 ppm	250 ppm	500 ppm	1000 ppm	2000 ppm
Epididymis						
Hypospermia						
LESION RATES						
OVERALL (a)	1/10 (10%)	0/10 (0%)	1/10 (10%)	1/10 (10%)	0/10 (0%)	0/10 (0%)
POLY-3 RATE (b)	1/10.00	0/10.00	1/10.00	1/10.00	0/10.00	0/10.00
POLY-3 PERCENT (g)	10%	0%	10%	10%	0%	0%
TERMINAL (d)	1/10 (10%)	0/10 (0%)	1/10 (10%)	1/10 (10%)	0/10 (0%)	0/10 (0%)
FIRST INCIDENCE	93 (T)	---	93 (T)	93 (T)	---	---
STATISTICAL TESTS						
POLY 3	P=0.281N	P=0.500N	P=0.760	P=0.760	P=0.500N	P=0.500N
POLY 1.5	P=0.281N	P=0.500N	P=0.760	P=0.760	P=0.500N	P=0.500N
POLY 6	P=0.281N	P=0.500N	P=0.760	P=0.760	P=0.500N	P=0.500N
COCH-ARM / FISHERS	P=0.276N	P=0.500N	P=0.763N	P=0.763N	P=0.500N	P=0.500N
MAX-ISO-POLY-3	P=0.291N	P=0.158N	P=1.000	P=1.000	P=0.158N	P=0.158N

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**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(HSD)
 TERMINAL SACRIFICE AT 14 WEEKS**

DOSE	Males					
	CONTROL	125 ppm	250 ppm	500 ppm	1000 ppm	2000 ppm
Epididymis: Duct Exfoliated Germ Cell						
LESION RATES						
OVERALL (a)	0/10 (0%)	0/10 (0%)	1/10 (10%)	0/10 (0%)	1/10 (10%)	6/10 (60%)
POLY-3 RATE (b)	0/10.00	0/10.00	1/10.00	0/10.00	1/10.00	6/10.00
POLY-3 PERCENT (g)	0%	0%	10%	0%	10%	60%
TERMINAL (d)	0/10 (0%)	0/10 (0%)	1/10 (10%)	0/10 (0%)	1/10 (10%)	6/10 (60%)
FIRST INCIDENCE	---	---	93 (T)	---	93 (T)	93 (T)
STATISTICAL TESTS						
POLY 3	P<0.001**	(e)	P=0.500	(e)	P=0.500	P<0.001**
POLY 1.5	P<0.001**	(e)	P=0.500	(e)	P=0.500	P<0.001**
POLY 6	P<0.001**	(e)	P=0.500	(e)	P=0.500	P<0.001**
COCH-ARM / FISHERS	P<0.001**	(e)	P=0.500	(e)	P=0.500	P=0.005**
MAX-ISO-POLY-3	P<0.001**	(e)	P=0.158	(e)	P=0.158	P<0.001**

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**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(HSD)
 TERMINAL SACRIFICE AT 14 WEEKS**

DOSE	Males					
	CONTROL	125 ppm	250 ppm	500 ppm	1000 ppm	2000 ppm
Eye						
Infiltration Cellular Polymorphonuclear						
LESION RATES						
OVERALL (a)	0/10 (0%)	0/0 (0%)	0/0 (0%)	0/0 (0%)	0/0 (0%)	1/10 (10%)
POLY-3 RATE (b)	0/10.00	0/0.00	0/0.00	0/0.00	0/0.00	1/10.00
POLY-3 PERCENT (g)	0%	0%	0%	0%	0%	10%
TERMINAL (d)	0/10 (0%)	0/0 (0%)	0/0 (0%)	0/0 (0%)	0/0 (0%)	1/10 (10%)
FIRST INCIDENCE	---	---	---	---	---	93 (T)
STATISTICAL TESTS						
POLY 3	(e)	(e)	(e)	(e)	(e)	P=0.500
POLY 1.5	(e)	(e)	(e)	(e)	(e)	P=0.500
POLY 6	(e)	(e)	(e)	(e)	(e)	P=0.500
COCH-ARM / FISHERS	P=0.304	(e)	(e)	(e)	(e)	P=0.500
MAX-ISO-POLY-3	(e)	(e)	(e)	(e)	(e)	P=0.158

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**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(HSD)
 TERMINAL SACRIFICE AT 14 WEEKS**

DOSE	Males					
	CONTROL	125 ppm	250 ppm	500 ppm	1000 ppm	2000 ppm
Eye: Retrobulbar Inflammation Neutrophil						
LESION RATES						
OVERALL (a)	1/10 (10%)	0/0 (0%)	0/0 (0%)	0/0 (0%)	0/0 (0%)	0/10 (0%)
POLY-3 RATE (b)	1/10.00	0/0.00	0/0.00	0/0.00	0/0.00	0/10.00
POLY-3 PERCENT (g)	10%	0%	0%	0%	0%	0%
TERMINAL (d)	1/10 (10%)	0/0 (0%)	0/0 (0%)	0/0 (0%)	0/0 (0%)	0/10 (0%)
FIRST INCIDENCE	93 (T)	---	---	---	---	---
STATISTICAL TESTS						
POLY 3	(e)	(e)	(e)	(e)	(e)	P=0.500N
POLY 1.5	(e)	(e)	(e)	(e)	(e)	P=0.500N
POLY 6	(e)	(e)	(e)	(e)	(e)	P=0.500N
COCH-ARM / FISHERS	P=0.304N	(e)	(e)	(e)	(e)	P=0.500N
MAX-ISO-POLY-3	(e)	(e)	(e)	(e)	(e)	P=0.158N

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 TERMINAL SACRIFICE AT 14 WEEKS**

DOSE	Males					
	CONTROL	125 ppm	250 ppm	500 ppm	1000 ppm	2000 ppm
Harderian Gland Atrophy						
LESION RATES						
OVERALL (a)	0/10 (0%)	0/10 (0%)	0/10 (0%)	0/10 (0%)	0/10 (0%)	0/10 (0%)
POLY-3 RATE (b)	0/10.00	0/10.00	0/10.00	0/10.00	0/10.00	0/10.00
POLY-3 PERCENT (g)	0%	0%	0%	0%	0%	0%
TERMINAL (d)	0/10 (0%)	0/10 (0%)	0/10 (0%)	0/10 (0%)	0/10 (0%)	0/10 (0%)
FIRST INCIDENCE	---	---	---	---	---	---
STATISTICAL TESTS						
POLY 3	(n)	(n)	(n)	(n)	(n)	(n)
POLY 1.5	(n)	(n)	(n)	(n)	(n)	(n)
POLY 6	(n)	(n)	(n)	(n)	(n)	(n)
COCH-ARM / FISHERS	(n)	(n)	(n)	(n)	(n)	(n)
MAX-ISO-POLY-3	(n)	(n)	(n)	(n)	(n)	(n)

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**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(HSD)
 TERMINAL SACRIFICE AT 14 WEEKS**

DOSE	Males					
	CONTROL	125 ppm	250 ppm	500 ppm	1000 ppm	2000 ppm
Harderian Gland Degeneration						
LESION RATES						
OVERALL (a)	0/10 (0%)	1/10 (10%)	9/10 (90%)	10/10 (100%)	10/10 (100%)	10/10 (100%)
POLY-3 RATE (b)	0/10.00	1/10.00	9/10.00	10/10.00	10/10.00	10/10.00
POLY-3 PERCENT (g)	0%	10%	90%	100%	100%	100%
TERMINAL (d)	0/10 (0%)	1/10 (10%)	9/10 (90%)	10/10 (100%)	10/10 (100%)	10/10 (100%)
FIRST INCIDENCE	---	93 (T)	93 (T)	93 (T)	93 (T)	93 (T)
STATISTICAL TESTS						
POLY 3	P<0.001**	P=0.500	P<0.001**	P<0.001**	P<0.001**	P<0.001**
POLY 1.5	P<0.001**	P=0.500	P<0.001**	P<0.001**	P<0.001**	P<0.001**
POLY 6	P<0.001**	P=0.500	P<0.001**	P<0.001**	P<0.001**	P<0.001**
COCH-ARM / FISHERS	P<0.001**	P=0.500	P<0.001**	P<0.001**	P<0.001**	P<0.001**
MAX-ISO-POLY-3	P<0.001**	P=0.158	P<0.001**	(e)	(e)	(e)

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**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(HSD)
 TERMINAL SACRIFICE AT 14 WEEKS**

DOSE	Males					
	CONTROL	125 ppm	250 ppm	500 ppm	1000 ppm	2000 ppm
Harderian Gland Inflammation Chronic						
LESION RATES						
OVERALL (a)	4/10 (40%)	6/10 (60%)	6/10 (60%)	9/10 (90%)	6/10 (60%)	4/10 (40%)
POLY-3 RATE (b)	4/10.00	6/10.00	6/10.00	9/10.00	6/10.00	4/10.00
POLY-3 PERCENT (g)	40%	60%	60%	90%	60%	40%
TERMINAL (d)	4/10 (40%)	6/10 (60%)	6/10 (60%)	9/10 (90%)	6/10 (60%)	4/10 (40%)
FIRST INCIDENCE	93 (T)	93 (T)	93 (T)	93 (T)	93 (T)	93 (T)
STATISTICAL TESTS						
POLY 3	P=0.301N	P=0.333	P=0.333	P=0.018*	P=0.333	P=0.667
POLY 1.5	P=0.301N	P=0.333	P=0.333	P=0.018*	P=0.333	P=0.667
POLY 6	P=0.301N	P=0.333	P=0.333	P=0.018*	P=0.333	P=0.667
COCH-ARM / FISHERS	P=0.303N	P=0.328	P=0.328	P=0.029*	P=0.328	P=0.675N
MAX-ISO-POLY-3	P=0.262	P=0.192	P=0.192	P=0.005**	P=0.192	P=1.000

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 TERMINAL SACRIFICE AT 14 WEEKS**

DOSE	Males					
	CONTROL	125 ppm	250 ppm	500 ppm	1000 ppm	2000 ppm
Harderian Gland Inflammation Neutrophil						
LESION RATES						
OVERALL (a)	1/10 (10%)	0/10 (0%)	0/10 (0%)	0/10 (0%)	0/10 (0%)	0/10 (0%)
POLY-3 RATE (b)	1/10.00	0/10.00	0/10.00	0/10.00	0/10.00	0/10.00
POLY-3 PERCENT (g)	10%	0%	0%	0%	0%	0%
TERMINAL (d)	1/10 (10%)	0/10 (0%)	0/10 (0%)	0/10 (0%)	0/10 (0%)	0/10 (0%)
FIRST INCIDENCE	93 (T)	---	---	---	---	---
STATISTICAL TESTS						
POLY 3	P=0.416N	P=0.500N	P=0.500N	P=0.500N	P=0.500N	P=0.500N
POLY 1.5	P=0.416N	P=0.500N	P=0.500N	P=0.500N	P=0.500N	P=0.500N
POLY 6	P=0.416N	P=0.500N	P=0.500N	P=0.500N	P=0.500N	P=0.500N
COCH-ARM / FISHERS	P=0.415N	P=0.500N	P=0.500N	P=0.500N	P=0.500N	P=0.500N
MAX-ISO-POLY-3	P=0.074N	P=0.158N	P=0.158N	P=0.158N	P=0.158N	P=0.158N

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 TERMINAL SACRIFICE AT 14 WEEKS**

DOSE	Males					
	CONTROL	125 ppm	250 ppm	500 ppm	1000 ppm	2000 ppm
Heart						
Cardiomyopathy						
LESION RATES						
OVERALL (a)	4/10 (40%)	0/0 (0%)	0/0 (0%)	0/0 (0%)	0/0 (0%)	3/10 (30%)
POLY-3 RATE (b)	4/10.00	0/0.00	0/0.00	0/0.00	0/0.00	3/10.00
POLY-3 PERCENT (g)	40%	0%	0%	0%	0%	30%
TERMINAL (d)	4/10 (40%)	0/0 (0%)	0/0 (0%)	0/0 (0%)	0/0 (0%)	3/10 (30%)
FIRST INCIDENCE	93 (T)	---	---	---	---	93 (T)
STATISTICAL TESTS						
POLY 3	(e)	(e)	(e)	(e)	(e)	P=0.500N
POLY 1.5	(e)	(e)	(e)	(e)	(e)	P=0.500N
POLY 6	(e)	(e)	(e)	(e)	(e)	P=0.500N
COCH-ARM / FISHERS	P=0.407N	(e)	(e)	(e)	(e)	P=0.500N
MAX-ISO-POLY-3	(e)	(e)	(e)	(e)	(e)	P=0.327N

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TERMINAL SACRIFICE AT 14 WEEKS

DOSE	Males					
	CONTROL	125 ppm	250 ppm	500 ppm	1000 ppm	2000 ppm
Intestine Large, Colon Hyperplasia Lymphoid						
LESION RATES						
OVERALL (a)	0/10 (0%)	0/0 (0%)	1/1 (100%)	0/0 (0%)	0/0 (0%)	0/10 (0%)
POLY-3 RATE (b)	0/10.00	0/0.00	1/1.00	0/0.00	0/0.00	0/10.00
POLY-3 PERCENT (g)	0%	0%	100%	0%	0%	0%
TERMINAL (d)	0/10 (0%)	0/0 (0%)	1/1 (100%)	0/0 (0%)	0/0 (0%)	0/10 (0%)
FIRST INCIDENCE	---	---	93 (T)	---	---	---
STATISTICAL TESTS						
POLY 3	(e)	(e)	P=0.091	(e)	(e)	(e)
POLY 1.5	(e)	(e)	P=0.091	(e)	(e)	(e)
POLY 6	(e)	(e)	P=0.091	(e)	(e)	(e)
COCH-ARM / FISHERS	P=0.412N	(e)	P=0.091	(e)	(e)	(e)
MAX-ISO-POLY-3	(e)	(e)	P<0.001**	(e)	(e)	(e)

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STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(HSD)
TERMINAL SACRIFICE AT 14 WEEKS

DOSE	Males					
	CONTROL	125 ppm	250 ppm	500 ppm	1000 ppm	2000 ppm
Intestine Small, Ileum: Peyer's Patch Hyperplasia						
LESION RATES						
OVERALL (a)	0/10 (0%)	0/0 (0%)	1/1 (100%)	0/0 (0%)	0/0 (0%)	0/10 (0%)
POLY-3 RATE (b)	0/10.00	0/0.00	1/1.00	0/0.00	0/0.00	0/10.00
POLY-3 PERCENT (g)	0%	0%	100%	0%	0%	0%
TERMINAL (d)	0/10 (0%)	0/0 (0%)	1/1 (100%)	0/0 (0%)	0/0 (0%)	0/10 (0%)
FIRST INCIDENCE	---	---	93 (T)	---	---	---
STATISTICAL TESTS						
POLY 3	(e)	(e)	P=0.091	(e)	(e)	(e)
POLY 1.5	(e)	(e)	P=0.091	(e)	(e)	(e)
POLY 6	(e)	(e)	P=0.091	(e)	(e)	(e)
COCH-ARM / FISHERS	P=0.412N	(e)	P=0.091	(e)	(e)	(e)
MAX-ISO-POLY-3	(e)	(e)	P<0.001**	(e)	(e)	(e)

Experiment Number: 10472 - 01
 Test Type: 90-DAY
 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: 08/05/2016
 Time Report Requested: 10:34:45
 First Dose M/F: 10/26/09 / 10/26/09
 Lab: BNW

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(HSD)
 TERMINAL SACRIFICE AT 14 WEEKS**

DOSE	Males					
	CONTROL	125 ppm	250 ppm	500 ppm	1000 ppm	2000 ppm
Kidney						
Accumulation, Hyaline Droplet						
LESION RATES						
OVERALL (a)	10/10 (100%)	10/10 (100%)	10/10 (100%)	10/10 (100%)	10/10 (100%)	10/10 (100%)
POLY-3 RATE (b)	10/10.00	10/10.00	10/10.00	10/10.00	10/10.00	10/10.00
POLY-3 PERCENT (g)	100%	100%	100%	100%	100%	100%
TERMINAL (d)	10/10 (100%)	10/10 (100%)	10/10 (100%)	10/10 (100%)	10/10 (100%)	10/10 (100%)
FIRST INCIDENCE	93 (T)	93 (T)	93 (T)	93 (T)	93 (T)	93 (T)
STATISTICAL TESTS						
POLY 3	(e)	(e)	(e)	(e)	(e)	(e)
POLY 1.5	(e)	(e)	(e)	(e)	(e)	(e)
POLY 6	(e)	(e)	(e)	(e)	(e)	(e)
COCH-ARM / FISHERS	(e)	(e)	(e)	(e)	(e)	(e)
MAX-ISO-POLY-3	(e)	(e)	(e)	(e)	(e)	(e)

Experiment Number: 10472 - 01
 Test Type: 90-DAY
 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: 08/05/2016
 Time Report Requested: 10:34:45
 First Dose M/F: 10/26/09 / 10/26/09
 Lab: BNW

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(HSD)
 TERMINAL SACRIFICE AT 14 WEEKS**

DOSE	Males					
	CONTROL	125 ppm	250 ppm	500 ppm	1000 ppm	2000 ppm
Kidney						
Nephropathy Chronic						
LESION RATES						
OVERALL (a)	10/10 (100%)	10/10 (100%)	10/10 (100%)	10/10 (100%)	10/10 (100%)	10/10 (100%)
POLY-3 RATE (b)	10/10.00	10/10.00	10/10.00	10/10.00	10/10.00	10/10.00
POLY-3 PERCENT (g)	100%	100%	100%	100%	100%	100%
TERMINAL (d)	10/10 (100%)	10/10 (100%)	10/10 (100%)	10/10 (100%)	10/10 (100%)	10/10 (100%)
FIRST INCIDENCE	93 (T)	93 (T)	93 (T)	93 (T)	93 (T)	93 (T)
STATISTICAL TESTS						
POLY 3	(e)	(e)	(e)	(e)	(e)	(e)
POLY 1.5	(e)	(e)	(e)	(e)	(e)	(e)
POLY 6	(e)	(e)	(e)	(e)	(e)	(e)
COCH-ARM / FISHERS	(e)	(e)	(e)	(e)	(e)	(e)
MAX-ISO-POLY-3	(e)	(e)	(e)	(e)	(e)	(e)

Experiment Number: 10472 - 01

Test Type: 90-DAY

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: 08/05/2016

Time Report Requested: 10:34:45

First Dose M/F: 10/26/09 / 10/26/09

Lab: BNW

STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(HSD)
TERMINAL SACRIFICE AT 14 WEEKS

DOSE	Males					
	CONTROL	125 ppm	250 ppm	500 ppm	1000 ppm	2000 ppm
Larynx						
Inflammation Chronic						
LESION RATES						
OVERALL (a)	1/10 (10%)	0/0 (0%)	0/0 (0%)	0/0 (0%)	0/0 (0%)	0/10 (0%)
POLY-3 RATE (b)	1/10.00	0/0.00	0/0.00	0/0.00	0/0.00	0/10.00
POLY-3 PERCENT (g)	10%	0%	0%	0%	0%	0%
TERMINAL (d)	1/10 (10%)	0/0 (0%)	0/0 (0%)	0/0 (0%)	0/0 (0%)	0/10 (0%)
FIRST INCIDENCE	93 (T)	---	---	---	---	---
STATISTICAL TESTS						
POLY 3	(e)	(e)	(e)	(e)	(e)	P=0.500N
POLY 1.5	(e)	(e)	(e)	(e)	(e)	P=0.500N
POLY 6	(e)	(e)	(e)	(e)	(e)	P=0.500N
COCH-ARM / FISHERS	P=0.304N	(e)	(e)	(e)	(e)	P=0.500N
MAX-ISO-POLY-3	(e)	(e)	(e)	(e)	(e)	P=0.158N

Experiment Number: 10472 - 01
 Test Type: 90-DAY
 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: 08/05/2016
 Time Report Requested: 10:34:45
 First Dose M/F: 10/26/09 / 10/26/09
 Lab: BNW

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(HSD)
 TERMINAL SACRIFICE AT 14 WEEKS**

DOSE	Males					
	CONTROL	125 ppm	250 ppm	500 ppm	1000 ppm	2000 ppm
Larynx						
Inflammation Neutrophil						
LESION RATES						
OVERALL (a)	1/10 (10%)	0/0 (0%)	0/0 (0%)	0/0 (0%)	0/0 (0%)	0/10 (0%)
POLY-3 RATE (b)	1/10.00	0/0.00	0/0.00	0/0.00	0/0.00	0/10.00
POLY-3 PERCENT (g)	10%	0%	0%	0%	0%	0%
TERMINAL (d)	1/10 (10%)	0/0 (0%)	0/0 (0%)	0/0 (0%)	0/0 (0%)	0/10 (0%)
FIRST INCIDENCE	93 (T)	---	---	---	---	---
STATISTICAL TESTS						
POLY 3	(e)	(e)	(e)	(e)	(e)	P=0.500N
POLY 1.5	(e)	(e)	(e)	(e)	(e)	P=0.500N
POLY 6	(e)	(e)	(e)	(e)	(e)	P=0.500N
COCH-ARM / FISHERS	P=0.304N	(e)	(e)	(e)	(e)	P=0.500N
MAX-ISO-POLY-3	(e)	(e)	(e)	(e)	(e)	P=0.158N

Experiment Number: 10472 - 01
 Test Type: 90-DAY
 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: 08/05/2016
 Time Report Requested: 10:34:45
 First Dose M/F: 10/26/09 / 10/26/09
 Lab: BNW

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(HSD)
 TERMINAL SACRIFICE AT 14 WEEKS**

DOSE	Males					
	CONTROL	125 ppm	250 ppm	500 ppm	1000 ppm	2000 ppm
Liver						
Clear Cell Focus						
LESION RATES						
OVERALL (a)	0/10 (0%)	0/10 (0%)	0/10 (0%)	1/10 (10%)	0/10 (0%)	0/10 (0%)
POLY-3 RATE (b)	0/10.00	0/10.00	0/10.00	1/10.00	0/10.00	0/10.00
POLY-3 PERCENT (g)	0%	0%	0%	10%	0%	0%
TERMINAL (d)	0/10 (0%)	0/10 (0%)	0/10 (0%)	1/10 (10%)	0/10 (0%)	0/10 (0%)
FIRST INCIDENCE	---	---	---	93 (T)	---	---
STATISTICAL TESTS						
POLY 3	P=0.697N	(e)	(e)	P=0.500	(e)	(e)
POLY 1.5	P=0.697N	(e)	(e)	P=0.500	(e)	(e)
POLY 6	P=0.697N	(e)	(e)	P=0.500	(e)	(e)
COCH-ARM / FISHERS	P=0.699N	(e)	(e)	P=0.500	(e)	(e)
MAX-ISO-POLY-3	P=0.516	(e)	(e)	P=0.158	(e)	(e)

Experiment Number: 10472 - 01

Test Type: 90-DAY

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: 08/05/2016

Time Report Requested: 10:34:45

First Dose M/F: 10/26/09 / 10/26/09

Lab: BNW

STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(HSD)
TERMINAL SACRIFICE AT 14 WEEKS

DOSE	Males					
	CONTROL	125 ppm	250 ppm	500 ppm	1000 ppm	2000 ppm
Liver						
Hepatodiaphragmatic Nodule						
LESION RATES						
OVERALL (a)	0/10 (0%)	0/10 (0%)	0/10 (0%)	0/10 (0%)	0/10 (0%)	1/10 (10%)
POLY-3 RATE (b)	0/10.00	0/10.00	0/10.00	0/10.00	0/10.00	1/10.00
POLY-3 PERCENT (g)	0%	0%	0%	0%	0%	10%
TERMINAL (d)	0/10 (0%)	0/10 (0%)	0/10 (0%)	0/10 (0%)	0/10 (0%)	1/10 (10%)
FIRST INCIDENCE	---	---	---	---	---	93 (T)
STATISTICAL TESTS						
POLY 3	P=0.107	(e)	(e)	(e)	(e)	P=0.500
POLY 1.5	P=0.107	(e)	(e)	(e)	(e)	P=0.500
POLY 6	P=0.107	(e)	(e)	(e)	(e)	P=0.500
COCH-ARM / FISHERS	P=0.105	(e)	(e)	(e)	(e)	P=0.500
MAX-ISO-POLY-3	P=0.074	(e)	(e)	(e)	(e)	P=0.158

Experiment Number: 10472 - 01
 Test Type: 90-DAY
 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: 08/05/2016
 Time Report Requested: 10:34:45
 First Dose M/F: 10/26/09 / 10/26/09
 Lab: BNW

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(HSD)
 TERMINAL SACRIFICE AT 14 WEEKS**

DOSE	Males					
	CONTROL	125 ppm	250 ppm	500 ppm	1000 ppm	2000 ppm
Liver						
Inflammation Chronic						
LESION RATES						
OVERALL (a)	1/10 (10%)	0/10 (0%)	1/10 (10%)	0/10 (0%)	0/10 (0%)	1/10 (10%)
POLY-3 RATE (b)	1/10.00	0/10.00	1/10.00	0/10.00	0/10.00	1/10.00
POLY-3 PERCENT (g)	10%	0%	10%	0%	0%	10%
TERMINAL (d)	1/10 (10%)	0/10 (0%)	1/10 (10%)	0/10 (0%)	0/10 (0%)	1/10 (10%)
FIRST INCIDENCE	93 (T)	---	93 (T)	---	---	93 (T)
STATISTICAL TESTS						
POLY 3	P=0.563	P=0.500N	P=0.760	P=0.500N	P=0.500N	P=0.760
POLY 1.5	P=0.563	P=0.500N	P=0.760	P=0.500N	P=0.500N	P=0.760
POLY 6	P=0.563	P=0.500N	P=0.760	P=0.500N	P=0.500N	P=0.760
COCH-ARM / FISHERS	P=0.564	P=0.500N	P=0.763N	P=0.500N	P=0.500N	P=0.763N
MAX-ISO-POLY-3	P=0.464N	P=0.158N	P=1.000	P=0.158N	P=0.158N	P=1.000

Experiment Number: 10472 - 01
 Test Type: 90-DAY
 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: 08/05/2016
 Time Report Requested: 10:34:45
 First Dose M/F: 10/26/09 / 10/26/09
 Lab: BNW

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(HSD)
 TERMINAL SACRIFICE AT 14 WEEKS**

DOSE	Males					
	CONTROL	125 ppm	250 ppm	500 ppm	1000 ppm	2000 ppm
Liver Necrosis						
LESION RATES						
OVERALL (a)	0/10 (0%)	0/10 (0%)	0/10 (0%)	0/10 (0%)	1/10 (10%)	2/10 (20%)
POLY-3 RATE (b)	0/10.00	0/10.00	0/10.00	0/10.00	1/10.00	2/10.00
POLY-3 PERCENT (g)	0%	0%	0%	0%	10%	20%
TERMINAL (d)	0/10 (0%)	0/10 (0%)	0/10 (0%)	0/10 (0%)	1/10 (10%)	2/10 (20%)
FIRST INCIDENCE	---	---	---	---	93 (T)	93 (T)
STATISTICAL TESTS						
POLY 3	P=0.013*	(e)	(e)	(e)	P=0.500	P=0.227
POLY 1.5	P=0.013*	(e)	(e)	(e)	P=0.500	P=0.227
POLY 6	P=0.013*	(e)	(e)	(e)	P=0.500	P=0.227
COCH-ARM / FISHERS	P=0.013*	(e)	(e)	(e)	P=0.500	P=0.237
MAX-ISO-POLY-3	P=0.022*	(e)	(e)	(e)	P=0.158	P=0.067

Experiment Number: 10472 - 01
 Test Type: 90-DAY
 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: 08/05/2016
 Time Report Requested: 10:34:45
 First Dose M/F: 10/26/09 / 10/26/09
 Lab: BNW

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(HSD)
 TERMINAL SACRIFICE AT 14 WEEKS**

DOSE	Males					
	CONTROL	125 ppm	250 ppm	500 ppm	1000 ppm	2000 ppm
Liver: Hepatocyte, Centrilobular Hypertrophy						
LESION RATES						
OVERALL (a)	0/10 (0%)	0/10 (0%)	8/10 (80%)	10/10 (100%)	10/10 (100%)	10/10 (100%)
POLY-3 RATE (b)	0/10.00	0/10.00	8/10.00	10/10.00	10/10.00	10/10.00
POLY-3 PERCENT (g)	0%	0%	80%	100%	100%	100%
TERMINAL (d)	0/10 (0%)	0/10 (0%)	8/10 (80%)	10/10 (100%)	10/10 (100%)	10/10 (100%)
FIRST INCIDENCE	---	---	93 (T)	93 (T)	93 (T)	93 (T)
STATISTICAL TESTS						
POLY 3	P<0.001**	(e)	P<0.001**	P<0.001**	P<0.001**	P<0.001**
POLY 1.5	P<0.001**	(e)	P<0.001**	P<0.001**	P<0.001**	P<0.001**
POLY 6	P<0.001**	(e)	P<0.001**	P<0.001**	P<0.001**	P<0.001**
COCH-ARM / FISHERS	P<0.001**	(e)	P<0.001**	P<0.001**	P<0.001**	P<0.001**
MAX-ISO-POLY-3	P<0.001**	(e)	P<0.001**	(e)	(e)	(e)

Experiment Number: 10472 - 01
 Test Type: 90-DAY
 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: 08/05/2016
 Time Report Requested: 10:34:45
 First Dose M/F: 10/26/09 / 10/26/09
 Lab: BNW

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(HSD)
 TERMINAL SACRIFICE AT 14 WEEKS**

DOSE	Males					
	CONTROL	125 ppm	250 ppm	500 ppm	1000 ppm	2000 ppm
Lung Congestion						
LESION RATES						
OVERALL (a)	0/10 (0%)	0/0 (0%)	1/1 (100%)	0/0 (0%)	0/1 (0%)	0/10 (0%)
POLY-3 RATE (b)	0/10.00	0/0.00	1/1.00	0/0.00	0/1.00	0/10.00
POLY-3 PERCENT (g)	0%	0%	100%	0%	0%	0%
TERMINAL (d)	0/10 (0%)	0/0 (0%)	1/1 (100%)	0/0 (0%)	0/1 (0%)	0/10 (0%)
FIRST INCIDENCE	---	---	93 (T)	---	---	---
STATISTICAL TESTS						
POLY 3	(e)	(e)	P=0.091	(e)	(e)	(e)
POLY 1.5	(e)	(e)	P=0.091	(e)	(e)	(e)
POLY 6	(e)	(e)	P=0.091	(e)	(e)	(e)
COCH-ARM / FISHERS	P=0.410N	(e)	P=0.091	(e)	(e)	(e)
MAX-ISO-POLY-3	(e)	(e)	P<0.001**	(e)	(e)	(e)

Experiment Number: 10472 - 01
 Test Type: 90-DAY
 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: 08/05/2016
 Time Report Requested: 10:34:45
 First Dose M/F: 10/26/09 / 10/26/09
 Lab: BNW

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(HSD)
 TERMINAL SACRIFICE AT 14 WEEKS**

DOSE	Males					
	CONTROL	125 ppm	250 ppm	500 ppm	1000 ppm	2000 ppm
Lung						
Infiltration Cellular Focal Histiocyte						
LESION RATES						
OVERALL (a)	1/10 (10%)	0/0 (0%)	0/1 (0%)	0/0 (0%)	0/1 (0%)	4/10 (40%)
POLY-3 RATE (b)	1/10.00	0/0.00	0/1.00	0/0.00	0/1.00	4/10.00
POLY-3 PERCENT (g)	10%	0%	0%	0%	0%	40%
TERMINAL (d)	1/10 (10%)	0/0 (0%)	0/1 (0%)	0/0 (0%)	0/1 (0%)	4/10 (40%)
FIRST INCIDENCE	93 (T)	---	---	---	---	93 (T)
STATISTICAL TESTS						
POLY 3	(e)	(e)	P=0.913N	(e)	P=0.913N	P=0.148
POLY 1.5	(e)	(e)	P=0.913N	(e)	P=0.913N	P=0.148
POLY 6	(e)	(e)	P=0.913N	(e)	P=0.913N	P=0.148
COCH-ARM / FISHERS	P=0.080	(e)	P=0.909N	(e)	P=0.909N	P=0.152
MAX-ISO-POLY-3	(e)	(e)	P=0.411N	(e)	P=0.411N	P=0.059

Experiment Number: 10472 - 01

Test Type: 90-DAY

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: 08/05/2016

Time Report Requested: 10:34:45

First Dose M/F: 10/26/09 / 10/26/09

Lab: BNW

STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(HSD)
TERMINAL SACRIFICE AT 14 WEEKS

DOSE	Males					
	CONTROL	125 ppm	250 ppm	500 ppm	1000 ppm	2000 ppm
Lung						
Inflammation Chronic						
LESION RATES						
OVERALL (a)	0/10 (0%)	0/0 (0%)	0/1 (0%)	0/0 (0%)	0/1 (0%)	0/10 (0%)
POLY-3 RATE (b)	0/10.00	0/0.00	0/1.00	0/0.00	0/1.00	0/10.00
POLY-3 PERCENT (g)	0%	0%	0%	0%	0%	0%
TERMINAL (d)	0/10 (0%)	0/0 (0%)	0/1 (0%)	0/0 (0%)	0/1 (0%)	0/10 (0%)
FIRST INCIDENCE	---	---	---	---	---	---
STATISTICAL TESTS						
POLY 3	(n)	(n)	(n)	(n)	(n)	(n)
POLY 1.5	(n)	(n)	(n)	(n)	(n)	(n)
POLY 6	(n)	(n)	(n)	(n)	(n)	(n)
COCH-ARM / FISHERS	(n)	(n)	(n)	(n)	(n)	(n)
MAX-ISO-POLY-3	(n)	(n)	(n)	(n)	(n)	(n)

Experiment Number: 10472 - 01
 Test Type: 90-DAY
 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: 08/05/2016
 Time Report Requested: 10:34:45
 First Dose M/F: 10/26/09 / 10/26/09
 Lab: BNW

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(HSD)
 TERMINAL SACRIFICE AT 14 WEEKS**

DOSE	Males					
	CONTROL	125 ppm	250 ppm	500 ppm	1000 ppm	2000 ppm
Lung						
Inflammation Chronic Focal						
LESION RATES						
OVERALL (a)	0/10 (0%)	0/0 (0%)	0/1 (0%)	0/0 (0%)	1/1 (100%)	0/10 (0%)
POLY-3 RATE (b)	0/10.00	0/0.00	0/1.00	0/0.00	1/1.00	0/10.00
POLY-3 PERCENT (g)	0%	0%	0%	0%	100%	0%
TERMINAL (d)	0/10 (0%)	0/0 (0%)	0/1 (0%)	0/0 (0%)	1/1 (100%)	0/10 (0%)
FIRST INCIDENCE	---	---	---	---	93 (T)	---
STATISTICAL TESTS						
POLY 3	(e)	(e)	(e)	(e)	P=0.091	(e)
POLY 1.5	(e)	(e)	(e)	(e)	P=0.091	(e)
POLY 6	(e)	(e)	(e)	(e)	P=0.091	(e)
COCH-ARM / FISHERS	P=0.689	(e)	(e)	(e)	P=0.091	(e)
MAX-ISO-POLY-3	(e)	(e)	(e)	(e)	P<0.001**	(e)

Experiment Number: 10472 - 01
 Test Type: 90-DAY
 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: 08/05/2016
 Time Report Requested: 10:34:45
 First Dose M/F: 10/26/09 / 10/26/09
 Lab: BNW

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(HSD)
 TERMINAL SACRIFICE AT 14 WEEKS**

DOSE	Males					
	CONTROL	125 ppm	250 ppm	500 ppm	1000 ppm	2000 ppm
Lung						
Metaplasia Osseous						
LESION RATES						
OVERALL (a)	1/10 (10%)	0/0 (0%)	0/1 (0%)	0/0 (0%)	0/1 (0%)	1/10 (10%)
POLY-3 RATE (b)	1/10.00	0/0.00	0/1.00	0/0.00	0/1.00	1/10.00
POLY-3 PERCENT (g)	10%	0%	0%	0%	0%	10%
TERMINAL (d)	1/10 (10%)	0/0 (0%)	0/1 (0%)	0/0 (0%)	0/1 (0%)	1/10 (10%)
FIRST INCIDENCE	93 (T)	---	---	---	---	93 (T)
STATISTICAL TESTS						
POLY 3	(e)	(e)	P=0.913N	(e)	P=0.913N	P=0.760
POLY 1.5	(e)	(e)	P=0.913N	(e)	P=0.913N	P=0.760
POLY 6	(e)	(e)	P=0.913N	(e)	P=0.913N	P=0.760
COCH-ARM / FISHERS	P=0.630	(e)	P=0.909N	(e)	P=0.909N	P=0.763N
MAX-ISO-POLY-3	(e)	(e)	P=0.411N	(e)	P=0.411N	P=1.000

Experiment Number: 10472 - 01
 Test Type: 90-DAY
 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: 08/05/2016
 Time Report Requested: 10:34:45
 First Dose M/F: 10/26/09 / 10/26/09
 Lab: BNW

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(HSD)
 TERMINAL SACRIFICE AT 14 WEEKS**

DOSE	Males					
	CONTROL	125 ppm	250 ppm	500 ppm	1000 ppm	2000 ppm
Lymph Node, Mandibular Congestion						
LESION RATES						
OVERALL (a)	1/10 (10%)	0/0 (0%)	0/0 (0%)	0/0 (0%)	0/0 (0%)	0/9 (0%)
POLY-3 RATE (b)	1/10.00	0/0.00	0/0.00	0/0.00	0/0.00	0/9.00
POLY-3 PERCENT (g)	10%	0%	0%	0%	0%	0%
TERMINAL (d)	1/10 (10%)	0/0 (0%)	0/0 (0%)	0/0 (0%)	0/0 (0%)	0/9 (0%)
FIRST INCIDENCE	93 (T)	---	---	---	---	---
STATISTICAL TESTS						
POLY 3	(e)	(e)	(e)	(e)	(e)	P=0.521N
POLY 1.5	(e)	(e)	(e)	(e)	(e)	P=0.521N
POLY 6	(e)	(e)	(e)	(e)	(e)	P=0.521N
COCH-ARM / FISHERS	P=0.323N	(e)	(e)	(e)	(e)	P=0.526N
MAX-ISO-POLY-3	(e)	(e)	(e)	(e)	(e)	P=0.178N

Experiment Number: 10472 - 01
 Test Type: 90-DAY
 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: 08/05/2016
 Time Report Requested: 10:34:45
 First Dose M/F: 10/26/09 / 10/26/09
 Lab: BNW

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(HSD)
 TERMINAL SACRIFICE AT 14 WEEKS**

DOSE	Males					
	CONTROL	125 ppm	250 ppm	500 ppm	1000 ppm	2000 ppm
Lymph Node: Lumbar Hyperplasia Lymphoid						
LESION RATES						
OVERALL (a)	0/0 (0%)	0/0 (0%)	0/0 (0%)	0/0 (0%)	0/0 (0%)	0/0 (0%)
POLY-3 RATE (b)	0/0.00	0/0.00	0/0.00	0/0.00	0/0.00	0/0.00
POLY-3 PERCENT (g)	0%	0%	0%	0%	0%	0%
TERMINAL (d)	0/0 (0%)	0/0 (0%)	0/0 (0%)	0/0 (0%)	0/0 (0%)	0/0 (0%)
FIRST INCIDENCE	---	---	---	---	---	---
STATISTICAL TESTS						
POLY 3	(n)	(n)	(n)	(n)	(n)	(n)
POLY 1.5	(n)	(n)	(n)	(n)	(n)	(n)
POLY 6	(n)	(n)	(n)	(n)	(n)	(n)
COCH-ARM / FISHERS	(n)	(n)	(n)	(n)	(n)	(n)
MAX-ISO-POLY-3	(n)	(n)	(n)	(n)	(n)	(n)

Experiment Number: 10472 - 01

Test Type: 90-DAY

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: 08/05/2016

Time Report Requested: 10:34:45

First Dose M/F: 10/26/09 / 10/26/09

Lab: BNW

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(HSD)
TERMINAL SACRIFICE AT 14 WEEKS**

DOSE	Males					
	CONTROL	125 ppm	250 ppm	500 ppm	1000 ppm	2000 ppm
Mammary Gland Hyperplasia						
LESION RATES						
OVERALL (a)	0/8 (0%)	0/0 (0%)	0/0 (0%)	0/0 (0%)	0/0 (0%)	1/7 (14%)
POLY-3 RATE (b)	0/8.00	0/0.00	0/0.00	0/0.00	0/0.00	1/7.00
POLY-3 PERCENT (g)	0%	0%	0%	0%	0%	14.3%
TERMINAL (d)	0/8 (0%)	0/0 (0%)	0/0 (0%)	0/0 (0%)	0/0 (0%)	1/7 (14%)
FIRST INCIDENCE	---	---	---	---	---	93 (T)
STATISTICAL TESTS						
POLY 3	(e)	(e)	(e)	(e)	(e)	P=0.473
POLY 1.5	(e)	(e)	(e)	(e)	(e)	P=0.473
POLY 6	(e)	(e)	(e)	(e)	(e)	P=0.473
COCH-ARM / FISHERS	P=0.278	(e)	(e)	(e)	(e)	P=0.467
MAX-ISO-POLY-3	(e)	(e)	(e)	(e)	(e)	P=0.148

Experiment Number: 10472 - 01
 Test Type: 90-DAY
 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: 08/05/2016
 Time Report Requested: 10:34:45
 First Dose M/F: 10/26/09 / 10/26/09
 Lab: BNW

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(HSD)
 TERMINAL SACRIFICE AT 14 WEEKS**

DOSE	Males					
	CONTROL	125 ppm	250 ppm	500 ppm	1000 ppm	2000 ppm
Mesentery: Fat Necrosis						
LESION RATES						
OVERALL (a)	0/0 (0%)	0/0 (0%)	0/0 (0%)	0/0 (0%)	0/0 (0%)	0/0 (0%)
POLY-3 RATE (b)	0/0.00	0/0.00	0/0.00	0/0.00	0/0.00	0/0.00
POLY-3 PERCENT (g)	0%	0%	0%	0%	0%	0%
TERMINAL (d)	0/0 (0%)	0/0 (0%)	0/0 (0%)	0/0 (0%)	0/0 (0%)	0/0 (0%)
FIRST INCIDENCE	---	---	---	---	---	---
STATISTICAL TESTS						
POLY 3	(n)	(n)	(n)	(n)	(n)	(n)
POLY 1.5	(n)	(n)	(n)	(n)	(n)	(n)
POLY 6	(n)	(n)	(n)	(n)	(n)	(n)
COCH-ARM / FISHERS	(n)	(n)	(n)	(n)	(n)	(n)
MAX-ISO-POLY-3	(n)	(n)	(n)	(n)	(n)	(n)

Experiment Number: 10472 - 01
 Test Type: 90-DAY
 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: 08/05/2016
 Time Report Requested: 10:34:45
 First Dose M/F: 10/26/09 / 10/26/09
 Lab: BNW

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(HSD)
 TERMINAL SACRIFICE AT 14 WEEKS**

DOSE	Males					
	CONTROL	125 ppm	250 ppm	500 ppm	1000 ppm	2000 ppm
Nose Erosion						
LESION RATES						
OVERALL (a)	0/10 (0%)	0/0 (0%)	0/0 (0%)	0/0 (0%)	0/0 (0%)	0/10 (0%)
POLY-3 RATE (b)	0/10.00	0/0.00	0/0.00	0/0.00	0/0.00	0/10.00
POLY-3 PERCENT (g)	0%	0%	0%	0%	0%	0%
TERMINAL (d)	0/10 (0%)	0/0 (0%)	0/0 (0%)	0/0 (0%)	0/0 (0%)	0/10 (0%)
FIRST INCIDENCE	---	---	---	---	---	---
STATISTICAL TESTS						
POLY 3	(n)	(n)	(n)	(n)	(n)	(n)
POLY 1.5	(n)	(n)	(n)	(n)	(n)	(n)
POLY 6	(n)	(n)	(n)	(n)	(n)	(n)
COCH-ARM / FISHERS	(n)	(n)	(n)	(n)	(n)	(n)
MAX-ISO-POLY-3	(n)	(n)	(n)	(n)	(n)	(n)

Experiment Number: 10472 - 01

Test Type: 90-DAY

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: 08/05/2016

Time Report Requested: 10:34:45

First Dose M/F: 10/26/09 / 10/26/09

Lab: BNW

STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(HSD)
TERMINAL SACRIFICE AT 14 WEEKS

DOSE	Males					
	CONTROL	125 ppm	250 ppm	500 ppm	1000 ppm	2000 ppm
Nose: Olfactory Epithelium Accumulation, Hyaline Droplet						
LESION RATES						
OVERALL (a)	5/10 (50%)	0/0 (0%)	0/0 (0%)	0/0 (0%)	0/0 (0%)	3/10 (30%)
POLY-3 RATE (b)	5/10.00	0/0.00	0/0.00	0/0.00	0/0.00	3/10.00
POLY-3 PERCENT (g)	50%	0%	0%	0%	0%	30%
TERMINAL (d)	5/10 (50%)	0/0 (0%)	0/0 (0%)	0/0 (0%)	0/0 (0%)	3/10 (30%)
FIRST INCIDENCE	93 (T)	---	---	---	---	93 (T)
STATISTICAL TESTS						
POLY 3	(e)	(e)	(e)	(e)	(e)	P=0.329N
POLY 1.5	(e)	(e)	(e)	(e)	(e)	P=0.329N
POLY 6	(e)	(e)	(e)	(e)	(e)	P=0.329N
COCH-ARM / FISHERS	P=0.247N	(e)	(e)	(e)	(e)	P=0.325N
MAX-ISO-POLY-3	(e)	(e)	(e)	(e)	(e)	P=0.187N

Experiment Number: 10472 - 01
 Test Type: 90-DAY
 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: 08/05/2016
 Time Report Requested: 10:34:45
 First Dose M/F: 10/26/09 / 10/26/09
 Lab: BNW

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(HSD)
 TERMINAL SACRIFICE AT 14 WEEKS**

DOSE	Males					
	CONTROL	125 ppm	250 ppm	500 ppm	1000 ppm	2000 ppm
Pancreas						
Infiltration Cellular Polymorphonuclear						
LESION RATES						
OVERALL (a)	0/10 (0%)	0/0 (0%)	0/0 (0%)	0/0 (0%)	0/0 (0%)	0/10 (0%)
POLY-3 RATE (b)	0/10.00	0/0.00	0/0.00	0/0.00	0/0.00	0/10.00
POLY-3 PERCENT (g)	0%	0%	0%	0%	0%	0%
TERMINAL (d)	0/10 (0%)	0/0 (0%)	0/0 (0%)	0/0 (0%)	0/0 (0%)	0/10 (0%)
FIRST INCIDENCE	---	---	---	---	---	---
STATISTICAL TESTS						
POLY 3	(n)	(n)	(n)	(n)	(n)	(n)
POLY 1.5	(n)	(n)	(n)	(n)	(n)	(n)
POLY 6	(n)	(n)	(n)	(n)	(n)	(n)
COCH-ARM / FISHERS	(n)	(n)	(n)	(n)	(n)	(n)
MAX-ISO-POLY-3	(n)	(n)	(n)	(n)	(n)	(n)

Experiment Number: 10472 - 01
 Test Type: 90-DAY
 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: 08/05/2016
 Time Report Requested: 10:34:45
 First Dose M/F: 10/26/09 / 10/26/09
 Lab: BNW

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(HSD)
 TERMINAL SACRIFICE AT 14 WEEKS**

DOSE	Males					
	CONTROL	125 ppm	250 ppm	500 ppm	1000 ppm	2000 ppm
Pancreas: Acinus Atrophy						
LESION RATES						
OVERALL (a)	1/10 (10%)	0/0 (0%)	0/0 (0%)	0/0 (0%)	0/0 (0%)	0/10 (0%)
POLY-3 RATE (b)	1/10.00	0/0.00	0/0.00	0/0.00	0/0.00	0/10.00
POLY-3 PERCENT (g)	10%	0%	0%	0%	0%	0%
TERMINAL (d)	1/10 (10%)	0/0 (0%)	0/0 (0%)	0/0 (0%)	0/0 (0%)	0/10 (0%)
FIRST INCIDENCE	93 (T)	---	---	---	---	---
STATISTICAL TESTS						
POLY 3	(e)	(e)	(e)	(e)	(e)	P=0.500N
POLY 1.5	(e)	(e)	(e)	(e)	(e)	P=0.500N
POLY 6	(e)	(e)	(e)	(e)	(e)	P=0.500N
COCH-ARM / FISHERS	P=0.304N	(e)	(e)	(e)	(e)	P=0.500N
MAX-ISO-POLY-3	(e)	(e)	(e)	(e)	(e)	P=0.158N

Experiment Number: 10472 - 01
 Test Type: 90-DAY
 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: 08/05/2016
 Time Report Requested: 10:34:45
 First Dose M/F: 10/26/09 / 10/26/09
 Lab: BNW

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(HSD)
 TERMINAL SACRIFICE AT 14 WEEKS**

DOSE	Males					
	CONTROL	125 ppm	250 ppm	500 ppm	1000 ppm	2000 ppm
Preputial Gland Inflammation Chronic						
LESION RATES						
OVERALL (a)	2/10 (20%)	0/0 (0%)	0/0 (0%)	0/0 (0%)	0/0 (0%)	0/9 (0%)
POLY-3 RATE (b)	2/10.00	0/0.00	0/0.00	0/0.00	0/0.00	0/9.00
POLY-3 PERCENT (g)	20%	0%	0%	0%	0%	0%
TERMINAL (d)	2/10 (20%)	0/0 (0%)	0/0 (0%)	0/0 (0%)	0/0 (0%)	0/9 (0%)
FIRST INCIDENCE	93 (T)	---	---	---	---	---
STATISTICAL TESTS						
POLY 3	(e)	(e)	(e)	(e)	(e)	P=0.251N
POLY 1.5	(e)	(e)	(e)	(e)	(e)	P=0.251N
POLY 6	(e)	(e)	(e)	(e)	(e)	P=0.251N
COCH-ARM / FISHERS	P=0.148N	(e)	(e)	(e)	(e)	P=0.263N
MAX-ISO-POLY-3	(e)	(e)	(e)	(e)	(e)	P=0.083N

Experiment Number: 10472 - 01

Test Type: 90-DAY

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: 08/05/2016

Time Report Requested: 10:34:45

First Dose M/F: 10/26/09 / 10/26/09

Lab: BNW

STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(HSD)
TERMINAL SACRIFICE AT 14 WEEKS

Table with columns: DOSE, CONTROL, 125 ppm, 250 ppm, 500 ppm, 1000 ppm, 2000 ppm. Rows include Prostate Inflammation Chronic, LESION RATES (OVERALL, POLY-3 RATE, POLY-3 PERCENT, TERMINAL, FIRST INCIDENCE), and STATISTICAL TESTS (POLY 3, POLY 1.5, POLY 6, COCH-ARM / FISHERS, MAX-ISO-POLY-3).

Experiment Number: 10472 - 01
 Test Type: 90-DAY
 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: 08/05/2016
 Time Report Requested: 10:34:45
 First Dose M/F: 10/26/09 / 10/26/09
 Lab: BNW

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(HSD)
 TERMINAL SACRIFICE AT 14 WEEKS**

DOSE	Males					
	CONTROL	125 ppm	250 ppm	500 ppm	1000 ppm	2000 ppm
Salivary Glands Atrophy						
LESION RATES						
OVERALL (a)	0/10 (0%)	0/0 (0%)	0/0 (0%)	0/0 (0%)	0/0 (0%)	0/10 (0%)
POLY-3 RATE (b)	0/10.00	0/0.00	0/0.00	0/0.00	0/0.00	0/10.00
POLY-3 PERCENT (g)	0%	0%	0%	0%	0%	0%
TERMINAL (d)	0/10 (0%)	0/0 (0%)	0/0 (0%)	0/0 (0%)	0/0 (0%)	0/10 (0%)
FIRST INCIDENCE	---	---	---	---	---	---
STATISTICAL TESTS						
POLY 3	(n)	(n)	(n)	(n)	(n)	(n)
POLY 1.5	(n)	(n)	(n)	(n)	(n)	(n)
POLY 6	(n)	(n)	(n)	(n)	(n)	(n)
COCH-ARM / FISHERS	(n)	(n)	(n)	(n)	(n)	(n)
MAX-ISO-POLY-3	(n)	(n)	(n)	(n)	(n)	(n)

Experiment Number: 10472 - 01

Test Type: 90-DAY

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: 08/05/2016

Time Report Requested: 10:34:45

First Dose M/F: 10/26/09 / 10/26/09

Lab: BNW

STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(HSD)
TERMINAL SACRIFICE AT 14 WEEKS

DOSE	Males					
	CONTROL	125 ppm	250 ppm	500 ppm	1000 ppm	2000 ppm
Testes: Germ Cell Degeneration						
LESION RATES						
OVERALL (a)	0/10 (0%)	0/10 (0%)	1/10 (10%)	0/10 (0%)	2/10 (20%)	6/10 (60%)
POLY-3 RATE (b)	0/10.00	0/10.00	1/10.00	0/10.00	2/10.00	6/10.00
POLY-3 PERCENT (g)	0%	0%	10%	0%	20%	60%
TERMINAL (d)	0/10 (0%)	0/10 (0%)	1/10 (10%)	0/10 (0%)	2/10 (20%)	6/10 (60%)
FIRST INCIDENCE	---	---	93 (T)	---	93 (T)	93 (T)
STATISTICAL TESTS						
POLY 3	P<0.001**	(e)	P=0.500	(e)	P=0.227	P<0.001**
POLY 1.5	P<0.001**	(e)	P=0.500	(e)	P=0.227	P<0.001**
POLY 6	P<0.001**	(e)	P=0.500	(e)	P=0.227	P<0.001**
COCH-ARM / FISHERS	P<0.001**	(e)	P=0.500	(e)	P=0.237	P=0.005**
MAX-ISO-POLY-3	P<0.001**	(e)	P=0.158	(e)	P=0.067	P<0.001**

Experiment Number: 10472 - 01
 Test Type: 90-DAY
 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: 08/05/2016
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 First Dose M/F: 10/26/09 / 10/26/09
 Lab: BNW

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(HSD)
 TERMINAL SACRIFICE AT 14 WEEKS**

DOSE	Males					
	CONTROL	125 ppm	250 ppm	500 ppm	1000 ppm	2000 ppm
Testes: Germinal Epithelium Atrophy						
LESION RATES						
OVERALL (a)	1/10 (10%)	0/10 (0%)	0/10 (0%)	1/10 (10%)	0/10 (0%)	0/10 (0%)
POLY-3 RATE (b)	1/10.00	0/10.00	0/10.00	1/10.00	0/10.00	0/10.00
POLY-3 PERCENT (g)	10%	0%	0%	10%	0%	0%
TERMINAL (d)	1/10 (10%)	0/10 (0%)	0/10 (0%)	1/10 (10%)	0/10 (0%)	0/10 (0%)
FIRST INCIDENCE	93 (T)	---	---	93 (T)	---	---
STATISTICAL TESTS						
POLY 3	P=0.382N	P=0.500N	P=0.500N	P=0.760	P=0.500N	P=0.500N
POLY 1.5	P=0.382N	P=0.500N	P=0.500N	P=0.760	P=0.500N	P=0.500N
POLY 6	P=0.382N	P=0.500N	P=0.500N	P=0.760	P=0.500N	P=0.500N
COCH-ARM / FISHERS	P=0.380N	P=0.500N	P=0.500N	P=0.763N	P=0.500N	P=0.500N
MAX-ISO-POLY-3	P=0.201N	P=0.158N	P=0.158N	P=1.000	P=0.158N	P=0.158N

Experiment Number: 10472 - 01
 Test Type: 90-DAY
 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: 08/05/2016
 Time Report Requested: 10:34:45
 First Dose M/F: 10/26/09 / 10/26/09
 Lab: BNW

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(HSD)
 TERMINAL SACRIFICE AT 14 WEEKS**

DOSE	Males					
	CONTROL	125 ppm	250 ppm	500 ppm	1000 ppm	2000 ppm
Testes: Rete Testes Dilation						
LESION RATES						
OVERALL (a)	0/10 (0%)	0/10 (0%)	0/10 (0%)	1/10 (10%)	0/10 (0%)	0/10 (0%)
POLY-3 RATE (b)	0/10.00	0/10.00	0/10.00	1/10.00	0/10.00	0/10.00
POLY-3 PERCENT (g)	0%	0%	0%	10%	0%	0%
TERMINAL (d)	0/10 (0%)	0/10 (0%)	0/10 (0%)	1/10 (10%)	0/10 (0%)	0/10 (0%)
FIRST INCIDENCE	---	---	---	93 (T)	---	---
STATISTICAL TESTS						
POLY 3	P=0.697N	(e)	(e)	P=0.500	(e)	(e)
POLY 1.5	P=0.697N	(e)	(e)	P=0.500	(e)	(e)
POLY 6	P=0.697N	(e)	(e)	P=0.500	(e)	(e)
COCH-ARM / FISHERS	P=0.699N	(e)	(e)	P=0.500	(e)	(e)
MAX-ISO-POLY-3	P=0.516	(e)	(e)	P=0.158	(e)	(e)

Experiment Number: 10472 - 01
 Test Type: 90-DAY
 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: 08/05/2016
 Time Report Requested: 10:34:45
 First Dose M/F: 10/26/09 / 10/26/09
 Lab: BNW

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(HSD)
 TERMINAL SACRIFICE AT 14 WEEKS**

DOSE	Males					
	CONTROL	125 ppm	250 ppm	500 ppm	1000 ppm	2000 ppm
Testes: Seminiferous Tubule Dilation						
LESION RATES						
OVERALL (a)	0/10 (0%)	0/10 (0%)	0/10 (0%)	1/10 (10%)	0/10 (0%)	0/10 (0%)
POLY-3 RATE (b)	0/10.00	0/10.00	0/10.00	1/10.00	0/10.00	0/10.00
POLY-3 PERCENT (g)	0%	0%	0%	10%	0%	0%
TERMINAL (d)	0/10 (0%)	0/10 (0%)	0/10 (0%)	1/10 (10%)	0/10 (0%)	0/10 (0%)
FIRST INCIDENCE	---	---	---	93 (T)	---	---
STATISTICAL TESTS						
POLY 3	P=0.697N	(e)	(e)	P=0.500	(e)	(e)
POLY 1.5	P=0.697N	(e)	(e)	P=0.500	(e)	(e)
POLY 6	P=0.697N	(e)	(e)	P=0.500	(e)	(e)
COCH-ARM / FISHERS	P=0.699N	(e)	(e)	P=0.500	(e)	(e)
MAX-ISO-POLY-3	P=0.516	(e)	(e)	P=0.158	(e)	(e)

Experiment Number: 10472 - 01
 Test Type: 90-DAY
 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: 08/05/2016
 Time Report Requested: 10:34:45
 First Dose M/F: 10/26/09 / 10/26/09
 Lab: BNW

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(HSD)
 TERMINAL SACRIFICE AT 14 WEEKS**

DOSE	Males					
	CONTROL	125 ppm	250 ppm	500 ppm	1000 ppm	2000 ppm
Testes: Seminiferous Tubule Spermatid Retention						
LESION RATES						
OVERALL (a)	0/10 (0%)	0/10 (0%)	0/10 (0%)	3/10 (30%)	4/10 (40%)	4/10 (40%)
POLY-3 RATE (b)	0/10.00	0/10.00	0/10.00	3/10.00	4/10.00	4/10.00
POLY-3 PERCENT (g)	0%	0%	0%	30%	40%	40%
TERMINAL (d)	0/10 (0%)	0/10 (0%)	0/10 (0%)	3/10 (30%)	4/10 (40%)	4/10 (40%)
FIRST INCIDENCE	---	---	---	93 (T)	93 (T)	93 (T)
STATISTICAL TESTS						
POLY 3	P<0.001**	(e)	(e)	P=0.095	P=0.033*	P=0.033*
POLY 1.5	P<0.001**	(e)	(e)	P=0.095	P=0.033*	P=0.033*
POLY 6	P<0.001**	(e)	(e)	P=0.095	P=0.033*	P=0.033*
COCH-ARM / FISHERS	P=0.002**	(e)	(e)	P=0.105	P=0.043*	P=0.043*
MAX-ISO-POLY-3	P=0.002**	(e)	(e)	P=0.024*	P=0.007**	P=0.007**

Experiment Number: 10472 - 01

Test Type: 90-DAY

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: 08/05/2016

Time Report Requested: 10:34:45

First Dose M/F: 10/26/09 / 10/26/09

Lab: BNW

STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(HSD)
TERMINAL SACRIFICE AT 14 WEEKS

DOSE	Males					
	CONTROL	125 ppm	250 ppm	500 ppm	1000 ppm	2000 ppm
Thymus Atrophy						
LESION RATES						
OVERALL (a)	0/10 (0%)	0/10 (0%)	0/10 (0%)	0/10 (0%)	0/10 (0%)	0/9 (0%)
POLY-3 RATE (b)	0/10.00	0/10.00	0/10.00	0/10.00	0/10.00	0/9.00
POLY-3 PERCENT (g)	0%	0%	0%	0%	0%	0%
TERMINAL (d)	0/10 (0%)	0/10 (0%)	0/10 (0%)	0/10 (0%)	0/10 (0%)	0/9 (0%)
FIRST INCIDENCE	---	---	---	---	---	---
STATISTICAL TESTS						
POLY 3	(n)	(n)	(n)	(n)	(n)	(n)
POLY 1.5	(n)	(n)	(n)	(n)	(n)	(n)
POLY 6	(n)	(n)	(n)	(n)	(n)	(n)
COCH-ARM / FISHERS	(n)	(n)	(n)	(n)	(n)	(n)
MAX-ISO-POLY-3	(n)	(n)	(n)	(n)	(n)	(n)

Experiment Number: 10472 - 01

Test Type: 90-DAY

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: 08/05/2016

Time Report Requested: 10:34:45

First Dose M/F: 10/26/09 / 10/26/09

Lab: BNW

STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(HSD)
TERMINAL SACRIFICE AT 14 WEEKS

DOSE	Males					
	CONTROL	125 ppm	250 ppm	500 ppm	1000 ppm	2000 ppm
Tongue						
Inflammation Chronic						
LESION RATES						
OVERALL (a)	0/0 (0%)	0/0 (0%)	0/0 (0%)	0/0 (0%)	0/0 (0%)	0/0 (0%)
POLY-3 RATE (b)	0/0.00	0/0.00	0/0.00	0/0.00	0/0.00	0/0.00
POLY-3 PERCENT (g)	0%	0%	0%	0%	0%	0%
TERMINAL (d)	0/0 (0%)	0/0 (0%)	0/0 (0%)	0/0 (0%)	0/0 (0%)	0/0 (0%)
FIRST INCIDENCE	---	---	---	---	---	---
STATISTICAL TESTS						
POLY 3	(n)	(n)	(n)	(n)	(n)	(n)
POLY 1.5	(n)	(n)	(n)	(n)	(n)	(n)
POLY 6	(n)	(n)	(n)	(n)	(n)	(n)
COCH-ARM / FISHERS	(n)	(n)	(n)	(n)	(n)	(n)
MAX-ISO-POLY-3	(n)	(n)	(n)	(n)	(n)	(n)

Experiment Number: 10472 - 01
 Test Type: 90-DAY
 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: 08/05/2016
 Time Report Requested: 10:34:45
 First Dose M/F: 10/26/09 / 10/26/09
 Lab: BNW

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(HSD)
 TERMINAL SACRIFICE AT 14 WEEKS**

DOSE	Females					
	CONTROL	125 ppm	250 ppm	500 ppm	1000 ppm	2000 ppm
Adrenal Cortex						
Vacuolization Cytoplasmic						
LESION RATES						
OVERALL (a)	0/10 (0%)	0/10 (0%)	0/10 (0%)	0/10 (0%)	4/10 (40%)	10/10 (100%)
POLY-3 RATE (b)	0/10.00	0/10.00	0/10.00	0/10.00	4/10.00	10/10.00
POLY-3 PERCENT (g)	0%	0%	0%	0%	40%	100%
TERMINAL (d)	0/10 (0%)	0/10 (0%)	0/10 (0%)	0/10 (0%)	4/10 (40%)	9/9 (100%)
FIRST INCIDENCE	---	---	---	---	94 (T)	45
STATISTICAL TESTS						
POLY 3	P<0.001**	(e)	(e)	(e)	P=0.033*	P<0.001**
POLY 1.5	P<0.001**	(e)	(e)	(e)	P=0.033*	P<0.001**
POLY 6	P<0.001**	(e)	(e)	(e)	P=0.033*	P<0.001**
COCH-ARM / FISHERS	P<0.001**	(e)	(e)	(e)	P=0.043*	P<0.001**
MAX-ISO-POLY-3	P<0.001**	(e)	(e)	(e)	P=0.007**	(e)

Experiment Number: 10472 - 01

Test Type: 90-DAY

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: 08/05/2016

Time Report Requested: 10:34:45

First Dose M/F: 10/26/09 / 10/26/09

Lab: BNW

STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(HSD)
TERMINAL SACRIFICE AT 14 WEEKS

DOSE	Females					
	CONTROL	125 ppm	250 ppm	500 ppm	1000 ppm	2000 ppm
Clitoral Gland Inflammation Chronic						
LESION RATES						
OVERALL (a)	1/9 (11%)	0/0 (0%)	0/0 (0%)	0/0 (0%)	0/0 (0%)	1/10 (10%)
POLY-3 RATE (b)	1/9.00	0/0.00	0/0.00	0/0.00	0/0.00	1/9.11
POLY-3 PERCENT (g)	11.1%	0%	0%	0%	0%	11%
TERMINAL (d)	1/9 (11%)	0/0 (0%)	0/0 (0%)	0/0 (0%)	0/0 (0%)	1/9 (11%)
FIRST INCIDENCE	94 (T)	---	---	---	---	94 (T)
STATISTICAL TESTS						
POLY 3	(e)	(e)	(e)	(e)	(e)	P=0.758N
POLY 1.5	(e)	(e)	(e)	(e)	(e)	P=0.753N
POLY 6	(e)	(e)	(e)	(e)	(e)	P=0.761N
COCH-ARM / FISHERS	P=0.616N	(e)	(e)	(e)	(e)	P=0.737N
MAX-ISO-POLY-3	(e)	(e)	(e)	(e)	(e)	P=0.496N

Experiment Number: 10472 - 01
 Test Type: 90-DAY
 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: 08/05/2016
 Time Report Requested: 10:34:45
 First Dose M/F: 10/26/09 / 10/26/09
 Lab: BNW

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(HSD)
 TERMINAL SACRIFICE AT 14 WEEKS**

DOSE	Females					
	CONTROL	125 ppm	250 ppm	500 ppm	1000 ppm	2000 ppm
Eye						
Infiltration Cellular Polymorphonuclear						
LESION RATES						
OVERALL (a)	0/10 (0%)	0/0 (0%)	0/0 (0%)	0/0 (0%)	0/0 (0%)	0/10 (0%)
POLY-3 RATE (b)	0/10.00	0/0.00	0/0.00	0/0.00	0/0.00	0/9.11
POLY-3 PERCENT (g)	0%	0%	0%	0%	0%	0%
TERMINAL (d)	0/10 (0%)	0/0 (0%)	0/0 (0%)	0/0 (0%)	0/0 (0%)	0/9 (0%)
FIRST INCIDENCE	---	---	---	---	---	---
STATISTICAL TESTS						
POLY 3	(n)	(n)	(n)	(n)	(n)	(n)
POLY 1.5	(n)	(n)	(n)	(n)	(n)	(n)
POLY 6	(n)	(n)	(n)	(n)	(n)	(n)
COCH-ARM / FISHERS	(n)	(n)	(n)	(n)	(n)	(n)
MAX-ISO-POLY-3	(n)	(n)	(n)	(n)	(n)	(n)

Experiment Number: 10472 - 01
 Test Type: 90-DAY
 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: 08/05/2016
 Time Report Requested: 10:34:45
 First Dose M/F: 10/26/09 / 10/26/09
 Lab: BNW

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(HSD)
 TERMINAL SACRIFICE AT 14 WEEKS**

DOSE	Females					
	CONTROL	125 ppm	250 ppm	500 ppm	1000 ppm	2000 ppm
Eye: Retrobulbar Inflammation Neutrophil						
LESION RATES						
OVERALL (a)	0/10 (0%)	0/0 (0%)	0/0 (0%)	0/0 (0%)	0/0 (0%)	0/10 (0%)
POLY-3 RATE (b)	0/10.00	0/0.00	0/0.00	0/0.00	0/0.00	0/9.11
POLY-3 PERCENT (g)	0%	0%	0%	0%	0%	0%
TERMINAL (d)	0/10 (0%)	0/0 (0%)	0/0 (0%)	0/0 (0%)	0/0 (0%)	0/9 (0%)
FIRST INCIDENCE	---	---	---	---	---	---
STATISTICAL TESTS						
POLY 3	(n)	(n)	(n)	(n)	(n)	(n)
POLY 1.5	(n)	(n)	(n)	(n)	(n)	(n)
POLY 6	(n)	(n)	(n)	(n)	(n)	(n)
COCH-ARM / FISHERS	(n)	(n)	(n)	(n)	(n)	(n)
MAX-ISO-POLY-3	(n)	(n)	(n)	(n)	(n)	(n)

Experiment Number: 10472 - 01
 Test Type: 90-DAY
 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: 08/05/2016
 Time Report Requested: 10:34:45
 First Dose M/F: 10/26/09 / 10/26/09
 Lab: BNW

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(HSD)
 TERMINAL SACRIFICE AT 14 WEEKS**

DOSE	Females					
	CONTROL	125 ppm	250 ppm	500 ppm	1000 ppm	2000 ppm
Harderian Gland Atrophy						
LESION RATES						
OVERALL (a)	0/10 (0%)	1/10 (10%)	0/10 (0%)	0/10 (0%)	0/10 (0%)	0/10 (0%)
POLY-3 RATE (b)	0/10.00	1/10.00	0/10.00	0/10.00	0/10.00	0/9.11
POLY-3 PERCENT (g)	0%	10%	0%	0%	0%	0%
TERMINAL (d)	0/10 (0%)	1/10 (10%)	0/10 (0%)	0/10 (0%)	0/10 (0%)	0/9 (0%)
FIRST INCIDENCE	---	94 (T)	---	---	---	---
STATISTICAL TESTS						
POLY 3	P=0.473N	P=0.500	(e)	(e)	(e)	(e)
POLY 1.5	P=0.477N	P=0.500	(e)	(e)	(e)	(e)
POLY 6	P=0.471N	P=0.500	(e)	(e)	(e)	(e)
COCH-ARM / FISHERS	P=0.488N	P=0.500	(e)	(e)	(e)	(e)
MAX-ISO-POLY-3	P=0.396N	P=0.158	(e)	(e)	(e)	(e)

Experiment Number: 10472 - 01
 Test Type: 90-DAY
 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: 08/05/2016
 Time Report Requested: 10:34:45
 First Dose M/F: 10/26/09 / 10/26/09
 Lab: BNW

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(HSD)
 TERMINAL SACRIFICE AT 14 WEEKS**

DOSE	Females					
	CONTROL	125 ppm	250 ppm	500 ppm	1000 ppm	2000 ppm
Harderian Gland Degeneration						
LESION RATES						
OVERALL (a)	0/10 (0%)	3/10 (30%)	5/10 (50%)	9/10 (90%)	10/10 (100%)	10/10 (100%)
POLY-3 RATE (b)	0/10.00	3/10.00	5/10.00	9/10.00	10/10.00	10/10.00
POLY-3 PERCENT (g)	0%	30%	50%	90%	100%	100%
TERMINAL (d)	0/10 (0%)	3/10 (30%)	5/10 (50%)	9/10 (90%)	10/10 (100%)	9/9 (100%)
FIRST INCIDENCE	---	94 (T)	94 (T)	94 (T)	94 (T)	45
STATISTICAL TESTS						
POLY 3	P<0.001**	P=0.095	P=0.008**	P<0.001**	P<0.001**	P<0.001**
POLY 1.5	P<0.001**	P=0.095	P=0.008**	P<0.001**	P<0.001**	P<0.001**
POLY 6	P<0.001**	P=0.095	P=0.008**	P<0.001**	P<0.001**	P<0.001**
COCH-ARM / FISHERS	P<0.001**	P=0.105	P=0.016*	P<0.001**	P<0.001**	P<0.001**
MAX-ISO-POLY-3	P<0.001**	P=0.024*	P=0.002**	P<0.001**	(e)	(e)

Experiment Number: 10472 - 01
 Test Type: 90-DAY
 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: 08/05/2016
 Time Report Requested: 10:34:45
 First Dose M/F: 10/26/09 / 10/26/09
 Lab: BNW

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(HSD)
 TERMINAL SACRIFICE AT 14 WEEKS**

DOSE	Females					
	CONTROL	125 ppm	250 ppm	500 ppm	1000 ppm	2000 ppm
Harderian Gland Inflammation Chronic						
LESION RATES						
OVERALL (a)	0/10 (0%)	1/10 (10%)	3/10 (30%)	6/10 (60%)	5/10 (50%)	1/10 (10%)
POLY-3 RATE (b)	0/10.00	1/10.00	3/10.00	6/10.00	5/10.00	1/9.11
POLY-3 PERCENT (g)	0%	10%	30%	60%	50%	11%
TERMINAL (d)	0/10 (0%)	1/10 (10%)	3/10 (30%)	6/10 (60%)	5/10 (50%)	1/9 (11%)
FIRST INCIDENCE	---	94 (T)	94 (T)	94 (T)	94 (T)	94 (T)
STATISTICAL TESTS						
POLY 3	P=0.381	P=0.500	P=0.095	P<0.001**	P=0.008**	P=0.481
POLY 1.5	P=0.409	P=0.500	P=0.095	P<0.001**	P=0.008**	P=0.486
POLY 6	P=0.369	P=0.500	P=0.095	P<0.001**	P=0.008**	P=0.479
COCH-ARM / FISHERS	P=0.493	P=0.500	P=0.105	P=0.005**	P=0.016*	P=0.500
MAX-ISO-POLY-3	P=0.033*	P=0.158	P=0.024*	P<0.001**	P=0.002**	P=0.157

Experiment Number: 10472 - 01
 Test Type: 90-DAY
 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: 08/05/2016
 Time Report Requested: 10:34:45
 First Dose M/F: 10/26/09 / 10/26/09
 Lab: BNW

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(HSD)
 TERMINAL SACRIFICE AT 14 WEEKS**

DOSE	Females					
	CONTROL	125 ppm	250 ppm	500 ppm	1000 ppm	2000 ppm
Harderian Gland Inflammation Neutrophil						
LESION RATES						
OVERALL (a)	0/10 (0%)	0/10 (0%)	0/10 (0%)	0/10 (0%)	0/10 (0%)	0/10 (0%)
POLY-3 RATE (b)	0/10.00	0/10.00	0/10.00	0/10.00	0/10.00	0/9.11
POLY-3 PERCENT (g)	0%	0%	0%	0%	0%	0%
TERMINAL (d)	0/10 (0%)	0/10 (0%)	0/10 (0%)	0/10 (0%)	0/10 (0%)	0/9 (0%)
FIRST INCIDENCE	---	---	---	---	---	---
STATISTICAL TESTS						
POLY 3	(n)	(n)	(n)	(n)	(n)	(n)
POLY 1.5	(n)	(n)	(n)	(n)	(n)	(n)
POLY 6	(n)	(n)	(n)	(n)	(n)	(n)
COCH-ARM / FISHERS	(n)	(n)	(n)	(n)	(n)	(n)
MAX-ISO-POLY-3	(n)	(n)	(n)	(n)	(n)	(n)

Experiment Number: 10472 - 01

Test Type: 90-DAY

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: 08/05/2016

Time Report Requested: 10:34:45

First Dose M/F: 10/26/09 / 10/26/09

Lab: BNW

STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(HSD)
TERMINAL SACRIFICE AT 14 WEEKS

DOSE	Females					
	CONTROL	125 ppm	250 ppm	500 ppm	1000 ppm	2000 ppm
Heart						
Cardiomyopathy						
LESION RATES						
OVERALL (a)	1/10 (10%)	0/0 (0%)	0/0 (0%)	0/0 (0%)	0/0 (0%)	0/10 (0%)
POLY-3 RATE (b)	1/10.00	0/0.00	0/0.00	0/0.00	0/0.00	0/9.11
POLY-3 PERCENT (g)	10%	0%	0%	0%	0%	0%
TERMINAL (d)	1/10 (10%)	0/0 (0%)	0/0 (0%)	0/0 (0%)	0/0 (0%)	0/9 (0%)
FIRST INCIDENCE	94 (T)	---	---	---	---	---
STATISTICAL TESTS						
POLY 3	(e)	(e)	(e)	(e)	(e)	P=0.519N
POLY 1.5	(e)	(e)	(e)	(e)	(e)	P=0.514N
POLY 6	(e)	(e)	(e)	(e)	(e)	P=0.521N
COCH-ARM / FISHERS	P=0.304N	(e)	(e)	(e)	(e)	P=0.500N
MAX-ISO-POLY-3	(e)	(e)	(e)	(e)	(e)	P=0.181N

Experiment Number: 10472 - 01

Test Type: 90-DAY

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: 08/05/2016

Time Report Requested: 10:34:45

First Dose M/F: 10/26/09 / 10/26/09

Lab: BNW

STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(HSD)
TERMINAL SACRIFICE AT 14 WEEKS

DOSE	Females					
	CONTROL	125 ppm	250 ppm	500 ppm	1000 ppm	2000 ppm
Intestine Large, Colon Hyperplasia Lymphoid						
LESION RATES						
OVERALL (a)	0/10 (0%)	0/0 (0%)	0/0 (0%)	0/0 (0%)	0/0 (0%)	0/10 (0%)
POLY-3 RATE (b)	0/10.00	0/0.00	0/0.00	0/0.00	0/0.00	0/9.11
POLY-3 PERCENT (g)	0%	0%	0%	0%	0%	0%
TERMINAL (d)	0/10 (0%)	0/0 (0%)	0/0 (0%)	0/0 (0%)	0/0 (0%)	0/9 (0%)
FIRST INCIDENCE	---	---	---	---	---	---
STATISTICAL TESTS						
POLY 3	(n)	(n)	(n)	(n)	(n)	(n)
POLY 1.5	(n)	(n)	(n)	(n)	(n)	(n)
POLY 6	(n)	(n)	(n)	(n)	(n)	(n)
COCH-ARM / FISHERS	(n)	(n)	(n)	(n)	(n)	(n)
MAX-ISO-POLY-3	(n)	(n)	(n)	(n)	(n)	(n)

Experiment Number: 10472 - 01
 Test Type: 90-DAY
 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: 08/05/2016
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 First Dose M/F: 10/26/09 / 10/26/09
 Lab: BNW

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(HSD)
 TERMINAL SACRIFICE AT 14 WEEKS**

DOSE	Females					
	CONTROL	125 ppm	250 ppm	500 ppm	1000 ppm	2000 ppm
Intestine Small, Ileum: Peyer's Patch Hyperplasia						
LESION RATES						
OVERALL (a)	0/10 (0%)	0/0 (0%)	0/0 (0%)	0/0 (0%)	0/0 (0%)	0/10 (0%)
POLY-3 RATE (b)	0/10.00	0/0.00	0/0.00	0/0.00	0/0.00	0/9.11
POLY-3 PERCENT (g)	0%	0%	0%	0%	0%	0%
TERMINAL (d)	0/10 (0%)	0/0 (0%)	0/0 (0%)	0/0 (0%)	0/0 (0%)	0/9 (0%)
FIRST INCIDENCE	---	---	---	---	---	---
STATISTICAL TESTS						
POLY 3	(n)	(n)	(n)	(n)	(n)	(n)
POLY 1.5	(n)	(n)	(n)	(n)	(n)	(n)
POLY 6	(n)	(n)	(n)	(n)	(n)	(n)
COCH-ARM / FISHERS	(n)	(n)	(n)	(n)	(n)	(n)
MAX-ISO-POLY-3	(n)	(n)	(n)	(n)	(n)	(n)

Experiment Number: 10472 - 01
 Test Type: 90-DAY
 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: 08/05/2016
 Time Report Requested: 10:34:45
 First Dose M/F: 10/26/09 / 10/26/09
 Lab: BNW

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(HSD)
 TERMINAL SACRIFICE AT 14 WEEKS**

DOSE	Females					
	CONTROL	125 ppm	250 ppm	500 ppm	1000 ppm	2000 ppm
Kidney						
Accumulation, Hyaline Droplet						
LESION RATES						
OVERALL (a)	0/10 (0%)	0/10 (0%)	0/10 (0%)	0/10 (0%)	0/10 (0%)	0/10 (0%)
POLY-3 RATE (b)	0/10.00	0/10.00	0/10.00	0/10.00	0/10.00	0/9.11
POLY-3 PERCENT (g)	0%	0%	0%	0%	0%	0%
TERMINAL (d)	0/10 (0%)	0/10 (0%)	0/10 (0%)	0/10 (0%)	0/10 (0%)	0/9 (0%)
FIRST INCIDENCE	---	---	---	---	---	---
STATISTICAL TESTS						
POLY 3	(n)	(n)	(n)	(n)	(n)	(n)
POLY 1.5	(n)	(n)	(n)	(n)	(n)	(n)
POLY 6	(n)	(n)	(n)	(n)	(n)	(n)
COCH-ARM / FISHERS	(n)	(n)	(n)	(n)	(n)	(n)
MAX-ISO-POLY-3	(n)	(n)	(n)	(n)	(n)	(n)

Experiment Number: 10472 - 01
 Test Type: 90-DAY
 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: 08/05/2016
 Time Report Requested: 10:34:45
 First Dose M/F: 10/26/09 / 10/26/09
 Lab: BNW

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(HSD)
 TERMINAL SACRIFICE AT 14 WEEKS**

DOSE	Females					
	CONTROL	125 ppm	250 ppm	500 ppm	1000 ppm	2000 ppm
Kidney						
Nephropathy Chronic						
LESION RATES						
OVERALL (a)	7/10 (70%)	4/10 (40%)	7/10 (70%)	9/10 (90%)	10/10 (100%)	10/10 (100%)
POLY-3 RATE (b)	7/10.00	4/10.00	7/10.00	9/10.00	10/10.00	10/10.00
POLY-3 PERCENT (g)	70%	40%	70%	90%	100%	100%
TERMINAL (d)	7/10 (70%)	4/10 (40%)	7/10 (70%)	9/10 (90%)	10/10 (100%)	9/9 (100%)
FIRST INCIDENCE	94 (T)	94 (T)	94 (T)	94 (T)	94 (T)	45
STATISTICAL TESTS						
POLY 3	P<0.001**	P=0.186N	P=0.678	P=0.292	P=0.095	P=0.095
POLY 1.5	P<0.001**	P=0.186N	P=0.678	P=0.292	P=0.095	P=0.095
POLY 6	P<0.001**	P=0.186N	P=0.678	P=0.292	P=0.095	P=0.095
COCH-ARM / FISHERS	P=0.004**	P=0.185N	P=0.686N	P=0.291	P=0.105	P=0.105
MAX-ISO-POLY-3	P=0.003**	P=0.090N	P=1.000	P=0.135	P=0.024*	P=0.024*

Experiment Number: 10472 - 01
 Test Type: 90-DAY
 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: 08/05/2016
 Time Report Requested: 10:34:45
 First Dose M/F: 10/26/09 / 10/26/09
 Lab: BNW

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(HSD)
 TERMINAL SACRIFICE AT 14 WEEKS**

DOSE	Females					
	CONTROL	125 ppm	250 ppm	500 ppm	1000 ppm	2000 ppm
Larynx						
Inflammation Chronic						
LESION RATES						
OVERALL (a)	0/10 (0%)	0/0 (0%)	0/0 (0%)	0/0 (0%)	0/0 (0%)	0/10 (0%)
POLY-3 RATE (b)	0/10.00	0/0.00	0/0.00	0/0.00	0/0.00	0/9.11
POLY-3 PERCENT (g)	0%	0%	0%	0%	0%	0%
TERMINAL (d)	0/10 (0%)	0/0 (0%)	0/0 (0%)	0/0 (0%)	0/0 (0%)	0/9 (0%)
FIRST INCIDENCE	---	---	---	---	---	---
STATISTICAL TESTS						
POLY 3	(n)	(n)	(n)	(n)	(n)	(n)
POLY 1.5	(n)	(n)	(n)	(n)	(n)	(n)
POLY 6	(n)	(n)	(n)	(n)	(n)	(n)
COCH-ARM / FISHERS	(n)	(n)	(n)	(n)	(n)	(n)
MAX-ISO-POLY-3	(n)	(n)	(n)	(n)	(n)	(n)

Experiment Number: 10472 - 01
 Test Type: 90-DAY
 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: 08/05/2016
 Time Report Requested: 10:34:45
 First Dose M/F: 10/26/09 / 10/26/09
 Lab: BNW

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(HSD)
 TERMINAL SACRIFICE AT 14 WEEKS**

DOSE	Females					
	CONTROL	125 ppm	250 ppm	500 ppm	1000 ppm	2000 ppm
Larynx						
Inflammation Neutrophil						
LESION RATES						
OVERALL (a)	0/10 (0%)	0/0 (0%)	0/0 (0%)	0/0 (0%)	0/0 (0%)	0/10 (0%)
POLY-3 RATE (b)	0/10.00	0/0.00	0/0.00	0/0.00	0/0.00	0/9.11
POLY-3 PERCENT (g)	0%	0%	0%	0%	0%	0%
TERMINAL (d)	0/10 (0%)	0/0 (0%)	0/0 (0%)	0/0 (0%)	0/0 (0%)	0/9 (0%)
FIRST INCIDENCE	---	---	---	---	---	---
STATISTICAL TESTS						
POLY 3	(n)	(n)	(n)	(n)	(n)	(n)
POLY 1.5	(n)	(n)	(n)	(n)	(n)	(n)
POLY 6	(n)	(n)	(n)	(n)	(n)	(n)
COCH-ARM / FISHERS	(n)	(n)	(n)	(n)	(n)	(n)
MAX-ISO-POLY-3	(n)	(n)	(n)	(n)	(n)	(n)

Experiment Number: 10472 - 01
 Test Type: 90-DAY
 Route: RESPIRATORY EXPOSURE WHOLE BODY
 Species/Strain: RATS/HSD

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
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 First Dose M/F: 10/26/09 / 10/26/09
 Lab: BNW

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(HSD)
 TERMINAL SACRIFICE AT 14 WEEKS**

DOSE	Females					
	CONTROL	125 ppm	250 ppm	500 ppm	1000 ppm	2000 ppm
Liver						
Clear Cell Focus						
LESION RATES						
OVERALL (a)	0/10 (0%)	0/10 (0%)	0/10 (0%)	0/10 (0%)	0/10 (0%)	2/10 (20%)
POLY-3 RATE (b)	0/10.00	0/10.00	0/10.00	0/10.00	0/10.00	2/9.11
POLY-3 PERCENT (g)	0%	0%	0%	0%	0%	22%
TERMINAL (d)	0/10 (0%)	0/10 (0%)	0/10 (0%)	0/10 (0%)	0/10 (0%)	2/9 (22%)
FIRST INCIDENCE	---	---	---	---	---	94 (T)
STATISTICAL TESTS						
POLY 3	P=0.007**	(e)	(e)	(e)	(e)	P=0.204
POLY 1.5	P=0.007**	(e)	(e)	(e)	(e)	P=0.210
POLY 6	P=0.007**	(e)	(e)	(e)	(e)	P=0.202
COCH-ARM / FISHERS	P=0.010**	(e)	(e)	(e)	(e)	P=0.237
MAX-ISO-POLY-3	P=0.008**	(e)	(e)	(e)	(e)	P=0.065

Experiment Number: 10472 - 01
 Test Type: 90-DAY
 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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 Time Report Requested: 10:34:45
 First Dose M/F: 10/26/09 / 10/26/09
 Lab: BNW

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(HSD)
 TERMINAL SACRIFICE AT 14 WEEKS**

DOSE	Females					
	CONTROL	125 ppm	250 ppm	500 ppm	1000 ppm	2000 ppm
Liver						
Hepatodiaphragmatic Nodule						
LESION RATES						
OVERALL (a)	0/10 (0%)	0/10 (0%)	1/10 (10%)	0/10 (0%)	1/10 (10%)	0/10 (0%)
POLY-3 RATE (b)	0/10.00	0/10.00	1/10.00	0/10.00	1/10.00	0/9.11
POLY-3 PERCENT (g)	0%	0%	10%	0%	10%	0%
TERMINAL (d)	0/10 (0%)	0/10 (0%)	1/10 (10%)	0/10 (0%)	1/10 (10%)	0/9 (0%)
FIRST INCIDENCE	---	---	94 (T)	---	94 (T)	---
STATISTICAL TESTS						
POLY 3	P=0.669	(e)	P=0.500	(e)	P=0.500	(e)
POLY 1.5	P=0.681	(e)	P=0.500	(e)	P=0.500	(e)
POLY 6	P=0.664	(e)	P=0.500	(e)	P=0.500	(e)
COCH-ARM / FISHERS	P=0.685N	(e)	P=0.500	(e)	P=0.500	(e)
MAX-ISO-POLY-3	P=0.513	(e)	P=0.158	(e)	P=0.158	(e)

Experiment Number: 10472 - 01
 Test Type: 90-DAY
 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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 First Dose M/F: 10/26/09 / 10/26/09
 Lab: BNW

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(HSD)
 TERMINAL SACRIFICE AT 14 WEEKS**

DOSE	Females					
	CONTROL	125 ppm	250 ppm	500 ppm	1000 ppm	2000 ppm
Liver						
Inflammation Chronic						
LESION RATES						
OVERALL (a)	0/10 (0%)	0/10 (0%)	0/10 (0%)	0/10 (0%)	1/10 (10%)	0/10 (0%)
POLY-3 RATE (b)	0/10.00	0/10.00	0/10.00	0/10.00	1/10.00	0/9.11
POLY-3 PERCENT (g)	0%	0%	0%	0%	10%	0%
TERMINAL (d)	0/10 (0%)	0/10 (0%)	0/10 (0%)	0/10 (0%)	1/10 (10%)	0/9 (0%)
FIRST INCIDENCE	---	---	---	---	94 (T)	---
STATISTICAL TESTS						
POLY 3	P=0.527	(e)	(e)	(e)	P=0.500	(e)
POLY 1.5	P=0.542	(e)	(e)	(e)	P=0.500	(e)
POLY 6	P=0.521	(e)	(e)	(e)	P=0.500	(e)
COCH-ARM / FISHERS	P=0.585	(e)	(e)	(e)	P=0.500	(e)
MAX-ISO-POLY-3	P=0.377	(e)	(e)	(e)	P=0.158	(e)

Experiment Number: 10472 - 01
 Test Type: 90-DAY
 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 14 WEEKS**

DOSE	Females					
	CONTROL	125 ppm	250 ppm	500 ppm	1000 ppm	2000 ppm
Liver Necrosis						
LESION RATES						
OVERALL (a)	0/10 (0%)	0/10 (0%)	0/10 (0%)	0/10 (0%)	0/10 (0%)	0/10 (0%)
POLY-3 RATE (b)	0/10.00	0/10.00	0/10.00	0/10.00	0/10.00	0/9.11
POLY-3 PERCENT (g)	0%	0%	0%	0%	0%	0%
TERMINAL (d)	0/10 (0%)	0/10 (0%)	0/10 (0%)	0/10 (0%)	0/10 (0%)	0/9 (0%)
FIRST INCIDENCE	---	---	---	---	---	---
STATISTICAL TESTS						
POLY 3	(n)	(n)	(n)	(n)	(n)	(n)
POLY 1.5	(n)	(n)	(n)	(n)	(n)	(n)
POLY 6	(n)	(n)	(n)	(n)	(n)	(n)
COCH-ARM / FISHERS	(n)	(n)	(n)	(n)	(n)	(n)
MAX-ISO-POLY-3	(n)	(n)	(n)	(n)	(n)	(n)

Experiment Number: 10472 - 01
 Test Type: 90-DAY
 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 14 WEEKS**

DOSE	Females					
	CONTROL	125 ppm	250 ppm	500 ppm	1000 ppm	2000 ppm
Liver: Hepatocyte, Centrilobular Hypertrophy						
LESION RATES						
OVERALL (a)	0/10 (0%)	0/10 (0%)	0/10 (0%)	0/10 (0%)	10/10 (100%)	10/10 (100%)
POLY-3 RATE (b)	0/10.00	0/10.00	0/10.00	0/10.00	10/10.00	10/10.00
POLY-3 PERCENT (g)	0%	0%	0%	0%	100%	100%
TERMINAL (d)	0/10 (0%)	0/10 (0%)	0/10 (0%)	0/10 (0%)	10/10 (100%)	9/9 (100%)
FIRST INCIDENCE	---	---	---	---	94 (T)	45
STATISTICAL TESTS						
POLY 3	P<0.001**	(e)	(e)	(e)	P<0.001**	P<0.001**
POLY 1.5	P<0.001**	(e)	(e)	(e)	P<0.001**	P<0.001**
POLY 6	P<0.001**	(e)	(e)	(e)	P<0.001**	P<0.001**
COCH-ARM / FISHERS	P<0.001**	(e)	(e)	(e)	P<0.001**	P<0.001**
MAX-ISO-POLY-3	P<0.001**	(e)	(e)	(e)	(e)	(e)

Experiment Number: 10472 - 01
 Test Type: 90-DAY
 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: 08/05/2016
 Time Report Requested: 10:34:45
 First Dose M/F: 10/26/09 / 10/26/09
 Lab: BNW

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(HSD)
 TERMINAL SACRIFICE AT 14 WEEKS**

DOSE	Females					
	CONTROL	125 ppm	250 ppm	500 ppm	1000 ppm	2000 ppm
Lung Congestion						
LESION RATES						
OVERALL (a)	0/10 (0%)	0/0 (0%)	0/0 (0%)	0/0 (0%)	0/0 (0%)	0/10 (0%)
POLY-3 RATE (b)	0/10.00	0/0.00	0/0.00	0/0.00	0/0.00	0/9.11
POLY-3 PERCENT (g)	0%	0%	0%	0%	0%	0%
TERMINAL (d)	0/10 (0%)	0/0 (0%)	0/0 (0%)	0/0 (0%)	0/0 (0%)	0/9 (0%)
FIRST INCIDENCE	---	---	---	---	---	---
STATISTICAL TESTS						
POLY 3	(n)	(n)	(n)	(n)	(n)	(n)
POLY 1.5	(n)	(n)	(n)	(n)	(n)	(n)
POLY 6	(n)	(n)	(n)	(n)	(n)	(n)
COCH-ARM / FISHERS	(n)	(n)	(n)	(n)	(n)	(n)
MAX-ISO-POLY-3	(n)	(n)	(n)	(n)	(n)	(n)

Experiment Number: 10472 - 01
 Test Type: 90-DAY
 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: 08/05/2016
 Time Report Requested: 10:34:45
 First Dose M/F: 10/26/09 / 10/26/09
 Lab: BNW

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(HSD)
 TERMINAL SACRIFICE AT 14 WEEKS**

DOSE	Females					
	CONTROL	125 ppm	250 ppm	500 ppm	1000 ppm	2000 ppm
Lung						
Infiltration Cellular Focal Histiocyte						
LESION RATES						
OVERALL (a)	1/10 (10%)	0/0 (0%)	0/0 (0%)	0/0 (0%)	0/0 (0%)	1/10 (10%)
POLY-3 RATE (b)	1/10.00	0/0.00	0/0.00	0/0.00	0/0.00	1/9.11
POLY-3 PERCENT (g)	10%	0%	0%	0%	0%	11%
TERMINAL (d)	1/10 (10%)	0/0 (0%)	0/0 (0%)	0/0 (0%)	0/0 (0%)	1/9 (11%)
FIRST INCIDENCE	94 (T)	---	---	---	---	94 (T)
STATISTICAL TESTS						
POLY 3	(e)	(e)	(e)	(e)	(e)	P=0.740
POLY 1.5	(e)	(e)	(e)	(e)	(e)	P=0.745
POLY 6	(e)	(e)	(e)	(e)	(e)	P=0.737
COCH-ARM / FISHERS	P=0.645	(e)	(e)	(e)	(e)	P=0.763N
MAX-ISO-POLY-3	(e)	(e)	(e)	(e)	(e)	P=0.474

Experiment Number: 10472 - 01

Test Type: 90-DAY

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: 08/05/2016

Time Report Requested: 10:34:45

First Dose M/F: 10/26/09 / 10/26/09

Lab: BNW

STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(HSD)
TERMINAL SACRIFICE AT 14 WEEKS

DOSE	Females					
	CONTROL	125 ppm	250 ppm	500 ppm	1000 ppm	2000 ppm
Lung						
Inflammation Chronic						
LESION RATES						
OVERALL (a)	0/10 (0%)	0/0 (0%)	0/0 (0%)	0/0 (0%)	0/0 (0%)	1/10 (10%)
POLY-3 RATE (b)	0/10.00	0/0.00	0/0.00	0/0.00	0/0.00	1/10.00
POLY-3 PERCENT (g)	0%	0%	0%	0%	0%	10%
TERMINAL (d)	0/10 (0%)	0/0 (0%)	0/0 (0%)	0/0 (0%)	0/0 (0%)	0/9 (0%)
FIRST INCIDENCE	---	---	---	---	---	45
STATISTICAL TESTS						
POLY 3	(e)	(e)	(e)	(e)	(e)	P=0.500
POLY 1.5	(e)	(e)	(e)	(e)	(e)	P=0.500
POLY 6	(e)	(e)	(e)	(e)	(e)	P=0.500
COCH-ARM / FISHERS	P=0.304	(e)	(e)	(e)	(e)	P=0.500
MAX-ISO-POLY-3	(e)	(e)	(e)	(e)	(e)	P=0.158

Experiment Number: 10472 - 01
 Test Type: 90-DAY
 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: 08/05/2016
 Time Report Requested: 10:34:45
 First Dose M/F: 10/26/09 / 10/26/09
 Lab: BNW

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(HSD)
 TERMINAL SACRIFICE AT 14 WEEKS**

DOSE	Females					
	CONTROL	125 ppm	250 ppm	500 ppm	1000 ppm	2000 ppm
Lung						
Inflammation Chronic Focal						
LESION RATES						
OVERALL (a)	0/10 (0%)	0/0 (0%)	0/0 (0%)	0/0 (0%)	0/0 (0%)	0/10 (0%)
POLY-3 RATE (b)	0/10.00	0/0.00	0/0.00	0/0.00	0/0.00	0/9.11
POLY-3 PERCENT (g)	0%	0%	0%	0%	0%	0%
TERMINAL (d)	0/10 (0%)	0/0 (0%)	0/0 (0%)	0/0 (0%)	0/0 (0%)	0/9 (0%)
FIRST INCIDENCE	---	---	---	---	---	---
STATISTICAL TESTS						
POLY 3	(n)	(n)	(n)	(n)	(n)	(n)
POLY 1.5	(n)	(n)	(n)	(n)	(n)	(n)
POLY 6	(n)	(n)	(n)	(n)	(n)	(n)
COCH-ARM / FISHERS	(n)	(n)	(n)	(n)	(n)	(n)
MAX-ISO-POLY-3	(n)	(n)	(n)	(n)	(n)	(n)

Experiment Number: 10472 - 01
 Test Type: 90-DAY
 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: 08/05/2016
 Time Report Requested: 10:34:45
 First Dose M/F: 10/26/09 / 10/26/09
 Lab: BNW

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(HSD)
 TERMINAL SACRIFICE AT 14 WEEKS**

DOSE	Females					
	CONTROL	125 ppm	250 ppm	500 ppm	1000 ppm	2000 ppm
Lung						
Metaplasia Osseous						
LESION RATES						
OVERALL (a)	0/10 (0%)	0/0 (0%)	0/0 (0%)	0/0 (0%)	0/0 (0%)	1/10 (10%)
POLY-3 RATE (b)	0/10.00	0/0.00	0/0.00	0/0.00	0/0.00	1/9.11
POLY-3 PERCENT (g)	0%	0%	0%	0%	0%	11%
TERMINAL (d)	0/10 (0%)	0/0 (0%)	0/0 (0%)	0/0 (0%)	0/0 (0%)	1/9 (11%)
FIRST INCIDENCE	---	---	---	---	---	94 (T)
STATISTICAL TESTS						
POLY 3	(e)	(e)	(e)	(e)	(e)	P=0.481
POLY 1.5	(e)	(e)	(e)	(e)	(e)	P=0.486
POLY 6	(e)	(e)	(e)	(e)	(e)	P=0.479
COCH-ARM / FISHERS	P=0.304	(e)	(e)	(e)	(e)	P=0.500
MAX-ISO-POLY-3	(e)	(e)	(e)	(e)	(e)	P=0.157

Experiment Number: 10472 - 01
 Test Type: 90-DAY
 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: 08/05/2016
 Time Report Requested: 10:34:45
 First Dose M/F: 10/26/09 / 10/26/09
 Lab: BNW

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(HSD)
 TERMINAL SACRIFICE AT 14 WEEKS**

DOSE	Females					
	CONTROL	125 ppm	250 ppm	500 ppm	1000 ppm	2000 ppm
Lymph Node, Mandibular Congestion						
LESION RATES						
OVERALL (a)	0/10 (0%)	0/0 (0%)	0/0 (0%)	0/0 (0%)	0/0 (0%)	0/9 (0%)
POLY-3 RATE (b)	0/10.00	0/0.00	0/0.00	0/0.00	0/0.00	0/8.11
POLY-3 PERCENT (g)	0%	0%	0%	0%	0%	0%
TERMINAL (d)	0/10 (0%)	0/0 (0%)	0/0 (0%)	0/0 (0%)	0/0 (0%)	0/8 (0%)
FIRST INCIDENCE	---	---	---	---	---	---
STATISTICAL TESTS						
POLY 3	(n)	(n)	(n)	(n)	(n)	(n)
POLY 1.5	(n)	(n)	(n)	(n)	(n)	(n)
POLY 6	(n)	(n)	(n)	(n)	(n)	(n)
COCH-ARM / FISHERS	(n)	(n)	(n)	(n)	(n)	(n)
MAX-ISO-POLY-3	(n)	(n)	(n)	(n)	(n)	(n)

Experiment Number: 10472 - 01

Test Type: 90-DAY

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: 08/05/2016

Time Report Requested: 10:34:45

First Dose M/F: 10/26/09 / 10/26/09

Lab: BNW

STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(HSD)
TERMINAL SACRIFICE AT 14 WEEKS

DOSE	Females					
	CONTROL	125 ppm	250 ppm	500 ppm	1000 ppm	2000 ppm
Lymph Node: Lumbar Hyperplasia Lymphoid						
LESION RATES						
OVERALL (a)	0/0 (0%)	0/0 (0%)	0/0 (0%)	1/1 (100%)	0/0 (0%)	0/0 (0%)
POLY-3 RATE (b)	0/0.00	0/0.00	0/0.00	1/1.00	0/0.00	0/0.00
POLY-3 PERCENT (g)	0%	0%	0%	100%	0%	0%
TERMINAL (d)	0/0 (0%)	0/0 (0%)	0/0 (0%)	1/1 (100%)	0/0 (0%)	0/0 (0%)
FIRST INCIDENCE	---	---	---	94 (T)	---	---
STATISTICAL TESTS						
POLY 3	(e)	(e)	(e)	(e)	(e)	(e)
POLY 1.5	(e)	(e)	(e)	(e)	(e)	(e)
POLY 6	(e)	(e)	(e)	(e)	(e)	(e)
COCH-ARM / FISHERS	(e)	(e)	(e)	(e)	(e)	(e)
MAX-ISO-POLY-3	(e)	(e)	(e)	(e)	(e)	(e)

Experiment Number: 10472 - 01
 Test Type: 90-DAY
 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: 08/05/2016
 Time Report Requested: 10:34:45
 First Dose M/F: 10/26/09 / 10/26/09
 Lab: BNW

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(HSD)
 TERMINAL SACRIFICE AT 14 WEEKS**

DOSE	Females					
	CONTROL	125 ppm	250 ppm	500 ppm	1000 ppm	2000 ppm
Mammary Gland Hyperplasia						
LESION RATES						
OVERALL (a)	1/10 (10%)	0/10 (0%)	0/10 (0%)	4/10 (40%)	6/10 (60%)	10/10 (100%)
POLY-3 RATE (b)	1/10.00	0/10.00	0/10.00	4/10.00	6/10.00	10/10.00
POLY-3 PERCENT (g)	10%	0%	0%	40%	60%	100%
TERMINAL (d)	1/10 (10%)	0/10 (0%)	0/10 (0%)	4/10 (40%)	6/10 (60%)	9/9 (100%)
FIRST INCIDENCE	94 (T)	---	---	94 (T)	94 (T)	45
STATISTICAL TESTS						
POLY 3	P<0.001**	P=0.500N	P=0.500N	P=0.148	P=0.018*	P<0.001**
POLY 1.5	P<0.001**	P=0.500N	P=0.500N	P=0.148	P=0.018*	P<0.001**
POLY 6	P<0.001**	P=0.500N	P=0.500N	P=0.148	P=0.018*	P<0.001**
COCH-ARM / FISHERS	P<0.001**	P=0.500N	P=0.500N	P=0.152	P=0.029*	P<0.001**
MAX-ISO-POLY-3	P<0.001**	P=0.158N	P=0.158N	P=0.059	P=0.005**	P<0.001**

Experiment Number: 10472 - 01

Test Type: 90-DAY

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: 08/05/2016

Time Report Requested: 10:34:45

First Dose M/F: 10/26/09 / 10/26/09

Lab: BNW

STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(HSD)
TERMINAL SACRIFICE AT 14 WEEKS

DOSE	Females					
	CONTROL	125 ppm	250 ppm	500 ppm	1000 ppm	2000 ppm
Mesentery: Fat Necrosis						
LESION RATES						
OVERALL (a)	0/0 (0%)	0/0 (0%)	0/0 (0%)	0/0 (0%)	0/0 (0%)	1/1 (100%)
POLY-3 RATE (b)	0/0.00	0/0.00	0/0.00	0/0.00	0/0.00	1/1.00
POLY-3 PERCENT (g)	0%	0%	0%	0%	0%	100%
TERMINAL (d)	0/0 (0%)	0/0 (0%)	0/0 (0%)	0/0 (0%)	0/0 (0%)	1/1 (100%)
FIRST INCIDENCE	---	---	---	---	---	94 (T)
STATISTICAL TESTS						
POLY 3	(e)	(e)	(e)	(e)	(e)	(e)
POLY 1.5	(e)	(e)	(e)	(e)	(e)	(e)
POLY 6	(e)	(e)	(e)	(e)	(e)	(e)
COCH-ARM / FISHERS	(e)	(e)	(e)	(e)	(e)	(e)
MAX-ISO-POLY-3	(e)	(e)	(e)	(e)	(e)	(e)

Experiment Number: 10472 - 01
 Test Type: 90-DAY
 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: 08/05/2016

Time Report Requested: 10:34:45

First Dose M/F: 10/26/09 / 10/26/09

Lab: BNW

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(HSD)
 TERMINAL SACRIFICE AT 14 WEEKS**

DOSE	Females					
	CONTROL	125 ppm	250 ppm	500 ppm	1000 ppm	2000 ppm
Nose Erosion						
LESION RATES						
OVERALL (a)	1/10 (10%)	0/0 (0%)	0/0 (0%)	0/0 (0%)	0/0 (0%)	1/10 (10%)
POLY-3 RATE (b)	1/10.00	0/0.00	0/0.00	0/0.00	0/0.00	1/9.11
POLY-3 PERCENT (g)	10%	0%	0%	0%	0%	11%
TERMINAL (d)	1/10 (10%)	0/0 (0%)	0/0 (0%)	0/0 (0%)	0/0 (0%)	1/9 (11%)
FIRST INCIDENCE	94 (T)	---	---	---	---	94 (T)
STATISTICAL TESTS						
POLY 3	(e)	(e)	(e)	(e)	(e)	P=0.740
POLY 1.5	(e)	(e)	(e)	(e)	(e)	P=0.745
POLY 6	(e)	(e)	(e)	(e)	(e)	P=0.737
COCH-ARM / FISHERS	P=0.645	(e)	(e)	(e)	(e)	P=0.763N
MAX-ISO-POLY-3	(e)	(e)	(e)	(e)	(e)	P=0.474

Experiment Number: 10472 - 01
 Test Type: 90-DAY
 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: 08/05/2016
 Time Report Requested: 10:34:45
 First Dose M/F: 10/26/09 / 10/26/09
 Lab: BNW

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(HSD)
 TERMINAL SACRIFICE AT 14 WEEKS**

DOSE	Females					
	CONTROL	125 ppm	250 ppm	500 ppm	1000 ppm	2000 ppm
Nose: Olfactory Epithelium Accumulation, Hyaline Droplet						
LESION RATES						
OVERALL (a)	7/10 (70%)	0/0 (0%)	0/0 (0%)	0/0 (0%)	0/0 (0%)	6/10 (60%)
POLY-3 RATE (b)	7/10.00	0/0.00	0/0.00	0/0.00	0/0.00	6/9.11
POLY-3 PERCENT (g)	70%	0%	0%	0%	0%	65.9%
TERMINAL (d)	7/10 (70%)	0/0 (0%)	0/0 (0%)	0/0 (0%)	0/0 (0%)	6/9 (67%)
FIRST INCIDENCE	94 (T)	---	---	---	---	94 (T)
STATISTICAL TESTS						
POLY 3	(e)	(e)	(e)	(e)	(e)	P=0.612N
POLY 1.5	(e)	(e)	(e)	(e)	(e)	P=0.583N
POLY 6	(e)	(e)	(e)	(e)	(e)	P=0.624N
COCH-ARM / FISHERS	P=0.407N	(e)	(e)	(e)	(e)	P=0.500N
MAX-ISO-POLY-3	(e)	(e)	(e)	(e)	(e)	P=0.430N

Experiment Number: 10472 - 01

Test Type: 90-DAY

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: 08/05/2016

Time Report Requested: 10:34:45

First Dose M/F: 10/26/09 / 10/26/09

Lab: BNW

STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(HSD)
TERMINAL SACRIFICE AT 14 WEEKS

DOSE	Females					
	CONTROL	125 ppm	250 ppm	500 ppm	1000 ppm	2000 ppm
Ovary Cyst						
LESION RATES						
OVERALL (a)	0/10 (0%)	0/0 (0%)	1/1 (100%)	0/0 (0%)	0/0 (0%)	0/10 (0%)
POLY-3 RATE (b)	0/10.00	0/0.00	1/1.00	0/0.00	0/0.00	0/9.11
POLY-3 PERCENT (g)	0%	0%	100%	0%	0%	0%
TERMINAL (d)	0/10 (0%)	0/0 (0%)	1/1 (100%)	0/0 (0%)	0/0 (0%)	0/9 (0%)
FIRST INCIDENCE	---	---	94 (T)	---	---	---
STATISTICAL TESTS						
POLY 3	(e)	(e)	P=0.091	(e)	(e)	(e)
POLY 1.5	(e)	(e)	P=0.091	(e)	(e)	(e)
POLY 6	(e)	(e)	P=0.091	(e)	(e)	(e)
COCH-ARM / FISHERS	P=0.412N	(e)	P=0.091	(e)	(e)	(e)
MAX-ISO-POLY-3	(e)	(e)	P<0.001**	(e)	(e)	(e)

Experiment Number: 10472 - 01

Test Type: 90-DAY

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: 08/05/2016

Time Report Requested: 10:34:45

First Dose M/F: 10/26/09 / 10/26/09

Lab: BNW

STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(HSD)
TERMINAL SACRIFICE AT 14 WEEKS

DOSE	Females					
	CONTROL	125 ppm	250 ppm	500 ppm	1000 ppm	2000 ppm
Pancreas						
Infiltration Cellular Polymorphonuclear						
LESION RATES						
OVERALL (a)	0/10 (0%)	0/0 (0%)	0/0 (0%)	0/0 (0%)	0/0 (0%)	1/10 (10%)
POLY-3 RATE (b)	0/10.00	0/0.00	0/0.00	0/0.00	0/0.00	1/9.11
POLY-3 PERCENT (g)	0%	0%	0%	0%	0%	11%
TERMINAL (d)	0/10 (0%)	0/0 (0%)	0/0 (0%)	0/0 (0%)	0/0 (0%)	1/9 (11%)
FIRST INCIDENCE	---	---	---	---	---	94 (T)
STATISTICAL TESTS						
POLY 3	(e)	(e)	(e)	(e)	(e)	P=0.481
POLY 1.5	(e)	(e)	(e)	(e)	(e)	P=0.486
POLY 6	(e)	(e)	(e)	(e)	(e)	P=0.479
COCH-ARM / FISHERS	P=0.304	(e)	(e)	(e)	(e)	P=0.500
MAX-ISO-POLY-3	(e)	(e)	(e)	(e)	(e)	P=0.157

Experiment Number: 10472 - 01
 Test Type: 90-DAY
 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: 08/05/2016
 Time Report Requested: 10:34:45
 First Dose M/F: 10/26/09 / 10/26/09
 Lab: BNW

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(HSD)
 TERMINAL SACRIFICE AT 14 WEEKS**

DOSE	Females					
	CONTROL	125 ppm	250 ppm	500 ppm	1000 ppm	2000 ppm
Pancreas: Acinus Atrophy						
LESION RATES						
OVERALL (a)	0/10 (0%)	0/0 (0%)	0/0 (0%)	0/0 (0%)	0/0 (0%)	0/10 (0%)
POLY-3 RATE (b)	0/10.00	0/0.00	0/0.00	0/0.00	0/0.00	0/9.11
POLY-3 PERCENT (g)	0%	0%	0%	0%	0%	0%
TERMINAL (d)	0/10 (0%)	0/0 (0%)	0/0 (0%)	0/0 (0%)	0/0 (0%)	0/9 (0%)
FIRST INCIDENCE	---	---	---	---	---	---
STATISTICAL TESTS						
POLY 3	(n)	(n)	(n)	(n)	(n)	(n)
POLY 1.5	(n)	(n)	(n)	(n)	(n)	(n)
POLY 6	(n)	(n)	(n)	(n)	(n)	(n)
COCH-ARM / FISHERS	(n)	(n)	(n)	(n)	(n)	(n)
MAX-ISO-POLY-3	(n)	(n)	(n)	(n)	(n)	(n)

Experiment Number: 10472 - 01

Test Type: 90-DAY

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: 08/05/2016

Time Report Requested: 10:34:45

First Dose M/F: 10/26/09 / 10/26/09

Lab: BNW

STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(HSD)
TERMINAL SACRIFICE AT 14 WEEKS

DOSE	Females					
	CONTROL	125 ppm	250 ppm	500 ppm	1000 ppm	2000 ppm
Salivary Glands Atrophy						
LESION RATES						
OVERALL (a)	0/10 (0%)	0/0 (0%)	0/0 (0%)	0/0 (0%)	0/0 (0%)	1/10 (10%)
POLY-3 RATE (b)	0/10.00	0/0.00	0/0.00	0/0.00	0/0.00	1/10.00
POLY-3 PERCENT (g)	0%	0%	0%	0%	0%	10%
TERMINAL (d)	0/10 (0%)	0/0 (0%)	0/0 (0%)	0/0 (0%)	0/0 (0%)	0/9 (0%)
FIRST INCIDENCE	---	---	---	---	---	45
STATISTICAL TESTS						
POLY 3	(e)	(e)	(e)	(e)	(e)	P=0.500
POLY 1.5	(e)	(e)	(e)	(e)	(e)	P=0.500
POLY 6	(e)	(e)	(e)	(e)	(e)	P=0.500
COCH-ARM / FISHERS	P=0.304	(e)	(e)	(e)	(e)	P=0.500
MAX-ISO-POLY-3	(e)	(e)	(e)	(e)	(e)	P=0.158

Experiment Number: 10472 - 01
 Test Type: 90-DAY
 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: 08/05/2016
 Time Report Requested: 10:34:45
 First Dose M/F: 10/26/09 / 10/26/09
 Lab: BNW

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(HSD)
 TERMINAL SACRIFICE AT 14 WEEKS**

DOSE	Females					
	CONTROL	125 ppm	250 ppm	500 ppm	1000 ppm	2000 ppm
Thymus Atrophy						
LESION RATES						
OVERALL (a)	0/10 (0%)	0/10 (0%)	0/10 (0%)	0/10 (0%)	0/10 (0%)	1/10 (10%)
POLY-3 RATE (b)	0/10.00	0/10.00	0/10.00	0/10.00	0/10.00	1/10.00
POLY-3 PERCENT (g)	0%	0%	0%	0%	0%	10%
TERMINAL (d)	0/10 (0%)	0/10 (0%)	0/10 (0%)	0/10 (0%)	0/10 (0%)	0/9 (0%)
FIRST INCIDENCE	---	---	---	---	---	45
STATISTICAL TESTS						
POLY 3	P=0.107	(e)	(e)	(e)	(e)	P=0.500
POLY 1.5	P=0.107	(e)	(e)	(e)	(e)	P=0.500
POLY 6	P=0.107	(e)	(e)	(e)	(e)	P=0.500
COCH-ARM / FISHERS	P=0.105	(e)	(e)	(e)	(e)	P=0.500
MAX-ISO-POLY-3	P=0.074	(e)	(e)	(e)	(e)	P=0.158

Experiment Number: 10472 - 01
 Test Type: 90-DAY
 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: 08/05/2016
 Time Report Requested: 10:34:45
 First Dose M/F: 10/26/09 / 10/26/09
 Lab: BNW

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(HSD)
 TERMINAL SACRIFICE AT 14 WEEKS**

DOSE	Females					
	CONTROL	125 ppm	250 ppm	500 ppm	1000 ppm	2000 ppm
Tongue						
Inflammation Chronic						
LESION RATES						
OVERALL (a)	0/0 (0%)	0/0 (0%)	0/0 (0%)	0/0 (0%)	0/0 (0%)	1/1 (100%)
POLY-3 RATE (b)	0/0.00	0/0.00	0/0.00	0/0.00	0/0.00	1/1.00
POLY-3 PERCENT (g)	0%	0%	0%	0%	0%	100%
TERMINAL (d)	0/0 (0%)	0/0 (0%)	0/0 (0%)	0/0 (0%)	0/0 (0%)	0/0 (0%)
FIRST INCIDENCE	---	---	---	---	---	45
STATISTICAL TESTS						
POLY 3	(e)	(e)	(e)	(e)	(e)	(e)
POLY 1.5	(e)	(e)	(e)	(e)	(e)	(e)
POLY 6	(e)	(e)	(e)	(e)	(e)	(e)
COCH-ARM / FISHERS	(e)	(e)	(e)	(e)	(e)	(e)
MAX-ISO-POLY-3	(e)	(e)	(e)	(e)	(e)	(e)

Experiment Number: 10472 - 01
Test Type: 90-DAY
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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First Dose M/F: 10/26/09 / 10/26/09

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 ***