

Experiment Number: 20303 - 06
Test Type: CHRONIC
Route: RESPIRATORY EXPOSURE WHOLE BODY
Species/Strain: MICE/B6C3F1

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

Vinylidene chloride
CAS Number: 75-35-4

Date Report Requested: 03/26/2012
Time Report Requested: 12:00:38
First Dose M/F: 06/20/05 / 06/20/05
Lab: BNW

F2_M3

NTP Study Number: C20303
Lock Date: 05/19/2008
Cage Range: ALL
Date Range: ALL
Reasons For Removal: ALL
Removal Date Range: ALL
Treatment Groups: Include ALL
Study Gender: Both
TDMSE Version: 2.6.0.0_007
PWG Approval Date: NONE

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SUMMARY OF STATISTICALLY SIGNIFICANT (P<=.05) RESULTS IN THE ANALYSIS OF VINYLIDENE CHLORIDE

MALE MICE

Organ

Adrenal Cortex
Adrenal Medulla
Harderian Gland
Heart: Artery
Kidney

Kidney: Renal Tubule
Liver

Lung: Alveolus
Lymph Node, Mesenteric

Mesentery: Fat
Nose

Nose: Olfactory Epithelium

Nose: Turbinate
Spleen
Stomach, Forestomach

Urinary Bladder: Transitional Epithelium

FEMALE MICE

Organ

Adrenal Cortex
Heart
Kidney
Lung: Perivascular

Morphology

Hypertrophy
Hyperplasia
Hyperplasia
Inflammation Chronic
Cyst
Nephropathy
Hyperplasia
Basophilic Focus
Clear Cell Focus
Cyst
Necrosis
Infiltration Cellular Histiocyte
Angiectasis
Inflammation Granulomatous
Necrosis
Hyperostosis
Inflammation
Accumulation, Hyaline Droplet
Metaplasia Respiratory
Atrophy
Hematopoietic Cell Proliferation
Hyperplasia
Inflammation Chronic
Hyperplasia

Morphology

Hypertrophy
Thrombosis
Infarct
Nephropathy
Inflammation Chronic

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SUMMARY OF STATISTICALLY SIGNIFICANT ($P \leq .05$) RESULTS IN THE ANALYSIS OF VINYLIDENE CHLORIDE

Mammary Gland

Nose

Nose: Olfactory Epithelium

Nose: Respiratory Epithelium

Nose: Turbinate

Ovary

Spleen

Stomach, Forestomach

Stomach, Glandular

Uterus: Endometrium

Hyperplasia

Hyperostosis

Inflammation

Accumulation, Hyaline Droplet

Metaplasia Respiratory

Accumulation, Hyaline Droplet

Hyperplasia

Metaplasia

Necrosis

Atrophy

Cyst

Hematopoietic Cell Proliferation

Necrosis

Necrosis

Hyperplasia Cystic

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

DOSE	Males			
	Control	6.25 ppm	12.5 ppm	25 ppm
Adrenal Cortex Hyperplasia				
LESION RATES				
OVERALL (a)	5/50 (10%)	6/50 (12%)	5/50 (10%)	3/50 (6%)
POLY-3 RATE (b)	5/42.15	6/47.42	5/41.50	3/36.47
POLY-3 PERCENT (g)	11.9%	12.7%	12.1%	8.2%
TERMINAL (d)	4/29 (14%)	5/40 (13%)	5/32 (16%)	3/19 (16%)
FIRST INCIDENCE	719	680	729 (T)	729 (T)
STATISTICAL TESTS				
POLY 3	P=0.350N	P=0.582	P=0.622	P=0.438N
POLY 1.5	P=0.301N	P=0.548	P=0.623	P=0.400N
POLY 6	P=0.420N	P=0.624	P=0.625	P=0.497N
COCH-ARM / FISHERS	P=0.244N	P=0.500	P=0.630N	P=0.357N
MAX-ISO-POLY-3	P=0.488N	P=0.456	P=0.489	P=0.311N

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

DOSE	Males			
	Control	6.25 ppm	12.5 ppm	25 ppm
Adrenal Cortex Hypertrophy				
LESION RATES				
OVERALL (a)	18/50 (36%)	11/50 (22%)	12/50 (24%)	10/50 (20%)
POLY-3 RATE (b)	18/43.01	11/47.46	12/42.42	10/37.92
POLY-3 PERCENT (g)	41.9%	23.2%	28.3%	26.4%
TERMINAL (d)	15/29 (52%)	9/40 (23%)	10/32 (31%)	5/19 (26%)
FIRST INCIDENCE	535	680	509	537
STATISTICAL TESTS				
POLY 3	P=0.151N	P=0.044N*	P=0.134N	P=0.103N
POLY 1.5	P=0.112N	P=0.061N	P=0.137N	P=0.079N
POLY 6	P=0.214N	P=0.028N*	P=0.125N	P=0.151N
COCH-ARM / FISHERS	P=0.073N	P=0.093N	P=0.138N	P=0.059N
MAX-ISO-POLY-3	P=0.112N	P=0.032N*	P=0.092N	P=0.078N

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

DOSE	Males			
	Control	6.25 ppm	12.5 ppm	25 ppm
Adrenal Medulla Hyperplasia				
LESION RATES				
OVERALL (a)	0/50 (0%)	3/50 (6%)	2/50 (4%)	3/50 (6%)
POLY-3 RATE (b)	0/42.11	3/47.55	2/42.59	3/37.49
POLY-3 PERCENT (g)	0%	6.3%	4.7%	8%
TERMINAL (d)	0/29 (0%)	2/40 (5%)	0/32 (0%)	1/19 (5%)
FIRST INCIDENCE	---	639	514	563
STATISTICAL TESTS				
POLY 3	P=0.125	P=0.142	P=0.239	P=0.098
POLY 1.5	P=0.142	P=0.132	P=0.238	P=0.107
POLY 6	P=0.104	P=0.156	P=0.244	P=0.087
COCH-ARM / FISHERS	P=0.165	P=0.121	P=0.247	P=0.121
MAX-ISO-POLY-3	P=0.097	P=0.058	P=0.078	P=0.037*

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

DOSE	Males			
	Control	6.25 ppm	12.5 ppm	25 ppm
Bone Marrow: Myeloid Cell Hyperplasia				
LESION RATES				
OVERALL (a)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
POLY-3 RATE (b)	0/42.11	0/47.23	0/41.50	0/36.47
POLY-3 PERCENT (g)	0%	0%	0%	0%
TERMINAL (d)	0/29 (0%)	0/40 (0%)	0/32 (0%)	0/19 (0%)
FIRST INCIDENCE	---	---	---	---
STATISTICAL TESTS				
POLY 3	(n)	(n)	(n)	(n)
POLY 1.5	(n)	(n)	(n)	(n)
POLY 6	(n)	(n)	(n)	(n)
COCH-ARM / FISHERS	(n)	(n)	(n)	(n)
MAX-ISO-POLY-3	(n)	(n)	(n)	(n)

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

DOSE	Males			
	Control	6.25 ppm	12.5 ppm	25 ppm
Harderian Gland Hyperplasia				
LESION RATES				
OVERALL (a)	0/50 (0%)	2/50 (4%)	3/50 (6%)	1/50 (2%)
POLY-3 RATE (b)	0/42.11	2/47.23	3/41.50	1/36.95
POLY-3 PERCENT (g)	0%	4.2%	7.2%	2.7%
TERMINAL (d)	0/29 (0%)	2/40 (5%)	3/32 (9%)	0/19 (0%)
FIRST INCIDENCE	---	729 (T)	729 (T)	589
STATISTICAL TESTS				
POLY 3	P=0.351	P=0.264	P=0.115	P=0.474
POLY 1.5	P=0.393	P=0.253	P=0.116	P=0.486
POLY 6	P=0.293	P=0.278	P=0.116	P=0.457
COCH-ARM / FISHERS	P=0.444	P=0.247	P=0.121	P=0.500
MAX-ISO-POLY-3	P=0.215	P=0.101	P=0.038*	P=0.158

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TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Males			
	Control	6.25 ppm	12.5 ppm	25 ppm
Harderian Gland Inflammation Chronic				
LESION RATES				
OVERALL (a)	0/50 (0%)	2/50 (4%)	0/50 (0%)	0/50 (0%)
POLY-3 RATE (b)	0/42.11	2/47.23	0/41.50	0/36.47
POLY-3 PERCENT (g)	0%	4.2%	0%	0%
TERMINAL (d)	0/29 (0%)	2/40 (5%)	0/32 (0%)	0/19 (0%)
FIRST INCIDENCE	---	729 (T)	---	---
STATISTICAL TESTS				
POLY 3	P=0.415N	P=0.264	(e)	(e)
POLY 1.5	P=0.409N	P=0.253	(e)	(e)
POLY 6	P=0.422N	P=0.278	(e)	(e)
COCH-ARM / FISHERS	P=0.405N	P=0.247	(e)	(e)
MAX-ISO-POLY-3	P=0.331N	P=0.101	(e)	(e)

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 TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Males			
	Control	6.25 ppm	12.5 ppm	25 ppm
Heart				
Cardiomyopathy				
LESION RATES				
OVERALL (a)	11/50 (22%)	10/50 (20%)	12/50 (24%)	13/50 (26%)
POLY-3 RATE (b)	11/43.61	10/47.23	12/43.54	13/40.27
POLY-3 PERCENT (g)	25.2%	21.2%	27.6%	32.3%
TERMINAL (d)	6/29 (21%)	10/40 (25%)	8/32 (25%)	5/19 (26%)
FIRST INCIDENCE	550	729 (T)	428	425
STATISTICAL TESTS				
POLY 3	P=0.197	P=0.418N	P=0.498	P=0.316
POLY 1.5	P=0.243	P=0.450N	P=0.498	P=0.360
POLY 6	P=0.143	P=0.384N	P=0.501	P=0.251
COCH-ARM / FISHERS	P=0.305	P=0.500N	P=0.500	P=0.408
MAX-ISO-POLY-3	P=0.295	P=0.330N	P=0.400	P=0.244

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

DOSE	Males			
	Control	6.25 ppm	12.5 ppm	25 ppm
Heart Mineralization				
LESION RATES				
OVERALL (a)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
POLY-3 RATE (b)	0/42.11	0/47.23	0/41.50	0/36.47
POLY-3 PERCENT (g)	0%	0%	0%	0%
TERMINAL (d)	0/29 (0%)	0/40 (0%)	0/32 (0%)	0/19 (0%)
FIRST INCIDENCE	---	---	---	---
STATISTICAL TESTS				
POLY 3	(n)	(n)	(n)	(n)
POLY 1.5	(n)	(n)	(n)	(n)
POLY 6	(n)	(n)	(n)	(n)
COCH-ARM / FISHERS	(n)	(n)	(n)	(n)
MAX-ISO-POLY-3	(n)	(n)	(n)	(n)

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

DOSE	Males			
	Control	6.25 ppm	12.5 ppm	25 ppm
Heart Thrombosis				
LESION RATES				
OVERALL (a)	0/50 (0%)	0/50 (0%)	2/50 (4%)	1/50 (2%)
POLY-3 RATE (b)	0/42.11	0/47.23	2/42.24	1/36.82
POLY-3 PERCENT (g)	0%	0%	4.7%	2.7%
TERMINAL (d)	0/29 (0%)	0/40 (0%)	0/32 (0%)	0/19 (0%)
FIRST INCIDENCE	---	---	599	633
STATISTICAL TESTS				
POLY 3	P=0.182	(e)	P=0.238	P=0.473
POLY 1.5	P=0.209	(e)	P=0.236	P=0.485
POLY 6	P=0.148	(e)	P=0.241	P=0.456
COCH-ARM / FISHERS	P=0.246	(e)	P=0.247	P=0.500
MAX-ISO-POLY-3	P=0.200	(e)	P=0.076	P=0.158

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

DOSE	Males			
	Control	6.25 ppm	12.5 ppm	25 ppm
Heart: Artery				
Inflammation Chronic				
LESION RATES				
OVERALL (a)	0/50 (0%)	0/50 (0%)	1/50 (2%)	2/50 (4%)
POLY-3 RATE (b)	0/42.11	0/47.23	1/42.33	2/37.01
POLY-3 PERCENT (g)	0%	0%	2.4%	5.4%
TERMINAL (d)	0/29 (0%)	0/40 (0%)	0/32 (0%)	0/19 (0%)
FIRST INCIDENCE	---	---	404	601
STATISTICAL TESTS				
POLY 3	P=0.053	(e)	P=0.501	P=0.209
POLY 1.5	P=0.060	(e)	P=0.500	P=0.222
POLY 6	P=0.044*	(e)	P=0.503	P=0.192
COCH-ARM / FISHERS	P=0.070	(e)	P=0.500	P=0.247
MAX-ISO-POLY-3	P=0.077	(e)	P=0.160	P=0.075

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TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Males			
	Control	6.25 ppm	12.5 ppm	25 ppm
Intestine Large, Cecum Necrosis				
LESION RATES				
OVERALL (a)	0/47 (0%)	0/48 (0%)	0/48 (0%)	0/40 (0%)
POLY-3 RATE (b)	0/41.26	0/45.79	0/40.06	0/31.08
POLY-3 PERCENT (g)	0%	0%	0%	0%
TERMINAL (d)	0/29 (0%)	0/40 (0%)	0/32 (0%)	0/18 (0%)
FIRST INCIDENCE	---	---	---	---
STATISTICAL TESTS				
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	6.25 ppm	12.5 ppm	25 ppm
Intestine Small, Ileum Hyperplasia				
LESION RATES				
OVERALL (a)	0/44 (0%)	0/47 (0%)	1/47 (2%)	0/39 (0%)
POLY-3 RATE (b)	0/39.56	0/45.06	1/39.38	0/30.47
POLY-3 PERCENT (g)	0%	0%	2.5%	0%
TERMINAL (d)	0/29 (0%)	0/40 (0%)	1/32 (3%)	0/18 (0%)
FIRST INCIDENCE	---	---	729 (T)	---
STATISTICAL TESTS				
POLY 3	(n)	(n)	(n)	(n)
POLY 1.5	(n)	(n)	(n)	(n)
POLY 6	(n)	(n)	(n)	(n)
COCH-ARM / FISHERS	(n)	(n)	(n)	(n)
MAX-ISO-POLY-3	(n)	(n)	(n)	(n)

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

DOSE	Males			
	Control	6.25 ppm	12.5 ppm	25 ppm
Islets, Pancreatic Hyperplasia				
LESION RATES				
OVERALL (a)	3/50 (6%)	4/49 (8%)	4/49 (8%)	2/49 (4%)
POLY-3 RATE (b)	3/42.11	4/46.55	4/42.09	2/36.18
POLY-3 PERCENT (g)	7.1%	8.6%	9.5%	5.5%
TERMINAL (d)	3/29 (10%)	4/40 (10%)	3/32 (9%)	0/19 (0%)
FIRST INCIDENCE	729 (T)	729 (T)	428	633
STATISTICAL TESTS				
POLY 3	P=0.468N	P=0.554	P=0.500	P=0.569N
POLY 1.5	P=0.428N	P=0.527	P=0.495	P=0.542N
POLY 6	P=0.521N	P=0.588	P=0.508	P=0.606N
COCH-ARM / FISHERS	P=0.376N	P=0.489	P=0.489	P=0.510N
MAX-ISO-POLY-3	P=0.532N	P=0.403	P=0.347	P=0.393N

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

DOSE	Males			
	Control	6.25 ppm	12.5 ppm	25 ppm
Kidney Cyst				
LESION RATES				
OVERALL (a)	1/50 (2%)	1/50 (2%)	5/50 (10%)	7/50 (14%)
POLY-3 RATE (b)	1/42.11	1/47.23	5/41.94	7/38.37
POLY-3 PERCENT (g)	2.4%	2.1%	11.9%	18.2%
TERMINAL (d)	1/29 (3%)	1/40 (3%)	4/32 (13%)	4/19 (21%)
FIRST INCIDENCE	729 (T)	729 (T)	600	425
STATISTICAL TESTS				
POLY 3	P=0.002**	P=0.734N	P=0.099	P=0.020*
POLY 1.5	P=0.003**	P=0.745N	P=0.099	P=0.025*
POLY 6	P<0.001**	P=0.720N	P=0.101	P=0.015*
COCH-ARM / FISHERS	P=0.006**	P=0.753N	P=0.102	P=0.030*
MAX-ISO-POLY-3	P=0.004**	P=0.468N	P=0.043*	P=0.010**

Experiment Number: 20303 - 06
 Test Type: CHRONIC
 Route: RESPIRATORY EXPOSURE WHOLE BODY
 Species/Strain: MICE/B6C3F1

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

Vinylidene chloride
 CAS Number: 75-35-4

Date Report Requested: 03/26/2012
 Time Report Requested: 12:00:38
 First Dose M/F: 06/20/05 / 06/20/05
 Lab: BNW

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

DOSE	Males			
	Control	6.25 ppm	12.5 ppm	25 ppm
Kidney				
Hydronephrosis				
LESION RATES				
OVERALL (a)	2/50 (4%)	0/50 (0%)	1/50 (2%)	3/50 (6%)
POLY-3 RATE (b)	2/42.72	0/47.23	1/41.80	3/37.04
POLY-3 PERCENT (g)	4.7%	0%	2.4%	8.1%
TERMINAL (d)	0/29 (0%)	0/40 (0%)	0/32 (0%)	1/19 (5%)
FIRST INCIDENCE	589	---	648	589
STATISTICAL TESTS				
POLY 3	P=0.197	P=0.216N	P=0.508N	P=0.435
POLY 1.5	P=0.215	P=0.224N	P=0.506N	P=0.465
POLY 6	P=0.178	P=0.206N	P=0.507N	P=0.392
COCH-ARM / FISHERS	P=0.242	P=0.247N	P=0.500N	P=0.500
MAX-ISO-POLY-3	P=0.158	P=0.076N	P=0.289N	P=0.281

Experiment Number: 20303 - 06
 Test Type: CHRONIC
 Route: RESPIRATORY EXPOSURE WHOLE BODY
 Species/Strain: MICE/B6C3F1

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

Vinylidene chloride
 CAS Number: 75-35-4

Date Report Requested: 03/26/2012
 Time Report Requested: 12:00:38
 First Dose M/F: 06/20/05 / 06/20/05
 Lab: BNW

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

DOSE	Males			
	Control	6.25 ppm	12.5 ppm	25 ppm
Kidney Infarct				
LESION RATES				
OVERALL (a)	2/50 (4%)	2/50 (4%)	2/50 (4%)	1/50 (2%)
POLY-3 RATE (b)	2/42.25	2/47.23	2/41.50	1/36.57
POLY-3 PERCENT (g)	4.7%	4.2%	4.8%	2.7%
TERMINAL (d)	1/29 (3%)	2/40 (5%)	2/32 (6%)	0/19 (0%)
FIRST INCIDENCE	694	729 (T)	729 (T)	704
STATISTICAL TESTS				
POLY 3	P=0.439N	P=0.653N	P=0.688	P=0.550N
POLY 1.5	P=0.410N	P=0.670N	P=0.689	P=0.527N
POLY 6	P=0.477N	P=0.632N	P=0.689	P=0.584N
COCH-ARM / FISHERS	P=0.373N	P=0.691N	P=0.691N	P=0.500N
MAX-ISO-POLY-3	P=0.547N	P=0.456N	P=0.492	P=0.334N

Experiment Number: 20303 - 06
 Test Type: CHRONIC
 Route: RESPIRATORY EXPOSURE WHOLE BODY
 Species/Strain: MICE/B6C3F1

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

Vinylidene chloride
 CAS Number: 75-35-4

Date Report Requested: 03/26/2012
 Time Report Requested: 12:00:38
 First Dose M/F: 06/20/05 / 06/20/05
 Lab: BNW

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

DOSE	Males			
	Control	6.25 ppm	12.5 ppm	25 ppm
Kidney				
Metaplasia Osseous				
LESION RATES				
OVERALL (a)	2/50 (4%)	1/50 (2%)	1/50 (2%)	0/50 (0%)
POLY-3 RATE (b)	2/42.21	1/47.23	1/41.50	0/36.47
POLY-3 PERCENT (g)	4.7%	2.1%	2.4%	0%
TERMINAL (d)	1/29 (3%)	1/40 (3%)	1/32 (3%)	0/19 (0%)
FIRST INCIDENCE	704	729 (T)	729 (T)	---
STATISTICAL TESTS				
POLY 3	P=0.182N	P=0.461N	P=0.506N	P=0.271N
POLY 1.5	P=0.170N	P=0.477N	P=0.505N	P=0.255N
POLY 6	P=0.197N	P=0.441N	P=0.505N	P=0.296N
COCH-ARM / FISHERS	P=0.153N	P=0.500N	P=0.500N	P=0.247N
MAX-ISO-POLY-3	P=0.173N	P=0.259N	P=0.287N	P=0.107N

Experiment Number: 20303 - 06
 Test Type: CHRONIC
 Route: RESPIRATORY EXPOSURE WHOLE BODY
 Species/Strain: MICE/B6C3F1

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
 Vinylidene chloride
 CAS Number: 75-35-4

Date Report Requested: 03/26/2012
 Time Report Requested: 12:00:38
 First Dose M/F: 06/20/05 / 06/20/05
 Lab: BNW

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

DOSE	Males			
	Control	6.25 ppm	12.5 ppm	25 ppm
Kidney Nephropathy				
LESION RATES				
OVERALL (a)	44/50 (88%)	46/50 (92%)	37/50 (74%)	44/50 (88%)
POLY-3 RATE (b)	44/47.69	46/49.26	37/48.45	44/48.44
POLY-3 PERCENT (g)	92.3%	93.4%	76.4%	90.8%
TERMINAL (d)	28/29 (97%)	40/40 (100%)	24/32 (75%)	16/19 (84%)
FIRST INCIDENCE	443	521	404	425
STATISTICAL TESTS				
POLY 3	P=0.320N	P=0.580	P=0.023N*	P=0.551N
POLY 1.5	P=0.350N	P=0.483	P=0.035N*	P=0.591N
POLY 6	P=0.268N	P=0.699N	P=0.013N*	P=0.472N
COCH-ARM / FISHERS	P=0.380N	P=0.370	P=0.062N	P=0.620N
MAX-ISO-POLY-3	P=0.104N	P=0.404	P=0.011N*	P=0.390N

Experiment Number: 20303 - 06
Test Type: CHRONIC
Route: RESPIRATORY EXPOSURE WHOLE BODY
Species/Strain: MICE/B6C3F1

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

Vinylidene chloride
CAS Number: 75-35-4

Date Report Requested: 03/26/2012
Time Report Requested: 12:00:38
First Dose M/F: 06/20/05 / 06/20/05
Lab: BNW

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

DOSE	Males			
	Control	6.25 ppm	12.5 ppm	25 ppm
Kidney: Artery Inflammation Chronic				
LESION RATES				
OVERALL (a)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
POLY-3 RATE (b)	0/42.11	0/47.23	0/41.50	0/36.47
POLY-3 PERCENT (g)	0%	0%	0%	0%
TERMINAL (d)	0/29 (0%)	0/40 (0%)	0/32 (0%)	0/19 (0%)
FIRST INCIDENCE	---	---	---	---
STATISTICAL TESTS				
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: 20303 - 06
 Test Type: CHRONIC
 Route: RESPIRATORY EXPOSURE WHOLE BODY
 Species/Strain: MICE/B6C3F1

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
 Vinylidene chloride
 CAS Number: 75-35-4

Date Report Requested: 03/26/2012
 Time Report Requested: 12:00:38
 First Dose M/F: 06/20/05 / 06/20/05
 Lab: BNW

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

DOSE	Males			
	Control	6.25 ppm	12.5 ppm	25 ppm
Kidney: Renal Tubule Hyperplasia				
LESION RATES				
OVERALL (a)	0/50 (0%)	8/50 (16%)	22/50 (44%)	16/50 (32%)
POLY-3 RATE (b)	0/42.11	8/47.23	22/43.21	16/37.81
POLY-3 PERCENT (g)	0%	16.9%	50.9%	42.3%
TERMINAL (d)	0/29 (0%)	8/40 (20%)	18/32 (56%)	12/19 (63%)
FIRST INCIDENCE	---	729 (T)	570	527
STATISTICAL TESTS				
POLY 3	P<0.001**	P=0.006**	P<0.001**	P<0.001**
POLY 1.5	P<0.001**	P=0.005**	P<0.001**	P<0.001**
POLY 6	P<0.001**	P=0.008**	P<0.001**	P<0.001**
COCH-ARM / FISHERS	P<0.001**	P=0.003**	P<0.001**	P<0.001**
MAX-ISO-POLY-3	P<0.001**	P=0.003**	P<0.001**	P<0.001**

Experiment Number: 20303 - 06
 Test Type: CHRONIC
 Route: RESPIRATORY EXPOSURE WHOLE BODY
 Species/Strain: MICE/B6C3F1

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

Vinylidene chloride
 CAS Number: 75-35-4

Date Report Requested: 03/26/2012
 Time Report Requested: 12:00:38
 First Dose M/F: 06/20/05 / 06/20/05
 Lab: BNW

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

DOSE	Males			
	Control	6.25 ppm	12.5 ppm	25 ppm
Larynx				
Foreign Body				
LESION RATES				
OVERALL (a)	1/50 (2%)	0/50 (0%)	0/50 (0%)	2/49 (4%)
POLY-3 RATE (b)	1/42.72	0/47.23	0/41.50	2/36.17
POLY-3 PERCENT (g)	2.3%	0%	0%	5.5%
TERMINAL (d)	0/29 (0%)	0/40 (0%)	0/32 (0%)	0/18 (0%)
FIRST INCIDENCE	535	---	---	617
STATISTICAL TESTS				
POLY 3	P=0.214	P=0.480N	P=0.506N	P=0.442
POLY 1.5	P=0.224	P=0.488N	P=0.504N	P=0.465
POLY 6	P=0.204	P=0.470N	P=0.506N	P=0.410
COCH-ARM / FISHERS	P=0.241	P=0.500N	P=0.500N	P=0.492
MAX-ISO-POLY-3	P=0.119	P=0.158N	P=0.166N	P=0.249

Experiment Number: 20303 - 06
 Test Type: CHRONIC
 Route: RESPIRATORY EXPOSURE WHOLE BODY
 Species/Strain: MICE/B6C3F1

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
 Vinylidene chloride
 CAS Number: 75-35-4

Date Report Requested: 03/26/2012
 Time Report Requested: 12:00:38
 First Dose M/F: 06/20/05 / 06/20/05
 Lab: BNW

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

DOSE	Males			
	Control	6.25 ppm	12.5 ppm	25 ppm
Larynx Inflammation				
LESION RATES				
OVERALL (a)	1/50 (2%)	1/50 (2%)	0/50 (0%)	3/49 (6%)
POLY-3 RATE (b)	1/42.11	1/47.23	0/41.50	3/36.71
POLY-3 PERCENT (g)	2.4%	2.1%	0%	8.2%
TERMINAL (d)	1/29 (3%)	1/40 (3%)	0/32 (0%)	0/18 (0%)
FIRST INCIDENCE	729 (T)	729 (T)	---	470
STATISTICAL TESTS				
POLY 3	P=0.133	P=0.734N	P=0.503N	P=0.257
POLY 1.5	P=0.142	P=0.745N	P=0.502N	P=0.276
POLY 6	P=0.123	P=0.720N	P=0.502N	P=0.231
COCH-ARM / FISHERS	P=0.155	P=0.753N	P=0.500N	P=0.301
MAX-ISO-POLY-3	P=0.088	P=0.468N	P=0.162N	P=0.136

Experiment Number: 20303 - 06
Test Type: CHRONIC
Route: RESPIRATORY EXPOSURE WHOLE BODY
Species/Strain: MICE/B6C3F1

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

Vinylidene chloride
CAS Number: 75-35-4

Date Report Requested: 03/26/2012
Time Report Requested: 12:00:38
First Dose M/F: 06/20/05 / 06/20/05
Lab: BNW

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

DOSE	Males			
	Control	6.25 ppm	12.5 ppm	25 ppm
<hr/>				
Larynx Metaplasia				
<hr/>				
LESION RATES				
OVERALL (a)	1/50 (2%)	0/50 (0%)	0/50 (0%)	1/49 (2%)
POLY-3 RATE (b)	1/42.11	0/47.23	0/41.50	1/35.78
POLY-3 PERCENT (g)	2.4%	0%	0%	2.8%
TERMINAL (d)	1/29 (3%)	0/40 (0%)	0/32 (0%)	0/18 (0%)
FIRST INCIDENCE	729 (T)	---	---	645
<hr/>				
STATISTICAL TESTS				
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: 20303 - 06
Test Type: CHRONIC
Route: RESPIRATORY EXPOSURE WHOLE BODY
Species/Strain: MICE/B6C3F1

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

Vinylidene chloride

CAS Number: 75-35-4

Date Report Requested: 03/26/2012

Time Report Requested: 12:00:38

First Dose M/F: 06/20/05 / 06/20/05

Lab: BNW

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

DOSE	Males			
	Control	6.25 ppm	12.5 ppm	25 ppm
<hr/>				
Liver				
Angiectasis				
<hr/>				
LESION RATES				
OVERALL (a)	1/50 (2%)	1/50 (2%)	0/50 (0%)	0/50 (0%)
POLY-3 RATE (b)	1/42.11	1/47.86	0/41.50	0/36.47
POLY-3 PERCENT (g)	2.4%	2.1%	0%	0%
TERMINAL (d)	1/29 (3%)	0/40 (0%)	0/32 (0%)	0/19 (0%)
FIRST INCIDENCE	729 (T)	521	---	---
<hr/>				
STATISTICAL TESTS				
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: 20303 - 06
 Test Type: CHRONIC
 Route: RESPIRATORY EXPOSURE WHOLE BODY
 Species/Strain: MICE/B6C3F1

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
 Vinylidene chloride
 CAS Number: 75-35-4

Date Report Requested: 03/26/2012
 Time Report Requested: 12:00:38
 First Dose M/F: 06/20/05 / 06/20/05
 Lab: BNW

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

DOSE	Males			
	Control	6.25 ppm	12.5 ppm	25 ppm
Liver				
Basophilic Focus				
LESION RATES				
OVERALL (a)	2/50 (4%)	4/50 (8%)	2/50 (4%)	7/50 (14%)
POLY-3 RATE (b)	2/42.35	4/47.53	2/42.15	7/36.88
POLY-3 PERCENT (g)	4.7%	8.4%	4.7%	19%
TERMINAL (d)	0/29 (0%)	2/40 (5%)	1/32 (3%)	5/19 (26%)
FIRST INCIDENCE	694	680	514	645
STATISTICAL TESTS				
POLY 3	P=0.034*	P=0.392	P=0.693	P=0.048*
POLY 1.5	P=0.042*	P=0.369	P=0.692	P=0.061
POLY 6	P=0.026*	P=0.421	P=0.694N	P=0.034*
COCH-ARM / FISHERS	P=0.056	P=0.339	P=0.691N	P=0.080
MAX-ISO-POLY-3	P=0.032*	P=0.256	P=0.497	P=0.029*

Experiment Number: 20303 - 06
 Test Type: CHRONIC
 Route: RESPIRATORY EXPOSURE WHOLE BODY
 Species/Strain: MICE/B6C3F1

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

Vinylidene chloride
 CAS Number: 75-35-4

Date Report Requested: 03/26/2012
 Time Report Requested: 12:00:38
 First Dose M/F: 06/20/05 / 06/20/05
 Lab: BNW

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

DOSE	Males			
	Control	6.25 ppm	12.5 ppm	25 ppm
Liver				
Clear Cell Focus				
LESION RATES				
OVERALL (a)	16/50 (32%)	11/50 (22%)	10/50 (20%)	8/50 (16%)
POLY-3 RATE (b)	16/42.11	11/47.23	10/42.02	8/36.61
POLY-3 PERCENT (g)	38%	23.3%	23.8%	21.9%
TERMINAL (d)	16/29 (55%)	11/40 (28%)	9/32 (28%)	7/19 (37%)
FIRST INCIDENCE	729 (T)	729 (T)	570	693
STATISTICAL TESTS				
POLY 3	P=0.101N	P=0.098N	P=0.116N	P=0.090N
POLY 1.5	P=0.072N	P=0.130N	P=0.123N	P=0.067N
POLY 6	P=0.150N	P=0.066N	P=0.102N	P=0.137N
COCH-ARM / FISHERS	P=0.046N*	P=0.184N	P=0.127N	P=0.050N*
MAX-ISO-POLY-3	P=0.108N	P=0.073N	P=0.075N	P=0.067N

Experiment Number: 20303 - 06
 Test Type: CHRONIC
 Route: RESPIRATORY EXPOSURE WHOLE BODY
 Species/Strain: MICE/B6C3F1

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

Vinylidene chloride
 CAS Number: 75-35-4

Date Report Requested: 03/26/2012
 Time Report Requested: 12:00:38
 First Dose M/F: 06/20/05 / 06/20/05
 Lab: BNW

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

DOSE	Males			
	Control	6.25 ppm	12.5 ppm	25 ppm
Liver Cyst				
LESION RATES				
OVERALL (a)	0/50 (0%)	0/50 (0%)	2/50 (4%)	2/50 (4%)
POLY-3 RATE (b)	0/42.11	0/47.23	2/41.50	2/36.47
POLY-3 PERCENT (g)	0%	0%	4.8%	5.5%
TERMINAL (d)	0/29 (0%)	0/40 (0%)	2/32 (6%)	2/19 (11%)
FIRST INCIDENCE	---	---	729 (T)	729 (T)
STATISTICAL TESTS				
POLY 3	P=0.057	(e)	P=0.234	P=0.206
POLY 1.5	P=0.069	(e)	P=0.234	P=0.220
POLY 6	P=0.044*	(e)	P=0.234	P=0.187
COCH-ARM / FISHERS	P=0.086	(e)	P=0.247	P=0.247
MAX-ISO-POLY-3	P=0.089	(e)	P=0.076	P=0.075

Experiment Number: 20303 - 06
 Test Type: CHRONIC
 Route: RESPIRATORY EXPOSURE WHOLE BODY
 Species/Strain: MICE/B6C3F1

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
 Vinylidene chloride
 CAS Number: 75-35-4

Date Report Requested: 03/26/2012
 Time Report Requested: 12:00:38
 First Dose M/F: 06/20/05 / 06/20/05
 Lab: BNW

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

DOSE	Males			
	Control	6.25 ppm	12.5 ppm	25 ppm
Liver				
Eosinophilic Focus				
LESION RATES				
OVERALL (a)	9/50 (18%)	7/50 (14%)	4/50 (8%)	6/50 (12%)
POLY-3 RATE (b)	9/43.39	7/47.23	4/42.02	6/37.30
POLY-3 PERCENT (g)	20.7%	14.8%	9.5%	16.1%
TERMINAL (d)	5/29 (17%)	7/40 (18%)	3/32 (9%)	4/19 (21%)
FIRST INCIDENCE	589	729 (T)	570	584
STATISTICAL TESTS				
POLY 3	P=0.311N	P=0.322N	P=0.125N	P=0.402N
POLY 1.5	P=0.269N	P=0.350N	P=0.122N	P=0.347N
POLY 6	P=0.367N	P=0.293N	P=0.127N	P=0.487N
COCH-ARM / FISHERS	P=0.217N	P=0.393N	P=0.117N	P=0.288N
MAX-ISO-POLY-3	P=0.290N	P=0.240N	P=0.076N	P=0.309N

Experiment Number: 20303 - 06
Test Type: CHRONIC
Route: RESPIRATORY EXPOSURE WHOLE BODY
Species/Strain: MICE/B6C3F1

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

Vinylidene chloride
CAS Number: 75-35-4

Date Report Requested: 03/26/2012
Time Report Requested: 12:00:38
First Dose M/F: 06/20/05 / 06/20/05
Lab: BNW

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

DOSE	Males			
	Control	6.25 ppm	12.5 ppm	25 ppm
<hr/>				
Liver				
Fatty Change				
<hr/>				
LESION RATES				
OVERALL (a)	1/50 (2%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
POLY-3 RATE (b)	1/42.72	0/47.23	0/41.50	0/36.47
POLY-3 PERCENT (g)	2.3%	0%	0%	0%
TERMINAL (d)	0/29 (0%)	0/40 (0%)	0/32 (0%)	0/19 (0%)
FIRST INCIDENCE	535	---	---	---
<hr/>				
STATISTICAL TESTS				
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: 20303 - 06
Test Type: CHRONIC
Route: RESPIRATORY EXPOSURE WHOLE BODY
Species/Strain: MICE/B6C3F1

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

Vinylidene chloride
CAS Number: 75-35-4

Date Report Requested: 03/26/2012
Time Report Requested: 12:00:38
First Dose M/F: 06/20/05 / 06/20/05
Lab: BNW

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

DOSE	Males			
	Control	6.25 ppm	12.5 ppm	25 ppm
<hr/>				
Liver Inflammation Chronic				
<hr/>				
LESION RATES				
OVERALL (a)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
POLY-3 RATE (b)	0/42.11	0/47.23	0/41.50	0/36.47
POLY-3 PERCENT (g)	0%	0%	0%	0%
TERMINAL (d)	0/29 (0%)	0/40 (0%)	0/32 (0%)	0/19 (0%)
FIRST INCIDENCE	---	---	---	---
<hr/>				
STATISTICAL TESTS				
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: 20303 - 06
 Test Type: CHRONIC
 Route: RESPIRATORY EXPOSURE WHOLE BODY
 Species/Strain: MICE/B6C3F1

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

Vinylidene chloride
 CAS Number: 75-35-4

Date Report Requested: 03/26/2012
 Time Report Requested: 12:00:38
 First Dose M/F: 06/20/05 / 06/20/05
 Lab: BNW

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

DOSE	Males			
	Control	6.25 ppm	12.5 ppm	25 ppm
Liver				
Mixed Cell Focus				
LESION RATES				
OVERALL (a)	2/50 (4%)	2/50 (4%)	1/50 (2%)	1/50 (2%)
POLY-3 RATE (b)	2/42.11	2/47.23	1/41.50	1/36.47
POLY-3 PERCENT (g)	4.8%	4.2%	2.4%	2.7%
TERMINAL (d)	2/29 (7%)	2/40 (5%)	1/32 (3%)	1/19 (5%)
FIRST INCIDENCE	729 (T)	729 (T)	729 (T)	729 (T)
STATISTICAL TESTS				
POLY 3	P=0.384N	P=0.652N	P=0.505N	P=0.550N
POLY 1.5	P=0.364N	P=0.669N	P=0.504N	P=0.527N
POLY 6	P=0.408N	P=0.630N	P=0.503N	P=0.584N
COCH-ARM / FISHERS	P=0.337N	P=0.691N	P=0.500N	P=0.500N
MAX-ISO-POLY-3	P=0.511N	P=0.455N	P=0.286N	P=0.334N

Experiment Number: 20303 - 06
 Test Type: CHRONIC
 Route: RESPIRATORY EXPOSURE WHOLE BODY
 Species/Strain: MICE/B6C3F1

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
 Vinylidene chloride
 CAS Number: 75-35-4

Date Report Requested: 03/26/2012
 Time Report Requested: 12:00:38
 First Dose M/F: 06/20/05 / 06/20/05
 Lab: BNW

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

DOSE	Males			
	Control	6.25 ppm	12.5 ppm	25 ppm
Liver				
Necrosis				
LESION RATES				
OVERALL (a)	5/50 (10%)	1/50 (2%)	2/50 (4%)	6/50 (12%)
POLY-3 RATE (b)	5/44.52	1/47.23	2/41.80	6/39.59
POLY-3 PERCENT (g)	11.2%	2.1%	4.8%	15.2%
TERMINAL (d)	0/29 (0%)	1/40 (3%)	1/32 (3%)	1/19 (5%)
FIRST INCIDENCE	488	729 (T)	648	425
STATISTICAL TESTS				
POLY 3	P=0.201	P=0.088N	P=0.242N	P=0.418
POLY 1.5	P=0.223	P=0.094N	P=0.233N	P=0.456
POLY 6	P=0.176	P=0.082N	P=0.250N	P=0.361
COCH-ARM / FISHERS	P=0.256	P=0.102N	P=0.218N	P=0.500
MAX-ISO-POLY-3	P=0.117	P=0.042N*	P=0.144N	P=0.308

Experiment Number: 20303 - 06
 Test Type: CHRONIC
 Route: RESPIRATORY EXPOSURE WHOLE BODY
 Species/Strain: MICE/B6C3F1

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

Vinylidene chloride
 CAS Number: 75-35-4

Date Report Requested: 03/26/2012
 Time Report Requested: 12:00:38
 First Dose M/F: 06/20/05 / 06/20/05
 Lab: BNW

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

DOSE	Males			
	Control	6.25 ppm	12.5 ppm	25 ppm
Lung				
Inflammation Chronic				
LESION RATES				
OVERALL (a)	2/50 (4%)	1/50 (2%)	3/50 (6%)	1/50 (2%)
POLY-3 RATE (b)	2/42.11	1/47.23	3/41.50	1/36.47
POLY-3 PERCENT (g)	4.8%	2.1%	7.2%	2.7%
TERMINAL (d)	2/29 (7%)	1/40 (3%)	3/32 (9%)	1/19 (5%)
FIRST INCIDENCE	729 (T)	729 (T)	729 (T)	729 (T)
STATISTICAL TESTS				
POLY 3	P=0.558N	P=0.460N	P=0.493	P=0.550N
POLY 1.5	P=0.522N	P=0.477N	P=0.495	P=0.527N
POLY 6	P=0.567	P=0.440N	P=0.496	P=0.584N
COCH-ARM / FISHERS	P=0.474N	P=0.500N	P=0.500	P=0.500N
MAX-ISO-POLY-3	P=0.546N	P=0.259N	P=0.319	P=0.334N

Experiment Number: 20303 - 06
 Test Type: CHRONIC
 Route: RESPIRATORY EXPOSURE WHOLE BODY
 Species/Strain: MICE/B6C3F1

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
 Vinylidene chloride
 CAS Number: 75-35-4

Date Report Requested: 03/26/2012
 Time Report Requested: 12:00:38
 First Dose M/F: 06/20/05 / 06/20/05
 Lab: BNW

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

DOSE	Males			
	Control	6.25 ppm	12.5 ppm	25 ppm
Lung: Alveolar Epithelium Hyperplasia				
LESION RATES				
OVERALL (a)	3/50 (6%)	7/50 (14%)	4/50 (8%)	6/50 (12%)
POLY-3 RATE (b)	3/42.11	7/47.23	4/41.50	6/38.29
POLY-3 PERCENT (g)	7.1%	14.8%	9.6%	15.7%
TERMINAL (d)	3/29 (10%)	7/40 (18%)	4/32 (13%)	2/19 (11%)
FIRST INCIDENCE	729 (T)	729 (T)	729 (T)	548
STATISTICAL TESTS				
POLY 3	P=0.240	P=0.208	P=0.492	P=0.194
POLY 1.5	P=0.272	P=0.186	P=0.493	P=0.215
POLY 6	P=0.201	P=0.237	P=0.495	P=0.167
COCH-ARM / FISHERS	P=0.316	P=0.159	P=0.500	P=0.243
MAX-ISO-POLY-3	P=0.217	P=0.138	P=0.340	P=0.123

Experiment Number: 20303 - 06
 Test Type: CHRONIC
 Route: RESPIRATORY EXPOSURE WHOLE BODY
 Species/Strain: MICE/B6C3F1

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
 Vinylidene chloride
 CAS Number: 75-35-4

Date Report Requested: 03/26/2012
 Time Report Requested: 12:00:38
 First Dose M/F: 06/20/05 / 06/20/05
 Lab: BNW

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

DOSE	Males			
	Control	6.25 ppm	12.5 ppm	25 ppm
Lung: Alveolus Infiltration Cellular Histiocyte				
LESION RATES				
OVERALL (a)	4/50 (8%)	0/50 (0%)	3/50 (6%)	4/50 (8%)
POLY-3 RATE (b)	4/42.11	0/47.23	3/42.26	4/36.82
POLY-3 PERCENT (g)	9.5%	0%	7.1%	10.9%
TERMINAL (d)	4/29 (14%)	0/40 (0%)	1/32 (3%)	3/19 (16%)
FIRST INCIDENCE	729 (T)	---	599	633
STATISTICAL TESTS				
POLY 3	P=0.272	P=0.047N*	P=0.498N	P=0.568
POLY 1.5	P=0.306	P=0.052N	P=0.501N	P=0.603
POLY 6	P=0.234	P=0.041N*	P=0.488N	P=0.516
COCH-ARM / FISHERS	P=0.357	P=0.059N	P=0.500N	P=0.643N
MAX-ISO-POLY-3	P=0.238	P=0.019N*	P=0.345N	P=0.424

Experiment Number: 20303 - 06
Test Type: CHRONIC
Route: RESPIRATORY EXPOSURE WHOLE BODY
Species/Strain: MICE/B6C3F1

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

Vinylidene chloride

CAS Number: 75-35-4

Date Report Requested: 03/26/2012

Time Report Requested: 12:00:38

First Dose M/F: 06/20/05 / 06/20/05

Lab: BNW

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

DOSE	Males			
	Control	6.25 ppm	12.5 ppm	25 ppm
<hr/>				
Lung: Perivascular Inflammation Chronic				
<hr/>				
LESION RATES				
OVERALL (a)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
POLY-3 RATE (b)	0/42.11	0/47.23	0/41.50	0/36.47
POLY-3 PERCENT (g)	0%	0%	0%	0%
TERMINAL (d)	0/29 (0%)	0/40 (0%)	0/32 (0%)	0/19 (0%)
FIRST INCIDENCE	---	---	---	---
<hr/>				
STATISTICAL TESTS				
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: 20303 - 06
 Test Type: CHRONIC
 Route: RESPIRATORY EXPOSURE WHOLE BODY
 Species/Strain: MICE/B6C3F1

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

Vinylidene chloride
 CAS Number: 75-35-4

Date Report Requested: 03/26/2012
 Time Report Requested: 12:00:38
 First Dose M/F: 06/20/05 / 06/20/05
 Lab: BNW

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

DOSE	Males			
	Control	6.25 ppm	12.5 ppm	25 ppm
Lymph Node, Mesenteric Angiectasis				
LESION RATES				
OVERALL (a)	0/46 (0%)	0/48 (0%)	0/48 (0%)	2/47 (4%)
POLY-3 RATE (b)	0/39.59	0/45.23	0/40.20	2/34.58
POLY-3 PERCENT (g)	0%	0%	0%	5.8%
TERMINAL (d)	0/27 (0%)	0/38 (0%)	0/32 (0%)	2/19 (11%)
FIRST INCIDENCE	---	---	---	729 (T)
STATISTICAL TESTS				
POLY 3	P=0.038*	(e)	(e)	P=0.208
POLY 1.5	P=0.040*	(e)	(e)	P=0.222
POLY 6	P=0.035*	(e)	(e)	P=0.189
COCH-ARM / FISHERS	P=0.046*	(e)	(e)	P=0.253
MAX-ISO-POLY-3	P=0.032*	(e)	(e)	P=0.076

Experiment Number: 20303 - 06
 Test Type: CHRONIC
 Route: RESPIRATORY EXPOSURE WHOLE BODY
 Species/Strain: MICE/B6C3F1

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

Vinylidene chloride
 CAS Number: 75-35-4

Date Report Requested: 03/26/2012
 Time Report Requested: 12:00:38
 First Dose M/F: 06/20/05 / 06/20/05
 Lab: BNW

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

DOSE	Males			
	Control	6.25 ppm	12.5 ppm	25 ppm
Lymph Node, Mesenteric Inflammation Granulomatous				
LESION RATES				
OVERALL (a)	0/46 (0%)	0/48 (0%)	0/48 (0%)	2/47 (4%)
POLY-3 RATE (b)	0/39.59	0/45.23	0/40.20	2/34.58
POLY-3 PERCENT (g)	0%	0%	0%	5.8%
TERMINAL (d)	0/27 (0%)	0/38 (0%)	0/32 (0%)	2/19 (11%)
FIRST INCIDENCE	---	---	---	729 (T)
STATISTICAL TESTS				
POLY 3	P=0.038*	(e)	(e)	P=0.208
POLY 1.5	P=0.040*	(e)	(e)	P=0.222
POLY 6	P=0.035*	(e)	(e)	P=0.189
COCH-ARM / FISHERS	P=0.046*	(e)	(e)	P=0.253
MAX-ISO-POLY-3	P=0.032*	(e)	(e)	P=0.076

Experiment Number: 20303 - 06
 Test Type: CHRONIC
 Route: RESPIRATORY EXPOSURE WHOLE BODY
 Species/Strain: MICE/B6C3F1

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

Vinylidene chloride
 CAS Number: 75-35-4

Date Report Requested: 03/26/2012
 Time Report Requested: 12:00:38
 First Dose M/F: 06/20/05 / 06/20/05
 Lab: BNW

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

DOSE	Males			
	Control	6.25 ppm	12.5 ppm	25 ppm
Mammary Gland Hyperplasia				
LESION RATES				
OVERALL (a)	0/1 (0%)	0/2 (0%)	0/0 (0%)	0/1 (0%)
POLY-3 RATE (b)	0/0.55	0/2.00	0/0.00	0/0.66
POLY-3 PERCENT (g)	0%	0%	0%	0%
TERMINAL (d)	0/0 (0%)	0/2 (0%)	0/0 (0%)	0/0 (0%)
FIRST INCIDENCE	---	---	---	---
STATISTICAL TESTS				
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: 20303 - 06
Test Type: CHRONIC
Route: RESPIRATORY EXPOSURE WHOLE BODY
Species/Strain: MICE/B6C3F1

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

Vinylidene chloride
CAS Number: 75-35-4

Date Report Requested: 03/26/2012
Time Report Requested: 12:00:38
First Dose M/F: 06/20/05 / 06/20/05
Lab: BNW

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

DOSE	Males			
	Control	6.25 ppm	12.5 ppm	25 ppm
Mesentery: Fat Necrosis				
LESION RATES				
OVERALL (a)	6/6 (100%)	8/9 (89%)	6/6 (100%)	1/3 (33%)
POLY-3 RATE (b)	6/6.00	8/8.89	6/6.00	1/2.03
POLY-3 PERCENT (g)	100%	90%	100%	49.2%
TERMINAL (d)	6/6 (100%)	7/7 (100%)	2/2 (100%)	1/1 (100%)
FIRST INCIDENCE	729 (T)	680	404	729 (T)
STATISTICAL TESTS				
POLY 3	P=0.116N	P=0.625N	(e)	P=0.151N
POLY 1.5	P=0.044N*	P=0.602N	(e)	P=0.062N
POLY 6	P=0.384N	P=0.674N	(e)	P=0.650N
COCH-ARM / FISHERS	P=0.025N*	P=0.600N	(e)	P=0.083N
MAX-ISO-POLY-3	P=0.039N*	P=0.230N	(e)	P=0.011N*

Experiment Number: 20303 - 06
 Test Type: CHRONIC
 Route: RESPIRATORY EXPOSURE WHOLE BODY
 Species/Strain: MICE/B6C3F1

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

Vinylidene chloride
 CAS Number: 75-35-4

Date Report Requested: 03/26/2012
 Time Report Requested: 12:00:38
 First Dose M/F: 06/20/05 / 06/20/05
 Lab: BNW

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

DOSE	Males			
	Control	6.25 ppm	12.5 ppm	25 ppm
Nose				
Foreign Body				
LESION RATES				
OVERALL (a)	2/50 (4%)	0/50 (0%)	2/49 (4%)	4/49 (8%)
POLY-3 RATE (b)	2/42.53	0/47.23	2/41.24	4/36.20
POLY-3 PERCENT (g)	4.7%	0%	4.9%	11.1%
TERMINAL (d)	1/29 (3%)	0/40 (0%)	1/32 (3%)	4/19 (21%)
FIRST INCIDENCE	610	---	600	729 (T)
STATISTICAL TESTS				
POLY 3	P=0.074	P=0.215N	P=0.683	P=0.265
POLY 1.5	P=0.086	P=0.224N	P=0.683	P=0.294
POLY 6	P=0.061	P=0.204N	P=0.687	P=0.224
COCH-ARM / FISHERS	P=0.106	P=0.247N	P=0.684	P=0.329
MAX-ISO-POLY-3	P=0.076	P=0.076N	P=0.487	P=0.163

Experiment Number: 20303 - 06
 Test Type: CHRONIC
 Route: RESPIRATORY EXPOSURE WHOLE BODY
 Species/Strain: MICE/B6C3F1

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

Vinylidene chloride
 CAS Number: 75-35-4

Date Report Requested: 03/26/2012
 Time Report Requested: 12:00:38
 First Dose M/F: 06/20/05 / 06/20/05
 Lab: BNW

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

DOSE	Males			
	Control	6.25 ppm	12.5 ppm	25 ppm
Nose				
Hyperostosis				
LESION RATES				
OVERALL (a)	1/50 (2%)	27/50 (54%)	45/49 (92%)	48/49 (98%)
POLY-3 RATE (b)	1/42.53	27/48.79	45/46.71	48/48.61
POLY-3 PERCENT (g)	2.4%	55.3%	96.3%	98.8%
TERMINAL (d)	0/29 (0%)	22/40 (55%)	31/32 (97%)	19/19 (100%)
FIRST INCIDENCE	610	521	428	425
STATISTICAL TESTS				
POLY 3	P<0.001**	P<0.001**	P<0.001**	P<0.001**
POLY 1.5	P<0.001**	P<0.001**	P<0.001**	P<0.001**
POLY 6	P<0.001**	P<0.001**	P<0.001**	P<0.001**
COCH-ARM / FISHERS	P<0.001**	P<0.001**	P<0.001**	P<0.001**
MAX-ISO-POLY-3	P<0.001**	P<0.001**	P<0.001**	P<0.001**

Experiment Number: 20303 - 06
 Test Type: CHRONIC
 Route: RESPIRATORY EXPOSURE WHOLE BODY
 Species/Strain: MICE/B6C3F1

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

Vinylidene chloride
 CAS Number: 75-35-4

Date Report Requested: 03/26/2012
 Time Report Requested: 12:00:38
 First Dose M/F: 06/20/05 / 06/20/05
 Lab: BNW

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

DOSE	Males			
	Control	6.25 ppm	12.5 ppm	25 ppm
Nose Inflammation				
LESION RATES				
OVERALL (a)	3/50 (6%)	2/50 (4%)	4/49 (8%)	7/49 (14%)
POLY-3 RATE (b)	3/42.53	2/47.23	4/42.19	7/36.81
POLY-3 PERCENT (g)	7.1%	4.2%	9.5%	19%
TERMINAL (d)	2/29 (7%)	2/40 (5%)	1/32 (3%)	5/19 (26%)
FIRST INCIDENCE	610	729 (T)	570	617
STATISTICAL TESTS				
POLY 3	P=0.029*	P=0.452N	P=0.496	P=0.102
POLY 1.5	P=0.038*	P=0.472N	P=0.490	P=0.123
POLY 6	P=0.021*	P=0.429N	P=0.509	P=0.076
COCH-ARM / FISHERS	P=0.052	P=0.500N	P=0.489	P=0.151
MAX-ISO-POLY-3	P=0.045*	P=0.292N	P=0.343	P=0.065

Experiment Number: 20303 - 06
Test Type: CHRONIC
Route: RESPIRATORY EXPOSURE WHOLE BODY
Species/Strain: MICE/B6C3F1

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

Vinylidene chloride
CAS Number: 75-35-4

Date Report Requested: 03/26/2012
Time Report Requested: 12:00:38
First Dose M/F: 06/20/05 / 06/20/05
Lab: BNW

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

DOSE	Males			
	Control	6.25 ppm	12.5 ppm	25 ppm
Nose				
Inflammation Chronic				
<hr/>				
LESION RATES				
OVERALL (a)	0/50 (0%)	1/50 (2%)	0/49 (0%)	0/49 (0%)
POLY-3 RATE (b)	0/42.11	1/47.23	0/40.80	0/36.20
POLY-3 PERCENT (g)	0%	2.1%	0%	0%
TERMINAL (d)	0/29 (0%)	1/40 (3%)	0/32 (0%)	0/19 (0%)
FIRST INCIDENCE	---	729 (T)	---	---
<hr/>				
STATISTICAL TESTS				
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: 20303 - 06
 Test Type: CHRONIC
 Route: RESPIRATORY EXPOSURE WHOLE BODY
 Species/Strain: MICE/B6C3F1

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
 Vinylidene chloride
 CAS Number: 75-35-4

Date Report Requested: 03/26/2012
 Time Report Requested: 12:00:38
 First Dose M/F: 06/20/05 / 06/20/05
 Lab: BNW

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

DOSE	Males			
	Control	6.25 ppm	12.5 ppm	25 ppm
Nose: Olfactory Epithelium Accumulation, Hyaline Droplet				
LESION RATES				
OVERALL (a)	2/50 (4%)	5/50 (10%)	13/49 (27%)	11/49 (22%)
POLY-3 RATE (b)	2/42.51	5/47.86	13/43.75	11/38.66
POLY-3 PERCENT (g)	4.7%	10.5%	29.7%	28.5%
TERMINAL (d)	0/29 (0%)	4/40 (10%)	6/32 (19%)	5/19 (26%)
FIRST INCIDENCE	642	521	514	525
STATISTICAL TESTS				
POLY 3	P<0.001**	P=0.267	P=0.002**	P=0.003**
POLY 1.5	P=0.002**	P=0.246	P=0.002**	P=0.004**
POLY 6	P<0.001**	P=0.293	P=0.002**	P=0.002**
COCH-ARM / FISHERS	P=0.004**	P=0.218	P=0.002**	P=0.007**
MAX-ISO-POLY-3	P<0.001**	P=0.169	P<0.001**	P=0.002**

Experiment Number: 20303 - 06
Test Type: CHRONIC
Route: RESPIRATORY EXPOSURE WHOLE BODY
Species/Strain: MICE/B6C3F1

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

Vinylidene chloride

CAS Number: 75-35-4

Date Report Requested: 03/26/2012

Time Report Requested: 12:00:38

First Dose M/F: 06/20/05 / 06/20/05

Lab: BNW

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

DOSE	Males			
	Control	6.25 ppm	12.5 ppm	25 ppm
<hr/>				
Nose: Olfactory Epithelium Atrophy				
<hr/>				
LESION RATES				
OVERALL (a)	1/50 (2%)	2/50 (4%)	1/49 (2%)	0/49 (0%)
POLY-3 RATE (b)	1/42.11	2/47.61	1/40.80	0/36.20
POLY-3 PERCENT (g)	2.4%	4.2%	2.5%	0%
TERMINAL (d)	1/29 (3%)	1/40 (3%)	1/32 (3%)	0/19 (0%)
FIRST INCIDENCE	729 (T)	619	729 (T)	---
<hr/>				
STATISTICAL TESTS				
POLY 3	P=0.289N	P=0.543	P=0.754	P=0.530N
POLY 1.5	P=0.272N	P=0.525	P=0.754	P=0.518N
POLY 6	P=0.312N	P=0.565	P=0.756	P=0.548N
COCH-ARM / FISHERS	P=0.253N	P=0.500	P=0.747	P=0.505N
MAX-ISO-POLY-3	P=0.311N	P=0.327	P=0.490	P=0.193N

Experiment Number: 20303 - 06
 Test Type: CHRONIC
 Route: RESPIRATORY EXPOSURE WHOLE BODY
 Species/Strain: MICE/B6C3F1

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
 Vinylidene chloride
 CAS Number: 75-35-4

Date Report Requested: 03/26/2012
 Time Report Requested: 12:00:38
 First Dose M/F: 06/20/05 / 06/20/05
 Lab: BNW

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

DOSE	Males			
	Control	6.25 ppm	12.5 ppm	25 ppm
Nose: Olfactory Epithelium Metaplasia Respiratory				
LESION RATES				
OVERALL (a)	17/50 (34%)	39/50 (78%)	47/49 (96%)	48/49 (98%)
POLY-3 RATE (b)	17/44.72	39/49.81	47/48.17	48/48.86
POLY-3 PERCENT (g)	38%	78.3%	97.6%	98.2%
TERMINAL (d)	8/29 (28%)	30/40 (75%)	31/32 (97%)	19/19 (100%)
FIRST INCIDENCE	550	521	428	425
STATISTICAL TESTS				
POLY 3	P<0.001**	P<0.001**	P<0.001**	P<0.001**
POLY 1.5	P<0.001**	P<0.001**	P<0.001**	P<0.001**
POLY 6	P<0.001**	P<0.001**	P<0.001**	P<0.001**
COCH-ARM / FISHERS	P<0.001**	P<0.001**	P<0.001**	P<0.001**
MAX-ISO-POLY-3	P<0.001**	P<0.001**	P<0.001**	P<0.001**

Experiment Number: 20303 - 06
 Test Type: CHRONIC
 Route: RESPIRATORY EXPOSURE WHOLE BODY
 Species/Strain: MICE/B6C3F1

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
 Vinylidene chloride
 CAS Number: 75-35-4

Date Report Requested: 03/26/2012
 Time Report Requested: 12:00:38
 First Dose M/F: 06/20/05 / 06/20/05
 Lab: BNW

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

DOSE	Males			
	Control	6.25 ppm	12.5 ppm	25 ppm
Nose: Olfactory Epithelium Necrosis				
LESION RATES				
OVERALL (a)	4/50 (8%)	1/50 (2%)	2/49 (4%)	4/49 (8%)
POLY-3 RATE (b)	4/42.59	1/47.23	2/41.32	4/36.76
POLY-3 PERCENT (g)	9.4%	2.1%	4.8%	10.9%
TERMINAL (d)	2/29 (7%)	1/40 (3%)	1/32 (3%)	1/19 (5%)
FIRST INCIDENCE	610	729 (T)	570	633
STATISTICAL TESTS				
POLY 3	P=0.352	P=0.149N	P=0.351N	P=0.561
POLY 1.5	P=0.383	P=0.161N	P=0.351N	P=0.594
POLY 6	P=0.318	P=0.136N	P=0.346N	P=0.510
COCH-ARM / FISHERS	P=0.426	P=0.181N	P=0.349N	P=0.631
MAX-ISO-POLY-3	P=0.294	P=0.076N	P=0.213N	P=0.417

Experiment Number: 20303 - 06
 Test Type: CHRONIC
 Route: RESPIRATORY EXPOSURE WHOLE BODY
 Species/Strain: MICE/B6C3F1

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

Vinylidene chloride
 CAS Number: 75-35-4

Date Report Requested: 03/26/2012
 Time Report Requested: 12:00:38
 First Dose M/F: 06/20/05 / 06/20/05
 Lab: BNW

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

DOSE	Males			
	Control	6.25 ppm	12.5 ppm	25 ppm
Nose: Respiratory Epithelium Accumulation, Hyaline Droplet				
LESION RATES				
OVERALL (a)	17/50 (34%)	21/50 (42%)	24/49 (49%)	16/49 (33%)
POLY-3 RATE (b)	17/43.97	21/47.96	24/44.20	16/39.39
POLY-3 PERCENT (g)	38.7%	43.8%	54.3%	40.6%
TERMINAL (d)	10/29 (35%)	17/40 (43%)	18/32 (56%)	8/19 (42%)
FIRST INCIDENCE	550	662	404	537
STATISTICAL TESTS				
POLY 3	P=0.419	P=0.387	P=0.098	P=0.517
POLY 1.5	P=0.519	P=0.336	P=0.097	P=0.576
POLY 6	P=0.286	P=0.449	P=0.096	P=0.424
COCH-ARM / FISHERS	P=0.441N	P=0.268	P=0.095	P=0.528N
MAX-ISO-POLY-3	P=0.343	P=0.315	P=0.066	P=0.428

Experiment Number: 20303 - 06
 Test Type: CHRONIC
 Route: RESPIRATORY EXPOSURE WHOLE BODY
 Species/Strain: MICE/B6C3F1

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
 Vinylidene chloride
 CAS Number: 75-35-4

Date Report Requested: 03/26/2012
 Time Report Requested: 12:00:38
 First Dose M/F: 06/20/05 / 06/20/05
 Lab: BNW

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

DOSE	Males			
	Control	6.25 ppm	12.5 ppm	25 ppm
Nose: Respiratory Epithelium Hyperplasia				
LESION RATES				
OVERALL (a)	37/50 (74%)	36/50 (72%)	35/49 (71%)	39/49 (80%)
POLY-3 RATE (b)	37/47.44	36/48.87	35/44.51	39/46.67
POLY-3 PERCENT (g)	78%	73.7%	78.6%	83.6%
TERMINAL (d)	23/29 (79%)	30/40 (75%)	26/32 (81%)	14/19 (74%)
FIRST INCIDENCE	488	619	404	425
STATISTICAL TESTS				
POLY 3	P=0.206	P=0.396N	P=0.574	P=0.328
POLY 1.5	P=0.232	P=0.438N	P=0.570N	P=0.333
POLY 6	P=0.179	P=0.347N	P=0.517	P=0.324
COCH-ARM / FISHERS	P=0.269	P=0.500N	P=0.475N	P=0.337
MAX-ISO-POLY-3	P=0.274	P=0.309N	P=0.468	P=0.237

Experiment Number: 20303 - 06
 Test Type: CHRONIC
 Route: RESPIRATORY EXPOSURE WHOLE BODY
 Species/Strain: MICE/B6C3F1

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
 Vinylidene chloride
 CAS Number: 75-35-4

Date Report Requested: 03/26/2012
 Time Report Requested: 12:00:38
 First Dose M/F: 06/20/05 / 06/20/05
 Lab: BNW

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

DOSE	Males			
	Control	6.25 ppm	12.5 ppm	25 ppm
Nose: Respiratory Epithelium Metaplasia				
LESION RATES				
OVERALL (a)	2/50 (4%)	0/50 (0%)	3/49 (6%)	0/49 (0%)
POLY-3 RATE (b)	2/42.53	0/47.23	3/41.32	0/36.20
POLY-3 PERCENT (g)	4.7%	0%	7.3%	0%
TERMINAL (d)	1/29 (3%)	0/40 (0%)	2/32 (6%)	0/19 (0%)
FIRST INCIDENCE	610	---	570	---
STATISTICAL TESTS				
POLY 3	P=0.377N	P=0.215N	P=0.487	P=0.274N
POLY 1.5	P=0.343N	P=0.224N	P=0.487	P=0.259N
POLY 6	P=0.424N	P=0.204N	P=0.491	P=0.299N
COCH-ARM / FISHERS	P=0.303N	P=0.247N	P=0.490	P=0.253N
MAX-ISO-POLY-3	P=0.216N	P=0.076N	P=0.313	P=0.109N

Experiment Number: 20303 - 06
 Test Type: CHRONIC
 Route: RESPIRATORY EXPOSURE WHOLE BODY
 Species/Strain: MICE/B6C3F1

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

Vinylidene chloride
 CAS Number: 75-35-4

Date Report Requested: 03/26/2012
 Time Report Requested: 12:00:38
 First Dose M/F: 06/20/05 / 06/20/05
 Lab: BNW

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

DOSE	Males			
	Control	6.25 ppm	12.5 ppm	25 ppm
Nose: Respiratory Epithelium Necrosis				
LESION RATES				
OVERALL (a)	2/50 (4%)	0/50 (0%)	2/49 (4%)	3/49 (6%)
POLY-3 RATE (b)	2/42.53	0/47.23	2/41.32	3/37.20
POLY-3 PERCENT (g)	4.7%	0%	4.8%	8.1%
TERMINAL (d)	1/29 (3%)	0/40 (0%)	1/32 (3%)	1/19 (5%)
FIRST INCIDENCE	610	---	570	537
STATISTICAL TESTS				
POLY 3	P=0.181	P=0.215N	P=0.684	P=0.439
POLY 1.5	P=0.201	P=0.224N	P=0.684	P=0.463
POLY 6	P=0.157	P=0.204N	P=0.688	P=0.403
COCH-ARM / FISHERS	P=0.230	P=0.247N	P=0.684	P=0.490
MAX-ISO-POLY-3	P=0.185	P=0.076N	P=0.488	P=0.282

Experiment Number: 20303 - 06
 Test Type: CHRONIC
 Route: RESPIRATORY EXPOSURE WHOLE BODY
 Species/Strain: MICE/B6C3F1

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

Vinylidene chloride
 CAS Number: 75-35-4

Date Report Requested: 03/26/2012
 Time Report Requested: 12:00:38
 First Dose M/F: 06/20/05 / 06/20/05
 Lab: BNW

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

DOSE	Males			
	Control	6.25 ppm	12.5 ppm	25 ppm
Nose: Turbinate Atrophy				
LESION RATES				
OVERALL (a)	0/50 (0%)	46/50 (92%)	46/49 (94%)	47/49 (96%)
POLY-3 RATE (b)	0/42.11	46/49.49	46/48.04	47/48.20
POLY-3 PERCENT (g)	0%	93%	95.8%	97.5%
TERMINAL (d)	0/29 (0%)	38/40 (95%)	31/32 (97%)	18/19 (95%)
FIRST INCIDENCE	---	521	404	470
STATISTICAL TESTS				
POLY 3	P<0.001**	P<0.001**	P<0.001**	P<0.001**
POLY 1.5	P<0.001**	P<0.001**	P<0.001**	P<0.001**
POLY 6	P<0.001**	P<0.001**	P<0.001**	P<0.001**
COCH-ARM / FISHERS	P<0.001**	P<0.001**	P<0.001**	P<0.001**
MAX-ISO-POLY-3	P<0.001**	P<0.001**	P<0.001**	P<0.001**

Experiment Number: 20303 - 06
Test Type: CHRONIC
Route: RESPIRATORY EXPOSURE WHOLE BODY
Species/Strain: MICE/B6C3F1

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

Vinylidene chloride
CAS Number: 75-35-4

Date Report Requested: 03/26/2012
Time Report Requested: 12:00:38
First Dose M/F: 06/20/05 / 06/20/05
Lab: BNW

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

DOSE	Males			
	Control	6.25 ppm	12.5 ppm	25 ppm
Pancreas: Artery Inflammation Chronic				
LESION RATES				
OVERALL (a)	0/50 (0%)	0/49 (0%)	1/50 (2%)	0/48 (0%)
POLY-3 RATE (b)	0/42.11	0/46.55	1/41.50	0/35.21
POLY-3 PERCENT (g)	0%	0%	2.4%	0%
TERMINAL (d)	0/29 (0%)	0/40 (0%)	1/32 (3%)	0/19 (0%)
FIRST INCIDENCE	---	---	729 (T)	---
STATISTICAL TESTS				
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: 20303 - 06
 Test Type: CHRONIC
 Route: RESPIRATORY EXPOSURE WHOLE BODY
 Species/Strain: MICE/B6C3F1

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

Vinylidene chloride
 CAS Number: 75-35-4

Date Report Requested: 03/26/2012
 Time Report Requested: 12:00:38
 First Dose M/F: 06/20/05 / 06/20/05
 Lab: BNW

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

DOSE	Males			
	Control	6.25 ppm	12.5 ppm	25 ppm
Parathyroid Gland Cyst				
LESION RATES				
OVERALL (a)	0/26 (0%)	0/22 (0%)	2/26 (8%)	1/24 (4%)
POLY-3 RATE (b)	0/20.80	0/20.85	2/22.04	1/18.70
POLY-3 PERCENT (g)	0%	0%	9.1%	5.4%
TERMINAL (d)	0/14 (0%)	0/18 (0%)	2/18 (11%)	1/10 (10%)
FIRST INCIDENCE	---	---	729 (T)	729 (T)
STATISTICAL TESTS				
POLY 3	P=0.207	(e)	P=0.247	P=0.479
POLY 1.5	P=0.222	(e)	P=0.241	P=0.482
POLY 6	P=0.182	(e)	P=0.256	P=0.470
COCH-ARM / FISHERS	P=0.239	(e)	P=0.245	P=0.480
MAX-ISO-POLY-3	P=0.198	(e)	P=0.085	P=0.152

Experiment Number: 20303 - 06
Test Type: CHRONIC
Route: RESPIRATORY EXPOSURE WHOLE BODY
Species/Strain: MICE/B6C3F1

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

Vinylidene chloride
CAS Number: 75-35-4

Date Report Requested: 03/26/2012
Time Report Requested: 12:00:38
First Dose M/F: 06/20/05 / 06/20/05
Lab: BNW

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

DOSE	Males			
	Control	6.25 ppm	12.5 ppm	25 ppm

Pituitary Gland: Pars Distalis
Angiectasis

LESION RATES

OVERALL (a)	0/49 (0%)	0/49 (0%)	0/50 (0%)	0/46 (0%)
POLY-3 RATE (b)	0/41.44	0/46.42	0/41.50	0/33.23
POLY-3 PERCENT (g)	0%	0%	0%	0%
TERMINAL (d)	0/29 (0%)	0/40 (0%)	0/32 (0%)	0/18 (0%)
FIRST INCIDENCE	---	---	---	---

STATISTICAL TESTS

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: 20303 - 06
Test Type: CHRONIC
Route: RESPIRATORY EXPOSURE WHOLE BODY
Species/Strain: MICE/B6C3F1

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
Vinylidene chloride
CAS Number: 75-35-4

Date Report Requested: 03/26/2012
Time Report Requested: 12:00:38
First Dose M/F: 06/20/05 / 06/20/05
Lab: BNW

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

DOSE	Males			
	Control	6.25 ppm	12.5 ppm	25 ppm
Pituitary Gland: Pars Distalis Hyperplasia				
LESION RATES				
OVERALL (a)	1/49 (2%)	1/49 (2%)	1/50 (2%)	2/46 (4%)
POLY-3 RATE (b)	1/41.44	1/46.42	1/41.50	2/33.23
POLY-3 PERCENT (g)	2.4%	2.2%	2.4%	6%
TERMINAL (d)	1/29 (3%)	1/40 (3%)	1/32 (3%)	2/18 (11%)
FIRST INCIDENCE	729 (T)	729 (T)	729 (T)	729 (T)
STATISTICAL TESTS				
POLY 3	P=0.274	P=0.735N	P=0.761N	P=0.423
POLY 1.5	P=0.298	P=0.746N	P=0.759N	P=0.448
POLY 6	P=0.245	P=0.721N	P=0.761N	P=0.388
COCH-ARM / FISHERS	P=0.330	P=0.753N	P=0.747N	P=0.476
MAX-ISO-POLY-3	P=0.336	P=0.468N	P=0.499N	P=0.238

Experiment Number: 20303 - 06
 Test Type: CHRONIC
 Route: RESPIRATORY EXPOSURE WHOLE BODY
 Species/Strain: MICE/B6C3F1

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
 Vinylidene chloride
 CAS Number: 75-35-4

Date Report Requested: 03/26/2012
 Time Report Requested: 12:00:38
 First Dose M/F: 06/20/05 / 06/20/05
 Lab: BNW

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

DOSE	Males			
	Control	6.25 ppm	12.5 ppm	25 ppm
Preputial Gland Inflammation Chronic				
LESION RATES				
OVERALL (a)	3/50 (6%)	5/50 (10%)	3/50 (6%)	2/50 (4%)
POLY-3 RATE (b)	3/42.11	5/47.23	3/41.50	2/36.57
POLY-3 PERCENT (g)	7.1%	10.6%	7.2%	5.5%
TERMINAL (d)	3/29 (10%)	5/40 (13%)	3/32 (9%)	1/19 (5%)
FIRST INCIDENCE	729 (T)	729 (T)	729 (T)	705
STATISTICAL TESTS				
POLY 3	P=0.380N	P=0.421	P=0.656	P=0.564N
POLY 1.5	P=0.343N	P=0.394	P=0.657	P=0.535N
POLY 6	P=0.432N	P=0.455	P=0.659	P=0.607N
COCH-ARM / FISHERS	P=0.297N	P=0.357	P=0.661N	P=0.500N
MAX-ISO-POLY-3	P=0.483N	P=0.296	P=0.492	P=0.389N

Experiment Number: 20303 - 06
 Test Type: CHRONIC
 Route: RESPIRATORY EXPOSURE WHOLE BODY
 Species/Strain: MICE/B6C3F1

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

Vinylidene chloride
 CAS Number: 75-35-4

Date Report Requested: 03/26/2012
 Time Report Requested: 12:00:38
 First Dose M/F: 06/20/05 / 06/20/05
 Lab: BNW

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

DOSE	Males			
	Control	6.25 ppm	12.5 ppm	25 ppm
Prostate Inflammation Chronic				
LESION RATES				
OVERALL (a)	0/50 (0%)	0/50 (0%)	2/50 (4%)	1/50 (2%)
POLY-3 RATE (b)	0/42.11	0/47.23	2/42.16	1/36.57
POLY-3 PERCENT (g)	0%	0%	4.7%	2.7%
TERMINAL (d)	0/29 (0%)	0/40 (0%)	1/32 (3%)	0/19 (0%)
FIRST INCIDENCE	---	---	509	704
STATISTICAL TESTS				
POLY 3	P=0.180	(e)	P=0.237	P=0.472
POLY 1.5	P=0.208	(e)	P=0.236	P=0.485
POLY 6	P=0.145	(e)	P=0.240	P=0.453
COCH-ARM / FISHERS	P=0.246	(e)	P=0.247	P=0.500
MAX-ISO-POLY-3	P=0.201	(e)	P=0.076	P=0.158

Experiment Number: 20303 - 06
 Test Type: CHRONIC
 Route: RESPIRATORY EXPOSURE WHOLE BODY
 Species/Strain: MICE/B6C3F1

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

Vinylidene chloride
 CAS Number: 75-35-4

Date Report Requested: 03/26/2012
 Time Report Requested: 12:00:38
 First Dose M/F: 06/20/05 / 06/20/05
 Lab: BNW

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

DOSE	Males			
	Control	6.25 ppm	12.5 ppm	25 ppm
Skin				
Necrosis				
LESION RATES				
OVERALL (a)	4/50 (8%)	5/50 (10%)	3/50 (6%)	3/50 (6%)
POLY-3 RATE (b)	4/43.48	5/47.55	3/42.37	3/37.55
POLY-3 PERCENT (g)	9.2%	10.5%	7.1%	8%
TERMINAL (d)	0/29 (0%)	4/40 (10%)	1/32 (3%)	1/19 (5%)
FIRST INCIDENCE	501	639	600	563
STATISTICAL TESTS				
POLY 3	P=0.431N	P=0.556	P=0.514N	P=0.580N
POLY 1.5	P=0.392N	P=0.533	P=0.510N	P=0.544N
POLY 6	P=0.481N	P=0.583	P=0.514N	P=0.631N
COCH-ARM / FISHERS	P=0.341N	P=0.500	P=0.500N	P=0.500N
MAX-ISO-POLY-3	P=0.578N	P=0.419	P=0.361N	P=0.427N

Experiment Number: 20303 - 06
Test Type: CHRONIC
Route: RESPIRATORY EXPOSURE WHOLE BODY
Species/Strain: MICE/B6C3F1

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

Vinylidene chloride
CAS Number: 75-35-4

Date Report Requested: 03/26/2012
Time Report Requested: 12:00:38
First Dose M/F: 06/20/05 / 06/20/05
Lab: BNW

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

DOSE	Males			
	Control	6.25 ppm	12.5 ppm	25 ppm

Spleen
Hematopoietic Cell Proliferation

LESION RATES

OVERALL (a)	1/50 (2%)	4/49 (8%)	2/50 (4%)	5/50 (10%)
POLY-3 RATE (b)	1/42.43	4/47.26	2/42.16	5/39.07
POLY-3 PERCENT (g)	2.4%	8.5%	4.7%	12.8%
TERMINAL (d)	0/29 (0%)	2/40 (5%)	1/32 (3%)	0/19 (0%)
FIRST INCIDENCE	642	619	509	537

STATISTICAL TESTS

POLY 3	P=0.088	P=0.213	P=0.498	P=0.082
POLY 1.5	P=0.100	P=0.196	P=0.498	P=0.091
POLY 6	P=0.075	P=0.237	P=0.500	P=0.071
COCH-ARM / FISHERS	P=0.116	P=0.175	P=0.500	P=0.102
MAX-ISO-POLY-3	P=0.065	P=0.118	P=0.279	P=0.040*

Experiment Number: 20303 - 06
 Test Type: CHRONIC
 Route: RESPIRATORY EXPOSURE WHOLE BODY
 Species/Strain: MICE/B6C3F1

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

Vinylidene chloride
 CAS Number: 75-35-4

Date Report Requested: 03/26/2012
 Time Report Requested: 12:00:38
 First Dose M/F: 06/20/05 / 06/20/05
 Lab: BNW

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

DOSE	Males			
	Control	6.25 ppm	12.5 ppm	25 ppm
Stomach, Forestomach Hyperplasia				
LESION RATES				
OVERALL (a)	4/49 (8%)	1/50 (2%)	7/50 (14%)	10/49 (20%)
POLY-3 RATE (b)	4/41.88	1/47.23	7/42.30	10/37.84
POLY-3 PERCENT (g)	9.6%	2.1%	16.6%	26.4%
TERMINAL (d)	3/29 (10%)	1/40 (3%)	6/32 (19%)	6/19 (32%)
FIRST INCIDENCE	712	729 (T)	429	471
STATISTICAL TESTS				
POLY 3	P=0.003**	P=0.144N	P=0.264	P=0.043*
POLY 1.5	P=0.004**	P=0.156N	P=0.267	P=0.055
POLY 6	P=0.002**	P=0.131N	P=0.266	P=0.030*
COCH-ARM / FISHERS	P=0.008**	P=0.175N	P=0.274	P=0.074
MAX-ISO-POLY-3	P=0.004**	P=0.074N	P=0.171	P=0.027*

Experiment Number: 20303 - 06
Test Type: CHRONIC
Route: RESPIRATORY EXPOSURE WHOLE BODY
Species/Strain: MICE/B6C3F1

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

Vinylidene chloride
CAS Number: 75-35-4

Date Report Requested: 03/26/2012
Time Report Requested: 12:00:38
First Dose M/F: 06/20/05 / 06/20/05
Lab: BNW

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

DOSE	Males			
	Control	6.25 ppm	12.5 ppm	25 ppm
Stomach, Forestomach Inflammation Chronic				
LESION RATES				
OVERALL (a)	2/49 (4%)	2/50 (4%)	3/50 (6%)	7/49 (14%)
POLY-3 RATE (b)	2/41.88	2/47.27	3/42.30	7/37.58
POLY-3 PERCENT (g)	4.8%	4.2%	7.1%	18.6%
TERMINAL (d)	1/29 (3%)	1/40 (3%)	2/32 (6%)	3/19 (16%)
FIRST INCIDENCE	712	718	429	425
STATISTICAL TESTS				
POLY 3	P=0.013*	P=0.650N	P=0.505	P=0.053
POLY 1.5	P=0.017*	P=0.665N	P=0.505	P=0.064
POLY 6	P=0.010**	P=0.629N	P=0.507	P=0.040*
COCH-ARM / FISHERS	P=0.024*	P=0.684N	P=0.510	P=0.080
MAX-ISO-POLY-3	P=0.020*	P=0.452N	P=0.327	P=0.030*

Experiment Number: 20303 - 06
Test Type: CHRONIC
Route: RESPIRATORY EXPOSURE WHOLE BODY
Species/Strain: MICE/B6C3F1

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

Vinylidene chloride
CAS Number: 75-35-4

Date Report Requested: 03/26/2012
Time Report Requested: 12:00:38
First Dose M/F: 06/20/05 / 06/20/05
Lab: BNW

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

DOSE	Males			
	Control	6.25 ppm	12.5 ppm	25 ppm
Stomach, Forestomach Necrosis				
LESION RATES				
OVERALL (a)	1/49 (2%)	2/50 (4%)	2/50 (4%)	4/49 (8%)
POLY-3 RATE (b)	1/41.81	2/47.27	2/42.30	4/37.73
POLY-3 PERCENT (g)	2.4%	4.2%	4.7%	10.6%
TERMINAL (d)	1/29 (3%)	1/40 (3%)	1/32 (3%)	1/19 (5%)
FIRST INCIDENCE	729 (T)	718	429	425
STATISTICAL TESTS				
POLY 3	P=0.083	P=0.543	P=0.504	P=0.148
POLY 1.5	P=0.095	P=0.528	P=0.504	P=0.162
POLY 6	P=0.069	P=0.562	P=0.506	P=0.127
COCH-ARM / FISHERS	P=0.111	P=0.508	P=0.508	P=0.181
MAX-ISO-POLY-3	P=0.103	P=0.326	P=0.284	P=0.075

Experiment Number: 20303 - 06
 Test Type: CHRONIC
 Route: RESPIRATORY EXPOSURE WHOLE BODY
 Species/Strain: MICE/B6C3F1

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

Vinylidene chloride
 CAS Number: 75-35-4

Date Report Requested: 03/26/2012
 Time Report Requested: 12:00:38
 First Dose M/F: 06/20/05 / 06/20/05
 Lab: BNW

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

DOSE	Males			
	Control	6.25 ppm	12.5 ppm	25 ppm
Stomach, Forestomach Ulcer				
LESION RATES				
OVERALL (a)	1/49 (2%)	1/50 (2%)	0/50 (0%)	2/49 (4%)
POLY-3 RATE (b)	1/42.14	1/47.34	0/41.50	2/36.65
POLY-3 PERCENT (g)	2.4%	2.1%	0%	5.5%
TERMINAL (d)	0/29 (0%)	0/40 (0%)	0/32 (0%)	0/19 (0%)
FIRST INCIDENCE	639	701	---	635
STATISTICAL TESTS				
POLY 3	P=0.327	P=0.734N	P=0.503N	P=0.451
POLY 1.5	P=0.343	P=0.743N	P=0.501N	P=0.473
POLY 6	P=0.310	P=0.722N	P=0.504N	P=0.421
COCH-ARM / FISHERS	P=0.364	P=0.747N	P=0.495N	P=0.500
MAX-ISO-POLY-3	P=0.243	P=0.468N	P=0.163N	P=0.255

Experiment Number: 20303 - 06
 Test Type: CHRONIC
 Route: RESPIRATORY EXPOSURE WHOLE BODY
 Species/Strain: MICE/B6C3F1

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
 Vinylidene chloride
 CAS Number: 75-35-4

Date Report Requested: 03/26/2012
 Time Report Requested: 12:00:38
 First Dose M/F: 06/20/05 / 06/20/05
 Lab: BNW

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

DOSE	Males			
	Control	6.25 ppm	12.5 ppm	25 ppm
Stomach, Glandular Mineralization				
LESION RATES				
OVERALL (a)	2/48 (4%)	1/49 (2%)	1/49 (2%)	1/48 (2%)
POLY-3 RATE (b)	2/41.59	1/46.55	1/40.80	1/36.09
POLY-3 PERCENT (g)	4.8%	2.2%	2.5%	2.8%
TERMINAL (d)	2/29 (7%)	1/40 (3%)	1/32 (3%)	0/19 (0%)
FIRST INCIDENCE	729 (T)	729 (T)	729 (T)	584
STATISTICAL TESTS				
POLY 3	P=0.453N	P=0.461N	P=0.507N	P=0.549N
POLY 1.5	P=0.436N	P=0.475N	P=0.503N	P=0.528N
POLY 6	P=0.473N	P=0.442N	P=0.507N	P=0.579N
COCH-ARM / FISHERS	P=0.410N	P=0.492N	P=0.492N	P=0.500N
MAX-ISO-POLY-3	P=0.467N	P=0.258N	P=0.289N	P=0.333N

Experiment Number: 20303 - 06
 Test Type: CHRONIC
 Route: RESPIRATORY EXPOSURE WHOLE BODY
 Species/Strain: MICE/B6C3F1

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
 Vinylidene chloride
 CAS Number: 75-35-4

Date Report Requested: 03/26/2012
 Time Report Requested: 12:00:38
 First Dose M/F: 06/20/05 / 06/20/05
 Lab: BNW

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

DOSE	Males			
	Control	6.25 ppm	12.5 ppm	25 ppm
Stomach, Glandular Necrosis				
LESION RATES				
OVERALL (a)	4/48 (8%)	3/49 (6%)	3/49 (6%)	5/48 (10%)
POLY-3 RATE (b)	4/43.21	3/46.92	3/42.58	5/37.48
POLY-3 PERCENT (g)	9.3%	6.4%	7.1%	13.3%
TERMINAL (d)	0/29 (0%)	1/40 (3%)	0/32 (0%)	1/19 (5%)
FIRST INCIDENCE	512	658	428	470
STATISTICAL TESTS				
POLY 3	P=0.289	P=0.455N	P=0.508N	P=0.411
POLY 1.5	P=0.323	P=0.470N	P=0.502N	P=0.450
POLY 6	P=0.250	P=0.434N	P=0.510N	P=0.360
COCH-ARM / FISHERS	P=0.372	P=0.488N	P=0.488N	P=0.500
MAX-ISO-POLY-3	P=0.327	P=0.314N	P=0.356N	P=0.295

Experiment Number: 20303 - 06
 Test Type: CHRONIC
 Route: RESPIRATORY EXPOSURE WHOLE BODY
 Species/Strain: MICE/B6C3F1

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

Vinylidene chloride
 CAS Number: 75-35-4

Date Report Requested: 03/26/2012
 Time Report Requested: 12:00:38
 First Dose M/F: 06/20/05 / 06/20/05
 Lab: BNW

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

DOSE	Males			
	Control	6.25 ppm	12.5 ppm	25 ppm
Testes				
Atrophy				
LESION RATES				
OVERALL (a)	0/50 (0%)	2/50 (4%)	0/50 (0%)	0/50 (0%)
POLY-3 RATE (b)	0/42.11	2/47.23	0/41.50	0/36.47
POLY-3 PERCENT (g)	0%	4.2%	0%	0%
TERMINAL (d)	0/29 (0%)	2/40 (5%)	0/32 (0%)	0/19 (0%)
FIRST INCIDENCE	---	729 (T)	---	---
STATISTICAL TESTS				
POLY 3	P=0.415N	P=0.264	(e)	(e)
POLY 1.5	P=0.409N	P=0.253	(e)	(e)
POLY 6	P=0.422N	P=0.278	(e)	(e)
COCH-ARM / FISHERS	P=0.405N	P=0.247	(e)	(e)
MAX-ISO-POLY-3	P=0.331N	P=0.101	(e)	(e)

Experiment Number: 20303 - 06
 Test Type: CHRONIC
 Route: RESPIRATORY EXPOSURE WHOLE BODY
 Species/Strain: MICE/B6C3F1

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
 Vinylidene chloride
 CAS Number: 75-35-4

Date Report Requested: 03/26/2012
 Time Report Requested: 12:00:38
 First Dose M/F: 06/20/05 / 06/20/05
 Lab: BNW

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

DOSE	Males			
	Control	6.25 ppm	12.5 ppm	25 ppm
Testes: Germinal Epithelium Degeneration				
LESION RATES				
OVERALL (a)	2/50 (4%)	5/50 (10%)	3/50 (6%)	1/50 (2%)
POLY-3 RATE (b)	2/42.11	5/47.55	3/42.39	1/36.57
POLY-3 PERCENT (g)	4.8%	10.5%	7.1%	2.7%
TERMINAL (d)	2/29 (7%)	4/40 (10%)	1/32 (3%)	0/19 (0%)
FIRST INCIDENCE	729 (T)	639	599	705
STATISTICAL TESTS				
POLY 3	P=0.322N	P=0.268	P=0.503	P=0.549N
POLY 1.5	P=0.288N	P=0.246	P=0.500	P=0.527N
POLY 6	P=0.372N	P=0.298	P=0.512	P=0.582N
COCH-ARM / FISHERS	P=0.248N	P=0.218	P=0.500	P=0.500N
MAX-ISO-POLY-3	P=0.335N	P=0.171	P=0.326	P=0.333N

Experiment Number: 20303 - 06
 Test Type: CHRONIC
 Route: RESPIRATORY EXPOSURE WHOLE BODY
 Species/Strain: MICE/B6C3F1

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

Vinylidene chloride
 CAS Number: 75-35-4

Date Report Requested: 03/26/2012
 Time Report Requested: 12:00:38
 First Dose M/F: 06/20/05 / 06/20/05
 Lab: BNW

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

DOSE	Males			
	Control	6.25 ppm	12.5 ppm	25 ppm
Testes: Interstitial Cell Hyperplasia				
LESION RATES				
OVERALL (a)	0/50 (0%)	1/50 (2%)	0/50 (0%)	2/50 (4%)
POLY-3 RATE (b)	0/42.11	1/47.23	0/41.50	2/37.10
POLY-3 PERCENT (g)	0%	2.1%	0%	5.4%
TERMINAL (d)	0/29 (0%)	1/40 (3%)	0/32 (0%)	1/19 (5%)
FIRST INCIDENCE	---	729 (T)	---	527
STATISTICAL TESTS				
POLY 3	P=0.121	P=0.523	(e)	P=0.210
POLY 1.5	P=0.129	P=0.513	(e)	P=0.222
POLY 6	P=0.112	P=0.534	(e)	P=0.192
COCH-ARM / FISHERS	P=0.140	P=0.500	(e)	P=0.247
MAX-ISO-POLY-3	P=0.077	P=0.186	(e)	P=0.075

Experiment Number: 20303 - 06
Test Type: CHRONIC
Route: RESPIRATORY EXPOSURE WHOLE BODY
Species/Strain: MICE/B6C3F1

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

Vinylidene chloride
CAS Number: 75-35-4

Date Report Requested: 03/26/2012
Time Report Requested: 12:00:38
First Dose M/F: 06/20/05 / 06/20/05
Lab: BNW

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

DOSE	Males			
	Control	6.25 ppm	12.5 ppm	25 ppm

Thyroid Gland: Follicular Cell
Hyperplasia

LESION RATES

OVERALL (a)	0/50 (0%)	0/49 (0%)	1/50 (2%)	0/49 (0%)
POLY-3 RATE (b)	0/42.11	0/46.47	1/41.50	0/35.47
POLY-3 PERCENT (g)	0%	0%	2.4%	0%
TERMINAL (d)	0/29 (0%)	0/40 (0%)	1/32 (3%)	0/18 (0%)
FIRST INCIDENCE	---	---	729 (T)	---

STATISTICAL TESTS

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: 20303 - 06
 Test Type: CHRONIC
 Route: RESPIRATORY EXPOSURE WHOLE BODY
 Species/Strain: MICE/B6C3F1

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

Vinylidene chloride
 CAS Number: 75-35-4

Date Report Requested: 03/26/2012
 Time Report Requested: 12:00:38
 First Dose M/F: 06/20/05 / 06/20/05
 Lab: BNW

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

DOSE	Males			
	Control	6.25 ppm	12.5 ppm	25 ppm
Tooth Dysplasia				
LESION RATES				
OVERALL (a)	2/2 (100%)	2/2 (100%)	0/0 (0%)	1/1 (100%)
POLY-3 RATE (b)	2/2.00	2/2.00	0/0.00	1/1.00
POLY-3 PERCENT (g)	100%	100%	0%	100%
TERMINAL (d)	1/1 (100%)	2/2 (100%)	0/0 (0%)	1/1 (100%)
FIRST INCIDENCE	610	729 (T)	---	729 (T)
STATISTICAL TESTS				
POLY 3	(e)	(e)	(e)	(e)
POLY 1.5	(e)	(e)	(e)	(e)
POLY 6	(e)	(e)	(e)	(e)
COCH-ARM / FISHERS	(e)	(e)	(e)	(e)
MAX-ISO-POLY-3	(e)	(e)	(e)	(e)

Experiment Number: 20303 - 06
Test Type: CHRONIC
Route: RESPIRATORY EXPOSURE WHOLE BODY
Species/Strain: MICE/B6C3F1

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

Vinylidene chloride
CAS Number: 75-35-4

Date Report Requested: 03/26/2012
Time Report Requested: 12:00:38
First Dose M/F: 06/20/05 / 06/20/05
Lab: BNW

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

DOSE	Males			
	Control	6.25 ppm	12.5 ppm	25 ppm
Urinary Bladder: Transitional Epithelium Hyperplasia				
LESION RATES				
OVERALL (a)	0/50 (0%)	2/50 (4%)	3/50 (6%)	1/49 (2%)
POLY-3 RATE (b)	0/42.11	2/47.61	3/43.48	1/36.20
POLY-3 PERCENT (g)	0%	4.2%	6.9%	2.8%
TERMINAL (d)	0/29 (0%)	1/40 (3%)	0/32 (0%)	0/19 (0%)
FIRST INCIDENCE	---	619	428	704
STATISTICAL TESTS				
POLY 3	P=0.343	P=0.266	P=0.124	P=0.470
POLY 1.5	P=0.385	P=0.254	P=0.122	P=0.482
POLY 6	P=0.284	P=0.281	P=0.129	P=0.452
COCH-ARM / FISHERS	P=0.437	P=0.247	P=0.121	P=0.495
MAX-ISO-POLY-3	P=0.227	P=0.103	P=0.042*	P=0.157

Experiment Number: 20303 - 06
Test Type: CHRONIC
Route: RESPIRATORY EXPOSURE WHOLE BODY
Species/Strain: MICE/B6C3F1

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

Vinylidene chloride
CAS Number: 75-35-4

Date Report Requested: 03/26/2012
Time Report Requested: 12:00:38
First Dose M/F: 06/20/05 / 06/20/05
Lab: BNW

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

DOSE	Females			
	Control	6.25 ppm	12.5 ppm	25 ppm
Adrenal Cortex Hyperplasia				
LESION RATES				
OVERALL (a)	6/50 (12%)	6/49 (12%)	8/50 (16%)	8/49 (16%)
POLY-3 RATE (b)	6/44.75	6/39.20	8/43.63	8/38.58
POLY-3 PERCENT (g)	13.4%	15.3%	18.3%	20.7%
TERMINAL (d)	3/36 (8%)	4/25 (16%)	7/30 (23%)	4/24 (17%)
FIRST INCIDENCE	491	603	392	564
STATISTICAL TESTS				
POLY 3	P=0.208	P=0.526	P=0.366	P=0.276
POLY 1.5	P=0.236	P=0.565	P=0.381	P=0.313
POLY 6	P=0.178	P=0.467	P=0.332	P=0.237
COCH-ARM / FISHERS	P=0.280	P=0.606	P=0.387	P=0.371
MAX-ISO-POLY-3	P=0.327	P=0.406	P=0.266	P=0.203

Experiment Number: 20303 - 06
 Test Type: CHRONIC
 Route: RESPIRATORY EXPOSURE WHOLE BODY
 Species/Strain: MICE/B6C3F1

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
 Vinylidene chloride
 CAS Number: 75-35-4

Date Report Requested: 03/26/2012
 Time Report Requested: 12:00:38
 First Dose M/F: 06/20/05 / 06/20/05
 Lab: BNW

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

DOSE	Females			
	Control	6.25 ppm	12.5 ppm	25 ppm
Adrenal Cortex Hypertrophy				
LESION RATES				
OVERALL (a)	4/50 (8%)	0/49 (0%)	5/50 (10%)	3/49 (6%)
POLY-3 RATE (b)	4/44.41	0/38.61	5/43.63	3/37.17
POLY-3 PERCENT (g)	9%	0%	11.5%	8.1%
TERMINAL (d)	2/36 (6%)	0/25 (0%)	4/30 (13%)	3/24 (13%)
FIRST INCIDENCE	509	---	392	731 (T)
STATISTICAL TESTS				
POLY 3	P=0.433	P=0.080N	P=0.489	P=0.596N
POLY 1.5	P=0.457	P=0.071N	P=0.498	P=0.560N
POLY 6	P=0.404	P=0.095N	P=0.465	P=0.639N
COCH-ARM / FISHERS	P=0.493	P=0.061N	P=0.500	P=0.511N
MAX-ISO-POLY-3	P=0.338	P=0.035N*	P=0.353	P=0.444N

Experiment Number: 20303 - 06
 Test Type: CHRONIC
 Route: RESPIRATORY EXPOSURE WHOLE BODY
 Species/Strain: MICE/B6C3F1

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

Vinylidene chloride
 CAS Number: 75-35-4

Date Report Requested: 03/26/2012
 Time Report Requested: 12:00:38
 First Dose M/F: 06/20/05 / 06/20/05
 Lab: BNW

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

DOSE	Females			
	Control	6.25 ppm	12.5 ppm	25 ppm
Adrenal Medulla Hyperplasia				
LESION RATES				
OVERALL (a)	1/50 (2%)	3/48 (6%)	1/50 (2%)	4/49 (8%)
POLY-3 RATE (b)	1/43.32	3/38.70	1/43.01	4/38.21
POLY-3 PERCENT (g)	2.3%	7.8%	2.3%	10.5%
TERMINAL (d)	1/36 (3%)	0/24 (0%)	0/30 (0%)	2/24 (8%)
FIRST INCIDENCE	731 (T)	600	670	415
STATISTICAL TESTS				
POLY 3	P=0.137	P=0.265	P=0.759	P=0.142
POLY 1.5	P=0.147	P=0.278	P=0.760N	P=0.155
POLY 6	P=0.125	P=0.247	P=0.754	P=0.127
COCH-ARM / FISHERS	P=0.162	P=0.293	P=0.753N	P=0.175
MAX-ISO-POLY-3	P=0.101	P=0.137	P=0.497	P=0.073

Experiment Number: 20303 - 06
 Test Type: CHRONIC
 Route: RESPIRATORY EXPOSURE WHOLE BODY
 Species/Strain: MICE/B6C3F1

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
 Vinylidene chloride
 CAS Number: 75-35-4

Date Report Requested: 03/26/2012
 Time Report Requested: 12:00:38
 First Dose M/F: 06/20/05 / 06/20/05
 Lab: BNW

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

DOSE	Females			
	Control	6.25 ppm	12.5 ppm	25 ppm
Bone Marrow: Myeloid Cell Hyperplasia				
LESION RATES				
OVERALL (a)	0/50 (0%)	1/49 (2%)	2/50 (4%)	1/50 (2%)
POLY-3 RATE (b)	0/43.32	1/39.84	2/43.02	1/38.17
POLY-3 PERCENT (g)	0%	2.5%	4.7%	2.6%
TERMINAL (d)	0/36 (0%)	0/25 (0%)	1/30 (3%)	0/24 (0%)
FIRST INCIDENCE	---	478	668	715
STATISTICAL TESTS				
POLY 3	P=0.311	P=0.483	P=0.235	P=0.475
POLY 1.5	P=0.335	P=0.490	P=0.237	P=0.485
POLY 6	P=0.285	P=0.471	P=0.230	P=0.462
COCH-ARM / FISHERS	P=0.369	P=0.495	P=0.247	P=0.500
MAX-ISO-POLY-3	P=0.254	P=0.157	P=0.076	P=0.158

Experiment Number: 20303 - 06
 Test Type: CHRONIC
 Route: RESPIRATORY EXPOSURE WHOLE BODY
 Species/Strain: MICE/B6C3F1

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

Vinylidene chloride
 CAS Number: 75-35-4

Date Report Requested: 03/26/2012
 Time Report Requested: 12:00:38
 First Dose M/F: 06/20/05 / 06/20/05
 Lab: BNW

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

DOSE	Females			
	Control	6.25 ppm	12.5 ppm	25 ppm
Harderian Gland Hyperplasia				
LESION RATES				
OVERALL (a)	1/50 (2%)	1/50 (2%)	2/50 (4%)	2/48 (4%)
POLY-3 RATE (b)	1/43.32	1/39.50	2/42.78	2/36.85
POLY-3 PERCENT (g)	2.3%	2.5%	4.7%	5.4%
TERMINAL (d)	1/36 (3%)	1/25 (4%)	2/30 (7%)	2/24 (8%)
FIRST INCIDENCE	731 (T)	731 (T)	731 (T)	731 (T)
STATISTICAL TESTS				
POLY 3	P=0.285	P=0.740	P=0.496	P=0.444
POLY 1.5	P=0.301	P=0.750	P=0.500	P=0.462
POLY 6	P=0.267	P=0.722	P=0.485	P=0.422
COCH-ARM / FISHERS	P=0.322	P=0.753N	P=0.500	P=0.485
MAX-ISO-POLY-3	P=0.400	P=0.474	P=0.278	P=0.249

Experiment Number: 20303 - 06
 Test Type: CHRONIC
 Route: RESPIRATORY EXPOSURE WHOLE BODY
 Species/Strain: MICE/B6C3F1

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
 Vinylidene chloride
 CAS Number: 75-35-4

Date Report Requested: 03/26/2012
 Time Report Requested: 12:00:38
 First Dose M/F: 06/20/05 / 06/20/05
 Lab: BNW

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

DOSE	Females			
	Control	6.25 ppm	12.5 ppm	25 ppm
Harderian Gland Inflammation Chronic				
LESION RATES				
OVERALL (a)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/48 (0%)
POLY-3 RATE (b)	0/43.32	0/39.50	0/42.78	0/36.85
POLY-3 PERCENT (g)	0%	0%	0%	0%
TERMINAL (d)	0/36 (0%)	0/25 (0%)	0/30 (0%)	0/24 (0%)
FIRST INCIDENCE	---	---	---	---
STATISTICAL TESTS				
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: 20303 - 06
 Test Type: CHRONIC
 Route: RESPIRATORY EXPOSURE WHOLE BODY
 Species/Strain: MICE/B6C3F1

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

Vinylidene chloride
 CAS Number: 75-35-4

Date Report Requested: 03/26/2012
 Time Report Requested: 12:00:38
 First Dose M/F: 06/20/05 / 06/20/05
 Lab: BNW

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

DOSE	Females			
	Control	6.25 ppm	12.5 ppm	25 ppm
Heart				
Cardiomyopathy				
LESION RATES				
OVERALL (a)	9/50 (18%)	12/50 (24%)	12/50 (24%)	9/50 (18%)
POLY-3 RATE (b)	9/45.53	12/40.37	12/44.15	9/40.87
POLY-3 PERCENT (g)	19.8%	29.7%	27.2%	22%
TERMINAL (d)	6/36 (17%)	8/25 (32%)	9/30 (30%)	4/24 (17%)
FIRST INCIDENCE	325	648	392	502
STATISTICAL TESTS				
POLY 3	P=0.514	P=0.205	P=0.281	P=0.503
POLY 1.5	P=0.539N	P=0.249	P=0.297	P=0.541
POLY 6	P=0.470	P=0.154	P=0.253	P=0.461
COCH-ARM / FISHERS	P=0.477N	P=0.312	P=0.312	P=0.602N
MAX-ISO-POLY-3	P=0.402	P=0.154	P=0.207	P=0.401

Experiment Number: 20303 - 06
 Test Type: CHRONIC
 Route: RESPIRATORY EXPOSURE WHOLE BODY
 Species/Strain: MICE/B6C3F1

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

Vinylidene chloride
 CAS Number: 75-35-4

Date Report Requested: 03/26/2012
 Time Report Requested: 12:00:38
 First Dose M/F: 06/20/05 / 06/20/05
 Lab: BNW

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

DOSE	Females			
	Control	6.25 ppm	12.5 ppm	25 ppm
Heart Mineralization				
LESION RATES				
OVERALL (a)	2/50 (4%)	1/50 (2%)	0/50 (0%)	0/50 (0%)
POLY-3 RATE (b)	2/44.31	1/39.50	0/42.78	0/38.11
POLY-3 PERCENT (g)	4.5%	2.5%	0%	0%
TERMINAL (d)	0/36 (0%)	1/25 (4%)	0/30 (0%)	0/24 (0%)
FIRST INCIDENCE	572	731 (T)	---	---
STATISTICAL TESTS				
POLY 3	P=0.101N	P=0.540N	P=0.245N	P=0.272N
POLY 1.5	P=0.101N	P=0.520N	P=0.240N	P=0.257N
POLY 6	P=0.102N	P=0.570N	P=0.255N	P=0.292N
COCH-ARM / FISHERS	P=0.101N	P=0.500N	P=0.247N	P=0.247N
MAX-ISO-POLY-3	P=0.123N	P=0.323N	P=0.083N	P=0.109N

Experiment Number: 20303 - 06
 Test Type: CHRONIC
 Route: RESPIRATORY EXPOSURE WHOLE BODY
 Species/Strain: MICE/B6C3F1

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

Vinylidene chloride
 CAS Number: 75-35-4

Date Report Requested: 03/26/2012
 Time Report Requested: 12:00:38
 First Dose M/F: 06/20/05 / 06/20/05
 Lab: BNW

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

DOSE	Females			
	Control	6.25 ppm	12.5 ppm	25 ppm
Heart Thrombosis				
LESION RATES				
OVERALL (a)	0/50 (0%)	2/50 (4%)	1/50 (2%)	3/50 (6%)
POLY-3 RATE (b)	0/43.32	2/40.07	1/43.23	3/38.80
POLY-3 PERCENT (g)	0%	5%	2.3%	7.7%
TERMINAL (d)	0/36 (0%)	1/25 (4%)	0/30 (0%)	1/24 (4%)
FIRST INCIDENCE	---	554	599	519
STATISTICAL TESTS				
POLY 3	P=0.085	P=0.220	P=0.500	P=0.100
POLY 1.5	P=0.093	P=0.229	P=0.501	P=0.107
POLY 6	P=0.077	P=0.206	P=0.495	P=0.091
COCH-ARM / FISHERS	P=0.104	P=0.247	P=0.500	P=0.121
MAX-ISO-POLY-3	P=0.059	P=0.075	P=0.158	P=0.037*

Experiment Number: 20303 - 06
 Test Type: CHRONIC
 Route: RESPIRATORY EXPOSURE WHOLE BODY
 Species/Strain: MICE/B6C3F1

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

Vinylidene chloride
 CAS Number: 75-35-4

Date Report Requested: 03/26/2012
 Time Report Requested: 12:00:38
 First Dose M/F: 06/20/05 / 06/20/05
 Lab: BNW

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

DOSE	Females			
	Control	6.25 ppm	12.5 ppm	25 ppm
Heart: Artery				
Inflammation Chronic				
LESION RATES				
OVERALL (a)	2/50 (4%)	2/50 (4%)	0/50 (0%)	0/50 (0%)
POLY-3 RATE (b)	2/44.59	2/40.29	0/42.78	0/38.11
POLY-3 PERCENT (g)	4.5%	5%	0%	0%
TERMINAL (d)	0/36 (0%)	0/25 (0%)	0/30 (0%)	0/24 (0%)
FIRST INCIDENCE	325	554	---	---
STATISTICAL TESTS				
POLY 3	P=0.094N	P=0.657	P=0.246N	P=0.274N
POLY 1.5	P=0.091N	P=0.674	P=0.242N	P=0.259N
POLY 6	P=0.100N	P=0.631	P=0.255N	P=0.293N
COCH-ARM / FISHERS	P=0.086N	P=0.691N	P=0.247N	P=0.247N
MAX-ISO-POLY-3	P=0.149N	P=0.460	P=0.085N	P=0.110N

Experiment Number: 20303 - 06
 Test Type: CHRONIC
 Route: RESPIRATORY EXPOSURE WHOLE BODY
 Species/Strain: MICE/B6C3F1

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

Vinylidene chloride
 CAS Number: 75-35-4

Date Report Requested: 03/26/2012
 Time Report Requested: 12:00:38
 First Dose M/F: 06/20/05 / 06/20/05
 Lab: BNW

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

DOSE	Females			
	Control	6.25 ppm	12.5 ppm	25 ppm
Intestine Large, Cecum Necrosis				
LESION RATES				
OVERALL (a)	0/49 (0%)	0/48 (0%)	2/45 (4%)	0/45 (0%)
POLY-3 RATE (b)	0/42.62	0/38.69	2/40.15	0/36.10
POLY-3 PERCENT (g)	0%	0%	5%	0%
TERMINAL (d)	0/36 (0%)	0/25 (0%)	1/30 (3%)	0/24 (0%)
FIRST INCIDENCE	---	---	536	---
STATISTICAL TESTS				
POLY 3	P=0.535	(e)	P=0.223	(e)
POLY 1.5	P=0.554	(e)	P=0.223	(e)
POLY 6	P=0.509	(e)	P=0.221	(e)
COCH-ARM / FISHERS	P=0.577	(e)	P=0.226	(e)
MAX-ISO-POLY-3	P=0.265	(e)	P=0.071	(e)

Experiment Number: 20303 - 06
 Test Type: CHRONIC
 Route: RESPIRATORY EXPOSURE WHOLE BODY
 Species/Strain: MICE/B6C3F1

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

Vinylidene chloride
 CAS Number: 75-35-4

Date Report Requested: 03/26/2012
 Time Report Requested: 12:00:38
 First Dose M/F: 06/20/05 / 06/20/05
 Lab: BNW

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

DOSE	Females			
	Control	6.25 ppm	12.5 ppm	25 ppm
Intestine Small, Ileum Hyperplasia				
LESION RATES				
OVERALL (a)	0/49 (0%)	1/48 (2%)	2/45 (4%)	0/45 (0%)
POLY-3 RATE (b)	0/42.62	1/39.16	2/39.88	0/36.17
POLY-3 PERCENT (g)	0%	2.6%	5%	0%
TERMINAL (d)	0/36 (0%)	0/25 (0%)	1/30 (3%)	0/24 (0%)
FIRST INCIDENCE	---	592	639	---
STATISTICAL TESTS				
POLY 3	P=0.626	P=0.483	P=0.222	(e)
POLY 1.5	P=0.645	P=0.490	P=0.222	(e)
POLY 6	P=0.599	P=0.471	P=0.220	(e)
COCH-ARM / FISHERS	P=0.638N	P=0.495	P=0.226	(e)
MAX-ISO-POLY-3	P=0.343	P=0.157	P=0.071	(e)

Experiment Number: 20303 - 06
 Test Type: CHRONIC
 Route: RESPIRATORY EXPOSURE WHOLE BODY
 Species/Strain: MICE/B6C3F1

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

Vinylidene chloride
 CAS Number: 75-35-4

Date Report Requested: 03/26/2012
 Time Report Requested: 12:00:38
 First Dose M/F: 06/20/05 / 06/20/05
 Lab: BNW

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

DOSE	Females			
	Control	6.25 ppm	12.5 ppm	25 ppm
Islets, Pancreatic Hyperplasia				
LESION RATES				
OVERALL (a)	1/50 (2%)	1/49 (2%)	1/50 (2%)	3/50 (6%)
POLY-3 RATE (b)	1/43.32	1/39.59	1/42.78	3/39.21
POLY-3 PERCENT (g)	2.3%	2.5%	2.3%	7.7%
TERMINAL (d)	1/36 (3%)	0/25 (0%)	1/30 (3%)	1/24 (4%)
FIRST INCIDENCE	731 (T)	592	731 (T)	556
STATISTICAL TESTS				
POLY 3	P=0.150	P=0.741	P=0.758	P=0.270
POLY 1.5	P=0.156	P=0.749	P=0.760	P=0.285
POLY 6	P=0.143	P=0.727	P=0.752	P=0.253
COCH-ARM / FISHERS	P=0.165	P=0.747	P=0.753N	P=0.309
MAX-ISO-POLY-3	P=0.175	P=0.474	P=0.496	P=0.142

Experiment Number: 20303 - 06
 Test Type: CHRONIC
 Route: RESPIRATORY EXPOSURE WHOLE BODY
 Species/Strain: MICE/B6C3F1

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

Vinylidene chloride
 CAS Number: 75-35-4

Date Report Requested: 03/26/2012
 Time Report Requested: 12:00:38
 First Dose M/F: 06/20/05 / 06/20/05
 Lab: BNW

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

DOSE	Females			
	Control	6.25 ppm	12.5 ppm	25 ppm
Kidney Cyst				
LESION RATES				
OVERALL (a)	0/50 (0%)	2/50 (4%)	1/50 (2%)	0/50 (0%)
POLY-3 RATE (b)	0/43.32	2/40.50	1/42.78	0/38.11
POLY-3 PERCENT (g)	0%	4.9%	2.3%	0%
TERMINAL (d)	0/36 (0%)	0/25 (0%)	1/30 (3%)	0/24 (0%)
FIRST INCIDENCE	---	563	731 (T)	---
STATISTICAL TESTS				
POLY 3	P=0.506N	P=0.222	P=0.498	(e)
POLY 1.5	P=0.486N	P=0.230	P=0.500	(e)
POLY 6	P=0.532N	P=0.210	P=0.491	(e)
COCH-ARM / FISHERS	P=0.461N	P=0.247	P=0.500	(e)
MAX-ISO-POLY-3	P=0.354	P=0.075	P=0.158	(e)

Experiment Number: 20303 - 06
 Test Type: CHRONIC
 Route: RESPIRATORY EXPOSURE WHOLE BODY
 Species/Strain: MICE/B6C3F1

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
 Vinylidene chloride
 CAS Number: 75-35-4

Date Report Requested: 03/26/2012
 Time Report Requested: 12:00:38
 First Dose M/F: 06/20/05 / 06/20/05
 Lab: BNW

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

DOSE	Females			
	Control	6.25 ppm	12.5 ppm	25 ppm
Kidney				
Hydronephrosis				
LESION RATES				
OVERALL (a)	2/50 (4%)	0/50 (0%)	1/50 (2%)	3/50 (6%)
POLY-3 RATE (b)	2/44.46	0/39.50	1/42.78	3/39.33
POLY-3 PERCENT (g)	4.5%	0%	2.3%	7.6%
TERMINAL (d)	0/36 (0%)	0/25 (0%)	1/30 (3%)	1/24 (4%)
FIRST INCIDENCE	440	---	731 (T)	413
STATISTICAL TESTS				
POLY 3	P=0.233	P=0.264N	P=0.513N	P=0.444
POLY 1.5	P=0.236	P=0.251N	P=0.506N	P=0.468
POLY 6	P=0.229	P=0.285N	P=0.528N	P=0.416
COCH-ARM / FISHERS	P=0.242	P=0.247N	P=0.500N	P=0.500
MAX-ISO-POLY-3	P=0.178	P=0.101N	P=0.295N	P=0.287

Experiment Number: 20303 - 06
 Test Type: CHRONIC
 Route: RESPIRATORY EXPOSURE WHOLE BODY
 Species/Strain: MICE/B6C3F1

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

Vinylidene chloride
 CAS Number: 75-35-4

Date Report Requested: 03/26/2012
 Time Report Requested: 12:00:38
 First Dose M/F: 06/20/05 / 06/20/05
 Lab: BNW

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

DOSE	Females			
	Control	6.25 ppm	12.5 ppm	25 ppm
Kidney Infarct				
LESION RATES				
OVERALL (a)	5/50 (10%)	5/50 (10%)	2/50 (4%)	0/50 (0%)
POLY-3 RATE (b)	5/43.62	5/40.04	2/43.39	0/38.11
POLY-3 PERCENT (g)	11.5%	12.5%	4.6%	0%
TERMINAL (d)	4/36 (11%)	3/25 (12%)	1/30 (3%)	0/24 (0%)
FIRST INCIDENCE	647	584	536	---
STATISTICAL TESTS				
POLY 3	P=0.017N*	P=0.576	P=0.217N	P=0.043N*
POLY 1.5	P=0.015N*	P=0.604	P=0.215N	P=0.037N*
POLY 6	P=0.021N*	P=0.530	P=0.228N	P=0.052N
COCH-ARM / FISHERS	P=0.013N*	P=0.630N	P=0.218N	P=0.028N*
MAX-ISO-POLY-3	P=0.026N*	P=0.444	P=0.121N	P=0.020N*

Experiment Number: 20303 - 06
 Test Type: CHRONIC
 Route: RESPIRATORY EXPOSURE WHOLE BODY
 Species/Strain: MICE/B6C3F1

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

Vinylidene chloride
 CAS Number: 75-35-4

Date Report Requested: 03/26/2012
 Time Report Requested: 12:00:38
 First Dose M/F: 06/20/05 / 06/20/05
 Lab: BNW

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

DOSE	Females			
	Control	6.25 ppm	12.5 ppm	25 ppm
Kidney				
Metaplasia Osseous				
LESION RATES				
OVERALL (a)	3/50 (6%)	0/50 (0%)	2/50 (4%)	3/50 (6%)
POLY-3 RATE (b)	3/43.32	0/39.50	2/42.78	3/38.43
POLY-3 PERCENT (g)	6.9%	0%	4.7%	7.8%
TERMINAL (d)	3/36 (8%)	0/25 (0%)	2/30 (7%)	2/24 (8%)
FIRST INCIDENCE	731 (T)	---	731 (T)	640
STATISTICAL TESTS				
POLY 3	P=0.383	P=0.136N	P=0.506N	P=0.606
POLY 1.5	P=0.390	P=0.127N	P=0.501N	P=0.630
POLY 6	P=0.377	P=0.151N	P=0.520N	P=0.577
COCH-ARM / FISHERS	P=0.404	P=0.121N	P=0.500N	P=0.661N
MAX-ISO-POLY-3	P=0.332	P=0.052N	P=0.329N	P=0.442

Experiment Number: 20303 - 06
 Test Type: CHRONIC
 Route: RESPIRATORY EXPOSURE WHOLE BODY
 Species/Strain: MICE/B6C3F1

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
 Vinylidene chloride
 CAS Number: 75-35-4

Date Report Requested: 03/26/2012
 Time Report Requested: 12:00:38
 First Dose M/F: 06/20/05 / 06/20/05
 Lab: BNW

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

DOSE	Females			
	Control	6.25 ppm	12.5 ppm	25 ppm
Kidney Nephropathy				
LESION RATES				
OVERALL (a)	26/50 (52%)	28/50 (56%)	38/50 (76%)	35/50 (70%)
POLY-3 RATE (b)	26/45.89	28/42.66	38/47.68	35/45.14
POLY-3 PERCENT (g)	56.7%	65.6%	79.7%	77.5%
TERMINAL (d)	20/36 (56%)	19/25 (76%)	24/30 (80%)	19/24 (79%)
FIRST INCIDENCE	440	563	392	413
STATISTICAL TESTS				
POLY 3	P=0.009**	P=0.250	P=0.011*	P=0.022*
POLY 1.5	P=0.012*	P=0.328	P=0.010**	P=0.031*
POLY 6	P=0.007**	P=0.159	P=0.011*	P=0.015*
COCH-ARM / FISHERS	P=0.020*	P=0.421	P=0.011*	P=0.050*
MAX-ISO-POLY-3	P=0.011*	P=0.192	P=0.006**	P=0.013*

Experiment Number: 20303 - 06
 Test Type: CHRONIC
 Route: RESPIRATORY EXPOSURE WHOLE BODY
 Species/Strain: MICE/B6C3F1

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

Vinylidene chloride
 CAS Number: 75-35-4

Date Report Requested: 03/26/2012
 Time Report Requested: 12:00:38
 First Dose M/F: 06/20/05 / 06/20/05
 Lab: BNW

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

DOSE	Females			
	Control	6.25 ppm	12.5 ppm	25 ppm
Kidney: Artery Inflammation Chronic				
LESION RATES				
OVERALL (a)	2/50 (4%)	3/50 (6%)	0/50 (0%)	1/50 (2%)
POLY-3 RATE (b)	2/44.23	3/39.72	0/42.78	1/38.11
POLY-3 PERCENT (g)	4.5%	7.6%	0%	2.6%
TERMINAL (d)	1/36 (3%)	2/25 (8%)	0/30 (0%)	1/24 (4%)
FIRST INCIDENCE	325	673	---	731 (T)
STATISTICAL TESTS				
POLY 3	P=0.266N	P=0.451	P=0.244N	P=0.552N
POLY 1.5	P=0.256N	P=0.473	P=0.241N	P=0.531N
POLY 6	P=0.280N	P=0.419	P=0.252N	P=0.576N
COCH-ARM / FISHERS	P=0.242N	P=0.500	P=0.247N	P=0.500N
MAX-ISO-POLY-3	P=0.233N	P=0.291	P=0.083N	P=0.336N

Experiment Number: 20303 - 06
 Test Type: CHRONIC
 Route: RESPIRATORY EXPOSURE WHOLE BODY
 Species/Strain: MICE/B6C3F1

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

Vinylidene chloride
 CAS Number: 75-35-4

Date Report Requested: 03/26/2012
 Time Report Requested: 12:00:38
 First Dose M/F: 06/20/05 / 06/20/05
 Lab: BNW

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

DOSE	Females			
	Control	6.25 ppm	12.5 ppm	25 ppm
Kidney: Renal Tubule Hyperplasia				
LESION RATES				
OVERALL (a)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
POLY-3 RATE (b)	0/43.32	0/39.50	0/42.78	0/38.11
POLY-3 PERCENT (g)	0%	0%	0%	0%
TERMINAL (d)	0/36 (0%)	0/25 (0%)	0/30 (0%)	0/24 (0%)
FIRST INCIDENCE	---	---	---	---
STATISTICAL TESTS				
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: 20303 - 06
Test Type: CHRONIC
Route: RESPIRATORY EXPOSURE WHOLE BODY
Species/Strain: MICE/B6C3F1

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

Vinylidene chloride
CAS Number: 75-35-4

Date Report Requested: 03/26/2012
Time Report Requested: 12:00:38
First Dose M/F: 06/20/05 / 06/20/05
Lab: BNW

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

DOSE	Females			
	Control	6.25 ppm	12.5 ppm	25 ppm
Larynx				
Foreign Body				
LESION RATES				
OVERALL (a)	0/50 (0%)	0/50 (0%)	0/49 (0%)	0/49 (0%)
POLY-3 RATE (b)	0/43.32	0/39.50	0/41.78	0/37.17
POLY-3 PERCENT (g)	0%	0%	0%	0%
TERMINAL (d)	0/36 (0%)	0/25 (0%)	0/29 (0%)	0/24 (0%)
FIRST INCIDENCE	---	---	---	---
STATISTICAL TESTS				
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: 20303 - 06
 Test Type: CHRONIC
 Route: RESPIRATORY EXPOSURE WHOLE BODY
 Species/Strain: MICE/B6C3F1

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
 Vinylidene chloride
 CAS Number: 75-35-4

Date Report Requested: 03/26/2012
 Time Report Requested: 12:00:38
 First Dose M/F: 06/20/05 / 06/20/05
 Lab: BNW

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

DOSE	Females			
	Control	6.25 ppm	12.5 ppm	25 ppm
Larynx Inflammation				
LESION RATES				
OVERALL (a)	0/50 (0%)	1/50 (2%)	0/49 (0%)	0/49 (0%)
POLY-3 RATE (b)	0/43.32	1/39.66	0/41.78	0/37.17
POLY-3 PERCENT (g)	0%	2.5%	0%	0%
TERMINAL (d)	0/36 (0%)	0/25 (0%)	0/29 (0%)	0/24 (0%)
FIRST INCIDENCE	---	690	---	---
STATISTICAL TESTS				
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: 20303 - 06
 Test Type: CHRONIC
 Route: RESPIRATORY EXPOSURE WHOLE BODY
 Species/Strain: MICE/B6C3F1

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

Vinylidene chloride
 CAS Number: 75-35-4

Date Report Requested: 03/26/2012
 Time Report Requested: 12:00:38
 First Dose M/F: 06/20/05 / 06/20/05
 Lab: BNW

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

DOSE	Females			
	Control	6.25 ppm	12.5 ppm	25 ppm
Larynx Metaplasia				
LESION RATES				
OVERALL (a)	2/50 (4%)	0/50 (0%)	1/49 (2%)	1/49 (2%)
POLY-3 RATE (b)	2/43.32	0/39.50	1/42.63	1/37.85
POLY-3 PERCENT (g)	4.6%	0%	2.4%	2.6%
TERMINAL (d)	2/36 (6%)	0/25 (0%)	0/29 (0%)	0/24 (0%)
FIRST INCIDENCE	731 (T)	---	392	502
STATISTICAL TESTS				
POLY 3	P=0.505N	P=0.258N	P=0.506N	P=0.547N
POLY 1.5	P=0.507N	P=0.247N	P=0.503N	P=0.530N
POLY 6	P=0.502N	P=0.276N	P=0.515N	P=0.568N
COCH-ARM / FISHERS	P=0.507N	P=0.247N	P=0.508N	P=0.508N
MAX-ISO-POLY-3	P=0.343N	P=0.096N	P=0.286N	P=0.330N

Experiment Number: 20303 - 06
 Test Type: CHRONIC
 Route: RESPIRATORY EXPOSURE WHOLE BODY
 Species/Strain: MICE/B6C3F1

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
 Vinylidene chloride
 CAS Number: 75-35-4

Date Report Requested: 03/26/2012
 Time Report Requested: 12:00:38
 First Dose M/F: 06/20/05 / 06/20/05
 Lab: BNW

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

DOSE	Females			
	Control	6.25 ppm	12.5 ppm	25 ppm
Liver				
Angiectasis				
LESION RATES				
OVERALL (a)	1/50 (2%)	1/50 (2%)	0/50 (0%)	2/50 (4%)
POLY-3 RATE (b)	1/43.32	1/39.50	0/42.78	2/38.11
POLY-3 PERCENT (g)	2.3%	2.5%	0%	5.3%
TERMINAL (d)	1/36 (3%)	1/25 (4%)	0/30 (0%)	2/24 (8%)
FIRST INCIDENCE	731 (T)	731 (T)	---	731 (T)
STATISTICAL TESTS				
POLY 3	P=0.347	P=0.740	P=0.502N	P=0.455
POLY 1.5	P=0.355	P=0.750	P=0.500N	P=0.474
POLY 6	P=0.337	P=0.722	P=0.509N	P=0.432
COCH-ARM / FISHERS	P=0.366	P=0.753N	P=0.500N	P=0.500
MAX-ISO-POLY-3	P=0.258	P=0.474	P=0.162N	P=0.257

Experiment Number: 20303 - 06
 Test Type: CHRONIC
 Route: RESPIRATORY EXPOSURE WHOLE BODY
 Species/Strain: MICE/B6C3F1

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

Vinylidene chloride
 CAS Number: 75-35-4

Date Report Requested: 03/26/2012
 Time Report Requested: 12:00:38
 First Dose M/F: 06/20/05 / 06/20/05
 Lab: BNW

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

DOSE	Females			
	Control	6.25 ppm	12.5 ppm	25 ppm
Liver				
Basophilic Focus				
LESION RATES				
OVERALL (a)	1/50 (2%)	4/50 (8%)	0/50 (0%)	3/50 (6%)
POLY-3 RATE (b)	1/43.66	4/39.83	0/42.78	3/38.88
POLY-3 PERCENT (g)	2.3%	10%	0%	7.7%
TERMINAL (d)	0/36 (0%)	3/25 (12%)	0/30 (0%)	2/24 (8%)
FIRST INCIDENCE	635	642	---	443
STATISTICAL TESTS				
POLY 3	P=0.359	P=0.151	P=0.504N	P=0.265
POLY 1.5	P=0.378	P=0.165	P=0.501N	P=0.282
POLY 6	P=0.331	P=0.132	P=0.511N	P=0.243
COCH-ARM / FISHERS	P=0.404	P=0.181	P=0.500N	P=0.309
MAX-ISO-POLY-3	P=0.222	P=0.076	P=0.164N	P=0.140

Experiment Number: 20303 - 06
 Test Type: CHRONIC
 Route: RESPIRATORY EXPOSURE WHOLE BODY
 Species/Strain: MICE/B6C3F1

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

Vinylidene chloride
 CAS Number: 75-35-4

Date Report Requested: 03/26/2012
 Time Report Requested: 12:00:38
 First Dose M/F: 06/20/05 / 06/20/05
 Lab: BNW

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

DOSE	Females			
	Control	6.25 ppm	12.5 ppm	25 ppm
Liver				
Clear Cell Focus				
LESION RATES				
OVERALL (a)	5/50 (10%)	2/50 (4%)	6/50 (12%)	3/50 (6%)
POLY-3 RATE (b)	5/43.98	2/39.80	6/43.58	3/38.11
POLY-3 PERCENT (g)	11.4%	5%	13.8%	7.9%
TERMINAL (d)	4/36 (11%)	1/25 (4%)	3/30 (10%)	3/24 (13%)
FIRST INCIDENCE	509	649	632	731 (T)
STATISTICAL TESTS				
POLY 3	P=0.494N	P=0.258N	P=0.494	P=0.437N
POLY 1.5	P=0.469N	P=0.237N	P=0.499	P=0.403N
POLY 6	P=0.525N	P=0.291N	P=0.479	P=0.481N
COCH-ARM / FISHERS	P=0.430N	P=0.218N	P=0.500	P=0.357N
MAX-ISO-POLY-3	P=0.495N	P=0.160N	P=0.367	P=0.311N

Experiment Number: 20303 - 06
 Test Type: CHRONIC
 Route: RESPIRATORY EXPOSURE WHOLE BODY
 Species/Strain: MICE/B6C3F1

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

Vinylidene chloride
 CAS Number: 75-35-4

Date Report Requested: 03/26/2012
 Time Report Requested: 12:00:38
 First Dose M/F: 06/20/05 / 06/20/05
 Lab: BNW

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

DOSE	Females			
	Control	6.25 ppm	12.5 ppm	25 ppm
Liver Cyst				
LESION RATES				
OVERALL (a)	0/50 (0%)	0/50 (0%)	1/50 (2%)	0/50 (0%)
POLY-3 RATE (b)	0/43.32	0/39.50	1/42.78	0/38.11
POLY-3 PERCENT (g)	0%	0%	2.3%	0%
TERMINAL (d)	0/36 (0%)	0/25 (0%)	1/30 (3%)	0/24 (0%)
FIRST INCIDENCE	---	---	731 (T)	---
STATISTICAL TESTS				
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: 20303 - 06
 Test Type: CHRONIC
 Route: RESPIRATORY EXPOSURE WHOLE BODY
 Species/Strain: MICE/B6C3F1

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

Vinylidene chloride
 CAS Number: 75-35-4

Date Report Requested: 03/26/2012
 Time Report Requested: 12:00:38
 First Dose M/F: 06/20/05 / 06/20/05
 Lab: BNW

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

DOSE	Females			
	Control	6.25 ppm	12.5 ppm	25 ppm
Liver				
Eosinophilic Focus				
LESION RATES				
OVERALL (a)	9/50 (18%)	10/50 (20%)	9/50 (18%)	4/50 (8%)
POLY-3 RATE (b)	9/44.44	10/41.36	9/43.48	4/38.11
POLY-3 PERCENT (g)	20.3%	24.2%	20.7%	10.5%
TERMINAL (d)	6/36 (17%)	5/25 (20%)	7/30 (23%)	4/24 (17%)
FIRST INCIDENCE	611	563	611	731 (T)
STATISTICAL TESTS				
POLY 3	P=0.131N	P=0.429	P=0.584	P=0.182N
POLY 1.5	P=0.104N	P=0.465	P=0.597	P=0.150N
POLY 6	P=0.175N	P=0.374	P=0.551	P=0.229N
COCH-ARM / FISHERS	P=0.076N	P=0.500	P=0.602N	P=0.117N
MAX-ISO-POLY-3	P=0.170N	P=0.336	P=0.478	P=0.129N

Experiment Number: 20303 - 06
Test Type: CHRONIC
Route: RESPIRATORY EXPOSURE WHOLE BODY
Species/Strain: MICE/B6C3F1

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

Vinylidene chloride
CAS Number: 75-35-4

Date Report Requested: 03/26/2012
Time Report Requested: 12:00:38
First Dose M/F: 06/20/05 / 06/20/05
Lab: BNW

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

DOSE	Females			
	Control	6.25 ppm	12.5 ppm	25 ppm
<hr/>				
Liver				
Fatty Change				
<hr/>				
LESION RATES				
OVERALL (a)	2/50 (4%)	0/50 (0%)	2/50 (4%)	0/50 (0%)
POLY-3 RATE (b)	2/43.62	0/39.50	2/43.91	0/38.11
POLY-3 PERCENT (g)	4.6%	0%	4.6%	0%
TERMINAL (d)	1/36 (3%)	0/25 (0%)	0/30 (0%)	0/24 (0%)
FIRST INCIDENCE	649	---	392	---
<hr/>				
STATISTICAL TESTS				
POLY 3	P=0.263N	P=0.260N	P=0.692N	P=0.268N
POLY 1.5	P=0.257N	P=0.248N	P=0.690N	P=0.255N
POLY 6	P=0.270N	P=0.279N	P=0.688	P=0.286N
COCH-ARM / FISHERS	P=0.247N	P=0.247N	P=0.691N	P=0.247N
MAX-ISO-POLY-3	P=0.167N	P=0.097N	P=0.496N	P=0.105N

Experiment Number: 20303 - 06
 Test Type: CHRONIC
 Route: RESPIRATORY EXPOSURE WHOLE BODY
 Species/Strain: MICE/B6C3F1

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

Vinylidene chloride
 CAS Number: 75-35-4

Date Report Requested: 03/26/2012
 Time Report Requested: 12:00:38
 First Dose M/F: 06/20/05 / 06/20/05
 Lab: BNW

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

DOSE	Females			
	Control	6.25 ppm	12.5 ppm	25 ppm
Liver				
Inflammation Chronic				
LESION RATES				
OVERALL (a)	0/50 (0%)	0/50 (0%)	2/50 (4%)	0/50 (0%)
POLY-3 RATE (b)	0/43.32	0/39.50	2/43.62	0/38.11
POLY-3 PERCENT (g)	0%	0%	4.6%	0%
TERMINAL (d)	0/36 (0%)	0/25 (0%)	0/30 (0%)	0/24 (0%)
FIRST INCIDENCE	---	---	536	---
STATISTICAL TESTS				
POLY 3	P=0.530	(e)	P=0.239	(e)
POLY 1.5	P=0.557	(e)	P=0.239	(e)
POLY 6	P=0.497	(e)	P=0.234	(e)
COCH-ARM / FISHERS	P=0.595	(e)	P=0.247	(e)
MAX-ISO-POLY-3	P=0.278	(e)	P=0.077	(e)

Experiment Number: 20303 - 06
Test Type: CHRONIC
Route: RESPIRATORY EXPOSURE WHOLE BODY
Species/Strain: MICE/B6C3F1

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

Vinylidene chloride
CAS Number: 75-35-4

Date Report Requested: 03/26/2012
Time Report Requested: 12:00:38
First Dose M/F: 06/20/05 / 06/20/05
Lab: BNW

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

DOSE	Females			
	Control	6.25 ppm	12.5 ppm	25 ppm
<hr/>				
Liver				
Mixed Cell Focus				
<hr/>				
LESION RATES				
OVERALL (a)	0/50 (0%)	0/50 (0%)	0/50 (0%)	1/50 (2%)
POLY-3 RATE (b)	0/43.32	0/39.50	0/42.78	1/38.57
POLY-3 PERCENT (g)	0%	0%	0%	2.6%
TERMINAL (d)	0/36 (0%)	0/25 (0%)	0/30 (0%)	0/24 (0%)
FIRST INCIDENCE	---	---	---	592
<hr/>				
STATISTICAL TESTS				
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: 20303 - 06
 Test Type: CHRONIC
 Route: RESPIRATORY EXPOSURE WHOLE BODY
 Species/Strain: MICE/B6C3F1

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

Vinylidene chloride
 CAS Number: 75-35-4

Date Report Requested: 03/26/2012
 Time Report Requested: 12:00:38
 First Dose M/F: 06/20/05 / 06/20/05
 Lab: BNW

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

DOSE	Females			
	Control	6.25 ppm	12.5 ppm	25 ppm
Liver Necrosis				
LESION RATES				
OVERALL (a)	2/50 (4%)	3/50 (6%)	6/50 (12%)	3/50 (6%)
POLY-3 RATE (b)	2/44.01	3/40.83	6/44.97	3/40.02
POLY-3 PERCENT (g)	4.5%	7.4%	13.3%	7.5%
TERMINAL (d)	1/36 (3%)	0/25 (0%)	1/30 (3%)	0/24 (0%)
FIRST INCIDENCE	491	554	536	415
STATISTICAL TESTS				
POLY 3	P=0.330	P=0.466	P=0.139	P=0.457
POLY 1.5	P=0.354	P=0.483	P=0.138	P=0.475
POLY 6	P=0.302	P=0.440	P=0.137	P=0.434
COCH-ARM / FISHERS	P=0.389	P=0.500	P=0.134	P=0.500
MAX-ISO-POLY-3	P=0.274	P=0.300	P=0.075	P=0.294

Experiment Number: 20303 - 06
 Test Type: CHRONIC
 Route: RESPIRATORY EXPOSURE WHOLE BODY
 Species/Strain: MICE/B6C3F1

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

Vinylidene chloride
 CAS Number: 75-35-4

Date Report Requested: 03/26/2012
 Time Report Requested: 12:00:38
 First Dose M/F: 06/20/05 / 06/20/05
 Lab: BNW

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

DOSE	Females			
	Control	6.25 ppm	12.5 ppm	25 ppm
Lung Inflammation Chronic				
LESION RATES				
OVERALL (a)	2/50 (4%)	5/50 (10%)	3/50 (6%)	4/49 (8%)
POLY-3 RATE (b)	2/43.66	5/40.24	3/43.19	4/37.99
POLY-3 PERCENT (g)	4.6%	12.4%	7%	10.5%
TERMINAL (d)	1/36 (3%)	3/25 (12%)	2/30 (7%)	3/24 (13%)
FIRST INCIDENCE	635	603	613	415
STATISTICAL TESTS				
POLY 3	P=0.314	P=0.183	P=0.495	P=0.275
POLY 1.5	P=0.341	P=0.200	P=0.500	P=0.298
POLY 6	P=0.278	P=0.159	P=0.482	P=0.246
COCH-ARM / FISHERS	P=0.378	P=0.218	P=0.500	P=0.329
MAX-ISO-POLY-3	P=0.297	P=0.105	P=0.320	P=0.168

Experiment Number: 20303 - 06
 Test Type: CHRONIC
 Route: RESPIRATORY EXPOSURE WHOLE BODY
 Species/Strain: MICE/B6C3F1

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

Vinylidene chloride
 CAS Number: 75-35-4

Date Report Requested: 03/26/2012
 Time Report Requested: 12:00:38
 First Dose M/F: 06/20/05 / 06/20/05
 Lab: BNW

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

DOSE	Females			
	Control	6.25 ppm	12.5 ppm	25 ppm
Lung: Alveolar Epithelium Hyperplasia				
LESION RATES				
OVERALL (a)	3/50 (6%)	1/50 (2%)	4/50 (8%)	3/49 (6%)
POLY-3 RATE (b)	3/43.68	1/39.50	4/43.11	3/37.17
POLY-3 PERCENT (g)	6.9%	2.5%	9.3%	8.1%
TERMINAL (d)	2/36 (6%)	1/25 (4%)	3/30 (10%)	3/24 (13%)
FIRST INCIDENCE	628	731 (T)	639	731 (T)
STATISTICAL TESTS				
POLY 3	P=0.371	P=0.342N	P=0.493	P=0.586
POLY 1.5	P=0.394	P=0.323N	P=0.499	P=0.615
POLY 6	P=0.344	P=0.373N	P=0.476	P=0.549
COCH-ARM / FISHERS	P=0.427	P=0.309N	P=0.500	P=0.651
MAX-ISO-POLY-3	P=0.418	P=0.191N	P=0.341	P=0.423

Experiment Number: 20303 - 06
 Test Type: CHRONIC
 Route: RESPIRATORY EXPOSURE WHOLE BODY
 Species/Strain: MICE/B6C3F1

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

Vinylidene chloride
 CAS Number: 75-35-4

Date Report Requested: 03/26/2012
 Time Report Requested: 12:00:38
 First Dose M/F: 06/20/05 / 06/20/05
 Lab: BNW

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

DOSE	Females			
	Control	6.25 ppm	12.5 ppm	25 ppm
Lung: Alveolus Infiltration Cellular Histiocyte				
LESION RATES				
OVERALL (a)	3/50 (6%)	1/50 (2%)	3/50 (6%)	3/49 (6%)
POLY-3 RATE (b)	3/44.10	1/39.50	3/43.64	3/37.45
POLY-3 PERCENT (g)	6.8%	2.5%	6.9%	8%
TERMINAL (d)	2/36 (6%)	1/25 (4%)	1/30 (3%)	1/24 (4%)
FIRST INCIDENCE	440	731 (T)	599	669
STATISTICAL TESTS				
POLY 3	P=0.401	P=0.345N	P=0.658	P=0.585
POLY 1.5	P=0.418	P=0.326N	P=0.661	P=0.613
POLY 6	P=0.383	P=0.376N	P=0.648	P=0.552
COCH-ARM / FISHERS	P=0.446	P=0.309N	P=0.661N	P=0.651
MAX-ISO-POLY-3	P=0.462	P=0.195N	P=0.494	P=0.422

Experiment Number: 20303 - 06
 Test Type: CHRONIC
 Route: RESPIRATORY EXPOSURE WHOLE BODY
 Species/Strain: MICE/B6C3F1

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

Vinylidene chloride
 CAS Number: 75-35-4

Date Report Requested: 03/26/2012
 Time Report Requested: 12:00:38
 First Dose M/F: 06/20/05 / 06/20/05
 Lab: BNW

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

DOSE	Females			
	Control	6.25 ppm	12.5 ppm	25 ppm
Lung: Perivascular Inflammation Chronic				
LESION RATES				
OVERALL (a)	0/50 (0%)	0/50 (0%)	0/50 (0%)	2/49 (4%)
POLY-3 RATE (b)	0/43.32	0/39.50	0/42.78	2/37.87
POLY-3 PERCENT (g)	0%	0%	0%	5.3%
TERMINAL (d)	0/36 (0%)	0/25 (0%)	0/30 (0%)	0/24 (0%)
FIRST INCIDENCE	---	---	---	6/14
STATISTICAL TESTS				
POLY 3	P=0.041*	(e)	(e)	P=0.208
POLY 1.5	P=0.042*	(e)	(e)	P=0.218
POLY 6	P=0.041*	(e)	(e)	P=0.197
COCH-ARM / FISHERS	P=0.045*	(e)	(e)	P=0.242
MAX-ISO-POLY-3	P=0.031*	(e)	(e)	P=0.074

Experiment Number: 20303 - 06
 Test Type: CHRONIC
 Route: RESPIRATORY EXPOSURE WHOLE BODY
 Species/Strain: MICE/B6C3F1

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

Vinylidene chloride
 CAS Number: 75-35-4

Date Report Requested: 03/26/2012
 Time Report Requested: 12:00:38
 First Dose M/F: 06/20/05 / 06/20/05
 Lab: BNW

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

DOSE	Females			
	Control	6.25 ppm	12.5 ppm	25 ppm
Lymph Node, Mesenteric Angiectasis				
LESION RATES				
OVERALL (a)	0/47 (0%)	0/48 (0%)	0/47 (0%)	0/45 (0%)
POLY-3 RATE (b)	0/40.62	0/38.54	0/40.44	0/35.65
POLY-3 PERCENT (g)	0%	0%	0%	0%
TERMINAL (d)	0/34 (0%)	0/25 (0%)	0/30 (0%)	0/23 (0%)
FIRST INCIDENCE	---	---	---	---
STATISTICAL TESTS				
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: 20303 - 06
Test Type: CHRONIC
Route: RESPIRATORY EXPOSURE WHOLE BODY
Species/Strain: MICE/B6C3F1

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

Vinylidene chloride
CAS Number: 75-35-4

Date Report Requested: 03/26/2012
Time Report Requested: 12:00:38
First Dose M/F: 06/20/05 / 06/20/05
Lab: BNW

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

DOSE	Females			
	Control	6.25 ppm	12.5 ppm	25 ppm
Lymph Node, Mesenteric Inflammation Granulomatous				
LESION RATES				
OVERALL (a)	0/47 (0%)	0/48 (0%)	0/47 (0%)	0/45 (0%)
POLY-3 RATE (b)	0/40.62	0/38.54	0/40.44	0/35.65
POLY-3 PERCENT (g)	0%	0%	0%	0%
TERMINAL (d)	0/34 (0%)	0/25 (0%)	0/30 (0%)	0/23 (0%)
FIRST INCIDENCE	---	---	---	---
STATISTICAL TESTS				
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: 20303 - 06
 Test Type: CHRONIC
 Route: RESPIRATORY EXPOSURE WHOLE BODY
 Species/Strain: MICE/B6C3F1

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
 Vinylidene chloride
 CAS Number: 75-35-4

Date Report Requested: 03/26/2012
 Time Report Requested: 12:00:38
 First Dose M/F: 06/20/05 / 06/20/05
 Lab: BNW

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

DOSE	Females			
	Control	6.25 ppm	12.5 ppm	25 ppm
Mammary Gland Hyperplasia				
LESION RATES				
OVERALL (a)	0/50 (0%)	1/50 (2%)	0/50 (0%)	3/50 (6%)
POLY-3 RATE (b)	0/43.32	1/39.50	0/42.78	3/38.67
POLY-3 PERCENT (g)	0%	2.5%	0%	7.8%
TERMINAL (d)	0/36 (0%)	1/25 (4%)	0/30 (0%)	2/24 (8%)
FIRST INCIDENCE	---	731 (T)	---	556
STATISTICAL TESTS				
POLY 3	P=0.038*	P=0.482	(e)	P=0.099
POLY 1.5	P=0.040*	P=0.491	(e)	P=0.107
POLY 6	P=0.035*	P=0.467	(e)	P=0.090
COCH-ARM / FISHERS	P=0.044*	P=0.500	(e)	P=0.121
MAX-ISO-POLY-3	P=0.023*	P=0.158	(e)	P=0.037*

Experiment Number: 20303 - 06
Test Type: CHRONIC
Route: RESPIRATORY EXPOSURE WHOLE BODY
Species/Strain: MICE/B6C3F1

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

Vinylidene chloride
CAS Number: 75-35-4

Date Report Requested: 03/26/2012
Time Report Requested: 12:00:38
First Dose M/F: 06/20/05 / 06/20/05
Lab: BNW

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

DOSE	Females			
	Control	6.25 ppm	12.5 ppm	25 ppm
Mesentery: Fat Necrosis				
LESION RATES				
OVERALL (a)	8/10 (80%)	14/16 (88%)	15/19 (79%)	33/37 (89%)
POLY-3 RATE (b)	8/10.00	14/15.12	15/18.34	33/35.61
POLY-3 PERCENT (g)	80%	92.6%	81.8%	92.7%
TERMINAL (d)	6/8 (75%)	7/7 (100%)	12/13 (92%)	19/20 (95%)
FIRST INCIDENCE	509	529	613	440
STATISTICAL TESTS				
POLY 3	P=0.218	P=0.368	P=0.652	P=0.271
POLY 1.5	P=0.241	P=0.439	P=0.677	P=0.319
POLY 6	P=0.211	P=0.266	P=0.603	P=0.230
COCH-ARM / FISHERS	P=0.298	P=0.504	P=0.698	P=0.378
MAX-ISO-POLY-3	P=0.268	P=0.180	P=0.458	P=0.161

Experiment Number: 20303 - 06
 Test Type: CHRONIC
 Route: RESPIRATORY EXPOSURE WHOLE BODY
 Species/Strain: MICE/B6C3F1

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

Vinylidene chloride
 CAS Number: 75-35-4

Date Report Requested: 03/26/2012
 Time Report Requested: 12:00:38
 First Dose M/F: 06/20/05 / 06/20/05
 Lab: BNW

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

DOSE	Females			
	Control	6.25 ppm	12.5 ppm	25 ppm
Nose				
Foreign Body				
LESION RATES				
OVERALL (a)	0/50 (0%)	1/50 (2%)	1/50 (2%)	2/50 (4%)
POLY-3 RATE (b)	0/43.32	1/40.06	1/42.78	2/38.78
POLY-3 PERCENT (g)	0%	2.5%	2.3%	5.2%
TERMINAL (d)	0/36 (0%)	0/25 (0%)	1/30 (3%)	1/24 (4%)
FIRST INCIDENCE	---	558	731 (T)	502
STATISTICAL TESTS				
POLY 3	P=0.132	P=0.484	P=0.498	P=0.213
POLY 1.5	P=0.141	P=0.492	P=0.500	P=0.223
POLY 6	P=0.122	P=0.471	P=0.491	P=0.201
COCH-ARM / FISHERS	P=0.153	P=0.500	P=0.500	P=0.247
MAX-ISO-POLY-3	P=0.121	P=0.158	P=0.158	P=0.075

Experiment Number: 20303 - 06
 Test Type: CHRONIC
 Route: RESPIRATORY EXPOSURE WHOLE BODY
 Species/Strain: MICE/B6C3F1

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

Vinylidene chloride
 CAS Number: 75-35-4

Date Report Requested: 03/26/2012
 Time Report Requested: 12:00:38
 First Dose M/F: 06/20/05 / 06/20/05
 Lab: BNW

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

DOSE	Females			
	Control	6.25 ppm	12.5 ppm	25 ppm
Nose				
Hyperostosis				
LESION RATES				
OVERALL (a)	0/50 (0%)	13/50 (26%)	45/50 (90%)	48/50 (96%)
POLY-3 RATE (b)	0/43.32	13/40.10	45/48.52	48/48.54
POLY-3 PERCENT (g)	0%	32.4%	92.8%	98.9%
TERMINAL (d)	0/36 (0%)	10/25 (40%)	29/30 (97%)	24/24 (100%)
FIRST INCIDENCE	---	600	524	413
STATISTICAL TESTS				
POLY 3	P<0.001**	P<0.001**	P<0.001**	P<0.001**
POLY 1.5	P<0.001**	P<0.001**	P<0.001**	P<0.001**
POLY 6	P<0.001**	P<0.001**	P<0.001**	P<0.001**
COCH-ARM / FISHERS	P<0.001**	P<0.001**	P<0.001**	P<0.001**
MAX-ISO-POLY-3	P<0.001**	P<0.001**	P<0.001**	P<0.001**

Experiment Number: 20303 - 06
 Test Type: CHRONIC
 Route: RESPIRATORY EXPOSURE WHOLE BODY
 Species/Strain: MICE/B6C3F1

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

Vinylidene chloride
 CAS Number: 75-35-4

Date Report Requested: 03/26/2012
 Time Report Requested: 12:00:38
 First Dose M/F: 06/20/05 / 06/20/05
 Lab: BNW

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

DOSE	Females			
	Control	6.25 ppm	12.5 ppm	25 ppm
Nose Inflammation				
LESION RATES				
OVERALL (a)	0/50 (0%)	1/50 (2%)	3/50 (6%)	5/50 (10%)
POLY-3 RATE (b)	0/43.32	1/40.06	3/43.58	5/39.34
POLY-3 PERCENT (g)	0%	2.5%	6.9%	12.7%
TERMINAL (d)	0/36 (0%)	0/25 (0%)	1/30 (3%)	3/24 (13%)
FIRST INCIDENCE	---	558	599	502
STATISTICAL TESTS				
POLY 3	P=0.006**	P=0.484	P=0.119	P=0.023*
POLY 1.5	P=0.007**	P=0.492	P=0.120	P=0.026*
POLY 6	P=0.005**	P=0.471	P=0.116	P=0.019*
COCH-ARM / FISHERS	P=0.009**	P=0.500	P=0.121	P=0.028*
MAX-ISO-POLY-3	P=0.009**	P=0.158	P=0.039*	P=0.009**

Experiment Number: 20303 - 06
 Test Type: CHRONIC
 Route: RESPIRATORY EXPOSURE WHOLE BODY
 Species/Strain: MICE/B6C3F1

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

Vinylidene chloride
 CAS Number: 75-35-4

Date Report Requested: 03/26/2012
 Time Report Requested: 12:00:38
 First Dose M/F: 06/20/05 / 06/20/05
 Lab: BNW

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

DOSE	Females			
	Control	6.25 ppm	12.5 ppm	25 ppm
Nose				
Inflammation Chronic				
LESION RATES				
OVERALL (a)	2/50 (4%)	1/50 (2%)	0/50 (0%)	2/50 (4%)
POLY-3 RATE (b)	2/43.32	1/39.50	0/42.78	2/38.76
POLY-3 PERCENT (g)	4.6%	2.5%	0%	5.2%
TERMINAL (d)	2/36 (6%)	1/25 (4%)	0/30 (0%)	1/24 (4%)
FIRST INCIDENCE	731 (T)	731 (T)	---	512
STATISTICAL TESTS				
POLY 3	P=0.579	P=0.532N	P=0.240N	P=0.654
POLY 1.5	P=0.583	P=0.516N	P=0.237N	P=0.671
POLY 6	P=0.573	P=0.558N	P=0.246N	P=0.631
COCH-ARM / FISHERS	P=0.591	P=0.500N	P=0.247N	P=0.691N
MAX-ISO-POLY-3	P=0.397	P=0.315N	P=0.078N	P=0.456

Experiment Number: 20303 - 06
Test Type: CHRONIC
Route: RESPIRATORY EXPOSURE WHOLE BODY
Species/Strain: MICE/B6C3F1

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

Vinylidene chloride
CAS Number: 75-35-4

Date Report Requested: 03/26/2012
Time Report Requested: 12:00:38
First Dose M/F: 06/20/05 / 06/20/05
Lab: BNW

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

DOSE	Females			
	Control	6.25 ppm	12.5 ppm	25 ppm
Nose: Olfactory Epithelium Accumulation, Hyaline Droplet				
LESION RATES				
OVERALL (a)	18/50 (36%)	18/50 (36%)	13/50 (26%)	32/50 (64%)
POLY-3 RATE (b)	18/44.60	18/41.88	13/44.29	32/43.43
POLY-3 PERCENT (g)	40.4%	43%	29.4%	73.7%
TERMINAL (d)	14/36 (39%)	11/25 (44%)	9/30 (30%)	17/24 (71%)
FIRST INCIDENCE	572	558	599	443
STATISTICAL TESTS				
POLY 3	P<0.001**	P=0.488	P=0.190N	P<0.001**
POLY 1.5	P<0.001**	P=0.538	P=0.186N	P<0.001**
POLY 6	P<0.001**	P=0.411	P=0.210N	P<0.001**
COCH-ARM / FISHERS	P=0.002**	P=0.582N	P=0.194N	P=0.004**
MAX-ISO-POLY-3	P<0.001**	P=0.402	P=0.136N	P<0.001**

Experiment Number: 20303 - 06
Test Type: CHRONIC
Route: RESPIRATORY EXPOSURE WHOLE BODY
Species/Strain: MICE/B6C3F1

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

Vinylidene chloride
CAS Number: 75-35-4

Date Report Requested: 03/26/2012
Time Report Requested: 12:00:38
First Dose M/F: 06/20/05 / 06/20/05
Lab: BNW

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

DOSE	Females			
	Control	6.25 ppm	12.5 ppm	25 ppm
<hr/>				
Nose: Olfactory Epithelium Atrophy				
<hr/>				
LESION RATES				
OVERALL (a)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
POLY-3 RATE (b)	0/43.32	0/39.50	0/42.78	0/38.11
POLY-3 PERCENT (g)	0%	0%	0%	0%
TERMINAL (d)	0/36 (0%)	0/25 (0%)	0/30 (0%)	0/24 (0%)
FIRST INCIDENCE	---	---	---	---
<hr/>				
STATISTICAL TESTS				
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: 20303 - 06
 Test Type: CHRONIC
 Route: RESPIRATORY EXPOSURE WHOLE BODY
 Species/Strain: MICE/B6C3F1

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
 Vinylidene chloride
 CAS Number: 75-35-4

Date Report Requested: 03/26/2012
 Time Report Requested: 12:00:38
 First Dose M/F: 06/20/05 / 06/20/05
 Lab: BNW

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

DOSE	Females			
	Control	6.25 ppm	12.5 ppm	25 ppm
Nose: Olfactory Epithelium Metaplasia Respiratory				
LESION RATES				
OVERALL (a)	3/50 (6%)	29/50 (58%)	49/50 (98%)	50/50 (100%)
POLY-3 RATE (b)	3/44.10	29/43.41	49/49.37	50/50.00
POLY-3 PERCENT (g)	6.8%	66.8%	99.3%	100%
TERMINAL (d)	2/36 (6%)	19/25 (76%)	30/30 (100%)	24/24 (100%)
FIRST INCIDENCE	440	471	392	413
STATISTICAL TESTS				
POLY 3	P<0.001**	P<0.001**	P<0.001**	P<0.001**
POLY 1.5	P<0.001**	P<0.001**	P<0.001**	P<0.001**
POLY 6	P<0.001**	P<0.001**	P<0.001**	P<0.001**
COCH-ARM / FISHERS	P<0.001**	P<0.001**	P<0.001**	P<0.001**
MAX-ISO-POLY-3	P<0.001**	P<0.001**	P<0.001**	P<0.001**

Experiment Number: 20303 - 06
 Test Type: CHRONIC
 Route: RESPIRATORY EXPOSURE WHOLE BODY
 Species/Strain: MICE/B6C3F1

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

Vinylidene chloride
 CAS Number: 75-35-4

Date Report Requested: 03/26/2012
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 First Dose M/F: 06/20/05 / 06/20/05
 Lab: BNW

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

DOSE	Females			
	Control	6.25 ppm	12.5 ppm	25 ppm
Nose: Olfactory Epithelium				
Necrosis				
LESION RATES				
OVERALL (a)	0/50 (0%)	0/50 (0%)	2/50 (4%)	1/50 (2%)
POLY-3 RATE (b)	0/43.32	0/39.50	2/43.63	1/38.78
POLY-3 PERCENT (g)	0%	0%	4.6%	2.6%
TERMINAL (d)	0/36 (0%)	0/25 (0%)	0/30 (0%)	0/24 (0%)
FIRST INCIDENCE	---	---	536	502
STATISTICAL TESTS				
POLY 3	P=0.212	(e)	P=0.239	P=0.478
POLY 1.5	P=0.225	(e)	P=0.239	P=0.487
POLY 6	P=0.197	(e)	P=0.234	P=0.466
COCH-ARM / FISHERS	P=0.246	(e)	P=0.247	P=0.500
MAX-ISO-POLY-3	P=0.196	(e)	P=0.077	P=0.158

Experiment Number: 20303 - 06
 Test Type: CHRONIC
 Route: RESPIRATORY EXPOSURE WHOLE BODY
 Species/Strain: MICE/B6C3F1

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
 Vinylidene chloride
 CAS Number: 75-35-4

Date Report Requested: 03/26/2012
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 First Dose M/F: 06/20/05 / 06/20/05
 Lab: BNW

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

DOSE	Females			
	Control	6.25 ppm	12.5 ppm	25 ppm
Nose: Respiratory Epithelium Accumulation, Hyaline Droplet				
LESION RATES				
OVERALL (a)	38/50 (76%)	33/50 (66%)	29/50 (58%)	42/50 (84%)
POLY-3 RATE (b)	38/47.23	33/45.11	29/45.61	42/47.66
POLY-3 PERCENT (g)	80.5%	73.2%	63.6%	88.1%
TERMINAL (d)	29/36 (81%)	18/25 (72%)	20/30 (67%)	20/24 (83%)
FIRST INCIDENCE	440	478	599	415
STATISTICAL TESTS				
POLY 3	P=0.160	P=0.268N	P=0.047N*	P=0.218
POLY 1.5	P=0.154	P=0.221N	P=0.042N*	P=0.219
POLY 6	P=0.176	P=0.351N	P=0.063N	P=0.226
COCH-ARM / FISHERS	P=0.158	P=0.189N	P=0.044N*	P=0.227
MAX-ISO-POLY-3	P=0.040*	P=0.195N	P=0.030N*	P=0.142

Experiment Number: 20303 - 06
 Test Type: CHRONIC
 Route: RESPIRATORY EXPOSURE WHOLE BODY
 Species/Strain: MICE/B6C3F1

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
 Vinylidene chloride
 CAS Number: 75-35-4

Date Report Requested: 03/26/2012
 Time Report Requested: 12:00:38
 First Dose M/F: 06/20/05 / 06/20/05
 Lab: BNW

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

DOSE	Females			
	Control	6.25 ppm	12.5 ppm	25 ppm
Nose: Respiratory Epithelium Hyperplasia				
LESION RATES				
OVERALL (a)	33/50 (66%)	41/50 (82%)	39/50 (78%)	43/50 (86%)
POLY-3 RATE (b)	33/44.81	41/47.01	39/48.47	43/46.00
POLY-3 PERCENT (g)	73.7%	87.2%	80.5%	93.5%
TERMINAL (d)	28/36 (78%)	23/25 (92%)	23/30 (77%)	23/24 (96%)
FIRST INCIDENCE	599	471	524	415
STATISTICAL TESTS				
POLY 3	P=0.013*	P=0.066	P=0.288	P=0.005**
POLY 1.5	P=0.015*	P=0.063	P=0.214	P=0.007**
POLY 6	P=0.015*	P=0.063	P=0.382	P=0.006**
COCH-ARM / FISHERS	P=0.025*	P=0.055	P=0.133	P=0.017*
MAX-ISO-POLY-3	P=0.005**	P=0.039*	P=0.216	P=0.002**

Experiment Number: 20303 - 06
 Test Type: CHRONIC
 Route: RESPIRATORY EXPOSURE WHOLE BODY
 Species/Strain: MICE/B6C3F1

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

Vinylidene chloride
 CAS Number: 75-35-4

Date Report Requested: 03/26/2012
 Time Report Requested: 12:00:38
 First Dose M/F: 06/20/05 / 06/20/05
 Lab: BNW

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

DOSE	Females			
	Control	6.25 ppm	12.5 ppm	25 ppm
Nose: Respiratory Epithelium Metaplasia				
LESION RATES				
OVERALL (a)	3/50 (6%)	2/50 (4%)	3/50 (6%)	7/50 (14%)
POLY-3 RATE (b)	3/43.32	2/40.06	3/42.89	7/38.64
POLY-3 PERCENT (g)	6.9%	5%	7%	18.1%
TERMINAL (d)	3/36 (8%)	1/25 (4%)	2/30 (7%)	5/24 (21%)
FIRST INCIDENCE	731 (T)	558	703	592
STATISTICAL TESTS				
POLY 3	P=0.043*	P=0.536N	P=0.658	P=0.113
POLY 1.5	P=0.048*	P=0.517N	P=0.662N	P=0.130
POLY 6	P=0.039*	P=0.565N	P=0.646	P=0.094
COCH-ARM / FISHERS	P=0.056	P=0.500N	P=0.661N	P=0.159
MAX-ISO-POLY-3	P=0.055	P=0.360N	P=0.494	P=0.070

Experiment Number: 20303 - 06
Test Type: CHRONIC
Route: RESPIRATORY EXPOSURE WHOLE BODY
Species/Strain: MICE/B6C3F1

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

Vinylidene chloride
CAS Number: 75-35-4

Date Report Requested: 03/26/2012
Time Report Requested: 12:00:38
First Dose M/F: 06/20/05 / 06/20/05
Lab: BNW

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

DOSE	Females			
	Control	6.25 ppm	12.5 ppm	25 ppm
Nose: Respiratory Epithelium Necrosis				
LESION RATES				
OVERALL (a)	1/50 (2%)	3/50 (6%)	5/50 (10%)	4/50 (8%)
POLY-3 RATE (b)	1/43.32	3/40.51	5/43.48	4/38.17
POLY-3 PERCENT (g)	2.3%	7.4%	11.5%	10.5%
TERMINAL (d)	1/36 (3%)	1/25 (4%)	3/30 (10%)	3/24 (13%)
FIRST INCIDENCE	731 (T)	558	599	715
STATISTICAL TESTS				
POLY 3	P=0.108	P=0.281	P=0.101	P=0.142
POLY 1.5	P=0.126	P=0.294	P=0.103	P=0.157
POLY 6	P=0.090	P=0.261	P=0.097	P=0.125
COCH-ARM / FISHERS	P=0.154	P=0.309	P=0.102	P=0.181
MAX-ISO-POLY-3	P=0.137	P=0.145	P=0.045*	P=0.074

Experiment Number: 20303 - 06
 Test Type: CHRONIC
 Route: RESPIRATORY EXPOSURE WHOLE BODY
 Species/Strain: MICE/B6C3F1

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

Vinylidene chloride
 CAS Number: 75-35-4

Date Report Requested: 03/26/2012
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 First Dose M/F: 06/20/05 / 06/20/05
 Lab: BNW

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

DOSE	Females			
	Control	6.25 ppm	12.5 ppm	25 ppm
Nose: Turbinate Atrophy				
LESION RATES				
OVERALL (a)	0/50 (0%)	46/50 (92%)	50/50 (100%)	49/50 (98%)
POLY-3 RATE (b)	0/43.32	46/48.76	50/50.00	49/49.22
POLY-3 PERCENT (g)	0%	94.3%	100%	99.6%
TERMINAL (d)	0/36 (0%)	24/25 (96%)	30/30 (100%)	24/24 (100%)
FIRST INCIDENCE	---	471	392	413
STATISTICAL TESTS				
POLY 3	P<0.001**	P<0.001**	P<0.001**	P<0.001**
POLY 1.5	P<0.001**	P<0.001**	P<0.001**	P<0.001**
POLY 6	P<0.001**	P<0.001**	P<0.001**	P<0.001**
COCH-ARM / FISHERS	P<0.001**	P<0.001**	P<0.001**	P<0.001**
MAX-ISO-POLY-3	P<0.001**	P<0.001**	P<0.001**	P<0.001**

Experiment Number: 20303 - 06
 Test Type: CHRONIC
 Route: RESPIRATORY EXPOSURE WHOLE BODY
 Species/Strain: MICE/B6C3F1

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

Vinylidene chloride
 CAS Number: 75-35-4

Date Report Requested: 03/26/2012
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 First Dose M/F: 06/20/05 / 06/20/05
 Lab: BNW

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

DOSE	Females			
	Control	6.25 ppm	12.5 ppm	25 ppm
Ovary				
Angiectasis				
LESION RATES				
OVERALL (a)	0/50 (0%)	0/49 (0%)	2/49 (4%)	0/49 (0%)
POLY-3 RATE (b)	0/43.32	0/39.05	2/42.08	0/37.17
POLY-3 PERCENT (g)	0%	0%	4.8%	0%
TERMINAL (d)	0/36 (0%)	0/25 (0%)	2/30 (7%)	0/24 (0%)
FIRST INCIDENCE	---	---	731 (T)	---
STATISTICAL TESTS				
POLY 3	P=0.523	(e)	P=0.230	(e)
POLY 1.5	P=0.552	(e)	P=0.233	(e)
POLY 6	P=0.490	(e)	P=0.224	(e)
COCH-ARM / FISHERS	P=0.592	(e)	P=0.242	(e)
MAX-ISO-POLY-3	P=0.275	(e)	P=0.074	(e)

Experiment Number: 20303 - 06
 Test Type: CHRONIC
 Route: RESPIRATORY EXPOSURE WHOLE BODY
 Species/Strain: MICE/B6C3F1

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

Vinylidene chloride
 CAS Number: 75-35-4

Date Report Requested: 03/26/2012
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 First Dose M/F: 06/20/05 / 06/20/05
 Lab: BNW

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

DOSE	Females			
	Control	6.25 ppm	12.5 ppm	25 ppm
Ovary Cyst				
LESION RATES				
OVERALL (a)	6/50 (12%)	6/49 (12%)	12/49 (24%)	2/49 (4%)
POLY-3 RATE (b)	6/44.09	6/40.29	12/42.50	2/37.44
POLY-3 PERCENT (g)	13.6%	14.9%	28.2%	5.3%
TERMINAL (d)	4/36 (11%)	3/25 (12%)	11/30 (37%)	1/24 (4%)
FIRST INCIDENCE	590	582	611	658
STATISTICAL TESTS				
POLY 3	P=0.288N	P=0.557	P=0.076	P=0.191N
POLY 1.5	P=0.241N	P=0.582	P=0.083	P=0.168N
POLY 6	P=0.352N	P=0.515	P=0.064	P=0.223N
COCH-ARM / FISHERS	P=0.186N	P=0.606	P=0.088	P=0.141N
MAX-ISO-POLY-3	P=0.090N	P=0.434	P=0.046*	P=0.123N

Experiment Number: 20303 - 06
 Test Type: CHRONIC
 Route: RESPIRATORY EXPOSURE WHOLE BODY
 Species/Strain: MICE/B6C3F1

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

Vinylidene chloride
 CAS Number: 75-35-4

Date Report Requested: 03/26/2012
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 First Dose M/F: 06/20/05 / 06/20/05
 Lab: BNW

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

DOSE	Females			
	Control	6.25 ppm	12.5 ppm	25 ppm
Ovary Thrombosis				
LESION RATES				
OVERALL (a)	0/50 (0%)	2/49 (4%)	2/49 (4%)	1/49 (2%)
POLY-3 RATE (b)	0/43.32	2/39.05	2/42.69	1/37.17
POLY-3 PERCENT (g)	0%	5.1%	4.7%	2.7%
TERMINAL (d)	0/36 (0%)	2/25 (8%)	1/30 (3%)	1/24 (4%)
FIRST INCIDENCE	---	731 (T)	536	731 (T)
STATISTICAL TESTS				
POLY 3	P=0.393	P=0.214	P=0.234	P=0.470
POLY 1.5	P=0.423	P=0.224	P=0.235	P=0.481
POLY 6	P=0.357	P=0.200	P=0.229	P=0.456
COCH-ARM / FISHERS	P=0.464	P=0.242	P=0.242	P=0.495
MAX-ISO-POLY-3	P=0.254	P=0.074	P=0.075	P=0.157

Experiment Number: 20303 - 06
 Test Type: CHRONIC
 Route: RESPIRATORY EXPOSURE WHOLE BODY
 Species/Strain: MICE/B6C3F1

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

Vinylidene chloride
 CAS Number: 75-35-4

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 First Dose M/F: 06/20/05 / 06/20/05
 Lab: BNW

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

DOSE	Females			
	Control	6.25 ppm	12.5 ppm	25 ppm
Pancreas: Artery Inflammation Chronic				
LESION RATES				
OVERALL (a)	2/50 (4%)	0/49 (0%)	0/50 (0%)	0/50 (0%)
POLY-3 RATE (b)	2/44.92	0/39.12	0/42.78	0/38.11
POLY-3 PERCENT (g)	4.5%	0%	0%	0%
TERMINAL (d)	0/36 (0%)	0/25 (0%)	0/30 (0%)	0/24 (0%)
FIRST INCIDENCE	325	---	---	---
STATISTICAL TESTS				
POLY 3	P=0.101N	P=0.269N	P=0.248N	P=0.276N
POLY 1.5	P=0.106N	P=0.256N	P=0.243N	P=0.260N
POLY 6	P=0.096N	P=0.288N	P=0.257N	P=0.295N
COCH-ARM / FISHERS	P=0.115N	P=0.253N	P=0.247N	P=0.247N
MAX-ISO-POLY-3	P=0.068N	P=0.105N	P=0.086N	P=0.112N

Experiment Number: 20303 - 06
Test Type: CHRONIC
Route: RESPIRATORY EXPOSURE WHOLE BODY
Species/Strain: MICE/B6C3F1

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

Vinylidene chloride
CAS Number: 75-35-4

Date Report Requested: 03/26/2012
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First Dose M/F: 06/20/05 / 06/20/05
Lab: BNW

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

DOSE	Females			
	Control	6.25 ppm	12.5 ppm	25 ppm
Parathyroid Gland Cyst				
LESION RATES				
OVERALL (a)	0/24 (0%)	0/22 (0%)	0/21 (0%)	0/31 (0%)
POLY-3 RATE (b)	0/19.35	0/16.72	0/16.74	0/23.28
POLY-3 PERCENT (g)	0%	0%	0%	0%
TERMINAL (d)	0/15 (0%)	0/10 (0%)	0/10 (0%)	0/13 (0%)
FIRST INCIDENCE	---	---	---	---
STATISTICAL TESTS				
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: 20303 - 06
 Test Type: CHRONIC
 Route: RESPIRATORY EXPOSURE WHOLE BODY
 Species/Strain: MICE/B6C3F1

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

Vinylidene chloride
 CAS Number: 75-35-4

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 First Dose M/F: 06/20/05 / 06/20/05
 Lab: BNW

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

DOSE	Females			
	Control	6.25 ppm	12.5 ppm	25 ppm
Pituitary Gland: Pars Distalis Angiectasis				
LESION RATES				
OVERALL (a)	0/50 (0%)	0/50 (0%)	2/48 (4%)	1/47 (2%)
POLY-3 RATE (b)	0/43.32	0/39.50	2/40.94	1/36.52
POLY-3 PERCENT (g)	0%	0%	4.9%	2.7%
TERMINAL (d)	0/36 (0%)	0/25 (0%)	1/28 (4%)	0/24 (0%)
FIRST INCIDENCE	---	---	689	724
STATISTICAL TESTS				
POLY 3	P=0.199	(e)	P=0.224	P=0.466
POLY 1.5	P=0.212	(e)	P=0.227	P=0.475
POLY 6	P=0.186	(e)	P=0.217	P=0.455
COCH-ARM / FISHERS	P=0.231	(e)	P=0.237	P=0.485
MAX-ISO-POLY-3	P=0.187	(e)	P=0.073	P=0.154

Experiment Number: 20303 - 06
Test Type: CHRONIC
Route: RESPIRATORY EXPOSURE WHOLE BODY
Species/Strain: MICE/B6C3F1

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

Vinylidene chloride
CAS Number: 75-35-4

Date Report Requested: 03/26/2012
Time Report Requested: 12:00:38
First Dose M/F: 06/20/05 / 06/20/05
Lab: BNW

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

DOSE	Females			
	Control	6.25 ppm	12.5 ppm	25 ppm
Pituitary Gland: Pars Distalis Hyperplasia				
LESION RATES				
OVERALL (a)	6/50 (12%)	9/50 (18%)	8/48 (17%)	8/47 (17%)
POLY-3 RATE (b)	6/43.32	9/40.63	8/41.30	8/37.51
POLY-3 PERCENT (g)	13.9%	22.2%	19.4%	21.3%
TERMINAL (d)	6/36 (17%)	5/25 (20%)	6/28 (21%)	6/24 (25%)
FIRST INCIDENCE	731 (T)	558	632	562
STATISTICAL TESTS				
POLY 3	P=0.286	P=0.239	P=0.348	P=0.277
POLY 1.5	P=0.312	P=0.264	P=0.356	P=0.303
POLY 6	P=0.257	P=0.203	P=0.329	P=0.248
COCH-ARM / FISHERS	P=0.350	P=0.288	P=0.355	P=0.339
MAX-ISO-POLY-3	P=0.338	P=0.168	P=0.251	P=0.201

Experiment Number: 20303 - 06
 Test Type: CHRONIC
 Route: RESPIRATORY EXPOSURE WHOLE BODY
 Species/Strain: MICE/B6C3F1

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
 Vinylidene chloride
 CAS Number: 75-35-4

Date Report Requested: 03/26/2012
 Time Report Requested: 12:00:38
 First Dose M/F: 06/20/05 / 06/20/05
 Lab: BNW

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

DOSE	Females			
	Control	6.25 ppm	12.5 ppm	25 ppm
Skin Necrosis				
LESION RATES				
OVERALL (a)	3/50 (6%)	2/50 (4%)	2/50 (4%)	0/50 (0%)
POLY-3 RATE (b)	3/44.38	2/39.85	2/42.78	0/38.11
POLY-3 PERCENT (g)	6.8%	5%	4.7%	0%
TERMINAL (d)	1/36 (3%)	0/25 (0%)	2/30 (7%)	0/24 (0%)
FIRST INCIDENCE	491	649	731 (T)	---
STATISTICAL TESTS				
POLY 3	P=0.105N	P=0.549N	P=0.517N	P=0.148N
POLY 1.5	P=0.097N	P=0.525N	P=0.507N	P=0.135N
POLY 6	P=0.116N	P=0.584N	P=0.536N	P=0.166N
COCH-ARM / FISHERS	P=0.086N	P=0.500N	P=0.500N	P=0.121N
MAX-ISO-POLY-3	P=0.126N	P=0.374N	P=0.341N	P=0.064N

Experiment Number: 20303 - 06
 Test Type: CHRONIC
 Route: RESPIRATORY EXPOSURE WHOLE BODY
 Species/Strain: MICE/B6C3F1

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
 Vinylidene chloride
 CAS Number: 75-35-4

Date Report Requested: 03/26/2012
 Time Report Requested: 12:00:38
 First Dose M/F: 06/20/05 / 06/20/05
 Lab: BNW

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

DOSE	Females			
	Control	6.25 ppm	12.5 ppm	25 ppm
Spleen				
Hematopoietic Cell Proliferation				
LESION RATES				
OVERALL (a)	3/50 (6%)	6/49 (12%)	7/50 (14%)	9/49 (18%)
POLY-3 RATE (b)	3/44.84	6/42.00	7/44.67	9/40.64
POLY-3 PERCENT (g)	6.7%	14.3%	15.7%	22.1%
TERMINAL (d)	0/36 (0%)	1/25 (4%)	1/30 (3%)	3/24 (13%)
FIRST INCIDENCE	440	478	611	413
STATISTICAL TESTS				
POLY 3	P=0.033*	P=0.209	P=0.155	P=0.038*
POLY 1.5	P=0.039*	P=0.222	P=0.158	P=0.045*
POLY 6	P=0.028*	P=0.188	P=0.149	P=0.032*
COCH-ARM / FISHERS	P=0.049*	P=0.233	P=0.159	P=0.056
MAX-ISO-POLY-3	P=0.040*	P=0.129	P=0.089	P=0.023*

Experiment Number: 20303 - 06
 Test Type: CHRONIC
 Route: RESPIRATORY EXPOSURE WHOLE BODY
 Species/Strain: MICE/B6C3F1

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

Vinylidene chloride
 CAS Number: 75-35-4

Date Report Requested: 03/26/2012
 Time Report Requested: 12:00:38
 First Dose M/F: 06/20/05 / 06/20/05
 Lab: BNW

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

DOSE	Females			
	Control	6.25 ppm	12.5 ppm	25 ppm
Stomach, Forestomach Hyperplasia				
LESION RATES				
OVERALL (a)	2/50 (4%)	2/49 (4%)	0/50 (0%)	2/50 (4%)
POLY-3 RATE (b)	2/43.32	2/39.43	0/42.78	2/38.11
POLY-3 PERCENT (g)	4.6%	5.1%	0%	5.3%
TERMINAL (d)	2/36 (6%)	1/25 (4%)	0/30 (0%)	2/24 (8%)
FIRST INCIDENCE	731 (T)	648	---	731 (T)
STATISTICAL TESTS				
POLY 3	P=0.566N	P=0.660	P=0.240N	P=0.647
POLY 1.5	P=0.561N	P=0.674	P=0.237N	P=0.667
POLY 6	P=0.574N	P=0.637	P=0.246N	P=0.621
COCH-ARM / FISHERS	P=0.553N	P=0.684	P=0.247N	P=0.691N
MAX-ISO-POLY-3	P=0.479N	P=0.462	P=0.078N	P=0.450

Experiment Number: 20303 - 06
Test Type: CHRONIC
Route: RESPIRATORY EXPOSURE WHOLE BODY
Species/Strain: MICE/B6C3F1

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

Vinylidene chloride
CAS Number: 75-35-4

Date Report Requested: 03/26/2012
Time Report Requested: 12:00:38
First Dose M/F: 06/20/05 / 06/20/05
Lab: BNW

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

DOSE	Females			
	Control	6.25 ppm	12.5 ppm	25 ppm
Stomach, Forestomach Inflammation Chronic				
LESION RATES				
OVERALL (a)	0/50 (0%)	0/49 (0%)	0/50 (0%)	1/50 (2%)
POLY-3 RATE (b)	0/43.32	0/39.12	0/42.78	1/38.11
POLY-3 PERCENT (g)	0%	0%	0%	2.6%
TERMINAL (d)	0/36 (0%)	0/25 (0%)	0/30 (0%)	1/24 (4%)
FIRST INCIDENCE	---	---	---	731 (T)
STATISTICAL TESTS				
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: 20303 - 06
 Test Type: CHRONIC
 Route: RESPIRATORY EXPOSURE WHOLE BODY
 Species/Strain: MICE/B6C3F1

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

Vinylidene chloride
 CAS Number: 75-35-4

Date Report Requested: 03/26/2012
 Time Report Requested: 12:00:38
 First Dose M/F: 06/20/05 / 06/20/05
 Lab: BNW

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

DOSE	Females			
	Control	6.25 ppm	12.5 ppm	25 ppm
Stomach, Forestomach Necrosis				
LESION RATES				
OVERALL (a)	0/50 (0%)	1/49 (2%)	1/50 (2%)	4/50 (8%)
POLY-3 RATE (b)	0/43.32	1/39.43	1/43.41	4/39.44
POLY-3 PERCENT (g)	0%	2.5%	2.3%	10.1%
TERMINAL (d)	0/36 (0%)	0/25 (0%)	0/30 (0%)	2/24 (8%)
FIRST INCIDENCE	---	648	524	502
STATISTICAL TESTS				
POLY 3	P=0.015*	P=0.481	P=0.500	P=0.049*
POLY 1.5	P=0.016*	P=0.489	P=0.501	P=0.053
POLY 6	P=0.013*	P=0.469	P=0.496	P=0.043*
COCH-ARM / FISHERS	P=0.018*	P=0.495	P=0.500	P=0.059
MAX-ISO-POLY-3	P=0.013*	P=0.157	P=0.159	P=0.019*

Experiment Number: 20303 - 06
 Test Type: CHRONIC
 Route: RESPIRATORY EXPOSURE WHOLE BODY
 Species/Strain: MICE/B6C3F1

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

Vinylidene chloride
 CAS Number: 75-35-4

Date Report Requested: 03/26/2012
 Time Report Requested: 12:00:38
 First Dose M/F: 06/20/05 / 06/20/05
 Lab: BNW

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

DOSE	Females			
	Control	6.25 ppm	12.5 ppm	25 ppm
Stomach, Forestomach Ulcer				
LESION RATES				
OVERALL (a)	1/50 (2%)	0/49 (0%)	0/50 (0%)	1/50 (2%)
POLY-3 RATE (b)	1/44.10	0/39.12	0/42.78	1/38.78
POLY-3 PERCENT (g)	2.3%	0%	0%	2.6%
TERMINAL (d)	0/36 (0%)	0/25 (0%)	0/30 (0%)	0/24 (0%)
FIRST INCIDENCE	440	---	---	502
STATISTICAL TESTS				
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: 20303 - 06
 Test Type: CHRONIC
 Route: RESPIRATORY EXPOSURE WHOLE BODY
 Species/Strain: MICE/B6C3F1

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

Vinylidene chloride
 CAS Number: 75-35-4

Date Report Requested: 03/26/2012
 Time Report Requested: 12:00:38
 First Dose M/F: 06/20/05 / 06/20/05
 Lab: BNW

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

DOSE	Females			
	Control	6.25 ppm	12.5 ppm	25 ppm
Stomach, Glandular Mineralization				
LESION RATES				
OVERALL (a)	2/49 (4%)	2/48 (4%)	2/49 (4%)	0/49 (0%)
POLY-3 RATE (b)	2/42.62	2/39.18	2/41.89	0/37.93
POLY-3 PERCENT (g)	4.7%	5.1%	4.8%	0%
TERMINAL (d)	2/36 (6%)	1/25 (4%)	2/30 (7%)	0/24 (0%)
FIRST INCIDENCE	731 (T)	582	731 (T)	---
STATISTICAL TESTS				
POLY 3	P=0.189N	P=0.664	P=0.688	P=0.264N
POLY 1.5	P=0.177N	P=0.676	P=0.693	P=0.252N
POLY 6	P=0.205N	P=0.642	P=0.676	P=0.280N
COCH-ARM / FISHERS	P=0.162N	P=0.684	P=0.691N	P=0.247N
MAX-ISO-POLY-3	P=0.223N	P=0.466	P=0.492	P=0.101N

Experiment Number: 20303 - 06
 Test Type: CHRONIC
 Route: RESPIRATORY EXPOSURE WHOLE BODY
 Species/Strain: MICE/B6C3F1

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

Vinylidene chloride
 CAS Number: 75-35-4

Date Report Requested: 03/26/2012
 Time Report Requested: 12:00:38
 First Dose M/F: 06/20/05 / 06/20/05
 Lab: BNW

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

DOSE	Females			
	Control	6.25 ppm	12.5 ppm	25 ppm
Stomach, Glandular Necrosis				
LESION RATES				
OVERALL (a)	0/49 (0%)	1/48 (2%)	3/49 (6%)	1/49 (2%)
POLY-3 RATE (b)	0/42.62	1/39.14	3/43.05	1/38.06
POLY-3 PERCENT (g)	0%	2.6%	7%	2.6%
TERMINAL (d)	0/36 (0%)	0/25 (0%)	0/30 (0%)	0/24 (0%)
FIRST INCIDENCE	---	600	576	697
STATISTICAL TESTS				
POLY 3	P=0.294	P=0.483	P=0.120	P=0.477
POLY 1.5	P=0.319	P=0.490	P=0.121	P=0.487
POLY 6	P=0.264	P=0.471	P=0.117	P=0.465
COCH-ARM / FISHERS	P=0.353	P=0.495	P=0.121	P=0.500
MAX-ISO-POLY-3	P=0.182	P=0.157	P=0.039*	P=0.158

Experiment Number: 20303 - 06
 Test Type: CHRONIC
 Route: RESPIRATORY EXPOSURE WHOLE BODY
 Species/Strain: MICE/B6C3F1

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

Vinylidene chloride
 CAS Number: 75-35-4

Date Report Requested: 03/26/2012
 Time Report Requested: 12:00:38
 First Dose M/F: 06/20/05 / 06/20/05
 Lab: BNW

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

DOSE	Females			
	Control	6.25 ppm	12.5 ppm	25 ppm
Thyroid Gland: Follicular Cell Hyperplasia				
LESION RATES				
OVERALL (a)	0/50 (0%)	2/50 (4%)	2/50 (4%)	0/50 (0%)
POLY-3 RATE (b)	0/43.32	2/39.97	2/42.78	0/38.11
POLY-3 PERCENT (g)	0%	5%	4.7%	0%
TERMINAL (d)	0/36 (0%)	1/25 (4%)	2/30 (7%)	0/24 (0%)
FIRST INCIDENCE	---	592	731 (T)	---
STATISTICAL TESTS				
POLY 3	P=0.559N	P=0.219	P=0.234	(e)
POLY 1.5	P=0.534N	P=0.228	P=0.237	(e)
POLY 6	P=0.590N	P=0.206	P=0.227	(e)
COCH-ARM / FISHERS	P=0.500N	P=0.247	P=0.247	(e)
MAX-ISO-POLY-3	P=0.295	P=0.075	P=0.076	(e)

Experiment Number: 20303 - 06
Test Type: CHRONIC
Route: RESPIRATORY EXPOSURE WHOLE BODY
Species/Strain: MICE/B6C3F1

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

Vinylidene chloride
CAS Number: 75-35-4

Date Report Requested: 03/26/2012
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First Dose M/F: 06/20/05 / 06/20/05
Lab: BNW

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

DOSE	Females			
	Control	6.25 ppm	12.5 ppm	25 ppm
Tooth Dysplasia				
LESION RATES				
OVERALL (a)	0/0 (0%)	1/1 (100%)	0/0 (0%)	0/0 (0%)
POLY-3 RATE (b)	0/0.00	1/1.00	0/0.00	0/0.00
POLY-3 PERCENT (g)	0%	100%	0%	0%
TERMINAL (d)	0/0 (0%)	1/1 (100%)	0/0 (0%)	0/0 (0%)
FIRST INCIDENCE	---	731 (T)	---	---
STATISTICAL TESTS				
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: 20303 - 06
Test Type: CHRONIC
Route: RESPIRATORY EXPOSURE WHOLE BODY
Species/Strain: MICE/B6C3F1

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

Vinylidene chloride
CAS Number: 75-35-4

Date Report Requested: 03/26/2012
Time Report Requested: 12:00:38
First Dose M/F: 06/20/05 / 06/20/05
Lab: BNW

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

DOSE	Females			
	Control	6.25 ppm	12.5 ppm	25 ppm

Urinary Bladder: Transitional Epithelium
Hyperplasia

LESION RATES

OVERALL (a)	1/49 (2%)	0/49 (0%)	0/48 (0%)	0/48 (0%)
POLY-3 RATE (b)	1/42.64	0/39.12	0/41.52	0/37.44
POLY-3 PERCENT (g)	2.4%	0%	0%	0%
TERMINAL (d)	0/36 (0%)	0/25 (0%)	0/30 (0%)	0/24 (0%)
FIRST INCIDENCE	726	---	---	---

STATISTICAL TESTS

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: 20303 - 06
 Test Type: CHRONIC
 Route: RESPIRATORY EXPOSURE WHOLE BODY
 Species/Strain: MICE/B6C3F1

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
 Vinylidene chloride
 CAS Number: 75-35-4

Date Report Requested: 03/26/2012
 Time Report Requested: 12:00:38
 First Dose M/F: 06/20/05 / 06/20/05
 Lab: BNW

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

DOSE	Females			
	Control	6.25 ppm	12.5 ppm	25 ppm
Uterus				
Thrombosis				
LESION RATES				
OVERALL (a)	1/50 (2%)	0/49 (0%)	2/50 (4%)	1/50 (2%)
POLY-3 RATE (b)	1/43.32	0/39.12	2/42.78	1/38.24
POLY-3 PERCENT (g)	2.3%	0%	4.7%	2.6%
TERMINAL (d)	1/36 (3%)	0/25 (0%)	2/30 (7%)	0/24 (0%)
FIRST INCIDENCE	731 (T)	---	731 (T)	697
STATISTICAL TESTS				
POLY 3	P=0.460	P=0.520N	P=0.496	P=0.732
POLY 1.5	P=0.477	P=0.512N	P=0.500	P=0.744
POLY 6	P=0.443	P=0.534N	P=0.485	P=0.717
COCH-ARM / FISHERS	P=0.502	P=0.505N	P=0.500	P=0.753N
MAX-ISO-POLY-3	P=0.402	P=0.182N	P=0.278	P=0.466

Experiment Number: 20303 - 06
 Test Type: CHRONIC
 Route: RESPIRATORY EXPOSURE WHOLE BODY
 Species/Strain: MICE/B6C3F1

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
 Vinylidene chloride
 CAS Number: 75-35-4

Date Report Requested: 03/26/2012
 Time Report Requested: 12:00:38
 First Dose M/F: 06/20/05 / 06/20/05
 Lab: BNW

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

DOSE	Females			
	Control	6.25 ppm	12.5 ppm	25 ppm
Uterus: Endometrium Hyperplasia Cystic				
LESION RATES				
OVERALL (a)	36/50 (72%)	41/49 (84%)	46/50 (92%)	46/50 (92%)
POLY-3 RATE (b)	36/48.64	41/46.23	46/48.32	46/47.24
POLY-3 PERCENT (g)	74%	88.7%	95.2%	97.4%
TERMINAL (d)	25/36 (69%)	24/25 (96%)	29/30 (97%)	24/24 (100%)
FIRST INCIDENCE	325	471	524	413
STATISTICAL TESTS				
POLY 3	P<0.001**	P=0.049*	P=0.002**	P<0.001**
POLY 1.5	P<0.001**	P=0.073	P=0.004**	P<0.001**
POLY 6	P<0.001**	P=0.031*	P=0.002**	P<0.001**
COCH-ARM / FISHERS	P=0.004**	P=0.124	P=0.009**	P=0.009**
MAX-ISO-POLY-3	P<0.001**	P=0.029*	P<0.001**	P<0.001**

Experiment Number: 20303 - 06
Test Type: CHRONIC
Route: RESPIRATORY EXPOSURE WHOLE BODY
Species/Strain: MICE/B6C3F1

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

Vinylidene chloride
CAS Number: 75-35-4

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First Dose M/F: 06/20/05 / 06/20/05
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 ***