

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

**P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS**

Vinylidene chloride  
**CAS Number:** 75-35-4

**Date Report Requested:** 08/26/2013  
**Time Report Requested:** 12:08:14  
**First Dose M/F:** 06/20/05 / 06/20/05  
**Lab:** BNW

F3\_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:** 3.0.2.0\_001  
**PWG Approval Date:** 07/01/2011

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**HISTORICAL CONTROL STUDIES**  
From June 2013 report

**SAME ROUTE**

20011-06 -- 1-Bromopropane (INHALATION AIR)  
60311-06 -- Cobalt (INHALATION AIR)  
99017-06 -- Diethylamine (INHALATION AIR)  
20515-04 -- Metal working fluids (CIMSTAR 3800) (INHALATION AIR)  
93025-06 -- Tetralin (INHALATION AIR)

**ALL ROUTES**

99037-06 -- alpha/beta Thujone mixture (GAVAGE METHYLCELLULOSE)  
20011-06 -- 1-Bromopropane (INHALATION AIR)  
60311-06 -- Cobalt (INHALATION AIR)  
99017-06 -- Diethylamine (INHALATION AIR)  
99031-04 -- Ginkgo biloba extract (GAVAGE CORN OIL)  
20005-06 -- Ginseng (GAVAGE WATER)  
20203-04 -- Green tea extract (GAVAGE WATER)  
20006-04 -- Indole-3-carbinol (GAVAGE CORN OIL)  
20007-06 -- Kava kava extract (GAVAGE CORN OIL)  
20515-04 -- Metal working fluids (CIMSTAR 3800) (INHALATION AIR)  
95003-06 -- Methyl trans-styryl ketone (SKIN ETHANOL)  
20107-04 -- N,N-Dimethyl-p-toluidine (GAVAGE CORN OIL)  
20009-04 -- beta-Picoline (ORAL WATER)  
99032-04 -- Pyrogallol (SKIN ETHANOL)  
20320-04 -- Tetrabromobisphenol A (GAVAGE CORN OIL)  
93025-06 -- Tetralin (INHALATION AIR)  
88133-08 -- Trimethylolpropane triacrylate (SKIN ACETONE)  
96014-06 -- Water disinfection byproducts (Bromodichloroacetic acid) (ORAL WATER)

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**FOR ALL DOSES THE TUMOR RATES IN THE FOLLOWING TISSUES/ORGANS ARE BASED ON NUMBER OF TISSUES EXAMINED.  
IN OTHER TISSUES/ORGANS RATES ARE BASED ON THE NUMBER OF ANIMALS NECROPSIED.**

Adrenal Cortex  
Adrenal Medulla  
Bone Marrow  
Islets, Pancreatic  
Kidney  
Liver  
Lung  
Ovary  
Pituitary Gland  
Spleen  
Testes  
Thyroid Gland

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

### MALE MICE

#### Organ

Intestine Small: Duodenum  
Kidney: Renal Tubule

Liver

All Organs

#### Morphology

Carcinoma  
Adenoma  
Carcinoma  
Carcinoma or Adenoma  
Hepatocellular Adenoma  
Hepatocellular Carcinoma  
Hepatocellular Carcinoma or Hepatoblastoma  
Hemangiosarcoma or Hemangioma  
Benign Tumors  
Malignant Tumors

### FEMALE MICE

#### Organ

Harderian Gland  
Liver

Lung  
Skin  
Stomach, Forestomach  
All Organs

#### Morphology

Adenoma  
Hemangiosarcoma  
Hepatocellular Adenoma  
Hepatocellular Carcinoma  
Hepatocellular Carcinoma or Hepatoblastoma  
Hepatocellular Carcinoma or Hepatocellular Adenoma  
Hepatocellular Carcinoma, Hepatocellular Adenoma, or Hepatoblastoma  
Alveolar/Bronchiolar Carcinoma  
Fibrous Histiocytoma  
Squamous Cell Papilloma  
Hemangiosarcoma  
Hemangiosarcoma or Hemangioma  
Malignant Tumors

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**STATISTICAL ANALYSIS OF PRIMARY TUMORS IN MICE(B6C3F1)  
 TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Males			
	Control	6.25 ppm	12.5 ppm	25 ppm
<b>Adrenal Cortex Adenoma</b>				
<b>TUMOR RATES</b>				
OVERALL (a)	1/50 (2%)	1/50 (2%)	4/50 (8%)	2/50 (4%)
POLY-3 RATE (b)	1/42.11	1/47.23	4/41.50	2/36.57
POLY-3 PERCENT (g)	2.4%	2.1%	9.6%	5.5%
TERMINAL (d)	1/29 (3%)	1/40 (3%)	4/32 (13%)	1/19 (5%)
FIRST INCIDENCE	729 (T)	729 (T)	729 (T)	705
HC TUMORS SAME ROUTE	22/247 (9%)			
HC TUMORS ALL ROUTES	56/895 (6%)			
<b>STATISTICAL TESTS</b>				
POLY 3	P=0.218	P=0.734N	P=0.173	P=0.451
POLY 1.5	P=0.258	P=0.745N	P=0.175	P=0.473
POLY 6	P=0.170	P=0.720N	P=0.174	P=0.418
COCH-ARM / FISHERS	P=0.313	P=0.753N	P=0.181	P=0.500
MAX-ISO-POLY-3	P=0.247	P=0.468N	P=0.081	P=0.254
HISTCONT SAME RTE	(h)	(h)	(h)	(h)
HISTCONT ALL RTEs	P=0.738	P=1.000	P=0.402	P=1.000
CURR VS HC SAME RTE	P=0.161			
CURR VS HC ALL RTEs	P=0.252			

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**STATISTICAL ANALYSIS OF PRIMARY TUMORS IN MICE(B6C3F1)  
 TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Males			
	Control	6.25 ppm	12.5 ppm	25 ppm
<b>Adrenal Medulla</b>				
<b>Pheochromocytoma: Benign, Complex, Malignant, NOS</b>				
<b>TUMOR RATES</b>				
OVERALL (a)	2/50 (4%)	1/50 (2%)	0/50 (0%)	1/50 (2%)
POLY-3 RATE (b)	2/42.11	1/47.49	0/41.50	1/36.58
POLY-3 PERCENT (g)	4.8%	2.1%	0%	2.7%
TERMINAL (d)	2/29 (7%)	0/40 (0%)	0/32 (0%)	0/19 (0%)
FIRST INCIDENCE	729 (T)	658	---	701
HC TUMORS SAME ROUTE	3/245 (1%)			
HC TUMORS ALL ROUTES	4/890 (0%)			
<b>STATISTICAL TESTS</b>				
POLY 3	P=0.386N	P=0.458N	P=0.240N	P=0.549N
POLY 1.5	P=0.379N	P=0.476N	P=0.240N	P=0.527N
POLY 6	P=0.390N	P=0.436N	P=0.239N	P=0.581N
COCH-ARM / FISHERS	P=0.366N	P=0.500N	P=0.247N	P=0.500N
MAX-ISO-POLY-3	P=0.295N	P=0.258N	P=0.079N	P=0.333N
HISTCONT SAME RTE	P=0.331	P=1.000	P=1.000	P=1.000
HISTCONT ALL RTES	P=0.097	P=0.251	P=1.000	P=0.200
CURR VS HC SAME RTE	P=0.081			
CURR VS HC ALL RTES	P=0.002**			

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 TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Males			
	Control	6.25 ppm	12.5 ppm	25 ppm
<b>Bone Marrow Hemangiosarcoma</b>				
<b>TUMOR RATES</b>				
OVERALL (a)	1/50 (2%)	0/50 (0%)	1/50 (2%)	2/50 (4%)
POLY-3 RATE (b)	1/42.56	0/47.23	1/41.50	2/37.16
POLY-3 PERCENT (g)	2.4%	0%	2.4%	5.4%
TERMINAL (d)	0/29 (0%)	0/40 (0%)	1/32 (3%)	0/19 (0%)
FIRST INCIDENCE	596	---	729 (T)	548
HC TUMORS SAME ROUTE	3/248 (1%)			
HC TUMORS ALL ROUTES	10/898 (1%)			
<b>STATISTICAL TESTS</b>				
POLY 3	P=0.204	P=0.479N	P=0.755	P=0.453
POLY 1.5	P=0.222	P=0.488N	P=0.757	P=0.474
POLY 6	P=0.183	P=0.469N	P=0.755	P=0.421
COCH-ARM / FISHERS	P=0.247	P=0.500N	P=0.753N	P=0.500
MAX-ISO-POLY-3	P=0.207	P=0.158N	P=0.492	P=0.255
HISTCONT SAME RTE	P=0.122	P=1.000	P=1.000	P=0.144
HISTCONT ALL RTES	P=0.073	P=1.000	P=1.000	P=0.059
CURR VS HC SAME RTE	P=0.708			
CURR VS HC ALL RTES	P=0.565			

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 TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Males			
	Control	6.25 ppm	12.5 ppm	25 ppm
<b>Harderian Gland Adenoma</b>				
<b>TUMOR RATES</b>	#	#	#	#
OVERALL (a)	7/50 (14%)	6/50 (12%)	8/50 (16%)	8/50 (16%)
POLY-3 RATE (b)	7/42.35	6/47.23	8/42.26	8/37.68
POLY-3 PERCENT (g)	16.5%	12.7%	18.9%	21.2%
TERMINAL (d)	5/29 (17%)	6/40 (15%)	5/32 (16%)	4/19 (21%)
FIRST INCIDENCE	694	729 (T)	599	575
HC TUMORS SAME ROUTE	26/250 (10%)			
HC TUMORS ALL ROUTES	112/900 (12%)			
<b>STATISTICAL TESTS</b>				
POLY 3	P=0.252	P=0.416N	P=0.498	P=0.401
POLY 1.5	P=0.305	P=0.451N	P=0.496	P=0.446
POLY 6	P=0.194	P=0.376N	P=0.509	P=0.338
COCH-ARM / FISHERS	P=0.380	P=0.500N	P=0.500	P=0.500
MAX-ISO-POLY-3	P=0.376	P=0.314N	P=0.385	P=0.305
HISTCONT SAME RTE	P=0.033*	P=1.000	P=0.092	P=0.064
HISTCONT ALL RTES	P=0.117	P=1.000	P=0.200	P=0.117
CURR VS HC SAME RTE	P=0.373			
CURR VS HC ALL RTES	P=0.676			



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 TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Males			
	Control	6.25 ppm	12.5 ppm	25 ppm
<b>Harderian Gland Carcinoma</b>				
<b>TUMOR RATES</b>	#	#	#	#
OVERALL (a)	0/50 (0%)	2/50 (4%)	1/50 (2%)	0/50 (0%)
POLY-3 RATE (b)	0/42.11	2/47.42	1/41.50	0/36.47
POLY-3 PERCENT (g)	0%	4.2%	2.4%	0%
TERMINAL (d)	0/29 (0%)	1/40 (3%)	1/32 (3%)	0/19 (0%)
FIRST INCIDENCE	---	680	729 (T)	---
HC TUMORS SAME ROUTE	17/250 (7%)			
HC TUMORS ALL ROUTES	34/900 (4%)			
<b>STATISTICAL TESTS</b>				
POLY 3	P=0.504N	P=0.265	P=0.497	(e)
POLY 1.5	P=0.484N	P=0.253	P=0.498	(e)
POLY 6	P=0.533N	P=0.280	P=0.498	(e)
COCH-ARM / FISHERS	P=0.461N	P=0.247	P=0.500	(e)
MAX-ISO-POLY-3	P=0.382	P=0.102	P=0.158	(e)
HISTCONT SAME RTE	(h)	(h)	(h)	(e)
HISTCONT ALL RTES	(h)	(h)	(h)	(e)
CURR VS HC SAME RTE	P=0.054			
CURR VS HC ALL RTES	P=0.175			

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 TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Males			
	Control	6.25 ppm	12.5 ppm	25 ppm
<b>Harderian Gland Carcinoma or Adenoma</b>				
<b>TUMOR RATES</b>	#	#	#	#
OVERALL (a)	7/50 (14%)	8/50 (16%)	9/50 (18%)	8/50 (16%)
POLY-3 RATE (b)	7/42.35	8/47.42	9/42.26	8/37.68
POLY-3 PERCENT (g)	16.5%	16.9%	21.3%	21.2%
TERMINAL (d)	5/29 (17%)	7/40 (18%)	6/32 (19%)	4/19 (21%)
FIRST INCIDENCE	694	680	599	575
HC TUMORS SAME ROUTE	43/250 (17%)			
HC TUMORS ALL ROUTES	146/900 (16%)			
<b>STATISTICAL TESTS</b>				
POLY 3	P=0.302	P=0.594	P=0.389	P=0.401
POLY 1.5	P=0.364	P=0.555	P=0.387	P=0.446
POLY 6	P=0.231	P=0.582N	P=0.399	P=0.338
COCH-ARM / FISHERS	P=0.448	P=0.500	P=0.393	P=0.500
MAX-ISO-POLY-3	P=0.484	P=0.483	P=0.288	P=0.305
HISTCONT SAME RTE	P=0.542	P=1.000	P=0.416	P=0.438
HISTCONT ALL RTES	P=0.454	P=1.000	P=0.341	P=0.377
CURR VS HC SAME RTE	P=0.717			
CURR VS HC ALL RTES	P=0.765			

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 TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Males			
	Control	6.25 ppm	12.5 ppm	25 ppm
<b>Intestine Small: Duodenum Carcinoma</b>				
<b>TUMOR RATES</b>	#	#	#	#
OVERALL (a)	0/50 (0%)	0/50 (0%)	0/50 (0%)	2/50 (4%)
POLY-3 RATE (b)	0/42.11	0/47.23	0/41.50	2/37.01
POLY-3 PERCENT (g)	0%	0%	0%	5.4%
TERMINAL (d)	0/29 (0%)	0/40 (0%)	0/32 (0%)	1/19 (5%)
FIRST INCIDENCE	---	---	---	563
HC TUMORS SAME ROUTE	0/250 (0%)			
HC TUMORS ALL ROUTES	1/900 (0%)			
<b>STATISTICAL TESTS</b>				
POLY 3	P=0.038*	(e)	(e)	P=0.209
POLY 1.5	P=0.041*	(e)	(e)	P=0.222
POLY 6	P=0.035*	(e)	(e)	P=0.192
COCH-ARM / FISHERS	P=0.046*	(e)	(e)	P=0.247
MAX-ISO-POLY-3	P=0.032*	(e)	(e)	P=0.075
HISTCONT SAME RTE	P=0.022*	(e)	(e)	P=0.027*
HISTCONT ALL RTES	P<0.001**	(e)	(e)	P<0.001**
CURR VS HC SAME RTE	P=1.000			
CURR VS HC ALL RTES	P=0.547			

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DOSE	Males			
	Control	6.25 ppm	12.5 ppm	25 ppm
<b>Intestine Small: Ileum Carcinoma</b>				
<b>TUMOR RATES</b>	#	#	#	#
OVERALL (a)	0/50 (0%)	1/50 (2%)	0/50 (0%)	0/50 (0%)
POLY-3 RATE (b)	0/42.11	1/47.23	0/41.50	0/36.47
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)	---	---
HC TUMORS SAME ROUTE	0/250 (0%)			
HC TUMORS ALL ROUTES	0/900 (0%)			
<b>STATISTICAL TESTS</b>				
POLY 3	(n)	(n)	(n)	(n)
POLY 1.5	(n)	(n)	(n)	(n)
POLY 6	(n)	(n)	(n)	(n)
COCH-ARM / FISHERS	(n)	(n)	(n)	(n)
MAX-ISO-POLY-3	(n)	(n)	(n)	(n)
HISTCONT SAME RTE	(n)	(n)	(n)	(n)
HISTCONT ALL RTES	(n)	(n)	(n)	(n)
CURR VS HC SAME RTE	(n)			
CURR VS HC ALL RTES	(n)			

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 TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Males			
	Control	6.25 ppm	12.5 ppm	25 ppm
<b>Intestine Small: Jejunum Carcinoma</b>				
<b>TUMOR RATES</b>	#	#	#	#
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)	---	---
HC TUMORS SAME ROUTE	6/250 (2%)			
HC TUMORS ALL ROUTES	18/900 (2%)			
<b>STATISTICAL TESTS</b>				
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)
HISTCONT SAME RTE	P=1.000	P=0.457	(e)	(e)
HISTCONT ALL RTES	P=1.000	P=0.317	(e)	(e)
CURR VS HC SAME RTE	P=0.380			
CURR VS HC ALL RTES	P=0.352			

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 Lab: BNW

**STATISTICAL ANALYSIS OF PRIMARY TUMORS IN MICE(B6C3F1)  
 TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Males			
	Control	6.25 ppm	12.5 ppm	25 ppm
<b>Intestine Small: Site Unspecified Carcinoma</b>				
<b>TUMOR RATES</b>	#	#	#	#
OVERALL (a)	0/50 (0%)	3/50 (6%)	0/50 (0%)	2/50 (4%)
POLY-3 RATE (b)	0/42.11	3/47.23	0/41.50	2/37.01
POLY-3 PERCENT (g)	0%	6.4%	0%	5.4%
TERMINAL (d)	0/29 (0%)	3/40 (8%)	0/32 (0%)	1/19 (5%)
FIRST INCIDENCE	---	729 (T)	---	563
HC TUMORS SAME ROUTE	6/250 (2%)			
HC TUMORS ALL ROUTES	19/900 (2%)			
<b>STATISTICAL TESTS</b>				
POLY 3	P=0.311	P=0.141	(e)	P=0.209
POLY 1.5	P=0.329	P=0.131	(e)	P=0.222
POLY 6	P=0.288	P=0.153	(e)	P=0.192
COCH-ARM / FISHERS	P=0.351	P=0.121	(e)	P=0.247
MAX-ISO-POLY-3	P=0.156	P=0.057	(e)	P=0.075
HISTCONT SAME RTE	P=0.483	P=0.225	(e)	P=0.373
HISTCONT ALL RTES	P=0.329	P=0.065	(e)	P=0.244
CURR VS HC SAME RTE	P=0.380			
CURR VS HC ALL RTES	P=0.336			

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

P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS  
 Vinylidene chloride  
 CAS Number: 75-35-4

Date Report Requested: 08/26/2013  
 Time Report Requested: 12:08:14  
 First Dose M/F: 06/20/05 / 06/20/05  
 Lab: BNW

**STATISTICAL ANALYSIS OF PRIMARY TUMORS IN MICE(B6C3F1)  
 TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Males			
	Control	6.25 ppm	12.5 ppm	25 ppm
<b>Intestine Small: Site Unspecified Carcinoma or Adenoma</b>				
<b>TUMOR RATES</b>	#	#	#	#
OVERALL (a)	1/50 (2%)	3/50 (6%)	1/50 (2%)	2/50 (4%)
POLY-3 RATE (b)	1/42.11	3/47.23	1/41.50	2/37.01
POLY-3 PERCENT (g)	2.4%	6.4%	2.4%	5.4%
TERMINAL (d)	1/29 (3%)	3/40 (8%)	1/32 (3%)	1/19 (5%)
FIRST INCIDENCE	729 (T)	729 (T)	729 (T)	563
HC TUMORS SAME ROUTE	9/250 (4%)			
HC TUMORS ALL ROUTES	30/900 (3%)			
<b>STATISTICAL TESTS</b>				
POLY 3	P=0.463	P=0.348	P=0.758	P=0.455
POLY 1.5	P=0.491	P=0.330	P=0.758	P=0.476
POLY 6	P=0.424	P=0.370	P=0.759	P=0.425
COCH-ARM / FISHERS	P=0.526	P=0.309	P=0.753N	P=0.500
MAX-ISO-POLY-3	P=0.436	P=0.197	P=0.495	P=0.256
HISTCONT SAME RTE	P=0.586	P=0.335	P=1.000	P=1.000
HISTCONT ALL RTES	P=0.542	P=0.234	P=1.000	P=0.474
CURR VS HC SAME RTE	P=0.640			
CURR VS HC ALL RTES	P=0.636			

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

P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS  
 Vinylidene chloride  
 CAS Number: 75-35-4

Date Report Requested: 08/26/2013  
 Time Report Requested: 12:08:14  
 First Dose M/F: 06/20/05 / 06/20/05  
 Lab: BNW

**STATISTICAL ANALYSIS OF PRIMARY TUMORS IN MICE(B6C3F1)  
 TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Males			
	Control	6.25 ppm	12.5 ppm	25 ppm
<b>Islets, Pancreatic Adenoma</b>				
<b>TUMOR RATES</b>				
OVERALL (a)	2/50 (4%)	1/49 (2%)	1/49 (2%)	0/49 (0%)
POLY-3 RATE (b)	2/42.53	1/46.55	1/41.59	0/35.58
POLY-3 PERCENT (g)	4.7%	2.2%	2.4%	0%
TERMINAL (d)	1/29 (3%)	1/40 (3%)	0/32 (0%)	0/19 (0%)
FIRST INCIDENCE	610	729 (T)	648	---
HC TUMORS SAME ROUTE	6/246 (2%)			
HC TUMORS ALL ROUTES	19/895 (2%)			
<b>STATISTICAL TESTS</b>				
POLY 3	P=0.186N	P=0.469N	P=0.508N	P=0.278N
POLY 1.5	P=0.173N	P=0.484N	P=0.508N	P=0.261N
POLY 6	P=0.201N	P=0.449N	P=0.505N	P=0.306N
COCH-ARM / FISHERS	P=0.156N	P=0.508N	P=0.508N	P=0.253N
MAX-ISO-POLY-3	P=0.184N	P=0.264N	P=0.288N	P=0.114N
HISTCONT SAME RTE	(h)	(h)	(h)	(h)
HISTCONT ALL RTEs	(h)	(h)	(h)	(h)
CURR VS HC SAME RTE	P=0.514			
CURR VS HC ALL RTEs	P=0.371			



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

P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS  
 Vinylidene chloride  
 CAS Number: 75-35-4

Date Report Requested: 08/26/2013  
 Time Report Requested: 12:08:14  
 First Dose M/F: 06/20/05 / 06/20/05  
 Lab: BNW

**STATISTICAL ANALYSIS OF PRIMARY TUMORS IN MICE(B6C3F1)  
 TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Males			
	Control	6.25 ppm	12.5 ppm	25 ppm
<b>Kidney: Renal Tubule Adenoma</b>				
<b>TUMOR RATES</b>				
OVERALL (a)	0/50 (0%)	5/50 (10%)	19/50 (38%)	10/50 (20%)
POLY-3 RATE (b)	0/42.11	5/47.23	19/43.00	10/37.48
POLY-3 PERCENT (g)	0%	10.6%	44.2%	26.7%
TERMINAL (d)	0/29 (0%)	5/40 (13%)	15/32 (47%)	8/19 (42%)
FIRST INCIDENCE	---	729 (T)	600	525
HC TUMORS SAME ROUTE	0/248 (0%)			
HC TUMORS ALL ROUTES	8/894 (1%)			
<b>STATISTICAL TESTS</b>				
POLY 3	P<0.001**	P=0.041*	P<0.001**	P<0.001**
POLY 1.5	P<0.001**	P=0.037*	P<0.001**	P<0.001**
POLY 6	P<0.001**	P=0.048*	P<0.001**	P<0.001**
COCH-ARM / FISHERS	P=0.002**	P=0.028*	P<0.001**	P<0.001**
MAX-ISO-POLY-3	P<0.001**	P=0.019*	P<0.001**	P<0.001**
HISTCONT SAME RTE	P=0.004**	P=0.004**	P<0.001**	P=0.003**
HISTCONT ALL RTES	P<0.001**	P<0.001**	P<0.001**	P<0.001**
CURR VS HC SAME RTE	P=1.000			
CURR VS HC ALL RTES	P=0.577			

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

P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS  
 Vinylidene chloride  
 CAS Number: 75-35-4

Date Report Requested: 08/26/2013  
 Time Report Requested: 12:08:14  
 First Dose M/F: 06/20/05 / 06/20/05  
 Lab: BNW

**STATISTICAL ANALYSIS OF PRIMARY TUMORS IN MICE(B6C3F1)  
 TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Males			
	Control	6.25 ppm	12.5 ppm	25 ppm
<b>Kidney: Renal Tubule Carcinoma</b>				
<b>TUMOR RATES</b>				
OVERALL (a)	0/50 (0%)	7/50 (14%)	31/50 (62%)	18/50 (36%)
POLY-3 RATE (b)	0/42.11	7/47.66	31/43.95	18/39.28
POLY-3 PERCENT (g)	0%	14.7%	70.5%	45.8%
TERMINAL (d)	0/29 (0%)	5/40 (13%)	24/32 (75%)	10/19 (53%)
FIRST INCIDENCE	---	619	429	537
HC TUMORS SAME ROUTE	0/248 (0%)			
HC TUMORS ALL ROUTES	3/894 (0%)			
<b>STATISTICAL TESTS</b>				
POLY 3	P<0.001**	P=0.012*	P<0.001**	P<0.001**
POLY 1.5	P<0.001**	P=0.010**	P<0.001**	P<0.001**
POLY 6	P<0.001**	P=0.016*	P<0.001**	P<0.001**
COCH-ARM / FISHERS	P<0.001**	P=0.006**	P<0.001**	P<0.001**
MAX-ISO-POLY-3	P<0.001**	P=0.006**	P<0.001**	P<0.001**
HISTCONT SAME RTE	P<0.001**	P=0.002**	P<0.001**	P<0.001**
HISTCONT ALL RTES	P<0.001**	P<0.001**	P<0.001**	P<0.001**
CURR VS HC SAME RTE	P=1.000			
CURR VS HC ALL RTES	P=0.569			

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

**P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS**

Vinylidene chloride  
 CAS Number: 75-35-4

Date Report Requested: 08/26/2013  
 Time Report Requested: 12:08:14  
 First Dose M/F: 06/20/05 / 06/20/05  
 Lab: BNW

**STATISTICAL ANALYSIS OF PRIMARY TUMORS IN MICE(B6C3F1)  
 TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Males			
	Control	6.25 ppm	12.5 ppm	25 ppm
<b>Kidney: Renal Tubule Carcinoma or Adenoma</b>				
<b>TUMOR RATES</b>				
OVERALL (a)	0/50 (0%)	11/50 (22%)	37/50 (74%)	27/50 (54%)
POLY-3 RATE (b)	0/42.11	11/47.66	37/45.16	27/40.29
POLY-3 PERCENT (g)	0%	23.1%	81.9%	67%
TERMINAL (d)	0/29 (0%)	9/40 (23%)	27/32 (84%)	17/19 (90%)
FIRST INCIDENCE	---	619	429	525
HC TUMORS SAME ROUTE	0/248 (0%)			
HC TUMORS ALL ROUTES	11/894 (1%)			
<b>STATISTICAL TESTS</b>				
POLY 3	P<0.001**	P<0.001**	P<0.001**	P<0.001**
POLY 1.5	P<0.001**	P<0.001**	P<0.001**	P<0.001**
POLY 6	P<0.001**	P<0.001**	P<0.001**	P<0.001**
COCH-ARM / FISHERS	P<0.001**	P<0.001**	P<0.001**	P<0.001**
MAX-ISO-POLY-3	P<0.001**	P<0.001**	P<0.001**	P<0.001**
HISTCONT SAME RTE	P<0.001**	P<0.001**	P<0.001**	P<0.001**
HISTCONT ALL RTES	P<0.001**	P<0.001**	P<0.001**	P<0.001**
CURR VS HC SAME RTE	P=1.000			
CURR VS HC ALL RTES	P=0.469			

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

**P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS**

Vinylidene chloride  
 CAS Number: 75-35-4

Date Report Requested: 08/26/2013  
 Time Report Requested: 12:08:14  
 First Dose M/F: 06/20/05 / 06/20/05  
 Lab: BNW

**STATISTICAL ANALYSIS OF PRIMARY TUMORS IN MICE(B6C3F1)  
 TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Males			
	Control	6.25 ppm	12.5 ppm	25 ppm
<b>Liver Hemangioma</b>				
<b>TUMOR RATES</b>				
OVERALL (a)	0/50 (0%)	1/50 (2%)	2/50 (4%)	0/50 (0%)
POLY-3 RATE (b)	0/42.11	1/47.23	2/41.51	0/36.47
POLY-3 PERCENT (g)	0%	2.1%	4.8%	0%
TERMINAL (d)	0/29 (0%)	1/40 (3%)	1/32 (3%)	0/19 (0%)
FIRST INCIDENCE	---	729 (T)	726	---
HC TUMORS SAME ROUTE	0/249 (0%)			
HC TUMORS ALL ROUTES	4/899 (0%)			
<b>STATISTICAL TESTS</b>				
POLY 3	P=0.600	P=0.523	P=0.234	(e)
POLY 1.5	P=0.642	P=0.513	P=0.234	(e)
POLY 6	P=0.534	P=0.534	P=0.235	(e)
COCH-ARM / FISHERS	P=0.616N	P=0.500	P=0.247	(e)
MAX-ISO-POLY-3	P=0.357	P=0.186	P=0.076	(e)
HISTCONT SAME RTE	P=0.240	P=0.125	P=0.023*	(e)
HISTCONT ALL RTES	P=0.260	P=0.317	P=0.012*	(e)
CURR VS HC SAME RTE	P=1.000			
CURR VS HC ALL RTES	P=0.574			

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

**P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS**

Vinylidene chloride  
 CAS Number: 75-35-4

Date Report Requested: 08/26/2013  
 Time Report Requested: 12:08:14  
 First Dose M/F: 06/20/05 / 06/20/05  
 Lab: BNW

**STATISTICAL ANALYSIS OF PRIMARY TUMORS IN MICE(B6C3F1)  
 TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Males			
	Control	6.25 ppm	12.5 ppm	25 ppm
<b>Liver</b>				
<b>Hemangiosarcoma</b>				
<b>TUMOR RATES</b>				
OVERALL (a)	2/50 (4%)	2/50 (4%)	3/50 (6%)	3/50 (6%)
POLY-3 RATE (b)	2/42.94	2/47.23	3/41.50	3/37.92
POLY-3 PERCENT (g)	4.7%	4.2%	7.2%	7.9%
TERMINAL (d)	0/29 (0%)	2/40 (5%)	3/32 (9%)	0/19 (0%)
FIRST INCIDENCE	596	729 (T)	729 (T)	470
HC TUMORS SAME ROUTE	8/249 (3%)			
HC TUMORS ALL ROUTES	54/899 (6%)			
<b>STATISTICAL TESTS</b>				
POLY 3	P=0.292	P=0.659N	P=0.484	P=0.443
POLY 1.5	P=0.327	P=0.673N	P=0.490	P=0.470
POLY 6	P=0.247	P=0.642N	P=0.480	P=0.404
COCH-ARM / FISHERS	P=0.371	P=0.691N	P=0.500	P=0.500
MAX-ISO-POLY-3	P=0.439	P=0.462N	P=0.313	P=0.286
HISTCONT SAME RTE	P=0.111	P=1.000	P=0.221	P=0.192
HISTCONT ALL RTES	P=0.689	P=1.000	P=1.000	P=1.000
CURR VS HC SAME RTE	P=0.745			
CURR VS HC ALL RTES	P=0.582			

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

P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS  
 Vinylidene chloride  
 CAS Number: 75-35-4

Date Report Requested: 08/26/2013  
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 First Dose M/F: 06/20/05 / 06/20/05  
 Lab: BNW

**STATISTICAL ANALYSIS OF PRIMARY TUMORS IN MICE(B6C3F1)  
 TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Males			
	Control	6.25 ppm	12.5 ppm	25 ppm
<b>Liver</b>				
<b>Hepatocellular Adenoma</b>				
<b>TUMOR RATES</b>				
OVERALL (a)	37/50 (74%)	35/50 (70%)	33/50 (66%)	25/50 (50%)
POLY-3 RATE (b)	37/47.67	35/48.30	33/44.74	25/41.66
POLY-3 PERCENT (g)	77.6%	72.5%	73.8%	60%
TERMINAL (d)	21/29 (72%)	31/40 (78%)	25/32 (78%)	12/19 (63%)
FIRST INCIDENCE	443	619	429	471
HC TUMORS SAME ROUTE	143/249 (57%)			
HC TUMORS ALL ROUTES	557/899 (62%)			
<b>STATISTICAL TESTS</b>				
POLY 3	P=0.040N*	P=0.361N	P=0.422N	P=0.046N*
POLY 1.5	P=0.016N*	P=0.380N	P=0.350N	P=0.023N*
POLY 6	P=0.114N	P=0.347N	P=0.510N	P=0.111N
COCH-ARM / FISHERS	P=0.005N**	P=0.412N	P=0.257N	P=0.011N*
MAX-ISO-POLY-3	P=0.056N	P=0.277N	P=0.330N	P=0.034N*
HISTCONT SAME RTE	P=0.365	P=0.074	P=0.068	P=1.000
HISTCONT ALL RTES	P=0.710	P=0.274	P=0.233	P=1.000
CURR VS HC SAME RTE	P=0.027*			
CURR VS HC ALL RTES	P=0.124			

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

**P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS**

Vinylidene chloride  
 CAS Number: 75-35-4

Date Report Requested: 08/26/2013  
 Time Report Requested: 12:08:14  
 First Dose M/F: 06/20/05 / 06/20/05  
 Lab: BNW

**STATISTICAL ANALYSIS OF PRIMARY TUMORS IN MICE(B6C3F1)  
 TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Males			
	Control	6.25 ppm	12.5 ppm	25 ppm
<b>Liver</b>				
<b>Hepatocellular Carcinoma</b>				
<b>TUMOR RATES</b>				
OVERALL (a)	26/50 (52%)	19/50 (38%)	15/50 (30%)	29/50 (58%)
POLY-3 RATE (b)	26/47.30	19/49.85	15/45.17	29/45.04
POLY-3 PERCENT (g)	55%	38.1%	33.2%	64.4%
TERMINAL (d)	11/29 (38%)	11/40 (28%)	7/32 (22%)	10/19 (53%)
FIRST INCIDENCE	443	521	508	425
HC TUMORS SAME ROUTE	82/249 (33%)			
HC TUMORS ALL ROUTES	322/899 (36%)			
<b>STATISTICAL TESTS</b>				
POLY 3	P=0.118	P=0.070N	P=0.026N*	P=0.234
POLY 1.5	P=0.153	P=0.086N	P=0.023N*	P=0.283
POLY 6	P=0.080	P=0.056N	P=0.029N*	P=0.168
COCH-ARM / FISHERS	P=0.214	P=0.114N	P=0.021N*	P=0.344
MAX-ISO-POLY-3	P=0.024*	P=0.050N*	P=0.017N*	P=0.178
HISTCONT SAME RTE	P=0.034*	P=0.393	P=1.000	P=0.018*
HISTCONT ALL RTES	P=0.042*	P=1.000	P=1.000	P=0.005**
CURR VS HC SAME RTE	P=0.022*			
CURR VS HC ALL RTES	P=0.029*			

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

**P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS**

Vinylidene chloride  
 CAS Number: 75-35-4

Date Report Requested: 08/26/2013  
 Time Report Requested: 12:08:14  
 First Dose M/F: 06/20/05 / 06/20/05  
 Lab: BNW

**STATISTICAL ANALYSIS OF PRIMARY TUMORS IN MICE(B6C3F1)  
 TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Males			
	Control	6.25 ppm	12.5 ppm	25 ppm
<b>Liver</b>				
<b>Hepatocellular Carcinoma or Hepatoblastoma</b>				
<b>TUMOR RATES</b>				
OVERALL (a)	27/50 (54%)	19/50 (38%)	15/50 (30%)	29/50 (58%)
POLY-3 RATE (b)	27/47.30	19/49.85	15/45.17	29/45.04
POLY-3 PERCENT (g)	57.1%	38.1%	33.2%	64.4%
TERMINAL (d)	12/29 (41%)	11/40 (28%)	7/32 (22%)	10/19 (53%)
FIRST INCIDENCE	443	521	508	425
HC TUMORS SAME ROUTE	85/249 (34%)			
HC TUMORS ALL ROUTES	344/899 (38%)			
<b>STATISTICAL TESTS</b>				
POLY 3	P=0.156	P=0.045N*	P=0.015N*	P=0.302
POLY 1.5	P=0.198	P=0.057N	P=0.014N*	P=0.357
POLY 6	P=0.110	P=0.035N*	P=0.017N*	P=0.227
COCH-ARM / FISHERS	P=0.266	P=0.080N	P=0.013N*	P=0.420
MAX-ISO-POLY-3	P=0.028*	P=0.032N*	P=0.010N**	P=0.237
HISTCONT SAME RTE	P=0.052	P=0.453	P=1.000	P=0.025*
HISTCONT ALL RTES	P=0.069	P=1.000	P=1.000	P=0.010**
CURR VS HC SAME RTE	P=0.022*			
CURR VS HC ALL RTES	P=0.034*			



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

**P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS**

Vinylidene chloride  
 CAS Number: 75-35-4

Date Report Requested: 08/26/2013  
 Time Report Requested: 12:08:14  
 First Dose M/F: 06/20/05 / 06/20/05  
 Lab: BNW

**STATISTICAL ANALYSIS OF PRIMARY TUMORS IN MICE(B6C3F1)  
 TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Males			
	Control	6.25 ppm	12.5 ppm	25 ppm
<b>Liver</b>				
<b>Hepatocellular Carcinoma or Hepatocellular Adenoma</b>				
<b>TUMOR RATES</b>				
OVERALL (a)	44/50 (88%)	41/50 (82%)	41/50 (82%)	42/50 (84%)
POLY-3 RATE (b)	44/49.33	41/49.96	41/47.22	42/47.06
POLY-3 PERCENT (g)	89.2%	82.1%	86.8%	89.2%
TERMINAL (d)	24/29 (83%)	32/40 (80%)	28/32 (88%)	17/19 (90%)
FIRST INCIDENCE	443	521	429	425
HC TUMORS SAME ROUTE	185/249 (74%)			
HC TUMORS ALL ROUTES	698/899 (78%)			
<b>STATISTICAL TESTS</b>				
POLY 3	P=0.425	P=0.233N	P=0.481N	P=0.634
POLY 1.5	P=0.552	P=0.252N	P=0.400N	P=0.520N
POLY 6	P=0.270	P=0.219N	P=0.575N	P=0.482
COCH-ARM / FISHERS	P=0.397N	P=0.288N	P=0.288N	P=0.387N
MAX-ISO-POLY-3	P=0.475	P=0.157N	P=0.356N	P=0.496
HISTCONT SAME RTE	P=0.022*	P=0.184	P=0.065	P=0.039*
HISTCONT ALL RTES	P=0.110	P=1.000	P=0.209	P=0.110
CURR VS HC SAME RTE	P=0.038*			
CURR VS HC ALL RTES	P=0.142			

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

**P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS**

Vinylidene chloride  
 CAS Number: 75-35-4

Date Report Requested: 08/26/2013  
 Time Report Requested: 12:08:14  
 First Dose M/F: 06/20/05 / 06/20/05  
 Lab: BNW

**STATISTICAL ANALYSIS OF PRIMARY TUMORS IN MICE(B6C3F1)  
 TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Males			
	Control	6.25 ppm	12.5 ppm	25 ppm
<b>Liver</b>				
<b>Hepatocellular Carcinoma, Hepatocellular Adenoma, or Hepatoblastoma</b>				
<b>TUMOR RATES</b>				
OVERALL (a)	45/50 (90%)	41/50 (82%)	41/50 (82%)	42/50 (84%)
POLY-3 RATE (b)	45/49.33	41/49.96	41/47.22	42/47.06
POLY-3 PERCENT (g)	91.2%	82.1%	86.8%	89.2%
TERMINAL (d)	25/29 (86%)	32/40 (80%)	28/32 (88%)	17/19 (90%)
FIRST INCIDENCE	443	521	429	425
HC TUMORS SAME ROUTE	186/249 (75%)			
HC TUMORS ALL ROUTES	701/899 (78%)			
<b>STATISTICAL TESTS</b>				
POLY 3	P=0.529	P=0.146N	P=0.350N	P=0.506N
POLY 1.5	P=0.461N	P=0.162N	P=0.279N	P=0.389N
POLY 6	P=0.362	P=0.134N	P=0.442N	P=0.632
COCH-ARM / FISHERS	P=0.310N	P=0.194N	P=0.194N	P=0.277N
MAX-ISO-POLY-3	P=0.347N	P=0.090N	P=0.239N	P=0.363N
HISTCONT SAME RTE	P=0.024*	P=0.205	P=0.072	P=0.043*
HISTCONT ALL RTES	P=0.123	P=1.000	P=0.223	P=0.118
CURR VS HC SAME RTE	P=0.021*			
CURR VS HC ALL RTES	P=0.068			

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

**P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS**

Vinylidene chloride  
 CAS Number: 75-35-4

Date Report Requested: 08/26/2013  
 Time Report Requested: 12:08:14  
 First Dose M/F: 06/20/05 / 06/20/05  
 Lab: BNW

**STATISTICAL ANALYSIS OF PRIMARY TUMORS IN MICE(B6C3F1)  
 TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Males			
	Control	6.25 ppm	12.5 ppm	25 ppm
<b>Liver</b>				
<b>Hepatocholangiocarcinoma</b>				
<b>TUMOR RATES</b>				
OVERALL (a)	1/50 (2%)	2/50 (4%)	2/50 (4%)	3/50 (6%)
POLY-3 RATE (b)	1/42.21	2/47.34	2/42.63	3/37.41
POLY-3 PERCENT (g)	2.4%	4.2%	4.7%	8%
TERMINAL (d)	0/29 (0%)	1/40 (3%)	0/32 (0%)	1/19 (5%)
FIRST INCIDENCE	704	701	429	563
HC TUMORS SAME ROUTE	1/249 (0%)			
HC TUMORS ALL ROUTES	9/899 (1%)			
<b>STATISTICAL TESTS</b>				
POLY 3	P=0.181	P=0.540	P=0.503	P=0.262
POLY 1.5	P=0.203	P=0.523	P=0.501	P=0.282
POLY 6	P=0.155	P=0.560	P=0.509	P=0.236
COCH-ARM / FISHERS	P=0.232	P=0.500	P=0.500	P=0.309
MAX-ISO-POLY-3	P=0.226	P=0.324	P=0.284	P=0.139
HISTCONT SAME RTE	P=0.006**	P=0.045*	P=0.046*	P=0.019*
HISTCONT ALL RTES	P=0.003**	P=0.134	P=0.119	P=0.013*
CURR VS HC SAME RTE	P=0.090			
CURR VS HC ALL RTES	P=0.504			

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

**P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS**

Vinylidene chloride  
 CAS Number: 75-35-4

Date Report Requested: 08/26/2013  
 Time Report Requested: 12:08:14  
 First Dose M/F: 06/20/05 / 06/20/05  
 Lab: BNW

**STATISTICAL ANALYSIS OF PRIMARY TUMORS IN MICE(B6C3F1)  
 TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Males			
	Control	6.25 ppm	12.5 ppm	25 ppm
<b>Lung</b>				
<b>Alveolar/Bronchiolar Adenoma</b>				
<b>TUMOR RATES</b>				
OVERALL (a)	7/50 (14%)	8/50 (16%)	8/50 (16%)	7/50 (14%)
POLY-3 RATE (b)	7/42.25	8/47.49	8/43.45	7/37.16
POLY-3 PERCENT (g)	16.6%	16.9%	18.4%	18.8%
TERMINAL (d)	6/29 (21%)	7/40 (18%)	5/32 (16%)	5/19 (26%)
FIRST INCIDENCE	694	658	404	548
HC TUMORS SAME ROUTE	32/250 (13%)			
HC TUMORS ALL ROUTES	138/900 (15%)			
<b>STATISTICAL TESTS</b>				
POLY 3	P=0.430	P=0.597	P=0.524	P=0.512
POLY 1.5	P=0.496	P=0.557	P=0.513	P=0.560
POLY 6	P=0.346	P=0.576N	P=0.540	P=0.440
COCH-ARM / FISHERS	P=0.527N	P=0.500	P=0.500	P=0.613N
MAX-ISO-POLY-3	P=0.630	P=0.486	P=0.410	P=0.399
HISTCONT SAME RTE	P=0.162	P=0.334	P=0.229	P=0.241
HISTCONT ALL RTES	P=0.707	P=1.000	P=1.000	P=1.000
CURR VS HC SAME RTE	P=0.665			
CURR VS HC ALL RTES	P=0.876			

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

**P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS**

Vinylidene chloride  
 CAS Number: 75-35-4

Date Report Requested: 08/26/2013  
 Time Report Requested: 12:08:14  
 First Dose M/F: 06/20/05 / 06/20/05  
 Lab: BNW

**STATISTICAL ANALYSIS OF PRIMARY TUMORS IN MICE(B6C3F1)  
 TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Males			
	Control	6.25 ppm	12.5 ppm	25 ppm
<b>Lung</b>				
<b>Alveolar/Bronchiolar Carcinoma</b>				
<b>TUMOR RATES</b>				
OVERALL (a)	9/50 (18%)	9/50 (18%)	8/50 (16%)	6/50 (12%)
POLY-3 RATE (b)	9/42.76	9/47.47	8/42.92	6/36.82
POLY-3 PERCENT (g)	21.1%	19%	18.6%	16.3%
TERMINAL (d)	8/29 (28%)	8/40 (20%)	5/32 (16%)	5/19 (26%)
FIRST INCIDENCE	512	664	508	633
HC TUMORS SAME ROUTE	50/250 (20%)			
HC TUMORS ALL ROUTES	123/900 (14%)			
<b>STATISTICAL TESTS</b>				
POLY 3	P=0.350N	P=0.506N	P=0.497N	P=0.400N
POLY 1.5	P=0.289N	P=0.547N	P=0.502N	P=0.347N
POLY 6	P=0.431N	P=0.454N	P=0.479N	P=0.482N
COCH-ARM / FISHERS	P=0.217N	P=0.602N	P=0.500N	P=0.288N
MAX-ISO-POLY-3	P=0.500N	P=0.405N	P=0.388N	P=0.307N
HISTCONT SAME RTE	(h)	(h)	(h)	(h)
HISTCONT ALL RTES	P=0.580	P=0.330	P=0.371	P=1.000
CURR VS HC SAME RTE	P=0.933			
CURR VS HC ALL RTES	P=0.349			

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

**P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS**

Vinylidene chloride  
 CAS Number: 75-35-4

Date Report Requested: 08/26/2013  
 Time Report Requested: 12:08:14  
 First Dose M/F: 06/20/05 / 06/20/05  
 Lab: BNW

**STATISTICAL ANALYSIS OF PRIMARY TUMORS IN MICE(B6C3F1)  
 TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Males			
	Control	6.25 ppm	12.5 ppm	25 ppm
<b>Lung</b>				
<b>Alveolar/Bronchiolar Carcinoma or Alveolar/Bronchiolar Adenoma</b>				
<b>TUMOR RATES</b>				
OVERALL (a)	13/50 (26%)	16/50 (32%)	14/50 (28%)	12/50 (24%)
POLY-3 RATE (b)	13/42.90	16/47.74	14/44.55	12/37.50
POLY-3 PERCENT (g)	30.3%	33.5%	31.4%	32%
TERMINAL (d)	11/29 (38%)	14/40 (35%)	9/32 (28%)	9/19 (47%)
FIRST INCIDENCE	512	658	404	548
HC TUMORS SAME ROUTE	77/250 (31%)			
HC TUMORS ALL ROUTES	250/900 (28%)			
<b>STATISTICAL TESTS</b>				
POLY 3	P=0.513	P=0.459	P=0.547	P=0.531
POLY 1.5	P=0.478N	P=0.403	P=0.526	P=0.587N
POLY 6	P=0.393	P=0.534	P=0.580	P=0.425
COCH-ARM / FISHERS	P=0.364N	P=0.330	P=0.500	P=0.500N
MAX-ISO-POLY-3	P=0.661	P=0.376	P=0.454	P=0.436
HISTCONT SAME RTE	P=1.000	P=1.000	P=1.000	P=1.000
HISTCONT ALL RTES	P=0.701	P=0.381	P=1.000	P=1.000
CURR VS HC SAME RTE	P=0.740			
CURR VS HC ALL RTES	P=0.905			

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

P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS  
 Vinylidene chloride  
 CAS Number: 75-35-4

Date Report Requested: 08/26/2013  
 Time Report Requested: 12:08:14  
 First Dose M/F: 06/20/05 / 06/20/05  
 Lab: BNW

**STATISTICAL ANALYSIS OF PRIMARY TUMORS IN MICE(B6C3F1)  
 TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Males			
	Control	6.25 ppm	12.5 ppm	25 ppm
<b>Mammary Gland Carcinoma</b>				
<b>TUMOR RATES</b>	#	#	#	#
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	---	---	---	---
HC TUMORS SAME ROUTE	0/250 (0%)			
HC TUMORS ALL ROUTES	0/900 (0%)			
<b>STATISTICAL TESTS</b>				
POLY 3	(n)	(n)	(n)	(n)
POLY 1.5	(n)	(n)	(n)	(n)
POLY 6	(n)	(n)	(n)	(n)
COCH-ARM / FISHERS	(n)	(n)	(n)	(n)
MAX-ISO-POLY-3	(n)	(n)	(n)	(n)
HISTCONT SAME RTE	(n)	(n)	(n)	(n)
HISTCONT ALL RTES	(n)	(n)	(n)	(n)
CURR VS HC SAME RTE	(n)			
CURR VS HC ALL RTES	(n)			

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

P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS  
 Vinylidene chloride  
 CAS Number: 75-35-4

Date Report Requested: 08/26/2013  
 Time Report Requested: 12:08:14  
 First Dose M/F: 06/20/05 / 06/20/05  
 Lab: BNW

**STATISTICAL ANALYSIS OF PRIMARY TUMORS IN MICE(B6C3F1)  
 TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Males			
	Control	6.25 ppm	12.5 ppm	25 ppm
<b>Pituitary Gland: Pars Distalis or Unspecified Site Adenoma</b>				
<b>TUMOR RATES</b>				
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	---	---	---	---
HC TUMORS SAME ROUTE	1/243 (0%)			
HC TUMORS ALL ROUTES	3/884 (0%)			
<b>STATISTICAL TESTS</b>				
POLY 3	(n)	(n)	(n)	(n)
POLY 1.5	(n)	(n)	(n)	(n)
POLY 6	(n)	(n)	(n)	(n)
COCH-ARM / FISHERS	(n)	(n)	(n)	(n)
MAX-ISO-POLY-3	(n)	(n)	(n)	(n)
HISTCONT SAME RTE	(n)	(n)	(n)	(n)
HISTCONT ALL RTES	(n)	(n)	(n)	(n)
CURR VS HC SAME RTE	(n)			
CURR VS HC ALL RTES	(n)			



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

P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS  
 Vinylidene chloride  
 CAS Number: 75-35-4

Date Report Requested: 08/26/2013  
 Time Report Requested: 12:08:14  
 First Dose M/F: 06/20/05 / 06/20/05  
 Lab: BNW

**STATISTICAL ANALYSIS OF PRIMARY TUMORS IN MICE(B6C3F1)  
 TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Males			
	Control	6.25 ppm	12.5 ppm	25 ppm
<b>Pituitary Gland: Pars Distalis or Unspecified Site Carcinoma or Adenoma</b>				
<b>TUMOR RATES</b>				
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	---	---	---	---
HC TUMORS SAME ROUTE	1/243 (0%)			
HC TUMORS ALL ROUTES	3/884 (0%)			
<b>STATISTICAL TESTS</b>				
POLY 3	(n)	(n)	(n)	(n)
POLY 1.5	(n)	(n)	(n)	(n)
POLY 6	(n)	(n)	(n)	(n)
COCH-ARM / FISHERS	(n)	(n)	(n)	(n)
MAX-ISO-POLY-3	(n)	(n)	(n)	(n)
HISTCONT SAME RTE	(n)	(n)	(n)	(n)
HISTCONT ALL RTES	(n)	(n)	(n)	(n)
CURR VS HC SAME RTE	(n)			
CURR VS HC ALL RTES	(n)			

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

**P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS**

Vinylidene chloride  
 CAS Number: 75-35-4

Date Report Requested: 08/26/2013  
 Time Report Requested: 12:08:14  
 First Dose M/F: 06/20/05 / 06/20/05  
 Lab: BNW

**STATISTICAL ANALYSIS OF PRIMARY TUMORS IN MICE(B6C3F1)  
 TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Males			
	Control	6.25 ppm	12.5 ppm	25 ppm
<b>Skin</b>				
Fibroma, Fibrosarcoma, Sarcoma, Myxoma, Myxosarcoma, or Fibrous Histiocytoma				
<b>TUMOR RATES</b>	#	#	#	#
OVERALL (a)	1/50 (2%)	2/50 (4%)	1/50 (2%)	2/50 (4%)
POLY-3 RATE (b)	1/42.11	2/47.23	1/41.50	2/36.47
POLY-3 PERCENT (g)	2.4%	4.2%	2.4%	5.5%
TERMINAL (d)	1/29 (3%)	2/40 (5%)	1/32 (3%)	2/19 (11%)
FIRST INCIDENCE	729 (T)	729 (T)	729 (T)	729 (T)
HC TUMORS SAME ROUTE	3/250 (1%)			
HC TUMORS ALL ROUTES	10/900 (1%)			
<b>STATISTICAL TESTS</b>				
POLY 3	P=0.380	P=0.540	P=0.758	P=0.450
POLY 1.5	P=0.408	P=0.523	P=0.758	P=0.473
POLY 6	P=0.343	P=0.560	P=0.759	P=0.416
COCH-ARM / FISHERS	P=0.444	P=0.500	P=0.753N	P=0.500
MAX-ISO-POLY-3	P=0.409	P=0.324	P=0.495	P=0.254
HISTCONT SAME RTE	P=0.089	P=0.180	P=1.000	P=0.141
HISTCONT ALL RTES	P=0.007**	P=0.045*	P=1.000	P=0.029*
CURR VS HC SAME RTE	P=0.706			
CURR VS HC ALL RTES	P=0.555			

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

P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS  
 Vinylidene chloride  
 CAS Number: 75-35-4

Date Report Requested: 08/26/2013  
 Time Report Requested: 12:08:14  
 First Dose M/F: 06/20/05 / 06/20/05  
 Lab: BNW

**STATISTICAL ANALYSIS OF PRIMARY TUMORS IN MICE(B6C3F1)  
 TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Males			
	Control	6.25 ppm	12.5 ppm	25 ppm
<b>Skin</b>				
<b>Fibrosarcoma, Sarcoma, Myxosarcoma, or Fibrous Histiocytoma</b>				
<b>TUMOR RATES</b>	#	#	#	#
OVERALL (a)	1/50 (2%)	2/50 (4%)	1/50 (2%)	2/50 (4%)
POLY-3 RATE (b)	1/42.11	2/47.23	1/41.50	2/36.47
POLY-3 PERCENT (g)	2.4%	4.2%	2.4%	5.5%
TERMINAL (d)	1/29 (3%)	2/40 (5%)	1/32 (3%)	2/19 (11%)
FIRST INCIDENCE	729 (T)	729 (T)	729 (T)	729 (T)
HC TUMORS SAME ROUTE	3/250 (1%)			
HC TUMORS ALL ROUTES	10/900 (1%)			
<b>STATISTICAL TESTS</b>				
POLY 3	P=0.380	P=0.540	P=0.758	P=0.450
POLY 1.5	P=0.408	P=0.523	P=0.758	P=0.473
POLY 6	P=0.343	P=0.560	P=0.759	P=0.416
COCH-ARM / FISHERS	P=0.444	P=0.500	P=0.753N	P=0.500
MAX-ISO-POLY-3	P=0.409	P=0.324	P=0.495	P=0.254
HISTCONT SAME RTE	P=0.089	P=0.180	P=1.000	P=0.141
HISTCONT ALL RTES	P=0.007**	P=0.045*	P=1.000	P=0.029*
CURR VS HC SAME RTE	P=0.706			
CURR VS HC ALL RTES	P=0.555			

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

**P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS**

Vinylidene chloride  
 CAS Number: 75-35-4

Date Report Requested: 08/26/2013  
 Time Report Requested: 12:08:14  
 First Dose M/F: 06/20/05 / 06/20/05  
 Lab: BNW

**STATISTICAL ANALYSIS OF PRIMARY TUMORS IN MICE(B6C3F1)  
 TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Males			
	Control	6.25 ppm	12.5 ppm	25 ppm
<b>Skin</b>				
<b>Fibrous Histiocytoma</b>				
<b>TUMOR RATES</b>	#	#	#	#
OVERALL (a)	1/50 (2%)	2/50 (4%)	1/50 (2%)	2/50 (4%)
POLY-3 RATE (b)	1/42.11	2/47.23	1/41.50	2/36.47
POLY-3 PERCENT (g)	2.4%	4.2%	2.4%	5.5%
TERMINAL (d)	1/29 (3%)	2/40 (5%)	1/32 (3%)	2/19 (11%)
FIRST INCIDENCE	729 (T)	729 (T)	729 (T)	729 (T)
HC TUMORS SAME ROUTE	1/250 (0%)			
HC TUMORS ALL ROUTES	4/900 (0%)			
<b>STATISTICAL TESTS</b>				
POLY 3	P=0.380	P=0.540	P=0.758	P=0.450
POLY 1.5	P=0.408	P=0.523	P=0.758	P=0.473
POLY 6	P=0.343	P=0.560	P=0.759	P=0.416
COCH-ARM / FISHERS	P=0.444	P=0.500	P=0.753N	P=0.500
MAX-ISO-POLY-3	P=0.409	P=0.324	P=0.495	P=0.254
HISTCONT SAME RTE	P=0.022*	P=0.045*	P=0.306	P=0.048*
HISTCONT ALL RTES	P<0.001**	P=0.002**	P=0.225	P=0.003**
CURR VS HC SAME RTE	P=0.086			
CURR VS HC ALL RTES	P=0.134			

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

P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS  
 Vinylidene chloride  
 CAS Number: 75-35-4

Date Report Requested: 08/26/2013  
 Time Report Requested: 12:08:14  
 First Dose M/F: 06/20/05 / 06/20/05  
 Lab: BNW

**STATISTICAL ANALYSIS OF PRIMARY TUMORS IN MICE(B6C3F1)  
 TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Males			
	Control	6.25 ppm	12.5 ppm	25 ppm
<b>Skin</b>				
<b>Sarcoma</b>				
<b>TUMOR RATES</b>	#	#	#	#
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	---	---	---	---
HC TUMORS SAME ROUTE	2/250 (1%)			
HC TUMORS ALL ROUTES	3/900 (0%)			
<b>STATISTICAL TESTS</b>				
POLY 3	(n)	(n)	(n)	(n)
POLY 1.5	(n)	(n)	(n)	(n)
POLY 6	(n)	(n)	(n)	(n)
COCH-ARM / FISHERS	(n)	(n)	(n)	(n)
MAX-ISO-POLY-3	(n)	(n)	(n)	(n)
HISTCONT SAME RTE	(n)	(n)	(n)	(n)
HISTCONT ALL RTES	(n)	(n)	(n)	(n)
CURR VS HC SAME RTE	(n)			
CURR VS HC ALL RTES	(n)			

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

**P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS**

Vinylidene chloride  
 CAS Number: 75-35-4

Date Report Requested: 08/26/2013  
 Time Report Requested: 12:08:14  
 First Dose M/F: 06/20/05 / 06/20/05  
 Lab: BNW

**STATISTICAL ANALYSIS OF PRIMARY TUMORS IN MICE(B6C3F1)  
 TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Males			
	Control	6.25 ppm	12.5 ppm	25 ppm
<b>Spleen Hemangiosarcoma</b>				
<b>TUMOR RATES</b>				
OVERALL (a)	2/50 (4%)	3/49 (6%)	1/50 (2%)	4/50 (8%)
POLY-3 RATE (b)	2/42.94	3/46.55	1/41.80	4/37.16
POLY-3 PERCENT (g)	4.7%	6.5%	2.4%	10.8%
TERMINAL (d)	0/29 (0%)	3/40 (8%)	0/32 (0%)	2/19 (11%)
FIRST INCIDENCE	596	729 (T)	648	548
HC TUMORS SAME ROUTE	9/247 (4%)			
HC TUMORS ALL ROUTES	31/888 (4%)			
<b>STATISTICAL TESTS</b>				
POLY 3	P=0.236	P=0.537	P=0.509N	P=0.272
POLY 1.5	P=0.261	P=0.518	P=0.507N	P=0.301
POLY 6	P=0.207	P=0.559	P=0.510N	P=0.232
COCH-ARM / FISHERS	P=0.295	P=0.490	P=0.500N	P=0.339
MAX-ISO-POLY-3	P=0.233	P=0.363	P=0.291N	P=0.168
HISTCONT SAME RTE	P=0.113	P=0.310	P=1.000	P=0.074
HISTCONT ALL RTES	P=0.054	P=0.236	P=1.000	P=0.018*
CURR VS HC SAME RTE	P=0.861			
CURR VS HC ALL RTES	P=0.833			

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

P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS  
 Vinylidene chloride  
 CAS Number: 75-35-4

Date Report Requested: 08/26/2013  
 Time Report Requested: 12:08:14  
 First Dose M/F: 06/20/05 / 06/20/05  
 Lab: BNW

**STATISTICAL ANALYSIS OF PRIMARY TUMORS IN MICE(B6C3F1)  
 TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Males			
	Control	6.25 ppm	12.5 ppm	25 ppm
<b>Stomach, Forestomach Squamous Cell Papilloma</b>				
<b>TUMOR RATES</b>	#	#	#	#
OVERALL (a)	1/50 (2%)	0/50 (0%)	0/50 (0%)	1/50 (2%)
POLY-3 RATE (b)	1/42.11	0/47.23	0/41.50	1/36.91
POLY-3 PERCENT (g)	2.4%	0%	0%	2.7%
TERMINAL (d)	1/29 (3%)	0/40 (0%)	0/32 (0%)	0/19 (0%)
FIRST INCIDENCE	729 (T)	---	---	601
HC TUMORS SAME ROUTE	0/250 (0%)			
HC TUMORS ALL ROUTES	23/900 (3%)			
<b>STATISTICAL TESTS</b>				
POLY 3	(n)	(n)	(n)	(n)
POLY 1.5	(n)	(n)	(n)	(n)
POLY 6	(n)	(n)	(n)	(n)
COCH-ARM / FISHERS	(n)	(n)	(n)	(n)
MAX-ISO-POLY-3	(n)	(n)	(n)	(n)
HISTCONT SAME RTE	(n)	(n)	(n)	(n)
HISTCONT ALL RTES	(n)	(n)	(n)	(n)
CURR VS HC SAME RTE	(n)			
CURR VS HC ALL RTES	(n)			

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

P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS  
 Vinylidene chloride  
 CAS Number: 75-35-4

Date Report Requested: 08/26/2013  
 Time Report Requested: 12:08:14  
 First Dose M/F: 06/20/05 / 06/20/05  
 Lab: BNW

**STATISTICAL ANALYSIS OF PRIMARY TUMORS IN MICE(B6C3F1)  
 TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Males			
	Control	6.25 ppm	12.5 ppm	25 ppm
<b>Testes</b>				
<b>Adenoma</b>				
<b>TUMOR RATES</b>				
OVERALL (a)	1/50 (2%)	2/50 (4%)	1/50 (2%)	1/50 (2%)
POLY-3 RATE (b)	1/42.11	2/47.23	1/41.50	1/36.72
POLY-3 PERCENT (g)	2.4%	4.2%	2.4%	2.7%
TERMINAL (d)	1/29 (3%)	2/40 (5%)	1/32 (3%)	0/19 (0%)
FIRST INCIDENCE	729 (T)	729 (T)	729 (T)	662
HC TUMORS SAME ROUTE	1/250 (0%)			
HC TUMORS ALL ROUTES	7/900 (1%)			
<b>STATISTICAL TESTS</b>				
POLY 3	P=0.574N	P=0.540	P=0.758	P=0.730
POLY 1.5	P=0.555N	P=0.523	P=0.758	P=0.744
POLY 6	P=0.597N	P=0.560	P=0.759	P=0.708
COCH-ARM / FISHERS	P=0.531N	P=0.500	P=0.753N	P=0.753N
MAX-ISO-POLY-3	P=0.655	P=0.324	P=0.495	P=0.463
HISTCONT SAME RTE	P=0.114	P=0.044*	P=0.302	P=0.281
HISTCONT ALL RTES	P=0.038*	P=0.010**	P=0.393	P=0.349
CURR VS HC SAME RTE	P=0.082			
CURR VS HC ALL RTES	P=0.348			



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

**P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS**

Vinylidene chloride  
 CAS Number: 75-35-4

Date Report Requested: 08/26/2013  
 Time Report Requested: 12:08:14  
 First Dose M/F: 06/20/05 / 06/20/05  
 Lab: BNW

**STATISTICAL ANALYSIS OF PRIMARY TUMORS IN MICE(B6C3F1)  
 TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Males			
	Control	6.25 ppm	12.5 ppm	25 ppm
<b>Thyroid Gland: Follicular Cell Carcinoma or Adenoma</b>				
<b>TUMOR RATES</b>				
OVERALL (a)	0/50 (0%)	0/49 (0%)	2/50 (4%)	0/49 (0%)
POLY-3 RATE (b)	0/42.11	0/46.47	2/41.80	0/35.47
POLY-3 PERCENT (g)	0%	0%	4.8%	0%
TERMINAL (d)	0/29 (0%)	0/40 (0%)	1/32 (3%)	0/18 (0%)
FIRST INCIDENCE	---	---	648	---
HC TUMORS SAME ROUTE	0/247 (0%)			
HC TUMORS ALL ROUTES	8/894 (1%)			
<b>STATISTICAL TESTS</b>				
POLY 3	P=0.485	(e)	P=0.235	(e)
POLY 1.5	P=0.535	(e)	P=0.235	(e)
POLY 6	P=0.409	(e)	P=0.237	(e)
COCH-ARM / FISHERS	P=0.592	(e)	P=0.247	(e)
MAX-ISO-POLY-3	P=0.282	(e)	P=0.076	(e)
HISTCONT SAME RTE	P=0.224	(e)	P=0.023*	(e)
HISTCONT ALL RTES	P=0.372	(e)	P=0.024*	(e)
CURR VS HC SAME RTE	P=1.000			
CURR VS HC ALL RTES	P=0.571			

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

**P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS**

Vinylidene chloride  
 CAS Number: 75-35-4

Date Report Requested: 08/26/2013  
 Time Report Requested: 12:08:14  
 First Dose M/F: 06/20/05 / 06/20/05  
 Lab: BNW

**STATISTICAL ANALYSIS OF PRIMARY TUMORS IN MICE(B6C3F1)  
 TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Males			
	Control	6.25 ppm	12.5 ppm	25 ppm
<b>All Organs</b>				
<b>Hemangioma</b>				
<b>TUMOR RATES</b>	#	#	#	#
OVERALL (a)	1/50 (2%)	1/50 (2%)	3/50 (6%)	1/50 (2%)
POLY-3 RATE (b)	1/42.11	1/47.23	3/41.51	1/36.47
POLY-3 PERCENT (g)	2.4%	2.1%	7.2%	2.7%
TERMINAL (d)	1/29 (3%)	1/40 (3%)	2/32 (6%)	1/19 (5%)
FIRST INCIDENCE	729 (T)	729 (T)	726	729 (T)
HC TUMORS SAME ROUTE	2/250 (1%)			
HC TUMORS ALL ROUTES	12/900 (1%)			
<b>STATISTICAL TESTS</b>				
POLY 3	P=0.452	P=0.734N	P=0.300	P=0.728
POLY 1.5	P=0.499	P=0.745N	P=0.301	P=0.743
POLY 6	P=0.387	P=0.720N	P=0.301	P=0.704
COCH-ARM / FISHERS	P=0.556	P=0.753N	P=0.309	P=0.753N
MAX-ISO-POLY-3	P=0.431	P=0.468N	P=0.151	P=0.461
HISTCONT SAME RTE	P=0.100	P=1.000	P=0.022*	P=0.417
HISTCONT ALL RTES	P=0.062	P=1.000	P=0.004**	P=1.000
CURR VS HC SAME RTE	P=0.322			
CURR VS HC ALL RTES	P=0.680			

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

**P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS**

Vinylidene chloride  
 CAS Number: 75-35-4

Date Report Requested: 08/26/2013  
 Time Report Requested: 12:08:14  
 First Dose M/F: 06/20/05 / 06/20/05  
 Lab: BNW

**STATISTICAL ANALYSIS OF PRIMARY TUMORS IN MICE(B6C3F1)  
 TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Males			
	Control	6.25 ppm	12.5 ppm	25 ppm
<b>All Organs</b>				
<b>Hemangiosarcoma</b>				
<b>TUMOR RATES</b>	#	#	#	#
OVERALL (a)	2/50 (4%)	5/50 (10%)	5/50 (10%)	6/50 (12%)
POLY-3 RATE (b)	2/42.94	5/47.23	5/41.80	6/38.49
POLY-3 PERCENT (g)	4.7%	10.6%	12%	15.6%
TERMINAL (d)	0/29 (0%)	5/40 (13%)	4/32 (13%)	2/19 (11%)
FIRST INCIDENCE	596	729 (T)	648	470
HC TUMORS SAME ROUTE	21/250 (8%)			
HC TUMORS ALL ROUTES	90/900 (10%)			
<b>STATISTICAL TESTS</b>				
POLY 3	P=0.088	P=0.257	P=0.204	P=0.098
POLY 1.5	P=0.109	P=0.240	P=0.208	P=0.114
POLY 6	P=0.064	P=0.277	P=0.202	P=0.078
COCH-ARM / FISHERS	P=0.139	P=0.218	P=0.218	P=0.134
MAX-ISO-POLY-3	P=0.107	P=0.159	P=0.113	P=0.056
HISTCONT SAME RTE	P=0.204	P=0.488	P=0.393	P=0.199
HISTCONT ALL RTES	P=0.402	P=1.000	P=1.000	P=0.253
CURR VS HC SAME RTE	P=0.369			
CURR VS HC ALL RTES	P=0.175			

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

**P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS**

Vinylidene chloride  
 CAS Number: 75-35-4

Date Report Requested: 08/26/2013  
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 First Dose M/F: 06/20/05 / 06/20/05  
 Lab: BNW

**STATISTICAL ANALYSIS OF PRIMARY TUMORS IN MICE(B6C3F1)  
 TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Males			
	Control	6.25 ppm	12.5 ppm	25 ppm
<b>All Organs</b>				
<b>Hemangiosarcoma or Hemangioma</b>				
<b>TUMOR RATES</b>	#	#	#	#
OVERALL (a)	3/50 (6%)	6/50 (12%)	8/50 (16%)	6/50 (12%)
POLY-3 RATE (b)	3/42.94	6/47.23	8/41.81	6/38.49
POLY-3 PERCENT (g)	7%	12.7%	19.1%	15.6%
TERMINAL (d)	1/29 (3%)	6/40 (15%)	6/32 (19%)	2/19 (11%)
FIRST INCIDENCE	596	729 (T)	648	470
HC TUMORS SAME ROUTE	23/250 (9%)			
HC TUMORS ALL ROUTES	102/900 (11%)			
<b>STATISTICAL TESTS</b>				
POLY 3	P=0.148	P=0.291	P=0.088	P=0.188
POLY 1.5	P=0.185	P=0.271	P=0.092	P=0.213
POLY 6	P=0.103	P=0.315	P=0.086	P=0.155
COCH-ARM / FISHERS	P=0.238	P=0.243	P=0.100	P=0.243
MAX-ISO-POLY-3	P=0.159	P=0.195	P=0.048*	P=0.120
HISTCONT SAME RTE	P=0.120	P=0.372	P=0.082	P=0.221
HISTCONT ALL RTES	P=0.237	P=1.000	P=0.093	P=0.372
CURR VS HC SAME RTE	P=0.555			
CURR VS HC ALL RTES	P=0.258			

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

**P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS**

Vinylidene chloride  
 CAS Number: 75-35-4

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 Lab: BNW

**STATISTICAL ANALYSIS OF PRIMARY TUMORS IN MICE(B6C3F1)  
 TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Males			
	Control	6.25 ppm	12.5 ppm	25 ppm
<b>All Organs</b>				
<b>Histiocytic Sarcoma</b>				
<b>TUMOR RATES</b>	#	#	#	#
OVERALL (a)	2/50 (4%)	1/50 (2%)	1/50 (2%)	1/50 (2%)
POLY-3 RATE (b)	2/42.11	1/47.23	1/41.80	1/36.96
POLY-3 PERCENT (g)	4.8%	2.1%	2.4%	2.7%
TERMINAL (d)	2/29 (7%)	1/40 (3%)	0/32 (0%)	0/19 (0%)
FIRST INCIDENCE	729 (T)	729 (T)	648	584
HC TUMORS SAME ROUTE	3/250 (1%)			
HC TUMORS ALL ROUTES	9/900 (1%)			
<b>STATISTICAL TESTS</b>				
POLY 3	P=0.451N	P=0.460N	P=0.503N	P=0.545N
POLY 1.5	P=0.434N	P=0.477N	P=0.503N	P=0.525N
POLY 6	P=0.469N	P=0.440N	P=0.499N	P=0.576N
COCH-ARM / FISHERS	P=0.409N	P=0.500N	P=0.500N	P=0.500N
MAX-ISO-POLY-3	P=0.463N	P=0.259N	P=0.283N	P=0.329N
HISTCONT SAME RTE	P=0.282	P=1.000	P=1.000	P=1.000
HISTCONT ALL RTES	P=0.180	P=1.000	P=1.000	P=0.455
CURR VS HC SAME RTE	P=0.083			
CURR VS HC ALL RTES	P=0.048*			

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

P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS  
 Vinylidene chloride  
 CAS Number: 75-35-4

Date Report Requested: 08/26/2013  
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 First Dose M/F: 06/20/05 / 06/20/05  
 Lab: BNW

**STATISTICAL ANALYSIS OF PRIMARY TUMORS IN MICE(B6C3F1)  
 TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Males			
	Control	6.25 ppm	12.5 ppm	25 ppm
<b>All Organs</b>				
<b>Malignant Lymphoma: Histiocytic, Lymphocytic, Mixed, NOS, or Undifferentiated Cell Type</b>				
<b>TUMOR RATES</b>	#	#	#	#
OVERALL (a)	2/50 (4%)	2/50 (4%)	4/50 (8%)	0/50 (0%)
POLY-3 RATE (b)	2/42.37	2/47.60	4/41.50	0/36.47
POLY-3 PERCENT (g)	4.7%	4.2%	9.6%	0%
TERMINAL (d)	1/29 (3%)	0/40 (0%)	4/32 (13%)	0/19 (0%)
FIRST INCIDENCE	661	639	729 (T)	---
HC TUMORS SAME ROUTE	13/250 (5%)			
HC TUMORS ALL ROUTES	46/900 (5%)			
<b>STATISTICAL TESTS</b>				
POLY 3	P=0.321N	P=0.651N	P=0.327	P=0.272N
POLY 1.5	P=0.279N	P=0.669N	P=0.330	P=0.255N
POLY 6	P=0.384N	P=0.629N	P=0.326	P=0.298N
COCH-ARM / FISHERS	P=0.232N	P=0.691N	P=0.339	P=0.247N
MAX-ISO-POLY-3	P=0.204N	P=0.454N	P=0.195	P=0.108N
HISTCONT SAME RTE	P=1.000	P=1.000	P=0.104	P=1.000
HISTCONT ALL RTES	P=1.000	P=1.000	P=0.140	P=1.000
CURR VS HC SAME RTE	P=0.802			
CURR VS HC ALL RTES	P=0.759			

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

P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS  
 Vinylidene chloride  
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 Lab: BNW

**STATISTICAL ANALYSIS OF PRIMARY TUMORS IN MICE(B6C3F1)  
 TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Males			
	Control	6.25 ppm	12.5 ppm	25 ppm
<b>All Organs</b>				
<b>Benign Tumors</b>				
<b>TUMOR RATES</b>	#	#	#	#
OVERALL (a)	43/50 (86%)	41/50 (82%)	43/50 (86%)	35/50 (70%)
POLY-3 RATE (b)	43/47.67	41/48.56	43/47.87	35/42.98
POLY-3 PERCENT (g)	90.2%	84.4%	89.8%	81.4%
TERMINAL (d)	27/29 (93%)	36/40 (90%)	29/32 (91%)	18/19 (95%)
FIRST INCIDENCE	443	619	404	471
HC TUMORS SAME ROUTE	185/250 (74%)			
HC TUMORS ALL ROUTES	672/900 (75%)			
<b>STATISTICAL TESTS</b>				
POLY 3	P=0.176N	P=0.280N	P=0.621N	P=0.144N
POLY 1.5	P=0.083N	P=0.327N	P=0.622N	P=0.081N
POLY 6	P=0.388N	P=0.229N	P=0.601N	P=0.322N
COCH-ARM / FISHERS	P=0.029N*	P=0.393N	P=0.613N	P=0.045N*
MAX-ISO-POLY-3	P=0.159N	P=0.183N	P=0.472N	P=0.088N
HISTCONT SAME RTE	P=0.123	P=0.115	P=0.034*	P=0.259
HISTCONT ALL RTES	P=0.168	P=0.200	P=0.027*	P=0.451
CURR VS HC SAME RTE	P=0.033*			
CURR VS HC ALL RTES	P=0.054			

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

P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS  
 Vinylidene chloride  
 CAS Number: 75-35-4

Date Report Requested: 08/26/2013  
 Time Report Requested: 12:08:14  
 First Dose M/F: 06/20/05 / 06/20/05  
 Lab: BNW

**STATISTICAL ANALYSIS OF PRIMARY TUMORS IN MICE(B6C3F1)  
 TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Males			
	Control	6.25 ppm	12.5 ppm	25 ppm
<b>All Organs</b>				
<b>Malignant Tumors</b>				
<b>TUMOR RATES</b>	#	#	#	#
OVERALL (a)	37/50 (74%)	38/50 (76%)	42/50 (84%)	43/50 (86%)
POLY-3 RATE (b)	37/48.31	38/50.00	42/47.19	43/47.76
POLY-3 PERCENT (g)	76.6%	76%	89%	90%
TERMINAL (d)	19/29 (66%)	28/40 (70%)	28/32 (88%)	17/19 (90%)
FIRST INCIDENCE	443	521	429	425
HC TUMORS SAME ROUTE	154/250 (62%)			
HC TUMORS ALL ROUTES	556/900 (62%)			
<b>STATISTICAL TESTS</b>				
POLY 3	P=0.020*	P=0.567N	P=0.082	P=0.058
POLY 1.5	P=0.032*	P=0.573	P=0.103	P=0.075
POLY 6	P=0.011*	P=0.515N	P=0.074	P=0.041*
COCH-ARM / FISHERS	P=0.060	P=0.500	P=0.163	P=0.105
MAX-ISO-POLY-3	P=0.030*	P=0.471N	P=0.049*	P=0.032*
HISTCONT SAME RTE	P=0.008**	P=0.081	P=0.015*	P=0.013*
HISTCONT ALL RTES	P<0.001**	P=0.058	P<0.001**	P<0.001**
CURR VS HC SAME RTE	P=0.090			
CURR VS HC ALL RTES	P=0.080			



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

**P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS**

Vinylidene chloride  
 CAS Number: 75-35-4

Date Report Requested: 08/26/2013  
 Time Report Requested: 12:08:14  
 First Dose M/F: 06/20/05 / 06/20/05  
 Lab: BNW

**STATISTICAL ANALYSIS OF PRIMARY TUMORS IN MICE(B6C3F1)  
 TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Males			
	Control	6.25 ppm	12.5 ppm	25 ppm
<b>All Organs</b>				
<b>Malignant and Benign Tumors</b>				
<b>TUMOR RATES</b>	#	#	#	#
OVERALL (a)	49/50 (98%)	49/50 (98%)	49/50 (98%)	48/50 (96%)
POLY-3 RATE (b)	49/49.33	49/50.00	49/49.48	48/48.88
POLY-3 PERCENT (g)	99.3%	98%	99%	98.2%
TERMINAL (d)	29/29 (100%)	39/40 (98%)	32/32 (100%)	19/19 (100%)
FIRST INCIDENCE	443	521	404	425
HC TUMORS SAME ROUTE	233/250 (93%)			
HC TUMORS ALL ROUTES	842/900 (94%)			
<b>STATISTICAL TESTS</b>				
POLY 3	P=0.541N	P=0.624N	P=0.927N	P=0.732N
POLY 1.5	P=0.432N	P=0.691N	P=0.835N	P=0.587N
POLY 6	P=0.729N	P=0.546N	P=1.000N	P=0.988N
COCH-ARM / FISHERS	P=0.351N	P=0.753N	P=0.753N	P=0.500N
MAX-ISO-POLY-3	P=0.443N	P=0.265N	P=0.395N	P=0.218N
HISTCONT SAME RTE	P=0.040*	P=0.091	P=0.054	P=0.083
HISTCONT ALL RTES	P=0.051	P=0.175	P=0.086	P=0.162
CURR VS HC SAME RTE	P=0.081			
CURR VS HC ALL RTES	P=0.142			

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

P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS  
 Vinylidene chloride  
 CAS Number: 75-35-4

Date Report Requested: 08/26/2013  
 Time Report Requested: 12:08:14  
 First Dose M/F: 06/20/05 / 06/20/05  
 Lab: BNW

**STATISTICAL ANALYSIS OF PRIMARY TUMORS IN MICE(B6C3F1)  
 TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Females			
	Control	6.25 ppm	12.5 ppm	25 ppm
<b>Adrenal Cortex</b>				
<b>Adenoma</b>				
<b>TUMOR RATES</b>				
OVERALL (a)	1/50 (2%)	0/49 (0%)	0/50 (0%)	0/49 (0%)
POLY-3 RATE (b)	1/43.32	0/38.61	0/42.78	0/37.17
POLY-3 PERCENT (g)	2.3%	0%	0%	0%
TERMINAL (d)	1/36 (3%)	0/25 (0%)	0/30 (0%)	0/24 (0%)
FIRST INCIDENCE	731 (T)	---	---	---
HC TUMORS SAME ROUTE	1/249 (0%)			
HC TUMORS ALL ROUTES	5/895 (1%)			
<b>STATISTICAL TESTS</b>				
POLY 3	(n)	(n)	(n)	(n)
POLY 1.5	(n)	(n)	(n)	(n)
POLY 6	(n)	(n)	(n)	(n)
COCH-ARM / FISHERS	(n)	(n)	(n)	(n)
MAX-ISO-POLY-3	(n)	(n)	(n)	(n)
HISTCONT SAME RTE	(n)	(n)	(n)	(n)
HISTCONT ALL RTES	(n)	(n)	(n)	(n)
CURR VS HC SAME RTE	(n)			
CURR VS HC ALL RTES	(n)			

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

**P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS**

Vinylidene chloride  
 CAS Number: 75-35-4

Date Report Requested: 08/26/2013  
 Time Report Requested: 12:08:14  
 First Dose M/F: 06/20/05 / 06/20/05  
 Lab: BNW

**STATISTICAL ANALYSIS OF PRIMARY TUMORS IN MICE(B6C3F1)  
 TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Females			
	Control	6.25 ppm	12.5 ppm	25 ppm
<b>Adrenal Medulla</b>				
<b>Pheochromocytoma: Benign, Complex, Malignant, NOS</b>				
<b>TUMOR RATES</b>				
OVERALL (a)	2/50 (4%)	1/48 (2%)	0/50 (0%)	0/49 (0%)
POLY-3 RATE (b)	2/43.32	1/37.61	0/42.78	0/37.17
POLY-3 PERCENT (g)	4.6%	2.7%	0%	0%
TERMINAL (d)	2/36 (6%)	1/24 (4%)	0/30 (0%)	0/24 (0%)
FIRST INCIDENCE	731 (T)	731 (T)	---	---
HC TUMORS SAME ROUTE	6/249 (2%)			
HC TUMORS ALL ROUTES	16/896 (2%)			
<b>STATISTICAL TESTS</b>				
POLY 3	P=0.101N	P=0.549N	P=0.240N	P=0.272N
POLY 1.5	P=0.101N	P=0.532N	P=0.237N	P=0.259N
POLY 6	P=0.101N	P=0.576N	P=0.246N	P=0.290N
COCH-ARM / FISHERS	P=0.101N	P=0.515N	P=0.247N	P=0.253N
MAX-ISO-POLY-3	P=0.123N	P=0.331N	P=0.078N	P=0.108N
HISTCONT SAME RTE	(h)	(h)	(h)	(h)
HISTCONT ALL RTES	P=1.000	P=1.000	P=1.000	P=1.000
CURR VS HC SAME RTE	P=0.584			
CURR VS HC ALL RTES	P=0.259			

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

P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS  
 Vinylidene chloride  
 CAS Number: 75-35-4

Date Report Requested: 08/26/2013  
 Time Report Requested: 12:08:14  
 First Dose M/F: 06/20/05 / 06/20/05  
 Lab: BNW

**STATISTICAL ANALYSIS OF PRIMARY TUMORS IN MICE(B6C3F1)  
 TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Females			
	Control	6.25 ppm	12.5 ppm	25 ppm
<b>Bone Marrow Hemangiosarcoma</b>				
<b>TUMOR RATES</b>				
OVERALL (a)	0/50 (0%)	0/49 (0%)	0/50 (0%)	0/50 (0%)
POLY-3 RATE (b)	0/43.32	0/39.12	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	---	---	---	---
HC TUMORS SAME ROUTE	2/250 (1%)			
HC TUMORS ALL ROUTES	9/899 (1%)			
<b>STATISTICAL TESTS</b>				
POLY 3	(n)	(n)	(n)	(n)
POLY 1.5	(n)	(n)	(n)	(n)
POLY 6	(n)	(n)	(n)	(n)
COCH-ARM / FISHERS	(n)	(n)	(n)	(n)
MAX-ISO-POLY-3	(n)	(n)	(n)	(n)
HISTCONT SAME RTE	(n)	(n)	(n)	(n)
HISTCONT ALL RTES	(n)	(n)	(n)	(n)
CURR VS HC SAME RTE	(n)			
CURR VS HC ALL RTES	(n)			

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

P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS  
 Vinylidene chloride  
 CAS Number: 75-35-4

Date Report Requested: 08/26/2013  
 Time Report Requested: 12:08:14  
 First Dose M/F: 06/20/05 / 06/20/05  
 Lab: BNW

**STATISTICAL ANALYSIS OF PRIMARY TUMORS IN MICE(B6C3F1)  
 TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Females			
	Control	6.25 ppm	12.5 ppm	25 ppm
<b>Harderian Gland Adenoma</b>				
<b>TUMOR RATES</b>	#	#	#	#
OVERALL (a)	1/50 (2%)	5/50 (10%)	4/50 (8%)	1/50 (2%)
POLY-3 RATE (b)	1/43.32	5/39.61	4/42.78	1/38.11
POLY-3 PERCENT (g)	2.3%	12.6%	9.4%	2.6%
TERMINAL (d)	1/36 (3%)	4/25 (16%)	4/30 (13%)	1/24 (4%)
FIRST INCIDENCE	731 (T)	705	731 (T)	731 (T)
HC TUMORS SAME ROUTE	12/250 (5%)			
HC TUMORS ALL ROUTES	59/900 (7%)			
<b>STATISTICAL TESTS</b>				
POLY 3	P=0.480N	P=0.081	P=0.174	P=0.732
POLY 1.5	P=0.444N	P=0.091	P=0.178	P=0.744
POLY 6	P=0.527N	P=0.067	P=0.164	P=0.715
COCH-ARM / FISHERS	P=0.397N	P=0.102	P=0.181	P=0.753N
MAX-ISO-POLY-3	P=0.250	P=0.040*	P=0.082	P=0.465
HISTCONT SAME RTE	P=0.430	P=0.030*	P=0.113	P=1.000
HISTCONT ALL RTES	P=0.688	P=0.114	P=0.396	P=1.000
CURR VS HC SAME RTE	P=0.354			
CURR VS HC ALL RTES	P=0.218			

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

**P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS**

Vinylidene chloride  
 CAS Number: 75-35-4

Date Report Requested: 08/26/2013  
 Time Report Requested: 12:08:14  
 First Dose M/F: 06/20/05 / 06/20/05  
 Lab: BNW

**STATISTICAL ANALYSIS OF PRIMARY TUMORS IN MICE(B6C3F1)  
 TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Females			
	Control	6.25 ppm	12.5 ppm	25 ppm
<b>Harderian Gland Carcinoma</b>				
<b>TUMOR RATES</b>	#	#	#	#
OVERALL (a)	3/50 (6%)	2/50 (4%)	2/50 (4%)	2/50 (4%)
POLY-3 RATE (b)	3/43.32	2/40.42	2/43.23	2/39.54
POLY-3 PERCENT (g)	6.9%	5%	4.6%	5.1%
TERMINAL (d)	3/36 (8%)	0/25 (0%)	1/30 (3%)	0/24 (0%)
FIRST INCIDENCE	731 (T)	590	599	443
HC TUMORS SAME ROUTE	5/250 (2%)			
HC TUMORS ALL ROUTES	16/900 (2%)			
<b>STATISTICAL TESTS</b>				
POLY 3	P=0.453N	P=0.532N	P=0.501N	P=0.542N
POLY 1.5	P=0.444N	P=0.515N	P=0.498N	P=0.524N
POLY 6	P=0.464N	P=0.558N	P=0.511N	P=0.565N
COCH-ARM / FISHERS	P=0.431N	P=0.500N	P=0.500N	P=0.500N
MAX-ISO-POLY-3	P=0.546N	P=0.356N	P=0.324N	P=0.366N
HISTCONT SAME RTE	P=0.150	P=0.281	P=0.310	P=0.273
HISTCONT ALL RTES	P=0.039*	P=0.167	P=0.187	P=0.161
CURR VS HC SAME RTE	P=0.079			
CURR VS HC ALL RTES	P=0.035*			

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

**P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS**

Vinylidene chloride  
 CAS Number: 75-35-4

Date Report Requested: 08/26/2013  
 Time Report Requested: 12:08:14  
 First Dose M/F: 06/20/05 / 06/20/05  
 Lab: BNW

**STATISTICAL ANALYSIS OF PRIMARY TUMORS IN MICE(B6C3F1)  
 TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Females			
	Control	6.25 ppm	12.5 ppm	25 ppm
<b>Harderian Gland Carcinoma or Adenoma</b>				
<b>TUMOR RATES</b>	#	#	#	#
OVERALL (a)	4/50 (8%)	7/50 (14%)	6/50 (12%)	3/50 (6%)
POLY-3 RATE (b)	4/43.32	7/40.52	6/43.23	3/39.54
POLY-3 PERCENT (g)	9.2%	17.3%	13.9%	7.6%
TERMINAL (d)	4/36 (11%)	4/25 (16%)	5/30 (17%)	1/24 (4%)
FIRST INCIDENCE	731 (T)	590	599	443
HC TUMORS SAME ROUTE	17/250 (7%)			
HC TUMORS ALL ROUTES	75/900 (8%)			
<b>STATISTICAL TESTS</b>				
POLY 3	P=0.374N	P=0.221	P=0.367	P=0.550N
POLY 1.5	P=0.349N	P=0.242	P=0.372	P=0.528N
POLY 6	P=0.409N	P=0.192	P=0.352	P=0.578N
COCH-ARM / FISHERS	P=0.316N	P=0.262	P=0.370	P=0.500N
MAX-ISO-POLY-3	P=0.356N	P=0.145	P=0.251	P=0.397N
HISTCONT SAME RTE	P=0.300	P=0.031*	P=0.080	P=1.000
HISTCONT ALL RTES	P=0.394	P=0.025*	P=0.135	P=1.000
CURR VS HC SAME RTE	P=0.751			
CURR VS HC ALL RTES	P=0.988			

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

P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS  
 Vinylidene chloride  
 CAS Number: 75-35-4

Date Report Requested: 08/26/2013  
 Time Report Requested: 12:08:14  
 First Dose M/F: 06/20/05 / 06/20/05  
 Lab: BNW

**STATISTICAL ANALYSIS OF PRIMARY TUMORS IN MICE(B6C3F1)  
 TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Females			
	Control	6.25 ppm	12.5 ppm	25 ppm
<b>Intestine Small: Duodenum Carcinoma</b>				
<b>TUMOR RATES</b>	#	#	#	#
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	---	---	---	---
HC TUMORS SAME ROUTE	0/250 (0%)			
HC TUMORS ALL ROUTES	2/900 (0%)			
<b>STATISTICAL TESTS</b>				
POLY 3	(n)	(n)	(n)	(n)
POLY 1.5	(n)	(n)	(n)	(n)
POLY 6	(n)	(n)	(n)	(n)
COCH-ARM / FISHERS	(n)	(n)	(n)	(n)
MAX-ISO-POLY-3	(n)	(n)	(n)	(n)
HISTCONT SAME RTE	(n)	(n)	(n)	(n)
HISTCONT ALL RTES	(n)	(n)	(n)	(n)
CURR VS HC SAME RTE	(n)			
CURR VS HC ALL RTES	(n)			



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

**P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS**

Vinylidene chloride  
 CAS Number: 75-35-4

Date Report Requested: 08/26/2013  
 Time Report Requested: 12:08:14  
 First Dose M/F: 06/20/05 / 06/20/05  
 Lab: BNW

**STATISTICAL ANALYSIS OF PRIMARY TUMORS IN MICE(B6C3F1)  
 TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Females			
	Control	6.25 ppm	12.5 ppm	25 ppm
<b>Intestine Small: Ileum Carcinoma</b>				
<b>TUMOR RATES</b>	#	#	#	#
OVERALL (a)	1/50 (2%)	1/50 (2%)	1/50 (2%)	3/50 (6%)
POLY-3 RATE (b)	1/43.77	1/39.99	1/43.39	3/38.43
POLY-3 PERCENT (g)	2.3%	2.5%	2.3%	7.8%
TERMINAL (d)	0/36 (0%)	0/25 (0%)	0/30 (0%)	2/24 (8%)
FIRST INCIDENCE	599	584	536	640
HC TUMORS SAME ROUTE	1/250 (0%)			
HC TUMORS ALL ROUTES	1/900 (0%)			
<b>STATISTICAL TESTS</b>				
POLY 3	P=0.144	P=0.740	P=0.759	P=0.260
POLY 1.5	P=0.152	P=0.751	P=0.760N	P=0.279
POLY 6	P=0.135	P=0.723	P=0.752	P=0.238
COCH-ARM / FISHERS	P=0.163	P=0.753N	P=0.753N	P=0.309
MAX-ISO-POLY-3	P=0.169	P=0.474	P=0.497	P=0.138
HISTCONT SAME RTE	P=0.008**	P=0.304	P=0.321	P=0.018*
HISTCONT ALL RTES	P<0.001**	P=0.039*	P=0.039*	P<0.001**
CURR VS HC SAME RTE	P=0.119			
CURR VS HC ALL RTES	P=0.004**			

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

P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS  
 Vinylidene chloride  
 CAS Number: 75-35-4

Date Report Requested: 08/26/2013  
 Time Report Requested: 12:08:14  
 First Dose M/F: 06/20/05 / 06/20/05  
 Lab: BNW

**STATISTICAL ANALYSIS OF PRIMARY TUMORS IN MICE(B6C3F1)  
 TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Females			
	Control	6.25 ppm	12.5 ppm	25 ppm
<b>Intestine Small: Jejunum Carcinoma</b>				
<b>TUMOR RATES</b>	#	#	#	#
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	---	---	---	---
HC TUMORS SAME ROUTE	0/250 (0%)			
HC TUMORS ALL ROUTES	1/900 (0%)			
<b>STATISTICAL TESTS</b>				
POLY 3	(n)	(n)	(n)	(n)
POLY 1.5	(n)	(n)	(n)	(n)
POLY 6	(n)	(n)	(n)	(n)
COCH-ARM / FISHERS	(n)	(n)	(n)	(n)
MAX-ISO-POLY-3	(n)	(n)	(n)	(n)
HISTCONT SAME RTE	(n)	(n)	(n)	(n)
HISTCONT ALL RTES	(n)	(n)	(n)	(n)
CURR VS HC SAME RTE	(n)			
CURR VS HC ALL RTES	(n)			

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

**P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS**

Vinylidene chloride  
 CAS Number: 75-35-4

Date Report Requested: 08/26/2013  
 Time Report Requested: 12:08:14  
 First Dose M/F: 06/20/05 / 06/20/05  
 Lab: BNW

**STATISTICAL ANALYSIS OF PRIMARY TUMORS IN MICE(B6C3F1)  
 TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Females			
	Control	6.25 ppm	12.5 ppm	25 ppm
<b>Intestine Small: Site Unspecified Carcinoma</b>				
<b>TUMOR RATES</b>	#	#	#	#
OVERALL (a)	1/50 (2%)	1/50 (2%)	1/50 (2%)	3/50 (6%)
POLY-3 RATE (b)	1/43.77	1/39.99	1/43.39	3/38.43
POLY-3 PERCENT (g)	2.3%	2.5%	2.3%	7.8%
TERMINAL (d)	0/36 (0%)	0/25 (0%)	0/30 (0%)	2/24 (8%)
FIRST INCIDENCE	599	584	536	640
HC TUMORS SAME ROUTE	1/250 (0%)			
HC TUMORS ALL ROUTES	4/900 (0%)			
<b>STATISTICAL TESTS</b>				
POLY 3	P=0.144	P=0.740	P=0.759	P=0.260
POLY 1.5	P=0.152	P=0.751	P=0.760N	P=0.279
POLY 6	P=0.135	P=0.723	P=0.752	P=0.238
COCH-ARM / FISHERS	P=0.163	P=0.753N	P=0.753N	P=0.309
MAX-ISO-POLY-3	P=0.169	P=0.474	P=0.497	P=0.138
HISTCONT SAME RTE	P=0.008**	P=0.304	P=0.321	P=0.018*
HISTCONT ALL RTES	P<0.001**	P=0.208	P=0.223	P<0.001**
CURR VS HC SAME RTE	P=0.119			
CURR VS HC ALL RTES	P=0.136			

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

**P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS**

Vinylidene chloride  
 CAS Number: 75-35-4

Date Report Requested: 08/26/2013  
 Time Report Requested: 12:08:14  
 First Dose M/F: 06/20/05 / 06/20/05  
 Lab: BNW

**STATISTICAL ANALYSIS OF PRIMARY TUMORS IN MICE(B6C3F1)  
 TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Females			
	Control	6.25 ppm	12.5 ppm	25 ppm
<b>Intestine Small: Site Unspecified Carcinoma or Adenoma</b>				
<b>TUMOR RATES</b>	#	#	#	#
OVERALL (a)	2/50 (4%)	1/50 (2%)	2/50 (4%)	4/50 (8%)
POLY-3 RATE (b)	2/43.77	1/39.99	2/43.39	4/38.43
POLY-3 PERCENT (g)	4.6%	2.5%	4.6%	10.4%
TERMINAL (d)	1/36 (3%)	0/25 (0%)	1/30 (3%)	3/24 (13%)
FIRST INCIDENCE	599	584	536	640
HC TUMORS SAME ROUTE	2/250 (1%)			
HC TUMORS ALL ROUTES	8/900 (1%)			
<b>STATISTICAL TESTS</b>				
POLY 3	P=0.141	P=0.531N	P=0.691	P=0.279
POLY 1.5	P=0.150	P=0.516N	P=0.693N	P=0.303
POLY 6	P=0.132	P=0.556N	P=0.681	P=0.251
COCH-ARM / FISHERS	P=0.164	P=0.500N	P=0.691N	P=0.339
MAX-ISO-POLY-3	P=0.161	P=0.314N	P=0.496	P=0.172
HISTCONT SAME RTE	P=0.005**	P=0.461	P=0.073	P=0.012*
HISTCONT ALL RTES	P<0.001**	P=0.433	P=0.023*	P<0.001**
CURR VS HC SAME RTE	P=0.057			
CURR VS HC ALL RTES	P=0.034*			

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

**P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS**

Vinylidene chloride  
 CAS Number: 75-35-4

Date Report Requested: 08/26/2013  
 Time Report Requested: 12:08:14  
 First Dose M/F: 06/20/05 / 06/20/05  
 Lab: BNW

**STATISTICAL ANALYSIS OF PRIMARY TUMORS IN MICE(B6C3F1)  
 TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Females			
	Control	6.25 ppm	12.5 ppm	25 ppm
<b>Islets, Pancreatic Adenoma</b>				
<b>TUMOR RATES</b>				
OVERALL (a)	1/50 (2%)	1/49 (2%)	2/50 (4%)	0/50 (0%)
POLY-3 RATE (b)	1/43.98	1/39.58	2/43.03	0/38.11
POLY-3 PERCENT (g)	2.3%	2.5%	4.7%	0%
TERMINAL (d)	0/36 (0%)	0/25 (0%)	1/30 (3%)	0/24 (0%)
FIRST INCIDENCE	509	596	665	---
HC TUMORS SAME ROUTE	1/250 (0%)			
HC TUMORS ALL ROUTES	8/894 (1%)			
<b>STATISTICAL TESTS</b>				
POLY 3	P=0.409N	P=0.737	P=0.492	P=0.528N
POLY 1.5	P=0.391N	P=0.747	P=0.497	P=0.516N
POLY 6	P=0.431N	P=0.721	P=0.481	P=0.543N
COCH-ARM / FISHERS	P=0.365N	P=0.747	P=0.500	P=0.500N
MAX-ISO-POLY-3	P=0.317N	P=0.470	P=0.276	P=0.193N
HISTCONT SAME RTE	P=0.316	P=0.299	P=0.044*	P=1.000
HISTCONT ALL RTES	P=0.377	P=0.430	P=0.023*	P=1.000
CURR VS HC SAME RTE	P=0.122			
CURR VS HC ALL RTES	P=0.433			

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

**P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS**

Vinylidene chloride  
 CAS Number: 75-35-4

Date Report Requested: 08/26/2013  
 Time Report Requested: 12:08:14  
 First Dose M/F: 06/20/05 / 06/20/05  
 Lab: BNW

**STATISTICAL ANALYSIS OF PRIMARY TUMORS IN MICE(B6C3F1)  
 TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Females			
	Control	6.25 ppm	12.5 ppm	25 ppm
<b>Kidney: Renal Tubule Adenoma</b>				
<b>TUMOR RATES</b>				
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	1/38.11
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)
HC TUMORS SAME ROUTE	0/250 (0%)			
HC TUMORS ALL ROUTES	0/897 (0%)			
<b>STATISTICAL TESTS</b>				
POLY 3	(n)	(n)	(n)	(n)
POLY 1.5	(n)	(n)	(n)	(n)
POLY 6	(n)	(n)	(n)	(n)
COCH-ARM / FISHERS	(n)	(n)	(n)	(n)
MAX-ISO-POLY-3	(n)	(n)	(n)	(n)
HISTCONT SAME RTE	(n)	(n)	(n)	(n)
HISTCONT ALL RTES	(n)	(n)	(n)	(n)
CURR VS HC SAME RTE	(n)			
CURR VS HC ALL RTES	(n)			

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

P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS  
 Vinylidene chloride  
 CAS Number: 75-35-4

Date Report Requested: 08/26/2013  
 Time Report Requested: 12:08:14  
 First Dose M/F: 06/20/05 / 06/20/05  
 Lab: BNW

**STATISTICAL ANALYSIS OF PRIMARY TUMORS IN MICE(B6C3F1)  
 TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Females			
	Control	6.25 ppm	12.5 ppm	25 ppm
<b>Kidney: Renal Tubule Carcinoma</b>				
<b>TUMOR RATES</b>				
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	---	---	---	---
HC TUMORS SAME ROUTE	0/250 (0%)			
HC TUMORS ALL ROUTES	0/897 (0%)			
<b>STATISTICAL TESTS</b>				
POLY 3	(n)	(n)	(n)	(n)
POLY 1.5	(n)	(n)	(n)	(n)
POLY 6	(n)	(n)	(n)	(n)
COCH-ARM / FISHERS	(n)	(n)	(n)	(n)
MAX-ISO-POLY-3	(n)	(n)	(n)	(n)
HISTCONT SAME RTE	(n)	(n)	(n)	(n)
HISTCONT ALL RTEs	(n)	(n)	(n)	(n)
CURR VS HC SAME RTE	(n)			
CURR VS HC ALL RTEs	(n)			

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

**P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS**

Vinylidene chloride  
 CAS Number: 75-35-4

Date Report Requested: 08/26/2013  
 Time Report Requested: 12:08:14  
 First Dose M/F: 06/20/05 / 06/20/05  
 Lab: BNW

**STATISTICAL ANALYSIS OF PRIMARY TUMORS IN MICE(B6C3F1)  
 TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Females			
	Control	6.25 ppm	12.5 ppm	25 ppm
<b>Kidney: Renal Tubule Carcinoma or Adenoma</b>				
<b>TUMOR RATES</b>				
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	1/38.11
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)
HC TUMORS SAME ROUTE	0/250 (0%)			
HC TUMORS ALL ROUTES	0/897 (0%)			
<b>STATISTICAL TESTS</b>				
POLY 3	(n)	(n)	(n)	(n)
POLY 1.5	(n)	(n)	(n)	(n)
POLY 6	(n)	(n)	(n)	(n)
COCH-ARM / FISHERS	(n)	(n)	(n)	(n)
MAX-ISO-POLY-3	(n)	(n)	(n)	(n)
HISTCONT SAME RTE	(n)	(n)	(n)	(n)
HISTCONT ALL RTES	(n)	(n)	(n)	(n)
CURR VS HC SAME RTE	(n)			
CURR VS HC ALL RTES	(n)			



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

**P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS**

Vinylidene chloride  
 CAS Number: 75-35-4

Date Report Requested: 08/26/2013  
 Time Report Requested: 12:08:14  
 First Dose M/F: 06/20/05 / 06/20/05  
 Lab: BNW

**STATISTICAL ANALYSIS OF PRIMARY TUMORS IN MICE(B6C3F1)  
 TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Females			
	Control	6.25 ppm	12.5 ppm	25 ppm
<b>Liver Hemangioma</b>				
<b>TUMOR RATES</b>				
OVERALL (a)	0/50 (0%)	1/50 (2%)	0/50 (0%)	2/50 (4%)
POLY-3 RATE (b)	0/43.32	1/39.50	0/42.78	2/38.11
POLY-3 PERCENT (g)	0%	2.5%	0%	5.3%
TERMINAL (d)	0/36 (0%)	1/25 (4%)	0/30 (0%)	2/24 (8%)
FIRST INCIDENCE	---	731 (T)	---	731 (T)
HC TUMORS SAME ROUTE	0/250 (0%)			
HC TUMORS ALL ROUTES	1/898 (0%)			
<b>STATISTICAL TESTS</b>				
POLY 3	P=0.124	P=0.482	(e)	P=0.209
POLY 1.5	P=0.130	P=0.491	(e)	P=0.221
POLY 6	P=0.116	P=0.467	(e)	P=0.196
COCH-ARM / FISHERS	P=0.140	P=0.500	(e)	P=0.247
MAX-ISO-POLY-3	P=0.077	P=0.158	(e)	P=0.075
HISTCONT SAME RTE	P=0.023*	P=0.128	(e)	P=0.025*
HISTCONT ALL RTEs	P<0.001**	P=0.036*	(e)	P<0.001**
CURR VS HC SAME RTE	P=1.000			
CURR VS HC ALL RTEs	P=0.549			

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

**P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS**

Vinylidene chloride  
 CAS Number: 75-35-4

Date Report Requested: 08/26/2013  
 Time Report Requested: 12:08:14  
 First Dose M/F: 06/20/05 / 06/20/05  
 Lab: BNW

**STATISTICAL ANALYSIS OF PRIMARY TUMORS IN MICE(B6C3F1)  
 TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Females			
	Control	6.25 ppm	12.5 ppm	25 ppm
<b>Liver</b>				
<b>Hemangiosarcoma</b>				
<b>TUMOR RATES</b>				
OVERALL (a)	1/50 (2%)	1/50 (2%)	1/50 (2%)	6/50 (12%)
POLY-3 RATE (b)	1/43.32	1/39.50	1/42.78	6/39.49
POLY-3 PERCENT (g)	2.3%	2.5%	2.3%	15.2%
TERMINAL (d)	1/36 (3%)	1/25 (4%)	1/30 (3%)	3/24 (13%)
FIRST INCIDENCE	731 (T)	731 (T)	731 (T)	508
HC TUMORS SAME ROUTE	5/250 (2%)			
HC TUMORS ALL ROUTES	14/898 (2%)			
<b>STATISTICAL TESTS</b>				
POLY 3	P=0.007**	P=0.740	P=0.758	P=0.041*
POLY 1.5	P=0.008**	P=0.750	P=0.760	P=0.047*
POLY 6	P=0.007**	P=0.722	P=0.752	P=0.036*
COCH-ARM / FISHERS	P=0.009**	P=0.753N	P=0.753N	P=0.056
MAX-ISO-POLY-3	P=0.009**	P=0.474	P=0.496	P=0.021*
HISTCONT SAME RTE	P=0.015*	P=1.000	P=1.000	P=0.010**
HISTCONT ALL RTES	P<0.001**	P=1.000	P=1.000	P<0.001**
CURR VS HC SAME RTE	P=0.989			
CURR VS HC ALL RTES	P=0.788			

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

P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS  
 Vinylidene chloride  
 CAS Number: 75-35-4

Date Report Requested: 08/26/2013  
 Time Report Requested: 12:08:14  
 First Dose M/F: 06/20/05 / 06/20/05  
 Lab: BNW

**STATISTICAL ANALYSIS OF PRIMARY TUMORS IN MICE(B6C3F1)  
 TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Females			
	Control	6.25 ppm	12.5 ppm	25 ppm
<b>Liver</b>				
<b>Hepatocellular Adenoma</b>				
<b>TUMOR RATES</b>				
OVERALL (a)	25/50 (50%)	21/50 (42%)	36/50 (72%)	29/50 (58%)
POLY-3 RATE (b)	25/45.19	21/42.88	36/46.41	29/42.02
POLY-3 PERCENT (g)	55.3%	49%	77.6%	69%
TERMINAL (d)	20/36 (56%)	13/25 (52%)	25/30 (83%)	19/24 (79%)
FIRST INCIDENCE	509	471	524	443
HC TUMORS SAME ROUTE	80/250 (32%)			
HC TUMORS ALL ROUTES	353/898 (39%)			
<b>STATISTICAL TESTS</b>				
POLY 3	P=0.026*	P=0.347N	P=0.015*	P=0.126
POLY 1.5	P=0.044*	P=0.304N	P=0.017*	P=0.180
POLY 6	P=0.014*	P=0.427N	P=0.012*	P=0.080
COCH-ARM / FISHERS	P=0.093	P=0.274N	P=0.020*	P=0.274
MAX-ISO-POLY-3	P=0.026*	P=0.276N	P=0.009**	P=0.092
HISTCONT SAME RTE	P=0.003**	P=0.031*	P=0.002**	P=0.004**
HISTCONT ALL RTEs	P=0.016*	P=0.373	P=0.009**	P=0.050*
CURR VS HC SAME RTE	P=0.013*			
CURR VS HC ALL RTEs	P=0.132			

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

**P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS**

Vinylidene chloride  
 CAS Number: 75-35-4

Date Report Requested: 08/26/2013  
 Time Report Requested: 12:08:14  
 First Dose M/F: 06/20/05 / 06/20/05  
 Lab: BNW

**STATISTICAL ANALYSIS OF PRIMARY TUMORS IN MICE(B6C3F1)  
 TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Females			
	Control	6.25 ppm	12.5 ppm	25 ppm
<b>Liver</b>				
<b>Hepatocellular Carcinoma</b>				
<b>TUMOR RATES</b>				
OVERALL (a)	8/50 (16%)	14/50 (28%)	12/50 (24%)	17/50 (34%)
POLY-3 RATE (b)	8/44.04	14/43.23	12/44.12	17/41.16
POLY-3 PERCENT (g)	18.2%	32.4%	27.2%	41.3%
TERMINAL (d)	6/36 (17%)	4/25 (16%)	8/30 (27%)	9/24 (38%)
FIRST INCIDENCE	611	478	611	415
HC TUMORS SAME ROUTE	36/250 (14%)			
HC TUMORS ALL ROUTES	144/898 (16%)			
<b>STATISTICAL TESTS</b>				
POLY 3	P=0.022*	P=0.097	P=0.223	P=0.015*
POLY 1.5	P=0.029*	P=0.106	P=0.229	P=0.020*
POLY 6	P=0.015*	P=0.084	P=0.207	P=0.010**
COCH-ARM / FISHERS	P=0.042*	P=0.114	P=0.227	P=0.032*
MAX-ISO-POLY-3	P=0.016*	P=0.062	P=0.155	P=0.010**
HISTCONT SAME RTE	P=0.007**	P=0.021*	P=0.053	P=0.008**
HISTCONT ALL RTES	P=0.010**	P=0.066	P=0.170	P=0.012*
CURR VS HC SAME RTE	P=0.767			
CURR VS HC ALL RTES	P=0.953			

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

**P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS**

Vinylidene chloride  
 CAS Number: 75-35-4

Date Report Requested: 08/26/2013  
 Time Report Requested: 12:08:14  
 First Dose M/F: 06/20/05 / 06/20/05  
 Lab: BNW

**STATISTICAL ANALYSIS OF PRIMARY TUMORS IN MICE(B6C3F1)  
 TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Females			
	Control	6.25 ppm	12.5 ppm	25 ppm
<b>Liver</b>				
<b>Hepatocellular Carcinoma or Hepatoblastoma</b>				
<b>TUMOR RATES</b>				
OVERALL (a)	8/50 (16%)	14/50 (28%)	12/50 (24%)	17/50 (34%)
POLY-3 RATE (b)	8/44.04	14/43.23	12/44.12	17/41.16
POLY-3 PERCENT (g)	18.2%	32.4%	27.2%	41.3%
TERMINAL (d)	6/36 (17%)	4/25 (16%)	8/30 (27%)	9/24 (38%)
FIRST INCIDENCE	611	478	611	415
HC TUMORS SAME ROUTE	36/250 (14%)			
HC TUMORS ALL ROUTES	147/898 (16%)			
<b>STATISTICAL TESTS</b>				
POLY 3	P=0.022*	P=0.097	P=0.223	P=0.015*
POLY 1.5	P=0.029*	P=0.106	P=0.229	P=0.020*
POLY 6	P=0.015*	P=0.084	P=0.207	P=0.010**
COCH-ARM / FISHERS	P=0.042*	P=0.114	P=0.227	P=0.032*
MAX-ISO-POLY-3	P=0.016*	P=0.062	P=0.155	P=0.010**
HISTCONT SAME RTE	P=0.007**	P=0.021*	P=0.053	P=0.008**
HISTCONT ALL RTES	P=0.014*	P=0.077	P=0.187	P=0.015*
CURR VS HC SAME RTE	P=0.767			
CURR VS HC ALL RTES	P=0.999			

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

P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS  
 Vinylidene chloride  
 CAS Number: 75-35-4

Date Report Requested: 08/26/2013  
 Time Report Requested: 12:08:14  
 First Dose M/F: 06/20/05 / 06/20/05  
 Lab: BNW

**STATISTICAL ANALYSIS OF PRIMARY TUMORS IN MICE(B6C3F1)  
 TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Females			
	Control	6.25 ppm	12.5 ppm	25 ppm
<b>Liver</b>				
<b>Hepatocellular Carcinoma or Hepatocellular Adenoma</b>				
<b>TUMOR RATES</b>				
OVERALL (a)	28/50 (56%)	30/50 (60%)	37/50 (74%)	38/50 (76%)
POLY-3 RATE (b)	28/45.50	30/45.90	37/46.64	38/45.05
POLY-3 PERCENT (g)	61.5%	65.4%	79.3%	84.4%
TERMINAL (d)	22/36 (61%)	14/25 (56%)	25/30 (83%)	21/24 (88%)
FIRST INCIDENCE	509	471	524	415
HC TUMORS SAME ROUTE	105/250 (42%)			
HC TUMORS ALL ROUTES	420/898 (47%)			
<b>STATISTICAL TESTS</b>				
POLY 3	P=0.003**	P=0.434	P=0.041*	P=0.009**
POLY 1.5	P=0.005**	P=0.438	P=0.044*	P=0.013*
POLY 6	P=0.002**	P=0.418	P=0.036*	P=0.006**
COCH-ARM / FISHERS	P=0.012*	P=0.420	P=0.046*	P=0.028*
MAX-ISO-POLY-3	P=0.005**	P=0.348	P=0.025*	P=0.004**
HISTCONT SAME RTE	P=0.002**	P=0.018*	P=0.004**	P=0.004**
HISTCONT ALL RTES	P=0.006**	P=0.169	P=0.026*	P=0.014*
CURR VS HC SAME RTE	P=0.068			
CURR VS HC ALL RTES	P=0.199			

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

**P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS**

Vinylidene chloride  
 CAS Number: 75-35-4

Date Report Requested: 08/26/2013  
 Time Report Requested: 12:08:14  
 First Dose M/F: 06/20/05 / 06/20/05  
 Lab: BNW

**STATISTICAL ANALYSIS OF PRIMARY TUMORS IN MICE(B6C3F1)  
 TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Females			
	Control	6.25 ppm	12.5 ppm	25 ppm
<b>Liver</b>				
<b>Hepatocellular Carcinoma, Hepatocellular Adenoma, or Hepatoblastoma</b>				
<b>TUMOR RATES</b>				
OVERALL (a)	28/50 (56%)	30/50 (60%)	37/50 (74%)	38/50 (76%)
POLY-3 RATE (b)	28/45.50	30/45.90	37/46.64	38/45.05
POLY-3 PERCENT (g)	61.5%	65.4%	79.3%	84.4%
TERMINAL (d)	22/36 (61%)	14/25 (56%)	25/30 (83%)	21/24 (88%)
FIRST INCIDENCE	509	471	524	415
HC TUMORS SAME ROUTE	105/250 (42%)			
HC TUMORS ALL ROUTES	420/898 (47%)			
<b>STATISTICAL TESTS</b>				
POLY 3	P=0.003**	P=0.434	P=0.041*	P=0.009**
POLY 1.5	P=0.005**	P=0.438	P=0.044*	P=0.013*
POLY 6	P=0.002**	P=0.418	P=0.036*	P=0.006**
COCH-ARM / FISHERS	P=0.012*	P=0.420	P=0.046*	P=0.028*
MAX-ISO-POLY-3	P=0.005**	P=0.348	P=0.025*	P=0.004**
HISTCONT SAME RTE	P=0.002**	P=0.018*	P=0.004**	P=0.004**
HISTCONT ALL RTES	P=0.006**	P=0.169	P=0.026*	P=0.014*
CURR VS HC SAME RTE	P=0.068			
CURR VS HC ALL RTES	P=0.199			

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

**P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS**

Vinylidene chloride  
 CAS Number: 75-35-4

Date Report Requested: 08/26/2013  
 Time Report Requested: 12:08:14  
 First Dose M/F: 06/20/05 / 06/20/05  
 Lab: BNW

**STATISTICAL ANALYSIS OF PRIMARY TUMORS IN MICE(B6C3F1)  
 TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Females			
	Control	6.25 ppm	12.5 ppm	25 ppm
<b>Liver</b>				
<b>Hepatocholangiocarcinoma</b>				
<b>TUMOR RATES</b>				
OVERALL (a)	0/50 (0%)	1/50 (2%)	1/50 (2%)	2/50 (4%)
POLY-3 RATE (b)	0/43.32	1/39.96	1/43.08	2/39.32
POLY-3 PERCENT (g)	0%	2.5%	2.3%	5.1%
TERMINAL (d)	0/36 (0%)	0/25 (0%)	0/30 (0%)	0/24 (0%)
FIRST INCIDENCE	---	596	648	508
HC TUMORS SAME ROUTE	0/250 (0%)			
HC TUMORS ALL ROUTES	0/898 (0%)			
<b>STATISTICAL TESTS</b>				
POLY 3	P=0.135	P=0.484	P=0.499	P=0.216
POLY 1.5	P=0.143	P=0.492	P=0.500	P=0.225
POLY 6	P=0.127	P=0.471	P=0.494	P=0.206
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
HISTCONT SAME RTE	P=0.006**	P=0.127	P=0.125	P=0.024*
HISTCONT ALL RTES	P<0.001**	P=0.004**	P=0.003**	P<0.001**
CURR VS HC SAME RTE	P=1.000			
CURR VS HC ALL RTES	P=1.000			



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

**P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS**

Vinylidene chloride  
 CAS Number: 75-35-4

Date Report Requested: 08/26/2013  
 Time Report Requested: 12:08:14  
 First Dose M/F: 06/20/05 / 06/20/05  
 Lab: BNW

**STATISTICAL ANALYSIS OF PRIMARY TUMORS IN MICE(B6C3F1)  
 TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Females			
	Control	6.25 ppm	12.5 ppm	25 ppm
<b>Lung</b>				
<b>Alveolar/Bronchiolar Adenoma</b>				
<b>TUMOR RATES</b>				
OVERALL (a)	3/50 (6%)	4/50 (8%)	2/50 (4%)	2/49 (4%)
POLY-3 RATE (b)	3/43.32	4/40.88	2/42.78	2/37.83
POLY-3 PERCENT (g)	6.9%	9.8%	4.7%	5.3%
TERMINAL (d)	3/36 (8%)	1/25 (4%)	2/30 (7%)	1/24 (4%)
FIRST INCIDENCE	731 (T)	478	731 (T)	508
HC TUMORS SAME ROUTE	13/249 (5%)			
HC TUMORS ALL ROUTES	51/899 (6%)			
<b>STATISTICAL TESTS</b>				
POLY 3	P=0.369N	P=0.468	P=0.506N	P=0.561N
POLY 1.5	P=0.352N	P=0.486	P=0.501N	P=0.539N
POLY 6	P=0.391N	P=0.438	P=0.520N	P=0.589N
COCH-ARM / FISHERS	P=0.327N	P=0.500	P=0.500N	P=0.510N
MAX-ISO-POLY-3	P=0.461N	P=0.323	P=0.329N	P=0.386N
HISTCONT SAME RTE	P=0.720	P=0.287	P=1.000	P=1.000
HISTCONT ALL RTES	P=0.765	P=0.259	P=1.000	P=1.000
CURR VS HC SAME RTE	P=0.826			
CURR VS HC ALL RTES	P=0.882			

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

**P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS**

Vinylidene chloride  
 CAS Number: 75-35-4

Date Report Requested: 08/26/2013  
 Time Report Requested: 12:08:14  
 First Dose M/F: 06/20/05 / 06/20/05  
 Lab: BNW

**STATISTICAL ANALYSIS OF PRIMARY TUMORS IN MICE(B6C3F1)  
 TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Females			
	Control	6.25 ppm	12.5 ppm	25 ppm
<b>Lung</b>				
<b>Alveolar/Bronchiolar Carcinoma</b>				
<b>TUMOR RATES</b>				
OVERALL (a)	1/50 (2%)	2/50 (4%)	7/50 (14%)	5/49 (10%)
POLY-3 RATE (b)	1/43.32	2/40.60	7/43.63	5/39.40
POLY-3 PERCENT (g)	2.3%	4.9%	16.1%	12.7%
TERMINAL (d)	1/36 (3%)	0/25 (0%)	6/30 (20%)	1/24 (4%)
FIRST INCIDENCE	731 (T)	558	392	502
HC TUMORS SAME ROUTE	12/249 (5%)			
HC TUMORS ALL ROUTES	37/899 (4%)			
<b>STATISTICAL TESTS</b>				
POLY 3	P=0.038*	P=0.477	P=0.030*	P=0.080
POLY 1.5	P=0.042*	P=0.489	P=0.031*	P=0.087
POLY 6	P=0.033*	P=0.458	P=0.027*	P=0.073
COCH-ARM / FISHERS	P=0.052	P=0.500	P=0.030*	P=0.098
MAX-ISO-POLY-3	P=0.047*	P=0.268	P=0.012*	P=0.039*
HISTCONT SAME RTE	P=0.063	P=1.000	P=0.041*	P=0.122
HISTCONT ALL RTES	P=0.005**	P=1.000	P=0.002**	P=0.028*
CURR VS HC SAME RTE	P=0.430			
CURR VS HC ALL RTES	P=0.491			

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

P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS  
 Vinylidene chloride  
 CAS Number: 75-35-4

Date Report Requested: 08/26/2013  
 Time Report Requested: 12:08:14  
 First Dose M/F: 06/20/05 / 06/20/05  
 Lab: BNW

**STATISTICAL ANALYSIS OF PRIMARY TUMORS IN MICE(B6C3F1)  
 TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Females			
	Control	6.25 ppm	12.5 ppm	25 ppm
<b>Lung</b>				
<b>Alveolar/Bronchiolar Carcinoma or Alveolar/Bronchiolar Adenoma</b>				
<b>TUMOR RATES</b>				
OVERALL (a)	4/50 (8%)	5/50 (10%)	9/50 (18%)	7/49 (14%)
POLY-3 RATE (b)	4/43.32	5/41.42	9/43.63	7/40.07
POLY-3 PERCENT (g)	9.2%	12.1%	20.6%	17.5%
TERMINAL (d)	4/36 (11%)	1/25 (4%)	8/30 (27%)	2/24 (8%)
FIRST INCIDENCE	731 (T)	478	392	502
HC TUMORS SAME ROUTE	24/249 (10%)			
HC TUMORS ALL ROUTES	86/899 (10%)			
<b>STATISTICAL TESTS</b>				
POLY 3	P=0.141	P=0.472	P=0.115	P=0.216
POLY 1.5	P=0.153	P=0.488	P=0.119	P=0.229
POLY 6	P=0.130	P=0.443	P=0.104	P=0.200
COCH-ARM / FISHERS	P=0.172	P=0.500	P=0.117	P=0.251
MAX-ISO-POLY-3	P=0.174	P=0.339	P=0.067	P=0.141
HISTCONT SAME RTE	P=0.098	P=1.000	P=0.070	P=0.174
HISTCONT ALL RTES	P=0.034*	P=0.487	P=0.022*	P=0.107
CURR VS HC SAME RTE	P=0.748			
CURR VS HC ALL RTES	P=0.772			

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

**P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS**

Vinylidene chloride  
 CAS Number: 75-35-4

Date Report Requested: 08/26/2013  
 Time Report Requested: 12:08:14  
 First Dose M/F: 06/20/05 / 06/20/05  
 Lab: BNW

**STATISTICAL ANALYSIS OF PRIMARY TUMORS IN MICE(B6C3F1)  
 TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Females			
	Control	6.25 ppm	12.5 ppm	25 ppm
<b>Mammary Gland Carcinoma</b>				
<b>TUMOR RATES</b>	#	#	#	#
OVERALL (a)	1/50 (2%)	1/50 (2%)	2/50 (4%)	1/50 (2%)
POLY-3 RATE (b)	1/43.32	1/39.50	2/42.78	1/38.11
POLY-3 PERCENT (g)	2.3%	2.5%	4.7%	2.6%
TERMINAL (d)	1/36 (3%)	1/25 (4%)	2/30 (7%)	1/24 (4%)
FIRST INCIDENCE	731 (T)	731 (T)	731 (T)	731 (T)
HC TUMORS SAME ROUTE	10/250 (4%)			
HC TUMORS ALL ROUTES	16/900 (2%)			
<b>STATISTICAL TESTS</b>				
POLY 3	P=0.540	P=0.740	P=0.496	P=0.732
POLY 1.5	P=0.561	P=0.750	P=0.500	P=0.744
POLY 6	P=0.514	P=0.722	P=0.485	P=0.715
COCH-ARM / FISHERS	P=0.591	P=0.753N	P=0.500	P=0.753N
MAX-ISO-POLY-3	P=0.577	P=0.474	P=0.278	P=0.465
HISTCONT SAME RTE	P=1.000	P=1.000	P=1.000	P=1.000
HISTCONT ALL RTES	P=0.420	P=1.000	P=0.218	P=1.000
CURR VS HC SAME RTE	P=0.504			
CURR VS HC ALL RTES	P=0.888			

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

**P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS**

Vinylidene chloride  
 CAS Number: 75-35-4

Date Report Requested: 08/26/2013  
 Time Report Requested: 12:08:14  
 First Dose M/F: 06/20/05 / 06/20/05  
 Lab: BNW

**STATISTICAL ANALYSIS OF PRIMARY TUMORS IN MICE(B6C3F1)  
 TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Females			
	Control	6.25 ppm	12.5 ppm	25 ppm
<b>Ovary</b>				
<b>Cystadenoma</b>				
<b>TUMOR RATES</b>				
OVERALL (a)	1/50 (2%)	3/49 (6%)	1/49 (2%)	1/49 (2%)
POLY-3 RATE (b)	1/43.32	3/39.27	1/42.32	1/37.85
POLY-3 PERCENT (g)	2.3%	7.6%	2.4%	2.6%
TERMINAL (d)	1/36 (3%)	2/25 (8%)	0/30 (0%)	0/24 (0%)
FIRST INCIDENCE	731 (T)	673	668	502
HC TUMORS SAME ROUTE	11/247 (5%)			
HC TUMORS ALL ROUTES	42/889 (5%)			
<b>STATISTICAL TESTS</b>				
POLY 3	P=0.488N	P=0.270	P=0.756	P=0.730
POLY 1.5	P=0.472N	P=0.284	P=0.757	P=0.741
POLY 6	P=0.509N	P=0.249	P=0.751	P=0.716
COCH-ARM / FISHERS	P=0.450N	P=0.301	P=0.747	P=0.747
MAX-ISO-POLY-3	P=0.481N	P=0.141	P=0.493	P=0.463
HISTCONT SAME RTE	P=1.000	P=0.282	P=1.000	P=1.000
HISTCONT ALL RTES	P=1.000	P=0.360	P=1.000	P=1.000
CURR VS HC SAME RTE	P=0.411			
CURR VS HC ALL RTES	P=0.397			

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

**P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS**

Vinylidene chloride  
 CAS Number: 75-35-4

Date Report Requested: 08/26/2013  
 Time Report Requested: 12:08:14  
 First Dose M/F: 06/20/05 / 06/20/05  
 Lab: BNW

**STATISTICAL ANALYSIS OF PRIMARY TUMORS IN MICE(B6C3F1)  
 TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Females			
	Control	6.25 ppm	12.5 ppm	25 ppm
<b>Ovary Hemangioma</b>				
<b>TUMOR RATES</b>				
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)	---
HC TUMORS SAME ROUTE	0/247 (0%)			
HC TUMORS ALL ROUTES	1/889 (0%)			
<b>STATISTICAL TESTS</b>				
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)
HISTCONT SAME RTE	P=0.206	(e)	P=0.021*	(e)
HISTCONT ALL RTES	P=0.079	(e)	P<0.001**	(e)
CURR VS HC SAME RTE	P=1.000			
CURR VS HC ALL RTES	P=0.563			

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

**P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS**

Vinylidene chloride  
 CAS Number: 75-35-4

Date Report Requested: 08/26/2013  
 Time Report Requested: 12:08:14  
 First Dose M/F: 06/20/05 / 06/20/05  
 Lab: BNW

**STATISTICAL ANALYSIS OF PRIMARY TUMORS IN MICE(B6C3F1)  
 TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Females			
	Control	6.25 ppm	12.5 ppm	25 ppm
<b>Pituitary Gland: Pars Distalis or Unspecified Site Adenoma</b>				
<b>TUMOR RATES</b>				
OVERALL (a)	8/50 (16%)	5/50 (10%)	8/48 (17%)	4/47 (9%)
POLY-3 RATE (b)	8/43.32	5/40.46	8/40.78	4/37.50
POLY-3 PERCENT (g)	18.5%	12.4%	19.6%	10.7%
TERMINAL (d)	8/36 (22%)	3/25 (12%)	8/28 (29%)	2/24 (8%)
FIRST INCIDENCE	731 (T)	584	731 (T)	556
HC TUMORS SAME ROUTE	29/242 (12%)			
HC TUMORS ALL ROUTES	64/883 (7%)			
<b>STATISTICAL TESTS</b>				
POLY 3	P=0.277N	P=0.319N	P=0.557	P=0.252N
POLY 1.5	P=0.263N	P=0.296N	P=0.569	P=0.233N
POLY 6	P=0.294N	P=0.359N	P=0.526	P=0.275N
COCH-ARM / FISHERS	P=0.241N	P=0.277N	P=0.572	P=0.210N
MAX-ISO-POLY-3	P=0.289N	P=0.228N	P=0.446	P=0.176N
HISTCONT SAME RTE	P=0.622	P=1.000	P=0.178	P=1.000
HISTCONT ALL RTES	P=0.131	P=0.264	P=0.018*	P=0.404
CURR VS HC SAME RTE	P=0.414			
CURR VS HC ALL RTES	P=0.021*			

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

**P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS**

Vinylidene chloride  
 CAS Number: 75-35-4

Date Report Requested: 08/26/2013  
 Time Report Requested: 12:08:14  
 First Dose M/F: 06/20/05 / 06/20/05  
 Lab: BNW

**STATISTICAL ANALYSIS OF PRIMARY TUMORS IN MICE(B6C3F1)  
 TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Females			
	Control	6.25 ppm	12.5 ppm	25 ppm
<b>Pituitary Gland: Pars Distalis or Unspecified Site Carcinoma or Adenoma</b>				
<b>TUMOR RATES</b>				
OVERALL (a)	8/50 (16%)	5/50 (10%)	9/48 (19%)	4/47 (9%)
POLY-3 RATE (b)	8/43.32	5/40.46	9/41.01	4/37.50
POLY-3 PERCENT (g)	18.5%	12.4%	22%	10.7%
TERMINAL (d)	8/36 (22%)	3/25 (12%)	8/28 (29%)	2/24 (8%)
FIRST INCIDENCE	731 (T)	584	670	556
HC TUMORS SAME ROUTE	30/242 (12%)			
HC TUMORS ALL ROUTES	65/883 (7%)			
<b>STATISTICAL TESTS</b>				
POLY 3	P=0.298N	P=0.319N	P=0.450	P=0.252N
POLY 1.5	P=0.282N	P=0.296N	P=0.461	P=0.233N
POLY 6	P=0.316N	P=0.359N	P=0.422	P=0.275N
COCH-ARM / FISHERS	P=0.258N	P=0.277N	P=0.463	P=0.210N
MAX-ISO-POLY-3	P=0.294N	P=0.228N	P=0.347	P=0.176N
HISTCONT SAME RTE	P=0.565	P=1.000	P=0.108	P=1.000
HISTCONT ALL RTES	P=0.108	P=0.276	P=0.008**	P=0.416
CURR VS HC SAME RTE	P=0.459			
CURR VS HC ALL RTES	P=0.025*			



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

**P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS**

Vinylidene chloride  
 CAS Number: 75-35-4

Date Report Requested: 08/26/2013  
 Time Report Requested: 12:08:14  
 First Dose M/F: 06/20/05 / 06/20/05  
 Lab: BNW

**STATISTICAL ANALYSIS OF PRIMARY TUMORS IN MICE(B6C3F1)  
 TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Females			
	Control	6.25 ppm	12.5 ppm	25 ppm
<b>Skin</b>				
Fibroma, Fibrosarcoma, Sarcoma, Myxoma, Myxosarcoma, or Fibrous Histiocytoma				
<b>TUMOR RATES</b>	#	#	#	#
OVERALL (a)	2/50 (4%)	4/50 (8%)	4/50 (8%)	6/50 (12%)
POLY-3 RATE (b)	2/43.75	4/40.64	4/43.30	6/39.09
POLY-3 PERCENT (g)	4.6%	9.8%	9.2%	15.4%
TERMINAL (d)	1/36 (3%)	1/25 (4%)	2/30 (7%)	3/24 (13%)
FIRST INCIDENCE	605	563	653	592
HC TUMORS SAME ROUTE	15/250 (6%)			
HC TUMORS ALL ROUTES	41/900 (5%)			
<b>STATISTICAL TESTS</b>				
POLY 3	P=0.080	P=0.303	P=0.332	P=0.098
POLY 1.5	P=0.091	P=0.320	P=0.337	P=0.112
POLY 6	P=0.069	P=0.277	P=0.320	P=0.084
COCH-ARM / FISHERS	P=0.109	P=0.339	P=0.339	P=0.134
MAX-ISO-POLY-3	P=0.091	P=0.183	P=0.197	P=0.057
HISTCONT SAME RTE	P=0.138	P=0.383	P=0.416	P=0.135
HISTCONT ALL RTES	P=0.009**	P=0.168	P=0.191	P=0.014*
CURR VS HC SAME RTE	P=0.651			
CURR VS HC ALL RTES	P=0.889			

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

**P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS**

Vinylidene chloride  
 CAS Number: 75-35-4

Date Report Requested: 08/26/2013  
 Time Report Requested: 12:08:14  
 First Dose M/F: 06/20/05 / 06/20/05  
 Lab: BNW

**STATISTICAL ANALYSIS OF PRIMARY TUMORS IN MICE(B6C3F1)  
 TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Females			
	Control	6.25 ppm	12.5 ppm	25 ppm
<b>Skin</b>				
Fibrosarcoma, Sarcoma, Myxosarcoma, or Fibrous Histiocytoma				
<b>TUMOR RATES</b>	#	#	#	#
OVERALL (a)	2/50 (4%)	4/50 (8%)	4/50 (8%)	6/50 (12%)
POLY-3 RATE (b)	2/43.75	4/40.64	4/43.30	6/39.09
POLY-3 PERCENT (g)	4.6%	9.8%	9.2%	15.4%
TERMINAL (d)	1/36 (3%)	1/25 (4%)	2/30 (7%)	3/24 (13%)
FIRST INCIDENCE	605	563	653	592
HC TUMORS SAME ROUTE	15/250 (6%)			
HC TUMORS ALL ROUTES	41/900 (5%)			
<b>STATISTICAL TESTS</b>				
POLY 3	P=0.080	P=0.303	P=0.332	P=0.098
POLY 1.5	P=0.091	P=0.320	P=0.337	P=0.112
POLY 6	P=0.069	P=0.277	P=0.320	P=0.084
COCH-ARM / FISHERS	P=0.109	P=0.339	P=0.339	P=0.134
MAX-ISO-POLY-3	P=0.091	P=0.183	P=0.197	P=0.057
HISTCONT SAME RTE	P=0.138	P=0.383	P=0.416	P=0.135
HISTCONT ALL RTES	P=0.009**	P=0.168	P=0.191	P=0.014*
CURR VS HC SAME RTE	P=0.651			
CURR VS HC ALL RTES	P=0.889			

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

**P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS**

Vinylidene chloride  
 CAS Number: 75-35-4

Date Report Requested: 08/26/2013  
 Time Report Requested: 12:08:14  
 First Dose M/F: 06/20/05 / 06/20/05  
 Lab: BNW

**STATISTICAL ANALYSIS OF PRIMARY TUMORS IN MICE(B6C3F1)  
 TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Females			
	Control	6.25 ppm	12.5 ppm	25 ppm
<b>Skin</b>				
<b>Fibrous Histiocytoma</b>				
<b>TUMOR RATES</b>	#	#	#	#
OVERALL (a)	0/50 (0%)	2/50 (4%)	2/50 (4%)	3/50 (6%)
POLY-3 RATE (b)	0/43.32	2/40.21	2/43.02	3/38.11
POLY-3 PERCENT (g)	0%	5%	4.7%	7.9%
TERMINAL (d)	0/36 (0%)	0/25 (0%)	1/30 (3%)	3/24 (13%)
FIRST INCIDENCE	---	563	668	731 (T)
HC TUMORS SAME ROUTE	1/250 (0%)			
HC TUMORS ALL ROUTES	5/900 (1%)			
<b>STATISTICAL TESTS</b>				
POLY 3	P=0.083	P=0.221	P=0.235	P=0.097
POLY 1.5	P=0.093	P=0.229	P=0.237	P=0.106
POLY 6	P=0.071	P=0.208	P=0.230	P=0.087
COCH-ARM / FISHERS	P=0.108	P=0.247	P=0.247	P=0.121
MAX-ISO-POLY-3	P=0.079	P=0.075	P=0.076	P=0.037*
HISTCONT SAME RTE	P=0.006**	P=0.045*	P=0.044*	P=0.018*
HISTCONT ALL RTES	P<0.001**	P=0.025*	P=0.027*	P<0.001**
CURR VS HC SAME RTE	P=0.480			
CURR VS HC ALL RTES	P=0.610			

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

**P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS**

Vinylidene chloride  
 CAS Number: 75-35-4

Date Report Requested: 08/26/2013  
 Time Report Requested: 12:08:14  
 First Dose M/F: 06/20/05 / 06/20/05  
 Lab: BNW

**STATISTICAL ANALYSIS OF PRIMARY TUMORS IN MICE(B6C3F1)  
 TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Females			
	Control	6.25 ppm	12.5 ppm	25 ppm
<b>Skin</b>				
<b>Sarcoma</b>				
<b>TUMOR RATES</b>	#	#	#	#
OVERALL (a)	1/50 (2%)	1/50 (2%)	1/50 (2%)	3/50 (6%)
POLY-3 RATE (b)	1/43.32	1/39.93	1/42.78	3/39.09
POLY-3 PERCENT (g)	2.3%	2.5%	2.3%	7.7%
TERMINAL (d)	1/36 (3%)	0/25 (0%)	1/30 (3%)	0/24 (0%)
FIRST INCIDENCE	731 (T)	606	731 (T)	592
HC TUMORS SAME ROUTE	14/250 (6%)			
HC TUMORS ALL ROUTES	23/900 (3%)			
<b>STATISTICAL TESTS</b>				
POLY 3	P=0.148	P=0.743	P=0.758	P=0.269
POLY 1.5	P=0.154	P=0.752	P=0.760	P=0.284
POLY 6	P=0.142	P=0.727	P=0.752	P=0.253
COCH-ARM / FISHERS	P=0.163	P=0.753N	P=0.753N	P=0.309
MAX-ISO-POLY-3	P=0.173	P=0.477	P=0.496	P=0.141
HISTCONT SAME RTE	P=0.575	P=1.000	P=1.000	P=1.000
HISTCONT ALL RTES	P=0.263	P=1.000	P=1.000	P=0.155
CURR VS HC SAME RTE	P=0.360			
CURR VS HC ALL RTES	P=0.841			

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

**P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS**

Vinylidene chloride  
 CAS Number: 75-35-4

Date Report Requested: 08/26/2013  
 Time Report Requested: 12:08:14  
 First Dose M/F: 06/20/05 / 06/20/05  
 Lab: BNW

**STATISTICAL ANALYSIS OF PRIMARY TUMORS IN MICE(B6C3F1)  
 TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Females			
	Control	6.25 ppm	12.5 ppm	25 ppm
<b>Spleen Hemangiosarcoma</b>				
<b>TUMOR RATES</b>				
OVERALL (a)	3/50 (6%)	3/49 (6%)	1/50 (2%)	1/49 (2%)
POLY-3 RATE (b)	3/43.32	3/39.86	1/42.78	1/37.76
POLY-3 PERCENT (g)	6.9%	7.5%	2.3%	2.7%
TERMINAL (d)	3/36 (8%)	2/25 (8%)	1/30 (3%)	1/24 (4%)
FIRST INCIDENCE	731 (T)	471	731 (T)	731 (T)
HC TUMORS SAME ROUTE	7/249 (3%)			
HC TUMORS ALL ROUTES	14/890 (2%)			
<b>STATISTICAL TESTS</b>				
POLY 3	P=0.188N	P=0.624	P=0.309N	P=0.356N
POLY 1.5	P=0.180N	P=0.640	P=0.306N	P=0.337N
POLY 6	P=0.199N	P=0.595	P=0.320N	P=0.379N
COCH-ARM / FISHERS	P=0.168N	P=0.651	P=0.309N	P=0.316N
MAX-ISO-POLY-3	P=0.289N	P=0.458	P=0.158N	P=0.204N
HISTCONT SAME RTE	P=0.573	P=0.062	P=1.000	P=1.000
HISTCONT ALL RTES	P=0.284	P=0.004**	P=1.000	P=1.000
CURR VS HC SAME RTE	P=0.233			
CURR VS HC ALL RTES	P=0.020*			

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

**P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS**

Vinylidene chloride  
 CAS Number: 75-35-4

Date Report Requested: 08/26/2013  
 Time Report Requested: 12:08:14  
 First Dose M/F: 06/20/05 / 06/20/05  
 Lab: BNW

**STATISTICAL ANALYSIS OF PRIMARY TUMORS IN MICE(B6C3F1)  
 TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Females			
	Control	6.25 ppm	12.5 ppm	25 ppm
<b>Stomach, Forestomach Squamous Cell Papilloma</b>				
<b>TUMOR RATES</b>	#	#	#	#
OVERALL (a)	0/50 (0%)	3/50 (6%)	1/50 (2%)	0/50 (0%)
POLY-3 RATE (b)	0/43.32	3/39.50	1/43.07	0/38.11
POLY-3 PERCENT (g)	0%	7.6%	2.3%	0%
TERMINAL (d)	0/36 (0%)	3/25 (12%)	0/30 (0%)	0/24 (0%)
FIRST INCIDENCE	---	731 (T)	653	---
HC TUMORS SAME ROUTE	2/250 (1%)			
HC TUMORS ALL ROUTES	15/900 (2%)			
<b>STATISTICAL TESTS</b>				
POLY 3	P=0.420N	P=0.102	P=0.499	(e)
POLY 1.5	P=0.396N	P=0.110	P=0.500	(e)
POLY 6	P=0.452N	P=0.091	P=0.494	(e)
COCH-ARM / FISHERS	P=0.366N	P=0.121	P=0.500	(e)
MAX-ISO-POLY-3	P=0.257N	P=0.037*	P=0.158	(e)
HISTCONT SAME RTE	P=0.387	P=0.023*	P=0.492	(e)
HISTCONT ALL RTES	P=0.504	P=0.010**	P=1.000	(e)
CURR VS HC SAME RTE	P=0.486			
CURR VS HC ALL RTES	P=0.400			

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

P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS  
 Vinylidene chloride  
 CAS Number: 75-35-4

Date Report Requested: 08/26/2013  
 Time Report Requested: 12:08:14  
 First Dose M/F: 06/20/05 / 06/20/05  
 Lab: BNW

**STATISTICAL ANALYSIS OF PRIMARY TUMORS IN MICE(B6C3F1)  
 TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Females			
	Control	6.25 ppm	12.5 ppm	25 ppm
<b>Thyroid Gland: Follicular Cell Carcinoma or Adenoma</b>				
<b>TUMOR RATES</b>				
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	---	---	---	---
HC TUMORS SAME ROUTE	2/249 (1%)			
HC TUMORS ALL ROUTES	4/892 (0%)			
<b>STATISTICAL TESTS</b>				
POLY 3	(n)	(n)	(n)	(n)
POLY 1.5	(n)	(n)	(n)	(n)
POLY 6	(n)	(n)	(n)	(n)
COCH-ARM / FISHERS	(n)	(n)	(n)	(n)
MAX-ISO-POLY-3	(n)	(n)	(n)	(n)
HISTCONT SAME RTE	(n)	(n)	(n)	(n)
HISTCONT ALL RTES	(n)	(n)	(n)	(n)
CURR VS HC SAME RTE	(n)			
CURR VS HC ALL RTES	(n)			

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

P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS  
 Vinylidene chloride  
 CAS Number: 75-35-4

Date Report Requested: 08/26/2013  
 Time Report Requested: 12:08:14  
 First Dose M/F: 06/20/05 / 06/20/05  
 Lab: BNW

**STATISTICAL ANALYSIS OF PRIMARY TUMORS IN MICE(B6C3F1)  
 TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Females			
	Control	6.25 ppm	12.5 ppm	25 ppm
<b>Uterus</b>				
<b>Polyp Stromal</b>				
<b>TUMOR RATES</b>	#	#	#	#
OVERALL (a)	2/50 (4%)	2/50 (4%)	1/50 (2%)	3/50 (6%)
POLY-3 RATE (b)	2/43.32	2/39.94	1/42.78	3/39.05
POLY-3 PERCENT (g)	4.6%	5%	2.3%	7.7%
TERMINAL (d)	2/36 (6%)	1/25 (4%)	1/30 (3%)	0/24 (0%)
FIRST INCIDENCE	731 (T)	603	731 (T)	626
HC TUMORS SAME ROUTE	4/250 (2%)			
HC TUMORS ALL ROUTES	20/900 (2%)			
<b>STATISTICAL TESTS</b>				
POLY 3	P=0.376	P=0.665	P=0.504N	P=0.453
POLY 1.5	P=0.387	P=0.680	P=0.500N	P=0.472
POLY 6	P=0.364	P=0.640	P=0.515N	P=0.432
COCH-ARM / FISHERS	P=0.404	P=0.691N	P=0.500N	P=0.500
MAX-ISO-POLY-3	P=0.371	P=0.467	P=0.285N	P=0.292
HISTCONT SAME RTE	P=0.043*	P=0.189	P=1.000	P=0.049*
HISTCONT ALL RTES	P=0.077	P=0.296	P=1.000	P=0.056
CURR VS HC SAME RTE	P=0.244			
CURR VS HC ALL RTES	P=0.407			



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

P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS  
 Vinylidene chloride  
 CAS Number: 75-35-4

Date Report Requested: 08/26/2013  
 Time Report Requested: 12:08:14  
 First Dose M/F: 06/20/05 / 06/20/05  
 Lab: BNW

**STATISTICAL ANALYSIS OF PRIMARY TUMORS IN MICE(B6C3F1)  
 TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Females			
	Control	6.25 ppm	12.5 ppm	25 ppm
<b>All Organs</b>				
<b>Hemangioma</b>				
<b>TUMOR RATES</b>	#	#	#	#
OVERALL (a)	0/50 (0%)	2/50 (4%)	2/50 (4%)	2/50 (4%)
POLY-3 RATE (b)	0/43.32	2/39.61	2/42.78	2/38.11
POLY-3 PERCENT (g)	0%	5.1%	4.7%	5.3%
TERMINAL (d)	0/36 (0%)	1/25 (4%)	2/30 (7%)	2/24 (8%)
FIRST INCIDENCE	---	705	731 (T)	731 (T)
HC TUMORS SAME ROUTE	0/250 (0%)			
HC TUMORS ALL ROUTES	5/900 (1%)			
<b>STATISTICAL TESTS</b>				
POLY 3	P=0.195	P=0.217	P=0.234	P=0.209
POLY 1.5	P=0.214	P=0.227	P=0.237	P=0.221
POLY 6	P=0.173	P=0.203	P=0.227	P=0.196
COCH-ARM / FISHERS	P=0.242	P=0.247	P=0.247	P=0.247
MAX-ISO-POLY-3	P=0.192	P=0.075	P=0.076	P=0.075
HISTCONT SAME RTE	P=0.012*	P=0.024*	P=0.021*	P=0.025*
HISTCONT ALL RTES	P<0.001**	P=0.004**	P=0.003**	P=0.004**
CURR VS HC SAME RTE	P=1.000			
CURR VS HC ALL RTES	P=0.587			

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

**P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS**

Vinylidene chloride  
 CAS Number: 75-35-4

Date Report Requested: 08/26/2013  
 Time Report Requested: 12:08:14  
 First Dose M/F: 06/20/05 / 06/20/05  
 Lab: BNW

**STATISTICAL ANALYSIS OF PRIMARY TUMORS IN MICE(B6C3F1)  
 TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Females			
	Control	6.25 ppm	12.5 ppm	25 ppm
<b>All Organs</b>				
<b>Hemangiosarcoma</b>				
<b>TUMOR RATES</b>	#	#	#	#
OVERALL (a)	4/50 (8%)	4/50 (8%)	4/50 (8%)	9/50 (18%)
POLY-3 RATE (b)	4/43.32	4/40.24	4/43.28	9/40.05
POLY-3 PERCENT (g)	9.2%	9.9%	9.2%	22.5%
TERMINAL (d)	4/36 (11%)	3/25 (12%)	2/30 (7%)	5/24 (21%)
FIRST INCIDENCE	731 (T)	471	620	508
HC TUMORS SAME ROUTE	17/250 (7%)			
HC TUMORS ALL ROUTES	46/900 (5%)			
<b>STATISTICAL TESTS</b>				
POLY 3	P=0.044*	P=0.603	P=0.643	P=0.084
POLY 1.5	P=0.047*	P=0.624	P=0.641N	P=0.096
POLY 6	P=0.040*	P=0.565	P=0.633	P=0.072
COCH-ARM / FISHERS	P=0.055	P=0.643N	P=0.643N	P=0.117
MAX-ISO-POLY-3	P=0.060	P=0.457	P=0.499	P=0.052
HISTCONT SAME RTE	P=0.009**	P=0.373	P=0.482	P=0.009**
HISTCONT ALL RTES	P<0.001**	P=0.211	P=0.246	P<0.001**
CURR VS HC SAME RTE	P=0.745			
CURR VS HC ALL RTES	P=0.351			

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

**P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS**

Vinylidene chloride  
 CAS Number: 75-35-4

Date Report Requested: 08/26/2013  
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 Lab: BNW

**STATISTICAL ANALYSIS OF PRIMARY TUMORS IN MICE(B6C3F1)  
 TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Females			
	Control	6.25 ppm	12.5 ppm	25 ppm
<b>All Organs</b>				
<b>Hemangiosarcoma or Hemangioma</b>				
<b>TUMOR RATES</b>	#	#	#	#
OVERALL (a)	4/50 (8%)	6/50 (12%)	6/50 (12%)	11/50 (22%)
POLY-3 RATE (b)	4/43.32	6/40.34	6/43.28	11/40.05
POLY-3 PERCENT (g)	9.2%	14.9%	13.9%	27.5%
TERMINAL (d)	4/36 (11%)	4/25 (16%)	4/30 (13%)	7/24 (29%)
FIRST INCIDENCE	731 (T)	471	620	508
HC TUMORS SAME ROUTE	17/250 (7%)			
HC TUMORS ALL ROUTES	51/900 (6%)			
<b>STATISTICAL TESTS</b>				
POLY 3	P=0.018*	P=0.324	P=0.368	P=0.027*
POLY 1.5	P=0.021*	P=0.348	P=0.372	P=0.034*
POLY 6	P=0.015*	P=0.285	P=0.354	P=0.022*
COCH-ARM / FISHERS	P=0.027*	P=0.370	P=0.370	P=0.045*
MAX-ISO-POLY-3	P=0.021*	P=0.222	P=0.251	P=0.017*
HISTCONT SAME RTE	P=0.003**	P=0.040*	P=0.049*	P=0.006**
HISTCONT ALL RTES	P<0.001**	P=0.024*	P=0.031*	P<0.001**
CURR VS HC SAME RTE	P=0.745			
CURR VS HC ALL RTES	P=0.465			

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

P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS  
 Vinylidene chloride  
 CAS Number: 75-35-4

Date Report Requested: 08/26/2013  
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 First Dose M/F: 06/20/05 / 06/20/05  
 Lab: BNW

**STATISTICAL ANALYSIS OF PRIMARY TUMORS IN MICE(B6C3F1)  
 TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Females			
	Control	6.25 ppm	12.5 ppm	25 ppm
<b>All Organs</b>				
<b>Histiocytic Sarcoma</b>				
<b>TUMOR RATES</b>	#	#	#	#
OVERALL (a)	2/50 (4%)	2/50 (4%)	2/50 (4%)	0/50 (0%)
POLY-3 RATE (b)	2/44.57	2/40.42	2/42.78	0/38.11
POLY-3 PERCENT (g)	4.5%	5%	4.7%	0%
TERMINAL (d)	0/36 (0%)	0/25 (0%)	2/30 (7%)	0/24 (0%)
FIRST INCIDENCE	440	529	731 (T)	---
HC TUMORS SAME ROUTE	7/250 (3%)			
HC TUMORS ALL ROUTES	21/900 (2%)			
<b>STATISTICAL TESTS</b>				
POLY 3	P=0.199N	P=0.659	P=0.679	P=0.274N
POLY 1.5	P=0.184N	P=0.676	P=0.687	P=0.258N
POLY 6	P=0.220N	P=0.632	P=0.664	P=0.293N
COCH-ARM / FISHERS	P=0.163N	P=0.691N	P=0.691N	P=0.247N
MAX-ISO-POLY-3	P=0.236N	P=0.461	P=0.483	P=0.110N
HISTCONT SAME RTE	P=0.757	P=0.406	P=0.468	P=1.000
HISTCONT ALL RTES	P=0.645	P=0.259	P=0.291	P=1.000
CURR VS HC SAME RTE	P=0.656			
CURR VS HC ALL RTES	P=0.457			

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

P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS  
 Vinylidene chloride  
 CAS Number: 75-35-4

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 Lab: BNW

**STATISTICAL ANALYSIS OF PRIMARY TUMORS IN MICE(B6C3F1)  
 TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Females			
	Control	6.25 ppm	12.5 ppm	25 ppm
<b>All Organs</b>				
<b>Malignant Lymphoma: Histiocytic, Lymphocytic, Mixed, NOS, or Undifferentiated Cell Type</b>				
<b>TUMOR RATES</b>	#	#	#	#
OVERALL (a)	14/50 (28%)	20/50 (40%)	13/50 (26%)	11/50 (22%)
POLY-3 RATE (b)	14/44.52	20/42.57	13/43.18	11/39.21
POLY-3 PERCENT (g)	31.5%	47%	30.1%	28.1%
TERMINAL (d)	11/36 (31%)	11/25 (44%)	11/30 (37%)	8/24 (33%)
FIRST INCIDENCE	509	563	668	440
HC TUMORS SAME ROUTE	69/250 (28%)			
HC TUMORS ALL ROUTES	211/900 (23%)			
<b>STATISTICAL TESTS</b>				
POLY 3	P=0.231N	P=0.098	P=0.538N	P=0.460N
POLY 1.5	P=0.184N	P=0.119	P=0.515N	P=0.399N
POLY 6	P=0.303N	P=0.075	P=0.583N	P=0.539N
COCH-ARM / FISHERS	P=0.134N	P=0.146	P=0.500N	P=0.322N
MAX-ISO-POLY-3	P=0.252N	P=0.068	P=0.445N	P=0.373N
HISTCONT SAME RTE	P=0.582	P=0.047*	P=1.000	P=1.000
HISTCONT ALL RTES	P=0.361	P=0.010**	P=0.347	P=0.459
CURR VS HC SAME RTE	P=0.959			
CURR VS HC ALL RTES	P=0.424			

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

**P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS**

Vinylidene chloride  
 CAS Number: 75-35-4

Date Report Requested: 08/26/2013  
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 Lab: BNW

**STATISTICAL ANALYSIS OF PRIMARY TUMORS IN MICE(B6C3F1)  
 TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Females			
	Control	6.25 ppm	12.5 ppm	25 ppm
<b>All Organs</b>				
<b>Benign Tumors</b>				
<b>TUMOR RATES</b>	#	#	#	#
OVERALL (a)	32/50 (64%)	34/50 (68%)	38/50 (76%)	34/50 (68%)
POLY-3 RATE (b)	32/45.19	34/45.90	38/46.41	34/43.70
POLY-3 PERCENT (g)	70.8%	74.1%	81.9%	77.8%
TERMINAL (d)	27/36 (75%)	19/25 (76%)	27/30 (90%)	21/24 (88%)
FIRST INCIDENCE	509	471	524	443
HC TUMORS SAME ROUTE	126/250 (50%)			
HC TUMORS ALL ROUTES	499/900 (55%)			
<b>STATISTICAL TESTS</b>				
POLY 3	P=0.210	P=0.452	P=0.142	P=0.292
POLY 1.5	P=0.264	P=0.448	P=0.144	P=0.341
POLY 6	P=0.165	P=0.438	P=0.129	P=0.246
COCH-ARM / FISHERS	P=0.359	P=0.417	P=0.138	P=0.417
MAX-ISO-POLY-3	P=0.236	P=0.357	P=0.094	P=0.215
HISTCONT SAME RTE	P=0.007**	P=0.010**	P=0.004**	P=0.008**
HISTCONT ALL RTES	P=0.021*	P=0.103	P=0.023*	P=0.062
CURR VS HC SAME RTE	P=0.040*			
CURR VS HC ALL RTES	P=0.163			

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

P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS  
 Vinylidene chloride  
 CAS Number: 75-35-4

Date Report Requested: 08/26/2013  
 Time Report Requested: 12:08:14  
 First Dose M/F: 06/20/05 / 06/20/05  
 Lab: BNW

**STATISTICAL ANALYSIS OF PRIMARY TUMORS IN MICE(B6C3F1)  
 TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Females			
	Control	6.25 ppm	12.5 ppm	25 ppm
<b>All Organs</b>				
<b>Malignant Tumors</b>				
<b>TUMOR RATES</b>	#	#	#	#
OVERALL (a)	33/50 (66%)	39/50 (78%)	36/50 (72%)	41/50 (82%)
POLY-3 RATE (b)	33/47.73	39/48.22	36/48.06	41/48.99
POLY-3 PERCENT (g)	69.2%	80.9%	74.9%	83.7%
TERMINAL (d)	23/36 (64%)	17/25 (68%)	21/30 (70%)	18/24 (75%)
FIRST INCIDENCE	440	471	392	413
HC TUMORS SAME ROUTE	144/250 (58%)			
HC TUMORS ALL ROUTES	475/900 (53%)			
<b>STATISTICAL TESTS</b>				
POLY 3	P=0.091	P=0.132	P=0.342	P=0.069
POLY 1.5	P=0.083	P=0.135	P=0.349	P=0.063
POLY 6	P=0.100	P=0.130	P=0.320	P=0.077
COCH-ARM / FISHERS	P=0.073	P=0.133	P=0.333	P=0.055
MAX-ISO-POLY-3	P=0.065	P=0.089	P=0.263	P=0.044*
HISTCONT SAME RTE	P=0.012*	P=0.017*	P=0.047*	P=0.011*
HISTCONT ALL RTES	P=0.006**	P=0.019*	P=0.055	P=0.010**
CURR VS HC SAME RTE	P=0.338			
CURR VS HC ALL RTES	P=0.080			

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

P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS  
 Vinylidene chloride  
 CAS Number: 75-35-4

Date Report Requested: 08/26/2013  
 Time Report Requested: 12:08:14  
 First Dose M/F: 06/20/05 / 06/20/05  
 Lab: BNW

**STATISTICAL ANALYSIS OF PRIMARY TUMORS IN MICE(B6C3F1)  
 TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Females			
	Control	6.25 ppm	12.5 ppm	25 ppm
<b>All Organs</b>				
<b>Malignant and Benign Tumors</b>				
<b>TUMOR RATES</b>	#	#	#	#
OVERALL (a)	45/50 (90%)	46/50 (92%)	47/50 (94%)	47/50 (94%)
POLY-3 RATE (b)	45/47.73	46/48.94	47/49.54	47/49.12
POLY-3 PERCENT (g)	94.3%	94%	94.9%	95.7%
TERMINAL (d)	35/36 (97%)	23/25 (92%)	29/30 (97%)	23/24 (96%)
FIRST INCIDENCE	440	471	392	413
HC TUMORS SAME ROUTE	204/250 (82%)			
HC TUMORS ALL ROUTES	706/900 (78%)			
<b>STATISTICAL TESTS</b>				
POLY 3	P=0.434	P=0.660N	P=0.637	P=0.566
POLY 1.5	P=0.363	P=0.639	P=0.533	P=0.474
POLY 6	P=0.537	P=0.630N	P=0.689N	P=0.682
COCH-ARM / FISHERS	P=0.278	P=0.500	P=0.357	P=0.357
MAX-ISO-POLY-3	P=0.566	P=0.471N	P=0.443	P=0.365
HISTCONT SAME RTE	P=0.007**	P=0.012*	P=0.009**	P=0.008**
HISTCONT ALL RTES	P=0.022*	P=0.070	P=0.055	P=0.046*
CURR VS HC SAME RTE	P=0.065			
CURR VS HC ALL RTES	P=0.031*			



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

**P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS**

Vinylidene chloride  
**CAS Number:** 75-35-4

**Date Report Requested:** 08/26/2013  
**Time Report Requested:** 12:08:14  
**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.
- (h) Historical Controls statistic is not calculated when the HC Poly-3 rate is higher than the Poly-3 rates for all dose groups.
- (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 \*\*\*