

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

**P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS**

p-Chloro-a,a,a-trifluorotoluene

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

**Date Report Requested:** 03/15/2016

**Time Report Requested:** 08:52:04

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

**Lab:** BNW

F1\_M3

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

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

**P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS**  
p-Chloro-a,a,a-trifluorotoluene  
**CAS Number:** 98-56-6

**Date Report Requested:** 03/15/2016  
**Time Report Requested:** 08:52:04  
**First Dose M/F:** 01/31/11 / 01/31/11  
**Lab:** BNW

**HISTORICAL CONTROL STUDIES**  
From July 2015 report

**SAME ROUTE**

20601-04 -- Antimony trioxide (INHALATION AIR)  
60311-06 -- Cobalt (INHALATION AIR)  
20515-04 -- Metal Working Fluids: CIMSTAR 3800 (INHALATION AIR)  
20523-04 -- Metal Working Fluids: TRIM® VX (INHALATION AIR)

**ALL ROUTES**

20601-04 -- Antimony trioxide (INHALATION AIR)  
60311-06 -- Cobalt (INHALATION AIR)  
20203-04 -- Green Tea Extract (GAVAGE WATER)  
20006-04 -- Indole-3-carbinol (GAVAGE CORN OIL)  
20515-04 -- Metal Working Fluids: CIMSTAR 3800 (INHALATION AIR)  
20523-04 -- Metal Working Fluids: TRIM® VX (INHALATION AIR)  
20209-04 -- Pentabromodiphenyl Ether Mixture [DE-71 (Technical Grade)] (GAVAGE CORN OIL)  
20320-04 -- Tetrabromobisphenol A (GAVAGE CORN OIL)  
96014-06 -- Water disinfection byproducts (Bromodichloroacetic Acid) (ORAL WATER)

**Experiment Number:** 10472 - 04

**Test Type:** CHRONIC

**Route:** RESPIRATORY EXPOSURE WHOLE BODY

**Species/Strain:** MICE/B6C3F1

**P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS**

p-Chloro-a,a,a-trifluorotoluene

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

**Date Report Requested:** 03/15/2016

**Time Report Requested:** 08:52:04

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

**Lab:** BNW

**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.**

Liver

Lung

Ovary

Pituitary Gland

Spleen

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

P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS  
p-Chloro-a,a,a-trifluorotoluene  
CAS Number: 98-56-6

Date Report Requested: 03/15/2016  
Time Report Requested: 08:52:04  
First Dose M/F: 01/31/11 / 01/31/11  
Lab: BNW

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

### MALE MICE

#### Organ

Liver

Lung

All Organs

#### Morphology

Hepatoblastoma  
Hepatocellular Carcinoma  
Hepatocellular Carcinoma or Hepatoblastoma  
Hepatocellular Carcinoma or Hepatocellular Adenoma  
Hepatocellular Carcinoma, Hepatocellular Adenoma, or Hepatoblastoma  
Hepatocholangiocarcinoma  
Alveolar/Bronchiolar Adenoma  
Alveolar/Bronchiolar Carcinoma or Alveolar/Bronchiolar Adenoma  
Malignant Lymphoma: Histiocytic, Lymphocytic, Mixed, NOS, or Undifferentiated Cell Type  
Malignant Tumors  
Malignant and Benign Tumors

### FEMALE MICE

#### Organ

Harderian Gland

Liver

Lung

Pituitary Gland: Pars Distalis or Unspecified Site

Skeletal Muscle

Skin

All Organs

#### Morphology

Adenoma  
Carcinoma  
Carcinoma or Adenoma  
Hepatoblastoma  
Hepatocellular Adenoma  
Hepatocellular Carcinoma  
Hepatocellular Carcinoma or Hepatoblastoma  
Hepatocellular Carcinoma or Hepatocellular Adenoma  
Hepatocellular Carcinoma, Hepatocellular Adenoma, or Hepatoblastoma  
Alveolar/Bronchiolar Carcinoma  
Adenoma  
Rhabdomyosarcoma  
Fibrosarcoma  
Malignant Lymphoma: Histiocytic, Lymphocytic, Mixed, NOS, or Undifferentiated Cell Type  
Benign Tumors  
Malignant Tumors  
Malignant and Benign Tumors

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

P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS  
 p-Chloro-a,a,a-trifluorotoluene  
 CAS Number: 98-56-6

Date Report Requested: 03/15/2016  
 Time Report Requested: 08:52:04  
 First Dose M/F: 01/31/11 / 01/31/11  
 Lab: BNW

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

DOSE	Males			
	Control	100 ppm	200 ppm	400 ppm
<b>Harderian Gland Adenoma</b>				
<b>TUMOR RATES</b>	#	#	#	#
OVERALL (a)	5/50 (10%)	4/50 (8%)	4/50 (8%)	8/50 (16%)
POLY-3 RATE (b)	5/46.66	4/47.37	4/44.73	8/42.40
POLY-3 PERCENT (g)	10.7%	8.4%	8.9%	18.9%
TERMINAL (d)	3/40 (8%)	4/40 (10%)	3/35 (9%)	6/28 (21%)
FIRST INCIDENCE	640	729 (T)	631	643
HC TUMORS SAME ROUTE	23/200 (12%)			
HC TUMORS ALL ROUTES	54/450 (12%)			
<b>STATISTICAL TESTS</b>				
POLY 3	P=0.125	P=0.491N	P=0.526N	P=0.216
POLY 1.5	P=0.141	P=0.493N	P=0.516N	P=0.243
POLY 6	P=0.104	P=0.493N	P=0.539N	P=0.177
COCH-ARM / FISHERS	P=0.165	P=0.500N	P=0.500N	P=0.277
MAX-ISO-POLY-3	P=0.147	P=0.355N	P=0.389N	P=0.149
HISTCONT SAME RTE	P=0.089	P=1.000	P=1.000	P=0.066
HISTCONT ALL RTES	P=0.088	P=1.000	P=1.000	P=0.035*
CURR VS HC SAME RTE	P=0.746			
CURR VS HC ALL RTES	P=0.560			

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

P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS  
 p-Chloro-a,a,a-trifluorotoluene  
 CAS Number: 98-56-6

Date Report Requested: 03/15/2016  
 Time Report Requested: 08:52:04  
 First Dose M/F: 01/31/11 / 01/31/11  
 Lab: BNW

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

DOSE	Males			
	Control	100 ppm	200 ppm	400 ppm
<b>Harderian Gland Carcinoma</b>				
<b>TUMOR RATES</b>	#	#	#	#
OVERALL (a)	1/50 (2%)	3/50 (6%)	0/50 (0%)	0/50 (0%)
POLY-3 RATE (b)	1/46.18	3/47.40	0/44.38	0/41.81
POLY-3 PERCENT (g)	2.2%	6.3%	0%	0%
TERMINAL (d)	1/40 (3%)	2/40 (5%)	0/35 (0%)	0/28 (0%)
FIRST INCIDENCE	729 (T)	721	---	---
HC TUMORS SAME ROUTE	10/200 (5%)			
HC TUMORS ALL ROUTES	14/450 (3%)			
<b>STATISTICAL TESTS</b>				
POLY 3	P=0.166N	P=0.315	P=0.508N	P=0.520N
POLY 1.5	P=0.159N	P=0.312	P=0.505N	P=0.511N
POLY 6	P=0.177N	P=0.316	P=0.511N	P=0.534N
COCH-ARM / FISHERS	P=0.153N	P=0.309	P=0.500N	P=0.500N
MAX-ISO-POLY-3	P=0.157N	P=0.164	P=0.168N	P=0.183N
HISTCONT SAME RTE	P=1.000	P=1.000	P=1.000	P=1.000
HISTCONT ALL RTES	P=1.000	P=0.236	P=1.000	P=1.000
CURR VS HC SAME RTE	P=0.380			
CURR VS HC ALL RTES	P=0.621			

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

P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS  
 p-Chloro-a,a,a-trifluorotoluene  
 CAS Number: 98-56-6

Date Report Requested: 03/15/2016  
 Time Report Requested: 08:52:04  
 First Dose M/F: 01/31/11 / 01/31/11  
 Lab: BNW

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

DOSE	Males			
	Control	100 ppm	200 ppm	400 ppm
<b>Harderian Gland Carcinoma or Adenoma</b>				
<b>TUMOR RATES</b>	#	#	#	#
OVERALL (a)	6/50 (12%)	7/50 (14%)	4/50 (8%)	8/50 (16%)
POLY-3 RATE (b)	6/46.66	7/47.40	4/44.73	8/42.40
POLY-3 PERCENT (g)	12.9%	14.8%	8.9%	18.9%
TERMINAL (d)	4/40 (10%)	6/40 (15%)	3/35 (9%)	6/28 (21%)
FIRST INCIDENCE	640	721	631	643
HC TUMORS SAME ROUTE	33/200 (17%)			
HC TUMORS ALL ROUTES	68/450 (15%)			
<b>STATISTICAL TESTS</b>				
POLY 3	P=0.302	P=0.512	P=0.396N	P=0.314
POLY 1.5	P=0.332	P=0.509	P=0.386N	P=0.347
POLY 6	P=0.260	P=0.510	P=0.409N	P=0.265
COCH-ARM / FISHERS	P=0.372	P=0.500	P=0.370N	P=0.387
MAX-ISO-POLY-3	P=0.318	P=0.394	P=0.280N	P=0.230
HISTCONT SAME RTE	P=0.528	P=1.000	P=1.000	P=1.000
HISTCONT ALL RTES	P=0.465	P=1.000	P=1.000	P=0.429
CURR VS HC SAME RTE	P=0.428			
CURR VS HC ALL RTES	P=0.448			

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

P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS  
 p-Chloro-a,a,a-trifluorotoluene  
 CAS Number: 98-56-6

Date Report Requested: 03/15/2016  
 Time Report Requested: 08:52:04  
 First Dose M/F: 01/31/11 / 01/31/11  
 Lab: BNW

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

DOSE	Males			
	Control	100 ppm	200 ppm	400 ppm
<b>Intestine Small: Site Unspecified Adenoma</b>				
<b>TUMOR RATES</b>	#	#	#	#
OVERALL (a)	0/50 (0%)	0/50 (0%)	1/50 (2%)	2/50 (4%)
POLY-3 RATE (b)	0/46.18	0/47.37	1/44.38	2/41.81
POLY-3 PERCENT (g)	0%	0%	2.3%	4.8%
TERMINAL (d)	0/40 (0%)	0/40 (0%)	1/35 (3%)	2/28 (7%)
FIRST INCIDENCE	---	---	729 (T)	729 (T)
HC TUMORS SAME ROUTE	7/200 (4%)			
HC TUMORS ALL ROUTES	12/450 (3%)			
<b>STATISTICAL TESTS</b>				
POLY 3	P=0.059	(e)	P=0.492	P=0.216
POLY 1.5	P=0.063	(e)	P=0.495	P=0.226
POLY 6	P=0.052	(e)	P=0.489	P=0.201
COCH-ARM / FISHERS	P=0.070	(e)	P=0.500	P=0.247
MAX-ISO-POLY-3	P=0.077	(e)	P=0.158	P=0.076
HISTCONT SAME RTE	P=0.343	(e)	P=1.000	P=1.000
HISTCONT ALL RTEs	P=0.363	(e)	P=1.000	P=0.413
CURR VS HC SAME RTE	P=0.132			
CURR VS HC ALL RTEs	P=0.171			



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

P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS  
 p-Chloro-a,a,a-trifluorotoluene  
 CAS Number: 98-56-6

Date Report Requested: 03/15/2016  
 Time Report Requested: 08:52:04  
 First Dose M/F: 01/31/11 / 01/31/11  
 Lab: BNW

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

DOSE	Males			
	Control	100 ppm	200 ppm	400 ppm
<b>Intestine Small: Site Unspecified Carcinoma or Adenoma</b>				
<b>TUMOR RATES</b>	#	#	#	#
OVERALL (a)	1/50 (2%)	0/50 (0%)	1/50 (2%)	3/50 (6%)
POLY-3 RATE (b)	1/46.18	0/47.37	1/44.38	3/42.63
POLY-3 PERCENT (g)	2.2%	0%	2.3%	7%
TERMINAL (d)	1/40 (3%)	0/40 (0%)	1/35 (3%)	2/28 (7%)
FIRST INCIDENCE	729 (T)	---	729 (T)	415
HC TUMORS SAME ROUTE	8/200 (4%)			
HC TUMORS ALL ROUTES	18/450 (4%)			
<b>STATISTICAL TESTS</b>				
POLY 3	P=0.084	P=0.495N	P=0.752	P=0.277
POLY 1.5	P=0.089	P=0.497N	P=0.755	P=0.291
POLY 6	P=0.077	P=0.494N	P=0.748	P=0.255
COCH-ARM / FISHERS	P=0.097	P=0.500N	P=0.753N	P=0.309
MAX-ISO-POLY-3	P=0.079	P=0.159N	P=0.488	P=0.144
HISTCONT SAME RTE	P=0.194	P=1.000	P=1.000	P=0.242
HISTCONT ALL RTES	P=0.262	P=1.000	P=1.000	P=0.272
CURR VS HC SAME RTE	P=0.487			
CURR VS HC ALL RTES	P=0.432			

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

P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS  
 p-Chloro-a,a,a-trifluorotoluene  
 CAS Number: 98-56-6

Date Report Requested: 03/15/2016  
 Time Report Requested: 08:52:04  
 First Dose M/F: 01/31/11 / 01/31/11  
 Lab: BNW

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

DOSE	Males			
	Control	100 ppm	200 ppm	400 ppm
<b>Liver</b>				
<b>Hemangiosarcoma</b>				
<b>TUMOR RATES</b>				
OVERALL (a)	0/50 (0%)	2/50 (4%)	1/50 (2%)	1/50 (2%)
POLY-3 RATE (b)	0/46.18	2/47.37	1/44.38	1/41.81
POLY-3 PERCENT (g)	0%	4.2%	2.3%	2.4%
TERMINAL (d)	0/40 (0%)	2/40 (5%)	1/35 (3%)	1/28 (4%)
FIRST INCIDENCE	---	729 (T)	729 (T)	729 (T)
HC TUMORS SAME ROUTE	4/200 (2%)			
HC TUMORS ALL ROUTES	12/450 (3%)			
<b>STATISTICAL TESTS</b>				
POLY 3	P=0.454	P=0.243	P=0.492	P=0.480
POLY 1.5	P=0.475	P=0.241	P=0.495	P=0.489
POLY 6	P=0.421	P=0.244	P=0.489	P=0.466
COCH-ARM / FISHERS	P=0.500	P=0.247	P=0.500	P=0.500
MAX-ISO-POLY-3	P=0.300	P=0.081	P=0.158	P=0.158
HISTCONT SAME RTE	P=0.670	P=0.408	P=1.000	P=1.000
HISTCONT ALL RTES	P=1.000	P=1.000	P=1.000	P=1.000
CURR VS HC SAME RTE	P=0.476			
CURR VS HC ALL RTES	P=0.244			

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

P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS  
 p-Chloro-a,a,a-trifluorotoluene  
 CAS Number: 98-56-6

Date Report Requested: 03/15/2016  
 Time Report Requested: 08:52:04  
 First Dose M/F: 01/31/11 / 01/31/11  
 Lab: BNW

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

DOSE	Males			
	Control	100 ppm	200 ppm	400 ppm
<b>Liver</b>				
<b>Hepatoblastoma</b>				
<b>TUMOR RATES</b>				
OVERALL (a)	1/50 (2%)	1/50 (2%)	1/50 (2%)	15/50 (30%)
POLY-3 RATE (b)	1/46.65	1/47.37	1/44.38	15/43.36
POLY-3 PERCENT (g)	2.1%	2.1%	2.3%	34.6%
TERMINAL (d)	0/40 (0%)	1/40 (3%)	1/35 (3%)	8/28 (29%)
FIRST INCIDENCE	591	729 (T)	729 (T)	638
HC TUMORS SAME ROUTE	4/200 (2%)			
HC TUMORS ALL ROUTES	16/450 (4%)			
<b>STATISTICAL TESTS</b>				
POLY 3	P<0.001**	P=0.757N	P=0.749	P<0.001**
POLY 1.5	P<0.001**	P=0.758N	P=0.754	P<0.001**
POLY 6	P<0.001**	P=0.758N	P=0.744	P<0.001**
COCH-ARM / FISHERS	P<0.001**	P=0.753N	P=0.753N	P<0.001**
MAX-ISO-POLY-3	P<0.001**	P=0.495N	P=0.485	P<0.001**
HISTCONT SAME RTE	P=0.007**	P=1.000	P=1.000	P=0.005**
HISTCONT ALL RTES	P<0.001**	P=1.000	P=1.000	P<0.001**
CURR VS HC SAME RTE	P=0.976			
CURR VS HC ALL RTES	P=0.515			

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

P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS  
 p-Chloro-a,a,a-trifluorotoluene  
 CAS Number: 98-56-6

Date Report Requested: 03/15/2016  
 Time Report Requested: 08:52:04  
 First Dose M/F: 01/31/11 / 01/31/11  
 Lab: BNW

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

DOSE	Males			
	Control	100 ppm	200 ppm	400 ppm
<b>Liver</b>				
<b>Hepatocellular Adenoma</b>				
<b>TUMOR RATES</b>				
OVERALL (a)	25/50 (50%)	24/50 (48%)	31/50 (62%)	29/50 (58%)
POLY-3 RATE (b)	25/47.14	24/47.78	31/45.53	29/45.09
POLY-3 PERCENT (g)	53%	50.2%	68.1%	64.3%
TERMINAL (d)	23/40 (58%)	21/40 (53%)	27/35 (77%)	18/28 (64%)
FIRST INCIDENCE	424	660	551	477
HC TUMORS SAME ROUTE	105/200 (53%)			
HC TUMORS ALL ROUTES	260/450 (58%)			
<b>STATISTICAL TESTS</b>				
POLY 3	P=0.079	P=0.473N	P=0.096	P=0.181
POLY 1.5	P=0.108	P=0.483N	P=0.114	P=0.218
POLY 6	P=0.052	P=0.463N	P=0.082	P=0.140
COCH-ARM / FISHERS	P=0.163	P=0.500N	P=0.157	P=0.274
MAX-ISO-POLY-3	P=0.120	P=0.390N	P=0.067	P=0.134
HISTCONT SAME RTE	P=0.089	P=1.000	P=0.049*	P=0.100
HISTCONT ALL RTES	P=0.586	P=1.000	P=0.328	P=0.492
CURR VS HC SAME RTE	P=0.795			
CURR VS HC ALL RTES	P=0.204			

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

P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS  
 p-Chloro-a,a,a-trifluorotoluene  
 CAS Number: 98-56-6

Date Report Requested: 03/15/2016  
 Time Report Requested: 08:52:04  
 First Dose M/F: 01/31/11 / 01/31/11  
 Lab: BNW

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

DOSE	Males			
	Control	100 ppm	200 ppm	400 ppm
<b>Liver</b>				
<b>Hepatocellular Carcinoma</b>				
<b>TUMOR RATES</b>				
OVERALL (a)	8/50 (16%)	19/50 (38%)	16/50 (32%)	35/50 (70%)
POLY-3 RATE (b)	8/46.98	19/49.23	16/46.87	35/46.48
POLY-3 PERCENT (g)	17%	38.6%	34.1%	75.3%
TERMINAL (d)	6/40 (15%)	12/40 (30%)	8/35 (23%)	22/28 (79%)
FIRST INCIDENCE	488	605	523	548
HC TUMORS SAME ROUTE	72/200 (36%)			
HC TUMORS ALL ROUTES	140/450 (31%)			
<b>STATISTICAL TESTS</b>				
POLY 3	P<0.001**	P=0.015*	P=0.046*	P<0.001**
POLY 1.5	P<0.001**	P=0.013*	P=0.046*	P<0.001**
POLY 6	P<0.001**	P=0.018*	P=0.048*	P<0.001**
COCH-ARM / FISHERS	P<0.001**	P=0.012*	P=0.050*	P<0.001**
MAX-ISO-POLY-3	P<0.001**	P=0.009**	P=0.027*	P<0.001**
HISTCONT SAME RTE	P=0.027*	P=0.478	P=1.000	P=0.015*
HISTCONT ALL RTES	P=0.002**	P=0.284	P=1.000	P<0.001**
CURR VS HC SAME RTE	P=0.032*			
CURR VS HC ALL RTES	P=0.021*			

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

P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS  
 p-Chloro-a,a,a-trifluorotoluene  
 CAS Number: 98-56-6

Date Report Requested: 03/15/2016  
 Time Report Requested: 08:52:04  
 First Dose M/F: 01/31/11 / 01/31/11  
 Lab: BNW

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

DOSE	Males			
	Control	100 ppm	200 ppm	400 ppm
<b>Liver</b>				
<b>Hepatocellular Carcinoma or Hepatoblastoma</b>				
<b>TUMOR RATES</b>				
OVERALL (a)	9/50 (18%)	20/50 (40%)	16/50 (32%)	41/50 (82%)
POLY-3 RATE (b)	9/47.45	20/49.23	16/46.87	41/47.47
POLY-3 PERCENT (g)	19%	40.6%	34.1%	86.4%
TERMINAL (d)	6/40 (15%)	13/40 (33%)	8/35 (23%)	24/28 (86%)
FIRST INCIDENCE	488	605	523	548
HC TUMORS SAME ROUTE	75/200 (38%)			
HC TUMORS ALL ROUTES	152/450 (34%)			
<b>STATISTICAL TESTS</b>				
POLY 3	P<0.001**	P=0.016*	P=0.074	P<0.001**
POLY 1.5	P<0.001**	P=0.014*	P=0.075	P<0.001**
POLY 6	P<0.001**	P=0.018*	P=0.075	P<0.001**
COCH-ARM / FISHERS	P<0.001**	P=0.013*	P=0.083	P<0.001**
MAX-ISO-POLY-3	P<0.001**	P=0.010**	P=0.047*	P<0.001**
HISTCONT SAME RTE	P=0.019*	P=0.460	P=1.000	P=0.009**
HISTCONT ALL RTES	P<0.001**	P=0.325	P=1.000	P<0.001**
CURR VS HC SAME RTE	P=0.044*			
CURR VS HC ALL RTES	P=0.017*			

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

P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS  
 p-Chloro-a,a,a-trifluorotoluene  
 CAS Number: 98-56-6

Date Report Requested: 03/15/2016  
 Time Report Requested: 08:52:04  
 First Dose M/F: 01/31/11 / 01/31/11  
 Lab: BNW

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

DOSE	Males			
	Control	100 ppm	200 ppm	400 ppm
<b>Liver</b>				
<b>Hepatocellular Carcinoma or Hepatocellular Adenoma</b>				
<b>TUMOR RATES</b>				
OVERALL (a)	30/50 (60%)	36/50 (72%)	40/50 (80%)	48/50 (96%)
POLY-3 RATE (b)	30/47.94	36/49.39	40/47.47	48/48.69
POLY-3 PERCENT (g)	62.6%	72.9%	84.3%	98.6%
TERMINAL (d)	26/40 (65%)	27/40 (68%)	30/35 (86%)	28/28 (100%)
FIRST INCIDENCE	424	605	523	477
HC TUMORS SAME ROUTE	143/200 (72%)			
HC TUMORS ALL ROUTES	330/450 (73%)			
<b>STATISTICAL TESTS</b>				
POLY 3	P<0.001**	P=0.189	P=0.011*	P<0.001**
POLY 1.5	P<0.001**	P=0.167	P=0.013*	P<0.001**
POLY 6	P<0.001**	P=0.230	P=0.012*	P<0.001**
COCH-ARM / FISHERS	P<0.001**	P=0.146	P=0.024*	P<0.001**
MAX-ISO-POLY-3	P<0.001**	P=0.138	P=0.006**	P<0.001**
HISTCONT SAME RTE	P=0.007**	P=1.000	P=0.057	P=0.012*
HISTCONT ALL RTES	P=0.006**	P=1.000	P=0.152	P=0.004**
CURR VS HC SAME RTE	P=0.186			
CURR VS HC ALL RTES	P=0.031*			

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

P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS  
 p-Chloro-a,a,a-trifluorotoluene  
 CAS Number: 98-56-6

Date Report Requested: 03/15/2016  
 Time Report Requested: 08:52:04  
 First Dose M/F: 01/31/11 / 01/31/11  
 Lab: BNW

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

DOSE	Males			
	Control	100 ppm	200 ppm	400 ppm
<b>Liver</b>				
<b>Hepatocellular Carcinoma, Hepatocellular Adenoma, or Hepatoblastoma</b>				
<b>TUMOR RATES</b>				
OVERALL (a)	31/50 (62%)	37/50 (74%)	40/50 (80%)	48/50 (96%)
POLY-3 RATE (b)	31/48.40	37/49.39	40/47.47	48/48.69
POLY-3 PERCENT (g)	64.1%	74.9%	84.3%	98.6%
TERMINAL (d)	26/40 (65%)	28/40 (70%)	30/35 (86%)	28/28 (100%)
FIRST INCIDENCE	424	605	523	477
HC TUMORS SAME ROUTE	144/200 (72%)			
HC TUMORS ALL ROUTES	332/450 (74%)			
<b>STATISTICAL TESTS</b>				
POLY 3	P<0.001**	P=0.169	P=0.017*	P<0.001**
POLY 1.5	P<0.001**	P=0.155	P=0.021*	P<0.001**
POLY 6	P<0.001**	P=0.197	P=0.016*	P<0.001**
COCH-ARM / FISHERS	P<0.001**	P=0.142	P=0.038*	P<0.001**
MAX-ISO-POLY-3	P<0.001**	P=0.121	P=0.010**	P<0.001**
HISTCONT SAME RTE	P=0.007**	P=0.435	P=0.070	P=0.013*
HISTCONT ALL RTES	P=0.006**	P=1.000	P=0.171	P=0.004**
CURR VS HC SAME RTE	P=0.234			
CURR VS HC ALL RTES	P=0.040*			



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

P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS  
 p-Chloro-a,a,a-trifluorotoluene  
 CAS Number: 98-56-6

Date Report Requested: 03/15/2016  
 Time Report Requested: 08:52:04  
 First Dose M/F: 01/31/11 / 01/31/11  
 Lab: BNW

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

DOSE	Males			
	Control	100 ppm	200 ppm	400 ppm
<b>Liver</b>				
<b>Hepatocholangiocarcinoma</b>				
<b>TUMOR RATES</b>				
OVERALL (a)	3/50 (6%)	2/50 (4%)	0/50 (0%)	0/50 (0%)
POLY-3 RATE (b)	3/47.43	2/47.98	0/44.38	0/41.81
POLY-3 PERCENT (g)	6.3%	4.2%	0%	0%
TERMINAL (d)	0/40 (0%)	1/40 (3%)	0/35 (0%)	0/28 (0%)
FIRST INCIDENCE	591	531	---	---
HC TUMORS SAME ROUTE	1/200 (1%)			
HC TUMORS ALL ROUTES	1/450 (0%)			
<b>STATISTICAL TESTS</b>				
POLY 3	P=0.044N*	P=0.495N	P=0.131N	P=0.143N
POLY 1.5	P=0.042N*	P=0.495N	P=0.126N	P=0.132N
POLY 6	P=0.048N*	P=0.498N	P=0.138N	P=0.162N
COCH-ARM / FISHERS	P=0.039N*	P=0.500N	P=0.121N	P=0.121N
MAX-ISO-POLY-3	P=0.068N	P=0.320N	P=0.049N*	P=0.059N
HISTCONT SAME RTE	P=0.541	P=0.077	P=1.000	P=1.000
HISTCONT ALL RTES	P=0.365	P=0.005**	P=1.000	P=1.000
CURR VS HC SAME RTE	P=0.014*			
CURR VS HC ALL RTES	P<0.001**			

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

P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS  
 p-Chloro-a,a,a-trifluorotoluene  
 CAS Number: 98-56-6

Date Report Requested: 03/15/2016  
 Time Report Requested: 08:52:04  
 First Dose M/F: 01/31/11 / 01/31/11  
 Lab: BNW

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

DOSE	Males			
	Control	100 ppm	200 ppm	400 ppm
<b>Lung</b>				
<b>Alveolar/Bronchiolar Adenoma</b>				
<b>TUMOR RATES</b>				
OVERALL (a)	11/50 (22%)	11/50 (22%)	9/50 (18%)	3/50 (6%)
POLY-3 RATE (b)	11/46.21	11/47.37	9/44.68	3/41.81
POLY-3 PERCENT (g)	23.8%	23.2%	20.1%	7.2%
TERMINAL (d)	10/40 (25%)	11/40 (28%)	8/35 (23%)	3/28 (11%)
FIRST INCIDENCE	723	729 (T)	647	729 (T)
HC TUMORS SAME ROUTE	28/200 (14%)			
HC TUMORS ALL ROUTES	68/450 (15%)			
<b>STATISTICAL TESTS</b>				
POLY 3	P=0.023N*	P=0.570N	P=0.433N	P=0.031N*
POLY 1.5	P=0.018N*	P=0.578N	P=0.422N	P=0.025N*
POLY 6	P=0.035N*	P=0.567N	P=0.446N	P=0.042N*
COCH-ARM / FISHERS	P=0.013N*	P=0.595N	P=0.402N	P=0.020N*
MAX-ISO-POLY-3	P=0.036N*	P=0.473N	P=0.339N	P=0.019N*
HISTCONT SAME RTE	P=0.628	P=0.074	P=0.186	P=1.000
HISTCONT ALL RTES	P=0.780	P=0.181	P=0.371	P=1.000
CURR VS HC SAME RTE	P=0.152			
CURR VS HC ALL RTES	P=0.269			

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

P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS  
 p-Chloro-a,a,a-trifluorotoluene  
 CAS Number: 98-56-6

Date Report Requested: 03/15/2016  
 Time Report Requested: 08:52:04  
 First Dose M/F: 01/31/11 / 01/31/11  
 Lab: BNW

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

DOSE	Males			
	Control	100 ppm	200 ppm	400 ppm
<b>Lung</b>				
<b>Alveolar/Bronchiolar Carcinoma</b>				
<b>TUMOR RATES</b>				
OVERALL (a)	6/50 (12%)	4/50 (8%)	3/50 (6%)	3/50 (6%)
POLY-3 RATE (b)	6/46.18	4/47.49	3/44.38	3/42.16
POLY-3 PERCENT (g)	13%	8.4%	6.8%	7.1%
TERMINAL (d)	6/40 (15%)	3/40 (8%)	3/35 (9%)	2/28 (7%)
FIRST INCIDENCE	729 (T)	698	729 (T)	632
HC TUMORS SAME ROUTE	33/200 (17%)			
HC TUMORS ALL ROUTES	55/450 (12%)			
<b>STATISTICAL TESTS</b>				
POLY 3	P=0.229N	P=0.352N	P=0.262N	P=0.289N
POLY 1.5	P=0.212N	P=0.358N	P=0.255N	P=0.267N
POLY 6	P=0.255N	P=0.348N	P=0.270N	P=0.325N
COCH-ARM / FISHERS	P=0.189N	P=0.370N	P=0.243N	P=0.243N
MAX-ISO-POLY-3	P=0.279N	P=0.242N	P=0.167N	P=0.192N
HISTCONT SAME RTE	(h)	(h)	(h)	(h)
HISTCONT ALL RTES	(h)	(h)	(h)	(h)
CURR VS HC SAME RTE	P=0.490			
CURR VS HC ALL RTES	P=0.870			

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

P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS  
 p-Chloro-a,a,a-trifluorotoluene  
 CAS Number: 98-56-6

Date Report Requested: 03/15/2016  
 Time Report Requested: 08:52:04  
 First Dose M/F: 01/31/11 / 01/31/11  
 Lab: BNW

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

DOSE	Males			
	Control	100 ppm	200 ppm	400 ppm
<b>Lung</b>				
<b>Alveolar/Bronchiolar Carcinoma or Alveolar/Bronchiolar Adenoma</b>				
<b>TUMOR RATES</b>				
OVERALL (a)	17/50 (34%)	14/50 (28%)	11/50 (22%)	6/50 (12%)
POLY-3 RATE (b)	17/46.21	14/47.49	11/44.68	6/42.16
POLY-3 PERCENT (g)	36.8%	29.5%	24.6%	14.2%
TERMINAL (d)	16/40 (40%)	13/40 (33%)	10/35 (29%)	5/28 (18%)
FIRST INCIDENCE	723	698	647	632
HC TUMORS SAME ROUTE	56/200 (28%)			
HC TUMORS ALL ROUTES	117/450 (26%)			
<b>STATISTICAL TESTS</b>				
POLY 3	P=0.009N**	P=0.297N	P=0.150N	P=0.013N*
POLY 1.5	P=0.007N**	P=0.309N	P=0.143N	P=0.010N**
POLY 6	P=0.015N*	P=0.288N	P=0.157N	P=0.019N*
COCH-ARM / FISHERS	P=0.005N**	P=0.333N	P=0.133N	P=0.008N**
MAX-ISO-POLY-3	P=0.014N*	P=0.229N	P=0.106N	P=0.009N**
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=0.317			
CURR VS HC ALL RTES	P=0.277			

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

P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS  
 p-Chloro-a,a,a-trifluorotoluene  
 CAS Number: 98-56-6

Date Report Requested: 03/15/2016  
 Time Report Requested: 08:52:04  
 First Dose M/F: 01/31/11 / 01/31/11  
 Lab: BNW

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

DOSE	Males			
	Control	100 ppm	200 ppm	400 ppm
<b>Mesentery</b>				
<b>Hemangiosarcoma</b>				
<b>TUMOR RATES</b>	#	#	#	#
OVERALL (a)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
POLY-3 RATE (b)	0/46.18	0/47.37	0/44.38	0/41.81
POLY-3 PERCENT (g)	0%	0%	0%	0%
TERMINAL (d)	0/40 (0%)	0/40 (0%)	0/35 (0%)	0/28 (0%)
FIRST INCIDENCE	---	---	---	---
HC TUMORS SAME ROUTE	0/200 (0%)			
HC TUMORS ALL ROUTES	0/450 (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: 10472 - 04  
 Test Type: CHRONIC  
 Route: RESPIRATORY EXPOSURE WHOLE BODY  
 Species/Strain: MICE/B6C3F1

P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS  
 p-Chloro-a,a,a-trifluorotoluene  
 CAS Number: 98-56-6

Date Report Requested: 03/15/2016  
 Time Report Requested: 08:52:04  
 First Dose M/F: 01/31/11 / 01/31/11  
 Lab: BNW

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

DOSE	Males			
	Control	100 ppm	200 ppm	400 ppm
<b>Pituitary Gland: Pars Distalis or Unspecified Site Adenoma</b>				
<b>TUMOR RATES</b>				
OVERALL (a)	0/50 (0%)	0/50 (0%)	1/50 (2%)	0/49 (0%)
POLY-3 RATE (b)	0/46.18	0/47.37	1/44.39	0/41.09
POLY-3 PERCENT (g)	0%	0%	2.3%	0%
TERMINAL (d)	0/40 (0%)	0/40 (0%)	0/35 (0%)	0/28 (0%)
FIRST INCIDENCE	---	---	726	---
HC TUMORS SAME ROUTE	1/196 (1%)			
HC TUMORS ALL ROUTES	2/442 (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: 10472 - 04  
 Test Type: CHRONIC  
 Route: RESPIRATORY EXPOSURE WHOLE BODY  
 Species/Strain: MICE/B6C3F1

P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS  
 p-Chloro-a,a,a-trifluorotoluene  
 CAS Number: 98-56-6

Date Report Requested: 03/15/2016  
 Time Report Requested: 08:52:04  
 First Dose M/F: 01/31/11 / 01/31/11  
 Lab: BNW

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

DOSE	Males			
	Control	100 ppm	200 ppm	400 ppm
<b>Skeletal Muscle</b>				
<b>Rhabdomyosarcoma</b>				
<b>TUMOR RATES</b>	#	#	#	#
OVERALL (a)	1/50 (2%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
POLY-3 RATE (b)	1/46.65	0/47.37	0/44.38	0/41.81
POLY-3 PERCENT (g)	2.1%	0%	0%	0%
TERMINAL (d)	0/40 (0%)	0/40 (0%)	0/35 (0%)	0/28 (0%)
FIRST INCIDENCE	591	---	---	---
HC TUMORS SAME ROUTE	0/200 (0%)			
HC TUMORS ALL ROUTES	0/450 (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: 10472 - 04  
 Test Type: CHRONIC  
 Route: RESPIRATORY EXPOSURE WHOLE BODY  
 Species/Strain: MICE/B6C3F1

P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS  
 p-Chloro-a,a,a-trifluorotoluene  
 CAS Number: 98-56-6

Date Report Requested: 03/15/2016  
 Time Report Requested: 08:52:04  
 First Dose M/F: 01/31/11 / 01/31/11  
 Lab: BNW

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

DOSE	Males			
	Control	100 ppm	200 ppm	400 ppm
<b>Skin</b>				
Fibroma, Fibrosarcoma, Sarcoma, Myxoma, Myxosarcoma, or Fibrous Histiocytoma				
<b>TUMOR RATES</b>	#	#	#	#
OVERALL (a)	1/50 (2%)	1/50 (2%)	2/50 (4%)	1/50 (2%)
POLY-3 RATE (b)	1/46.18	1/47.37	2/45.16	1/42.19
POLY-3 PERCENT (g)	2.2%	2.1%	4.4%	2.4%
TERMINAL (d)	1/40 (3%)	1/40 (3%)	1/35 (3%)	0/28 (0%)
FIRST INCIDENCE	729 (T)	729 (T)	444	622
HC TUMORS SAME ROUTE	1/200 (1%)			
HC TUMORS ALL ROUTES	4/450 (1%)			
<b>STATISTICAL TESTS</b>				
POLY 3	P=0.543	P=0.755N	P=0.492	P=0.740
POLY 1.5	P=0.564	P=0.757N	P=0.495	P=0.750
POLY 6	P=0.511	P=0.754N	P=0.488	P=0.725
COCH-ARM / FISHERS	P=0.591	P=0.753N	P=0.500	P=0.753N
MAX-ISO-POLY-3	P=0.573	P=0.492N	P=0.276	P=0.474
HISTCONT SAME RTE	P=0.129	P=0.405	P=0.078	P=0.374
HISTCONT ALL RTES	P=0.085	P=1.000	P=0.038*	P=0.481
CURR VS HC SAME RTE	P=0.186			
CURR VS HC ALL RTES	P=0.475			



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

P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS  
 p-Chloro-a,a,a-trifluorotoluene  
 CAS Number: 98-56-6

Date Report Requested: 03/15/2016  
 Time Report Requested: 08:52:04  
 First Dose M/F: 01/31/11 / 01/31/11  
 Lab: BNW

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

DOSE	Males			
	Control	100 ppm	200 ppm	400 ppm
<b>Skin</b>				
<b>Fibrosarcoma</b>				
<b>TUMOR RATES</b>	#	#	#	#
OVERALL (a)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
POLY-3 RATE (b)	0/46.18	0/47.37	0/44.38	0/41.81
POLY-3 PERCENT (g)	0%	0%	0%	0%
TERMINAL (d)	0/40 (0%)	0/40 (0%)	0/35 (0%)	0/28 (0%)
FIRST INCIDENCE	---	---	---	---
HC TUMORS SAME ROUTE	1/200 (1%)			
HC TUMORS ALL ROUTES	2/450 (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: 10472 - 04  
 Test Type: CHRONIC  
 Route: RESPIRATORY EXPOSURE WHOLE BODY  
 Species/Strain: MICE/B6C3F1

P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS  
 p-Chloro-a,a,a-trifluorotoluene  
 CAS Number: 98-56-6

Date Report Requested: 03/15/2016  
 Time Report Requested: 08:52:04  
 First Dose M/F: 01/31/11 / 01/31/11  
 Lab: BNW

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

DOSE	Males			
	Control	100 ppm	200 ppm	400 ppm
<b>Skin</b>				
Fibrosarcoma, Sarcoma, Myxosarcoma, or Fibrous Histiocytoma				
<b>TUMOR RATES</b>	#	#	#	#
OVERALL (a)	1/50 (2%)	1/50 (2%)	2/50 (4%)	1/50 (2%)
POLY-3 RATE (b)	1/46.18	1/47.37	2/45.16	1/42.19
POLY-3 PERCENT (g)	2.2%	2.1%	4.4%	2.4%
TERMINAL (d)	1/40 (3%)	1/40 (3%)	1/35 (3%)	0/28 (0%)
FIRST INCIDENCE	729 (T)	729 (T)	444	622
HC TUMORS SAME ROUTE	1/200 (1%)			
HC TUMORS ALL ROUTES	4/450 (1%)			
<b>STATISTICAL TESTS</b>				
POLY 3	P=0.543	P=0.755N	P=0.492	P=0.740
POLY 1.5	P=0.564	P=0.757N	P=0.495	P=0.750
POLY 6	P=0.511	P=0.754N	P=0.488	P=0.725
COCH-ARM / FISHERS	P=0.591	P=0.753N	P=0.500	P=0.753N
MAX-ISO-POLY-3	P=0.573	P=0.492N	P=0.276	P=0.474
HISTCONT SAME RTE	P=0.129	P=0.405	P=0.078	P=0.374
HISTCONT ALL RTES	P=0.085	P=1.000	P=0.038*	P=0.481
CURR VS HC SAME RTE	P=0.186			
CURR VS HC ALL RTES	P=0.475			

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

P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS  
 p-Chloro-a,a,a-trifluorotoluene  
 CAS Number: 98-56-6

Date Report Requested: 03/15/2016  
 Time Report Requested: 08:52:04  
 First Dose M/F: 01/31/11 / 01/31/11  
 Lab: BNW

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

DOSE	Males			
	Control	100 ppm	200 ppm	400 ppm
<b>Skin</b>				
<b>Hemangiosarcoma</b>				
<b>TUMOR RATES</b>	#	#	#	#
OVERALL (a)	2/50 (4%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
POLY-3 RATE (b)	2/46.98	0/47.37	0/44.38	0/41.81
POLY-3 PERCENT (g)	4.3%	0%	0%	0%
TERMINAL (d)	1/40 (3%)	0/40 (0%)	0/35 (0%)	0/28 (0%)
FIRST INCIDENCE	424	---	---	---
HC TUMORS SAME ROUTE	0/200 (0%)			
HC TUMORS ALL ROUTES	1/450 (0%)			
<b>STATISTICAL TESTS</b>				
POLY 3	P=0.112N	P=0.235N	P=0.250N	P=0.264N
POLY 1.5	P=0.113N	P=0.236N	P=0.246N	P=0.252N
POLY 6	P=0.110N	P=0.235N	P=0.255N	P=0.283N
COCH-ARM / FISHERS	P=0.115N	P=0.247N	P=0.247N	P=0.247N
MAX-ISO-POLY-3	P=0.056N	P=0.076N	P=0.089N	P=0.101N
HISTCONT SAME RTE	(h)	(h)	(h)	(h)
HISTCONT ALL RTEs	(h)	(h)	(h)	(h)
CURR VS HC SAME RTE	P=0.009**			
CURR VS HC ALL RTEs	P<0.001**			

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

P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS  
 p-Chloro-a,a,a-trifluorotoluene  
 CAS Number: 98-56-6

Date Report Requested: 03/15/2016  
 Time Report Requested: 08:52:04  
 First Dose M/F: 01/31/11 / 01/31/11  
 Lab: BNW

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

DOSE	Males			
	Control	100 ppm	200 ppm	400 ppm
<b>Skin</b>				
<b>Schwannoma Malignant</b>				
<b>TUMOR RATES</b>	#	#	#	#
OVERALL (a)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
POLY-3 RATE (b)	0/46.18	0/47.37	0/44.38	0/41.81
POLY-3 PERCENT (g)	0%	0%	0%	0%
TERMINAL (d)	0/40 (0%)	0/40 (0%)	0/35 (0%)	0/28 (0%)
FIRST INCIDENCE	---	---	---	---
HC TUMORS SAME ROUTE	0/200 (0%)			
HC TUMORS ALL ROUTES	0/450 (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: 10472 - 04  
 Test Type: CHRONIC  
 Route: RESPIRATORY EXPOSURE WHOLE BODY  
 Species/Strain: MICE/B6C3F1

P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS  
 p-Chloro-a,a,a-trifluorotoluene  
 CAS Number: 98-56-6

Date Report Requested: 03/15/2016  
 Time Report Requested: 08:52:04  
 First Dose M/F: 01/31/11 / 01/31/11  
 Lab: BNW

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

DOSE	Males			
	Control	100 ppm	200 ppm	400 ppm
<b>Spleen Hemangiosarcoma</b>				
<b>TUMOR RATES</b>				
OVERALL (a)	1/50 (2%)	2/50 (4%)	3/50 (6%)	1/50 (2%)
POLY-3 RATE (b)	1/46.18	2/47.37	3/44.68	1/41.81
POLY-3 PERCENT (g)	2.2%	4.2%	6.7%	2.4%
TERMINAL (d)	1/40 (3%)	2/40 (5%)	2/35 (6%)	1/28 (4%)
FIRST INCIDENCE	729 (T)	729 (T)	647	729 (T)
HC TUMORS SAME ROUTE	5/198 (3%)			
HC TUMORS ALL ROUTES	12/448 (3%)			
<b>STATISTICAL TESTS</b>				
POLY 3	P=0.564	P=0.509	P=0.294	P=0.738
POLY 1.5	P=0.593	P=0.506	P=0.298	P=0.749
POLY 6	P=0.520	P=0.510	P=0.289	P=0.721
COCH-ARM / FISHERS	P=0.577N	P=0.500	P=0.309	P=0.753N
MAX-ISO-POLY-3	P=0.463	P=0.291	P=0.149	P=0.472
HISTCONT SAME RTE	P=0.487	P=0.467	P=0.189	P=1.000
HISTCONT ALL RTES	P=0.458	P=1.000	P=0.097	P=1.000
CURR VS HC SAME RTE	P=0.874			
CURR VS HC ALL RTES	P=0.729			

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

P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS  
 p-Chloro-a,a,a-trifluorotoluene  
 CAS Number: 98-56-6

Date Report Requested: 03/15/2016  
 Time Report Requested: 08:52:04  
 First Dose M/F: 01/31/11 / 01/31/11  
 Lab: BNW

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

DOSE	Males			
	Control	100 ppm	200 ppm	400 ppm
<b>Stomach, Forestomach Squamous Cell Papilloma</b>				
<b>TUMOR RATES</b>	#	#	#	#
OVERALL (a)	1/50 (2%)	0/50 (0%)	1/50 (2%)	1/50 (2%)
POLY-3 RATE (b)	1/46.18	0/47.37	1/44.38	1/42.19
POLY-3 PERCENT (g)	2.2%	0%	2.3%	2.4%
TERMINAL (d)	1/40 (3%)	0/40 (0%)	1/35 (3%)	0/28 (0%)
FIRST INCIDENCE	729 (T)	---	729 (T)	622
HC TUMORS SAME ROUTE	2/200 (1%)			
HC TUMORS ALL ROUTES	10/450 (2%)			
<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: 10472 - 04  
 Test Type: CHRONIC  
 Route: RESPIRATORY EXPOSURE WHOLE BODY  
 Species/Strain: MICE/B6C3F1

P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS  
 p-Chloro-a,a,a-trifluorotoluene  
 CAS Number: 98-56-6

Date Report Requested: 03/15/2016  
 Time Report Requested: 08:52:04  
 First Dose M/F: 01/31/11 / 01/31/11  
 Lab: BNW

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

DOSE	Males			
	Control	100 ppm	200 ppm	400 ppm
<b>All Organs</b>				
<b>Hemangiosarcoma</b>				
<b>TUMOR RATES</b>	#	#	#	#
OVERALL (a)	2/50 (4%)	3/50 (6%)	5/50 (10%)	2/50 (4%)
POLY-3 RATE (b)	2/46.98	3/47.37	5/44.68	2/41.81
POLY-3 PERCENT (g)	4.3%	6.3%	11.2%	4.8%
TERMINAL (d)	1/40 (3%)	3/40 (8%)	4/35 (11%)	2/28 (7%)
FIRST INCIDENCE	424	729 (T)	647	729 (T)
HC TUMORS SAME ROUTE	10/200 (5%)			
HC TUMORS ALL ROUTES	26/450 (6%)			
<b>STATISTICAL TESTS</b>				
POLY 3	P=0.490	P=0.504	P=0.196	P=0.651
POLY 1.5	P=0.529	P=0.503	P=0.203	P=0.670
POLY 6	P=0.433	P=0.504	P=0.190	P=0.622
COCH-ARM / FISHERS	P=0.580	P=0.500	P=0.218	P=0.691N
MAX-ISO-POLY-3	P=0.403	P=0.328	P=0.111	P=0.454
HISTCONT SAME RTE	P=0.559	P=1.000	P=0.213	P=1.000
HISTCONT ALL RTES	P=0.646	P=1.000	P=0.208	P=1.000
CURR VS HC SAME RTE	P=0.815			
CURR VS HC ALL RTES	P=0.545			

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

P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS  
 p-Chloro-a,a,a-trifluorotoluene  
 CAS Number: 98-56-6

Date Report Requested: 03/15/2016  
 Time Report Requested: 08:52:04  
 First Dose M/F: 01/31/11 / 01/31/11  
 Lab: BNW

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

DOSE	Males			
	Control	100 ppm	200 ppm	400 ppm
<b>All Organs</b>				
<b>Hemangiosarcoma or Hemangioma</b>				
<b>TUMOR RATES</b>	#	#	#	#
OVERALL (a)	2/50 (4%)	3/50 (6%)	6/50 (12%)	2/50 (4%)
POLY-3 RATE (b)	2/46.98	3/47.37	6/44.68	2/41.81
POLY-3 PERCENT (g)	4.3%	6.3%	13.4%	4.8%
TERMINAL (d)	1/40 (3%)	3/40 (8%)	5/35 (14%)	2/28 (7%)
FIRST INCIDENCE	424	729 (T)	647	729 (T)
HC TUMORS SAME ROUTE	11/200 (6%)			
HC TUMORS ALL ROUTES	31/450 (7%)			
<b>STATISTICAL TESTS</b>				
POLY 3	P=0.460	P=0.504	P=0.117	P=0.651
POLY 1.5	P=0.503	P=0.503	P=0.123	P=0.670
POLY 6	P=0.398	P=0.504	P=0.112	P=0.622
COCH-ARM / FISHERS	P=0.558	P=0.500	P=0.134	P=0.691N
MAX-ISO-POLY-3	P=0.319	P=0.328	P=0.064	P=0.454
HISTCONT SAME RTE	P=0.515	P=1.000	P=0.141	P=1.000
HISTCONT ALL RTES	P=0.652	P=1.000	P=0.158	P=1.000
CURR VS HC SAME RTE	P=0.723			
CURR VS HC ALL RTES	P=0.382			



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

P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS  
 p-Chloro-a,a,a-trifluorotoluene  
 CAS Number: 98-56-6

Date Report Requested: 03/15/2016  
 Time Report Requested: 08:52:04  
 First Dose M/F: 01/31/11 / 01/31/11  
 Lab: BNW

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

DOSE	Males			
	Control	100 ppm	200 ppm	400 ppm
<b>All Organs</b>				
<b>Histiocytic Sarcoma</b>				
<b>TUMOR RATES</b>	#	#	#	#
OVERALL (a)	0/50 (0%)	0/50 (0%)	1/50 (2%)	0/50 (0%)
POLY-3 RATE (b)	0/46.18	0/47.37	1/44.64	0/41.81
POLY-3 PERCENT (g)	0%	0%	2.2%	0%
TERMINAL (d)	0/40 (0%)	0/40 (0%)	0/35 (0%)	0/28 (0%)
FIRST INCIDENCE	---	---	659	---
HC TUMORS SAME ROUTE	3/200 (2%)			
HC TUMORS ALL ROUTES	7/450 (2%)			
<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: 10472 - 04  
 Test Type: CHRONIC  
 Route: RESPIRATORY EXPOSURE WHOLE BODY  
 Species/Strain: MICE/B6C3F1

P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS  
 p-Chloro-a,a,a-trifluorotoluene  
 CAS Number: 98-56-6

Date Report Requested: 03/15/2016  
 Time Report Requested: 08:52:04  
 First Dose M/F: 01/31/11 / 01/31/11  
 Lab: BNW

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

DOSE	Males			
	Control	100 ppm	200 ppm	400 ppm
<b>All Organs</b>				
<b>Malignant Lymphoma: Histiocytic, Lymphocytic, Mixed, NOS, or Undifferentiated Cell Type</b>				
<b>TUMOR RATES</b>	#	#	#	#
OVERALL (a)	6/50 (12%)	1/50 (2%)	5/50 (10%)	3/50 (6%)
POLY-3 RATE (b)	6/47.13	1/47.51	5/44.97	3/42.73
POLY-3 PERCENT (g)	12.7%	2.1%	11.1%	7%
TERMINAL (d)	3/40 (8%)	0/40 (0%)	3/35 (9%)	0/28 (0%)
FIRST INCIDENCE	612	691	551	606
HC TUMORS SAME ROUTE	17/200 (9%)			
HC TUMORS ALL ROUTES	32/450 (7%)			
<b>STATISTICAL TESTS</b>				
POLY 3	P=0.396N	P=0.055N	P=0.533N	P=0.293N
POLY 1.5	P=0.372N	P=0.055N	P=0.520N	P=0.269N
POLY 6	P=0.429N	P=0.056N	P=0.550N	P=0.331N
COCH-ARM / FISHERS	P=0.341N	P=0.056N	P=0.500N	P=0.243N
MAX-ISO-POLY-3	P=0.258N	P=0.023N*	P=0.406N	P=0.196N
HISTCONT SAME RTE	P=0.614	P=1.000	P=0.399	P=1.000
HISTCONT ALL RTES	P=0.584	P=1.000	P=0.265	P=1.000
CURR VS HC SAME RTE	P=0.434			
CURR VS HC ALL RTES	P=0.274			

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

P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS  
 p-Chloro-a,a,a-trifluorotoluene  
 CAS Number: 98-56-6

Date Report Requested: 03/15/2016  
 Time Report Requested: 08:52:04  
 First Dose M/F: 01/31/11 / 01/31/11  
 Lab: BNW

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

DOSE	Males			
	Control	100 ppm	200 ppm	400 ppm
<b>All Organs</b>				
<b>Benign Tumors</b>				
<b>TUMOR RATES</b>	#	#	#	#
OVERALL (a)	32/50 (64%)	28/50 (56%)	35/50 (70%)	34/50 (68%)
POLY-3 RATE (b)	32/47.48	28/47.78	35/45.89	34/45.47
POLY-3 PERCENT (g)	67.4%	58.6%	76.3%	74.8%
TERMINAL (d)	28/40 (70%)	25/40 (63%)	29/35 (83%)	22/28 (79%)
FIRST INCIDENCE	424	660	551	477
HC TUMORS SAME ROUTE	143/200 (72%)			
HC TUMORS ALL ROUTES	330/450 (73%)			
<b>STATISTICAL TESTS</b>				
POLY 3	P=0.113	P=0.246N	P=0.227	P=0.282
POLY 1.5	P=0.156	P=0.254N	P=0.261	P=0.338
POLY 6	P=0.072	P=0.242N	P=0.201	P=0.214
COCH-ARM / FISHERS	P=0.234	P=0.270N	P=0.335	P=0.417
MAX-ISO-POLY-3	P=0.145	P=0.184N	P=0.166	P=0.212
HISTCONT SAME RTE	P=0.492	P=1.000	P=0.416	P=1.000
HISTCONT ALL RTES	(h)	(h)	(h)	(h)
CURR VS HC SAME RTE	P=0.341			
CURR VS HC ALL RTES	P=0.079			

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

P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS  
 p-Chloro-a,a,a-trifluorotoluene  
 CAS Number: 98-56-6

Date Report Requested: 03/15/2016  
 Time Report Requested: 08:52:04  
 First Dose M/F: 01/31/11 / 01/31/11  
 Lab: BNW

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

DOSE	Males			
	Control	100 ppm	200 ppm	400 ppm
<b>All Organs</b>				
<b>Malignant Tumors</b>				
<b>TUMOR RATES</b>	#	#	#	#
OVERALL (a)	25/50 (50%)	32/50 (64%)	27/50 (54%)	44/50 (88%)
POLY-3 RATE (b)	25/50.00	32/50.00	27/48.23	44/48.78
POLY-3 PERCENT (g)	50%	64%	56%	90.2%
TERMINAL (d)	15/40 (38%)	22/40 (55%)	16/35 (46%)	24/28 (86%)
FIRST INCIDENCE	424	531	444	415
HC TUMORS SAME ROUTE	119/200 (60%)			
HC TUMORS ALL ROUTES	252/450 (56%)			
<b>STATISTICAL TESTS</b>				
POLY 3	P<0.001**	P=0.113	P=0.348	P<0.001**
POLY 1.5	P<0.001**	P=0.113	P=0.373	P<0.001**
POLY 6	P<0.001**	P=0.113	P=0.324	P<0.001**
COCH-ARM / FISHERS	P<0.001**	P=0.113	P=0.421	P<0.001**
MAX-ISO-POLY-3	P<0.001**	P=0.079	P=0.281	P<0.001**
HISTCONT SAME RTE	P=0.036*	P=0.374	P=1.000	P=0.018*
HISTCONT ALL RTES	P=0.005**	P=0.248	P=1.000	P<0.001**
CURR VS HC SAME RTE	P=0.231			
CURR VS HC ALL RTES	P=0.239			

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

**P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS**

p-Chloro-a,a,a-trifluorotoluene

CAS Number: 98-56-6

Date Report Requested: 03/15/2016

Time Report Requested: 08:52:04

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

Lab: BNW

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

DOSE	Males			
	Control	100 ppm	200 ppm	400 ppm
<b>All Organs</b>				
<b>Malignant and Benign Tumors</b>				
<b>TUMOR RATES</b>	#	#	#	#
OVERALL (a)	44/50 (88%)	47/50 (94%)	46/50 (92%)	49/50 (98%)
POLY-3 RATE (b)	44/50.00	47/50.00	46/48.62	49/49.50
POLY-3 PERCENT (g)	88%	94%	94.6%	99%
TERMINAL (d)	34/40 (85%)	37/40 (93%)	33/35 (94%)	28/28 (100%)
FIRST INCIDENCE	424	531	444	415
HC TUMORS SAME ROUTE	178/200 (89%)			
HC TUMORS ALL ROUTES	410/450 (91%)			
<b>STATISTICAL TESTS</b>				
POLY 3	P=0.021*	P=0.243	P=0.207	P=0.030*
POLY 1.5	P=0.030*	P=0.243	P=0.253	P=0.040*
POLY 6	P=0.014*	P=0.243	P=0.173	P=0.022*
COCH-ARM / FISHERS	P=0.056	P=0.243	P=0.370	P=0.056
MAX-ISO-POLY-3	P=0.014*	P=0.148	P=0.123	P=0.011*
HISTCONT SAME RTE	P=0.011*	P=0.108	P=0.086	P=0.024*
HISTCONT ALL RTES	P=0.105	P=0.455	P=0.397	P=0.093
CURR VS HC SAME RTE	P=0.747			
CURR VS HC ALL RTES	P=0.278			

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

P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS  
 p-Chloro-a,a,a-trifluorotoluene  
 CAS Number: 98-56-6

Date Report Requested: 03/15/2016  
 Time Report Requested: 08:52:04  
 First Dose M/F: 01/31/11 / 01/31/11  
 Lab: BNW

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

DOSE	Females			
	Control	100 ppm	200 ppm	400 ppm
<b>Harderian Gland Adenoma</b>				
<b>TUMOR RATES</b>	#	#	#	#
OVERALL (a)	2/50 (4%)	6/50 (12%)	6/50 (12%)	8/50 (16%)
POLY-3 RATE (b)	2/45.12	6/44.02	6/44.62	8/44.26
POLY-3 PERCENT (g)	4.4%	13.6%	13.5%	18.1%
TERMINAL (d)	2/38 (5%)	5/33 (15%)	5/37 (14%)	4/27 (15%)
FIRST INCIDENCE	731 (T)	576	562	642
HC TUMORS SAME ROUTE	9/200 (5%)			
HC TUMORS ALL ROUTES	30/450 (7%)			
<b>STATISTICAL TESTS</b>				
POLY 3	P=0.049*	P=0.124	P=0.129	P=0.041*
POLY 1.5	P=0.051	P=0.128	P=0.128	P=0.043*
POLY 6	P=0.047*	P=0.119	P=0.131	P=0.039*
COCH-ARM / FISHERS	P=0.054	P=0.134	P=0.134	P=0.046*
MAX-ISO-POLY-3	P=0.039*	P=0.066	P=0.067	P=0.020*
HISTCONT SAME RTE	P=0.009**	P=0.029*	P=0.029*	P=0.015*
HISTCONT ALL RTES	P=0.018*	P=0.132	P=0.137	P=0.026*
CURR VS HC SAME RTE	P=0.859			
CURR VS HC ALL RTES	P=0.473			

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

P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS  
 p-Chloro-a,a,a-trifluorotoluene  
 CAS Number: 98-56-6

Date Report Requested: 03/15/2016  
 Time Report Requested: 08:52:04  
 First Dose M/F: 01/31/11 / 01/31/11  
 Lab: BNW

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

DOSE	Females			
	Control	100 ppm	200 ppm	400 ppm
<b>Harderian Gland Carcinoma</b>				
<b>TUMOR RATES</b>	#	#	#	#
OVERALL (a)	0/50 (0%)	0/50 (0%)	3/50 (6%)	0/50 (0%)
POLY-3 RATE (b)	0/45.12	0/43.51	3/45.23	0/43.19
POLY-3 PERCENT (g)	0%	0%	6.6%	0%
TERMINAL (d)	0/38 (0%)	0/33 (0%)	1/37 (3%)	0/27 (0%)
FIRST INCIDENCE	---	---	480	---
HC TUMORS SAME ROUTE	7/200 (4%)			
HC TUMORS ALL ROUTES	11/450 (2%)			
<b>STATISTICAL TESTS</b>				
POLY 3	P=0.515	(e)	P=0.119	(e)
POLY 1.5	P=0.527	(e)	P=0.118	(e)
POLY 6	P=0.496	(e)	P=0.121	(e)
COCH-ARM / FISHERS	P=0.539	(e)	P=0.121	(e)
MAX-ISO-POLY-3	P=0.176	(e)	P=0.038*	(e)
HISTCONT SAME RTE	P=0.752	(e)	P=0.357	(e)
HISTCONT ALL RTES	P=0.658	(e)	P=0.153	(e)
CURR VS HC SAME RTE	P=0.244			
CURR VS HC ALL RTES	P=0.264			

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

P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS  
 p-Chloro-a,a,a-trifluorotoluene  
 CAS Number: 98-56-6

Date Report Requested: 03/15/2016  
 Time Report Requested: 08:52:04  
 First Dose M/F: 01/31/11 / 01/31/11  
 Lab: BNW

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

DOSE	Females			
	Control	100 ppm	200 ppm	400 ppm
<b>Harderian Gland Carcinoma or Adenoma</b>				
<b>TUMOR RATES</b>	#	#	#	#
OVERALL (a)	2/50 (4%)	6/50 (12%)	9/50 (18%)	8/50 (16%)
POLY-3 RATE (b)	2/45.12	6/44.02	9/45.77	8/44.26
POLY-3 PERCENT (g)	4.4%	13.6%	19.7%	18.1%
TERMINAL (d)	2/38 (5%)	5/33 (15%)	6/37 (16%)	4/27 (15%)
FIRST INCIDENCE	731 (T)	576	480	642
HC TUMORS SAME ROUTE	16/200 (8%)			
HC TUMORS ALL ROUTES	41/450 (9%)			
<b>STATISTICAL TESTS</b>				
POLY 3	P=0.046*	P=0.124	P=0.026*	P=0.041*
POLY 1.5	P=0.048*	P=0.128	P=0.025*	P=0.043*
POLY 6	P=0.044*	P=0.119	P=0.028*	P=0.039*
COCH-ARM / FISHERS	P=0.052	P=0.134	P=0.026*	P=0.046*
MAX-ISO-POLY-3	P=0.037*	P=0.066	P=0.012*	P=0.020*
HISTCONT SAME RTE	P=0.037*	P=0.215	P=0.044*	P=0.066
HISTCONT ALL RTES	P=0.035*	P=0.309	P=0.041*	P=0.079
CURR VS HC SAME RTE	P=0.336			
CURR VS HC ALL RTES	P=0.225			



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

P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS  
 p-Chloro-a,a,a-trifluorotoluene  
 CAS Number: 98-56-6

Date Report Requested: 03/15/2016  
 Time Report Requested: 08:52:04  
 First Dose M/F: 01/31/11 / 01/31/11  
 Lab: BNW

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

DOSE	Females			
	Control	100 ppm	200 ppm	400 ppm
<b>Intestine Small: Site Unspecified Adenoma</b>				
<b>TUMOR RATES</b>	#	#	#	#
OVERALL (a)	1/50 (2%)	0/50 (0%)	0/50 (0%)	1/50 (2%)
POLY-3 RATE (b)	1/45.12	0/43.51	0/44.07	1/43.19
POLY-3 PERCENT (g)	2.2%	0%	0%	2.3%
TERMINAL (d)	1/38 (3%)	0/33 (0%)	0/37 (0%)	1/27 (4%)
FIRST INCIDENCE	731 (T)	---	---	731 (T)
HC TUMORS SAME ROUTE	1/200 (1%)			
HC TUMORS ALL ROUTES	2/450 (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: 10472 - 04  
 Test Type: CHRONIC  
 Route: RESPIRATORY EXPOSURE WHOLE BODY  
 Species/Strain: MICE/B6C3F1

P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS  
 p-Chloro-a,a,a-trifluorotoluene  
 CAS Number: 98-56-6

Date Report Requested: 03/15/2016  
 Time Report Requested: 08:52:04  
 First Dose M/F: 01/31/11 / 01/31/11  
 Lab: BNW

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

DOSE	Females			
	Control	100 ppm	200 ppm	400 ppm
<b>Intestine Small: Site Unspecified Carcinoma or Adenoma</b>				
<b>TUMOR RATES</b>	#	#	#	#
OVERALL (a)	1/50 (2%)	0/50 (0%)	0/50 (0%)	1/50 (2%)
POLY-3 RATE (b)	1/45.12	0/43.51	0/44.07	1/43.19
POLY-3 PERCENT (g)	2.2%	0%	0%	2.3%
TERMINAL (d)	1/38 (3%)	0/33 (0%)	0/37 (0%)	1/27 (4%)
FIRST INCIDENCE	731 (T)	---	---	731 (T)
HC TUMORS SAME ROUTE	2/200 (1%)			
HC TUMORS ALL ROUTES	3/450 (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: 10472 - 04  
 Test Type: CHRONIC  
 Route: RESPIRATORY EXPOSURE WHOLE BODY  
 Species/Strain: MICE/B6C3F1

P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS  
 p-Chloro-a,a,a-trifluorotoluene  
 CAS Number: 98-56-6

Date Report Requested: 03/15/2016  
 Time Report Requested: 08:52:04  
 First Dose M/F: 01/31/11 / 01/31/11  
 Lab: BNW

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

DOSE	Females			
	Control	100 ppm	200 ppm	400 ppm
<b>Liver</b>				
<b>Hemangiosarcoma</b>				
<b>TUMOR RATES</b>				
OVERALL (a)	0/50 (0%)	0/50 (0%)	0/50 (0%)	1/50 (2%)
POLY-3 RATE (b)	0/45.12	0/43.51	0/44.07	1/43.19
POLY-3 PERCENT (g)	0%	0%	0%	2.3%
TERMINAL (d)	0/38 (0%)	0/33 (0%)	0/37 (0%)	1/27 (4%)
FIRST INCIDENCE	---	---	---	731 (T)
HC TUMORS SAME ROUTE	2/200 (1%)			
HC TUMORS ALL ROUTES	5/449 (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: 10472 - 04  
 Test Type: CHRONIC  
 Route: RESPIRATORY EXPOSURE WHOLE BODY  
 Species/Strain: MICE/B6C3F1

P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS  
 p-Chloro-a,a,a-trifluorotoluene  
 CAS Number: 98-56-6

Date Report Requested: 03/15/2016  
 Time Report Requested: 08:52:04  
 First Dose M/F: 01/31/11 / 01/31/11  
 Lab: BNW

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

DOSE	Females			
	Control	100 ppm	200 ppm	400 ppm
<b>Liver</b>				
<b>Hepatoblastoma</b>				
<b>TUMOR RATES</b>				
OVERALL (a)	0/50 (0%)	0/50 (0%)	1/50 (2%)	8/50 (16%)
POLY-3 RATE (b)	0/45.12	0/43.51	1/44.07	8/43.70
POLY-3 PERCENT (g)	0%	0%	2.3%	18.3%
TERMINAL (d)	0/38 (0%)	0/33 (0%)	1/37 (3%)	4/27 (15%)
FIRST INCIDENCE	---	---	731 (T)	673
HC TUMORS SAME ROUTE	2/200 (1%)			
HC TUMORS ALL ROUTES	2/449 (0%)			
<b>STATISTICAL TESTS</b>				
POLY 3	P<0.001**	(e)	P=0.495	P=0.003**
POLY 1.5	P<0.001**	(e)	P=0.496	P=0.003**
POLY 6	P<0.001**	(e)	P=0.496	P=0.003**
COCH-ARM / FISHERS	P<0.001**	(e)	P=0.500	P=0.003**
MAX-ISO-POLY-3	P<0.001**	(e)	P=0.158	P<0.001**
HISTCONT SAME RTE	P=0.009**	(e)	P=1.000	P=0.009**
HISTCONT ALL RTES	P<0.001**	(e)	P=0.277	P<0.001**
CURR VS HC SAME RTE	P=0.383			
CURR VS HC ALL RTES	P=0.468			

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

**P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS**  
 p-Chloro-a,a,a-trifluorotoluene  
 CAS Number: 98-56-6

Date Report Requested: 03/15/2016  
 Time Report Requested: 08:52:04  
 First Dose M/F: 01/31/11 / 01/31/11  
 Lab: BNW

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

DOSE	Females			
	Control	100 ppm	200 ppm	400 ppm
<b>Liver</b>				
<b>Hepatocellular Adenoma</b>				
<b>TUMOR RATES</b>				
OVERALL (a)	12/50 (24%)	14/50 (28%)	24/50 (48%)	34/50 (68%)
POLY-3 RATE (b)	12/45.96	14/43.91	24/44.07	34/46.84
POLY-3 PERCENT (g)	26.1%	31.9%	54.5%	72.6%
TERMINAL (d)	9/38 (24%)	11/33 (33%)	24/37 (65%)	18/27 (67%)
FIRST INCIDENCE	544	685	731 (T)	530
HC TUMORS SAME ROUTE	53/200 (27%)			
HC TUMORS ALL ROUTES	123/449 (27%)			
<b>STATISTICAL TESTS</b>				
POLY 3	P<0.001**	P=0.355	P=0.004**	P<0.001**
POLY 1.5	P<0.001**	P=0.375	P=0.005**	P<0.001**
POLY 6	P<0.001**	P=0.327	P=0.003**	P<0.001**
COCH-ARM / FISHERS	P<0.001**	P=0.410	P=0.011*	P<0.001**
MAX-ISO-POLY-3	P<0.001**	P=0.277	P=0.002**	P<0.001**
HISTCONT SAME RTE	P=0.004**	P=0.442	P=0.024*	P=0.007**
HISTCONT ALL RTES	P=0.004**	P=0.491	P=0.055	P=0.004**
CURR VS HC SAME RTE	P=0.686			
CURR VS HC ALL RTES	P=0.622			

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

P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS  
 p-Chloro-a,a,a-trifluorotoluene  
 CAS Number: 98-56-6

Date Report Requested: 03/15/2016  
 Time Report Requested: 08:52:04  
 First Dose M/F: 01/31/11 / 01/31/11  
 Lab: BNW

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

DOSE	Females			
	Control	100 ppm	200 ppm	400 ppm
<b>Liver</b>				
<b>Hepatocellular Carcinoma</b>				
<b>TUMOR RATES</b>				
OVERALL (a)	7/50 (14%)	8/50 (16%)	12/50 (24%)	34/50 (68%)
POLY-3 RATE (b)	7/45.79	8/44.28	12/44.62	34/44.80
POLY-3 PERCENT (g)	15.3%	18.1%	26.9%	75.9%
TERMINAL (d)	4/38 (11%)	5/33 (15%)	9/37 (24%)	23/27 (85%)
FIRST INCIDENCE	664	578	576	642
HC TUMORS SAME ROUTE	33/200 (17%)			
HC TUMORS ALL ROUTES	59/449 (13%)			
<b>STATISTICAL TESTS</b>				
POLY 3	P<0.001**	P=0.472	P=0.136	P<0.001**
POLY 1.5	P<0.001**	P=0.482	P=0.139	P<0.001**
POLY 6	P<0.001**	P=0.454	P=0.133	P<0.001**
COCH-ARM / FISHERS	P<0.001**	P=0.500	P=0.154	P<0.001**
MAX-ISO-POLY-3	P<0.001**	P=0.364	P=0.090	P<0.001**
HISTCONT SAME RTE	P=0.003**	P=1.000	P=0.067	P=0.003**
HISTCONT ALL RTES	P<0.001**	P=0.323	P=0.022*	P<0.001**
CURR VS HC SAME RTE	P=0.618			
CURR VS HC ALL RTES	P=0.911			

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

P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS  
 p-Chloro-a,a,a-trifluorotoluene  
 CAS Number: 98-56-6

Date Report Requested: 03/15/2016  
 Time Report Requested: 08:52:04  
 First Dose M/F: 01/31/11 / 01/31/11  
 Lab: BNW

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

DOSE	Females			
	Control	100 ppm	200 ppm	400 ppm
<b>Liver</b>				
<b>Hepatocellular Carcinoma or Hepatoblastoma</b>				
<b>TUMOR RATES</b>				
OVERALL (a)	7/50 (14%)	8/50 (16%)	12/50 (24%)	36/50 (72%)
POLY-3 RATE (b)	7/45.79	8/44.28	12/44.62	36/45.12
POLY-3 PERCENT (g)	15.3%	18.1%	26.9%	79.8%
TERMINAL (d)	4/38 (11%)	5/33 (15%)	9/37 (24%)	23/27 (85%)
FIRST INCIDENCE	664	578	576	642
HC TUMORS SAME ROUTE	33/200 (17%)			
HC TUMORS ALL ROUTES	59/449 (13%)			
<b>STATISTICAL TESTS</b>				
POLY 3	P<0.001**	P=0.472	P=0.136	P<0.001**
POLY 1.5	P<0.001**	P=0.482	P=0.139	P<0.001**
POLY 6	P<0.001**	P=0.454	P=0.133	P<0.001**
COCH-ARM / FISHERS	P<0.001**	P=0.500	P=0.154	P<0.001**
MAX-ISO-POLY-3	P<0.001**	P=0.364	P=0.090	P<0.001**
HISTCONT SAME RTE	P=0.002**	P=1.000	P=0.067	P=0.002**
HISTCONT ALL RTES	P<0.001**	P=0.323	P=0.022*	P<0.001**
CURR VS HC SAME RTE	P=0.618			
CURR VS HC ALL RTES	P=0.911			

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

P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS  
 p-Chloro-a,a,a-trifluorotoluene  
 CAS Number: 98-56-6

Date Report Requested: 03/15/2016  
 Time Report Requested: 08:52:04  
 First Dose M/F: 01/31/11 / 01/31/11  
 Lab: BNW

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

DOSE	Females			
	Control	100 ppm	200 ppm	400 ppm
<b>Liver</b>				
<b>Hepatocellular Carcinoma or Hepatocellular Adenoma</b>				
<b>TUMOR RATES</b>				
OVERALL (a)	18/50 (36%)	18/50 (36%)	29/50 (58%)	46/50 (92%)
POLY-3 RATE (b)	18/46.42	18/44.57	29/44.62	46/47.15
POLY-3 PERCENT (g)	38.8%	40.4%	65%	97.6%
TERMINAL (d)	13/38 (34%)	13/33 (39%)	26/37 (70%)	27/27 (100%)
FIRST INCIDENCE	544	578	576	530
HC TUMORS SAME ROUTE	74/200 (37%)			
HC TUMORS ALL ROUTES	159/449 (35%)			
<b>STATISTICAL TESTS</b>				
POLY 3	P<0.001**	P=0.523	P=0.008**	P<0.001**
POLY 1.5	P<0.001**	P=0.544	P=0.011*	P<0.001**
POLY 6	P<0.001**	P=0.489	P=0.006**	P<0.001**
COCH-ARM / FISHERS	P<0.001**	P=0.582N	P=0.022*	P<0.001**
MAX-ISO-POLY-3	P<0.001**	P=0.437	P=0.005**	P<0.001**
HISTCONT SAME RTE	P=0.002**	P=1.000	P=0.031*	P=0.003**
HISTCONT ALL RTES	P<0.001**	P=0.496	P=0.043*	P<0.001**
CURR VS HC SAME RTE	P=0.815			
CURR VS HC ALL RTES	P=0.970			



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

P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS  
 p-Chloro-a,a,a-trifluorotoluene  
 CAS Number: 98-56-6

Date Report Requested: 03/15/2016  
 Time Report Requested: 08:52:04  
 First Dose M/F: 01/31/11 / 01/31/11  
 Lab: BNW

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

DOSE	Females			
	Control	100 ppm	200 ppm	400 ppm
<b>Liver</b>				
<b>Hepatocellular Carcinoma, Hepatocellular Adenoma, or Hepatoblastoma</b>				
<b>TUMOR RATES</b>				
OVERALL (a)	18/50 (36%)	18/50 (36%)	29/50 (58%)	46/50 (92%)
POLY-3 RATE (b)	18/46.42	18/44.57	29/44.62	46/47.15
POLY-3 PERCENT (g)	38.8%	40.4%	65%	97.6%
TERMINAL (d)	13/38 (34%)	13/33 (39%)	26/37 (70%)	27/27 (100%)
FIRST INCIDENCE	544	578	576	530
HC TUMORS SAME ROUTE	74/200 (37%)			
HC TUMORS ALL ROUTES	159/449 (35%)			
<b>STATISTICAL TESTS</b>				
POLY 3	P<0.001**	P=0.523	P=0.008**	P<0.001**
POLY 1.5	P<0.001**	P=0.544	P=0.011*	P<0.001**
POLY 6	P<0.001**	P=0.489	P=0.006**	P<0.001**
COCH-ARM / FISHERS	P<0.001**	P=0.582N	P=0.022*	P<0.001**
MAX-ISO-POLY-3	P<0.001**	P=0.437	P=0.005**	P<0.001**
HISTCONT SAME RTE	P=0.002**	P=1.000	P=0.031*	P=0.003**
HISTCONT ALL RTES	P<0.001**	P=0.496	P=0.043*	P<0.001**
CURR VS HC SAME RTE	P=0.815			
CURR VS HC ALL RTES	P=0.970			

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

P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS  
 p-Chloro-a,a,a-trifluorotoluene  
 CAS Number: 98-56-6

Date Report Requested: 03/15/2016  
 Time Report Requested: 08:52:04  
 First Dose M/F: 01/31/11 / 01/31/11  
 Lab: BNW

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

DOSE	Females			
	Control	100 ppm	200 ppm	400 ppm
<b>Liver</b>				
<b>Hepatocholangiocarcinoma</b>				
<b>TUMOR RATES</b>				
OVERALL (a)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
POLY-3 RATE (b)	0/45.12	0/43.51	0/44.07	0/43.19
POLY-3 PERCENT (g)	0%	0%	0%	0%
TERMINAL (d)	0/38 (0%)	0/33 (0%)	0/37 (0%)	0/27 (0%)
FIRST INCIDENCE	---	---	---	---
HC TUMORS SAME ROUTE	1/200 (1%)			
HC TUMORS ALL ROUTES	1/449 (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: 10472 - 04  
 Test Type: CHRONIC  
 Route: RESPIRATORY EXPOSURE WHOLE BODY  
 Species/Strain: MICE/B6C3F1

P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS  
 p-Chloro-a,a,a-trifluorotoluene  
 CAS Number: 98-56-6

Date Report Requested: 03/15/2016  
 Time Report Requested: 08:52:04  
 First Dose M/F: 01/31/11 / 01/31/11  
 Lab: BNW

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

DOSE	Females			
	Control	100 ppm	200 ppm	400 ppm
<b>Lung</b>				
<b>Alveolar/Bronchiolar Adenoma</b>				
<b>TUMOR RATES</b>				
OVERALL (a)	5/50 (10%)	4/50 (8%)	5/50 (10%)	6/50 (12%)
POLY-3 RATE (b)	5/45.12	4/44.48	5/44.63	6/43.97
POLY-3 PERCENT (g)	11.1%	9%	11.2%	13.7%
TERMINAL (d)	5/38 (13%)	3/33 (9%)	3/37 (8%)	3/27 (11%)
FIRST INCIDENCE	731 (T)	224	562	628
HC TUMORS SAME ROUTE	9/199 (5%)			
HC TUMORS ALL ROUTES	24/449 (5%)			
<b>STATISTICAL TESTS</b>				
POLY 3	P=0.360	P=0.509N	P=0.624	P=0.482
POLY 1.5	P=0.365	P=0.503N	P=0.621	P=0.489
POLY 6	P=0.355	P=0.521N	P=0.630	P=0.471
COCH-ARM / FISHERS	P=0.375	P=0.500N	P=0.630N	P=0.500
MAX-ISO-POLY-3	P=0.478	P=0.371N	P=0.492	P=0.358
HISTCONT SAME RTE	P=0.023*	P=0.203	P=0.091	P=0.047*
HISTCONT ALL RTES	P=0.016*	P=0.275	P=0.100	P=0.031*
CURR VS HC SAME RTE	P=0.142			
CURR VS HC ALL RTES	P=0.194			

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

P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS  
 p-Chloro-a,a,a-trifluorotoluene  
 CAS Number: 98-56-6

Date Report Requested: 03/15/2016  
 Time Report Requested: 08:52:04  
 First Dose M/F: 01/31/11 / 01/31/11  
 Lab: BNW

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

DOSE	Females			
	Control	100 ppm	200 ppm	400 ppm
<b>Lung</b>				
<b>Alveolar/Bronchiolar Carcinoma</b>				
<b>TUMOR RATES</b>				
OVERALL (a)	0/50 (0%)	1/50 (2%)	2/50 (4%)	3/50 (6%)
POLY-3 RATE (b)	0/45.12	1/43.51	2/44.07	3/44.02
POLY-3 PERCENT (g)	0%	2.3%	4.5%	6.8%
TERMINAL (d)	0/38 (0%)	1/33 (3%)	2/37 (5%)	1/27 (4%)
FIRST INCIDENCE	---	731 (T)	731 (T)	570
HC TUMORS SAME ROUTE	16/199 (8%)			
HC TUMORS ALL ROUTES	22/449 (5%)			
<b>STATISTICAL TESTS</b>				
POLY 3	P=0.059	P=0.493	P=0.232	P=0.114
POLY 1.5	P=0.060	P=0.495	P=0.232	P=0.116
POLY 6	P=0.057	P=0.489	P=0.232	P=0.111
COCH-ARM / FISHERS	P=0.062	P=0.500	P=0.247	P=0.121
MAX-ISO-POLY-3	P=0.060	P=0.158	P=0.076	P=0.038*
HISTCONT SAME RTE	(h)	(h)	(h)	(h)
HISTCONT ALL RTEs	P=0.563	P=1.000	P=1.000	P=0.489
CURR VS HC SAME RTE	P=0.028*			
CURR VS HC ALL RTEs	P=0.107			

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

P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS  
 p-Chloro-a,a,a-trifluorotoluene  
 CAS Number: 98-56-6

Date Report Requested: 03/15/2016  
 Time Report Requested: 08:52:04  
 First Dose M/F: 01/31/11 / 01/31/11  
 Lab: BNW

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

DOSE	Females			
	Control	100 ppm	200 ppm	400 ppm
<b>Lung</b>				
<b>Alveolar/Bronchiolar Carcinoma or Alveolar/Bronchiolar Adenoma</b>				
<b>TUMOR RATES</b>				
OVERALL (a)	5/50 (10%)	5/50 (10%)	7/50 (14%)	9/50 (18%)
POLY-3 RATE (b)	5/45.12	5/44.48	7/44.63	9/44.80
POLY-3 PERCENT (g)	11.1%	11.2%	15.7%	20.1%
TERMINAL (d)	5/38 (13%)	4/33 (12%)	5/37 (14%)	4/27 (15%)
FIRST INCIDENCE	731 (T)	224	562	570
HC TUMORS SAME ROUTE	24/199 (12%)			
HC TUMORS ALL ROUTES	45/449 (10%)			
<b>STATISTICAL TESTS</b>				
POLY 3	P=0.110	P=0.622	P=0.371	P=0.187
POLY 1.5	P=0.111	P=0.627	P=0.369	P=0.189
POLY 6	P=0.111	P=0.610	P=0.377	P=0.184
COCH-ARM / FISHERS	P=0.113	P=0.630N	P=0.380	P=0.194
MAX-ISO-POLY-3	P=0.175	P=0.490	P=0.263	P=0.120
HISTCONT SAME RTE	P=0.199	P=1.000	P=0.428	P=0.177
HISTCONT ALL RTES	P=0.048*	P=1.000	P=0.225	P=0.052
CURR VS HC SAME RTE	P=0.707			
CURR VS HC ALL RTES	P=0.989			

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

P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS  
 p-Chloro-a,a,a-trifluorotoluene  
 CAS Number: 98-56-6

Date Report Requested: 03/15/2016  
 Time Report Requested: 08:52:04  
 First Dose M/F: 01/31/11 / 01/31/11  
 Lab: BNW

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

DOSE	Females			
	Control	100 ppm	200 ppm	400 ppm
<b>Mesentery</b>				
<b>Hemangiosarcoma</b>				
<b>TUMOR RATES</b>	#	#	#	#
OVERALL (a)	1/50 (2%)	2/50 (4%)	0/50 (0%)	0/50 (0%)
POLY-3 RATE (b)	1/45.12	2/43.97	0/44.07	0/43.19
POLY-3 PERCENT (g)	2.2%	4.6%	0%	0%
TERMINAL (d)	1/38 (3%)	1/33 (3%)	0/37 (0%)	0/27 (0%)
FIRST INCIDENCE	731 (T)	597	---	---
HC TUMORS SAME ROUTE	0/200 (0%)			
HC TUMORS ALL ROUTES	1/450 (0%)			
<b>STATISTICAL TESTS</b>				
POLY 3	P=0.194N	P=0.491	P=0.505N	P=0.509N
POLY 1.5	P=0.192N	P=0.494	P=0.504N	P=0.505N
POLY 6	P=0.197N	P=0.486	P=0.504N	P=0.515N
COCH-ARM / FISHERS	P=0.188N	P=0.500	P=0.500N	P=0.500N
MAX-ISO-POLY-3	P=0.184N	P=0.275	P=0.164N	P=0.169N
HISTCONT SAME RTE	P=0.382	P=0.040*	(e)	(e)
HISTCONT ALL RTES	P=0.363	P=0.006**	P=1.000	P=1.000
CURR VS HC SAME RTE	P=0.054			
CURR VS HC ALL RTES	P=0.058			

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

**P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS**

p-Chloro-a,a,a-trifluorotoluene

CAS Number: 98-56-6

Date Report Requested: 03/15/2016

Time Report Requested: 08:52:04

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

Lab: BNW

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

DOSE	Females			
	Control	100 ppm	200 ppm	400 ppm
<b>Ovary</b>				
<b>Cystadenoma</b>				
<b>TUMOR RATES</b>				
OVERALL (a)	2/50 (4%)	1/50 (2%)	2/50 (4%)	0/50 (0%)
POLY-3 RATE (b)	2/45.12	1/43.51	2/44.62	0/43.19
POLY-3 PERCENT (g)	4.4%	2.3%	4.5%	0%
TERMINAL (d)	2/38 (5%)	1/33 (3%)	1/37 (3%)	0/27 (0%)
FIRST INCIDENCE	731 (T)	731 (T)	562	---
HC TUMORS SAME ROUTE	5/198 (3%)			
HC TUMORS ALL ROUTES	14/446 (3%)			
<b>STATISTICAL TESTS</b>				
POLY 3	P=0.208N	P=0.513N	P=0.690	P=0.247N
POLY 1.5	P=0.205N	P=0.508N	P=0.689	P=0.243N
POLY 6	P=0.213N	P=0.520N	P=0.693	P=0.254N
COCH-ARM / FISHERS	P=0.200N	P=0.500N	P=0.691N	P=0.247N
MAX-ISO-POLY-3	P=0.176N	P=0.294N	P=0.495	P=0.085N
HISTCONT SAME RTE	P=1.000	P=1.000	P=0.406	P=1.000
HISTCONT ALL RTES	P=1.000	P=1.000	P=1.000	P=1.000
CURR VS HC SAME RTE	P=0.568			
CURR VS HC ALL RTES	P=0.754			

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

P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS  
 p-Chloro-a,a,a-trifluorotoluene  
 CAS Number: 98-56-6

Date Report Requested: 03/15/2016  
 Time Report Requested: 08:52:04  
 First Dose M/F: 01/31/11 / 01/31/11  
 Lab: BNW

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

DOSE	Females			
	Control	100 ppm	200 ppm	400 ppm
<b>Ovary</b>				
<b>Luteoma</b>				
<b>TUMOR RATES</b>				
OVERALL (a)	2/50 (4%)	0/50 (0%)	1/50 (2%)	0/50 (0%)
POLY-3 RATE (b)	2/45.12	0/43.51	1/44.07	0/43.19
POLY-3 PERCENT (g)	4.4%	0%	2.3%	0%
TERMINAL (d)	2/38 (5%)	0/33 (0%)	1/37 (3%)	0/27 (0%)
FIRST INCIDENCE	731 (T)	---	731 (T)	---
HC TUMORS SAME ROUTE	1/198 (1%)			
HC TUMORS ALL ROUTES	1/446 (0%)			
<b>STATISTICAL TESTS</b>				
POLY 3	P=0.188N	P=0.245N	P=0.508N	P=0.247N
POLY 1.5	P=0.188N	P=0.242N	P=0.507N	P=0.243N
POLY 6	P=0.188N	P=0.250N	P=0.507N	P=0.254N
COCH-ARM / FISHERS	P=0.188N	P=0.247N	P=0.500N	P=0.247N
MAX-ISO-POLY-3	P=0.089N	P=0.084N	P=0.290N	P=0.085N
HISTCONT SAME RTE	P=0.498	P=1.000	P=0.396	P=1.000
HISTCONT ALL RTEs	P=0.305	P=1.000	P=0.157	P=1.000
CURR VS HC SAME RTE	P=0.059			
CURR VS HC ALL RTEs	P<0.001**			



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

P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS  
 p-Chloro-a,a,a-trifluorotoluene  
 CAS Number: 98-56-6

Date Report Requested: 03/15/2016  
 Time Report Requested: 08:52:04  
 First Dose M/F: 01/31/11 / 01/31/11  
 Lab: BNW

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

DOSE	Females			
	Control	100 ppm	200 ppm	400 ppm
<b>Pituitary Gland: Pars Distalis or Unspecified Site Adenoma</b>				
<b>TUMOR RATES</b>				
OVERALL (a)	4/50 (8%)	4/50 (8%)	0/50 (0%)	3/50 (6%)
POLY-3 RATE (b)	4/45.37	4/44.05	0/44.07	3/43.90
POLY-3 PERCENT (g)	8.8%	9.1%	0%	6.8%
TERMINAL (d)	3/38 (8%)	3/33 (9%)	0/37 (0%)	1/27 (4%)
FIRST INCIDENCE	664	564	---	530
HC TUMORS SAME ROUTE	25/194 (13%)			
HC TUMORS ALL ROUTES	36/442 (8%)			
<b>STATISTICAL TESTS</b>				
POLY 3	P=0.326N	P=0.627	P=0.064N	P=0.518N
POLY 1.5	P=0.323N	P=0.633	P=0.064N	P=0.510N
POLY 6	P=0.330N	P=0.617	P=0.064N	P=0.532N
COCH-ARM / FISHERS	P=0.319N	P=0.643N	P=0.059N	P=0.500N
MAX-ISO-POLY-3	P=0.228N	P=0.482	P=0.022N*	P=0.366N
HISTCONT SAME RTE	(h)	(h)	(h)	(h)
HISTCONT ALL RTES	(h)	(h)	(h)	(h)
CURR VS HC SAME RTE	P=0.345			
CURR VS HC ALL RTES	P=0.944			

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

P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS  
 p-Chloro-a,a,a-trifluorotoluene  
 CAS Number: 98-56-6

Date Report Requested: 03/15/2016  
 Time Report Requested: 08:52:04  
 First Dose M/F: 01/31/11 / 01/31/11  
 Lab: BNW

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

DOSE	Females			
	Control	100 ppm	200 ppm	400 ppm
<b>Skeletal Muscle</b>				
<b>Rhabdomyosarcoma</b>				
<b>TUMOR RATES</b>	#	#	#	#
OVERALL (a)	2/50 (4%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
POLY-3 RATE (b)	2/45.70	0/43.51	0/44.07	0/43.19
POLY-3 PERCENT (g)	4.4%	0%	0%	0%
TERMINAL (d)	1/38 (3%)	0/33 (0%)	0/37 (0%)	0/27 (0%)
FIRST INCIDENCE	544	---	---	---
HC TUMORS SAME ROUTE	0/200 (0%)			
HC TUMORS ALL ROUTES	3/450 (1%)			
<b>STATISTICAL TESTS</b>				
POLY 3	P=0.109N	P=0.248N	P=0.245N	P=0.250N
POLY 1.5	P=0.111N	P=0.244N	P=0.244N	P=0.245N
POLY 6	P=0.106N	P=0.254N	P=0.246N	P=0.258N
COCH-ARM / FISHERS	P=0.115N	P=0.247N	P=0.247N	P=0.247N
MAX-ISO-POLY-3	P=0.043N*	P=0.087N	P=0.084N	P=0.088N
HISTCONT SAME RTE	(h)	(h)	(h)	(h)
HISTCONT ALL RTES	(h)	(h)	(h)	(h)
CURR VS HC SAME RTE	P=0.009**			
CURR VS HC ALL RTES	P=0.030*			

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

P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS  
 p-Chloro-a,a,a-trifluorotoluene  
 CAS Number: 98-56-6

Date Report Requested: 03/15/2016  
 Time Report Requested: 08:52:04  
 First Dose M/F: 01/31/11 / 01/31/11  
 Lab: BNW

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

DOSE	Females			
	Control	100 ppm	200 ppm	400 ppm
<b>Skin</b>				
Fibroma, Fibrosarcoma, Sarcoma, Myxoma, Myxosarcoma, or Fibrous Histiocytoma				
<b>TUMOR RATES</b>	#	#	#	#
OVERALL (a)	1/50 (2%)	0/50 (0%)	0/50 (0%)	2/50 (4%)
POLY-3 RATE (b)	1/45.16	0/43.51	0/44.07	2/44.29
POLY-3 PERCENT (g)	2.2%	0%	0%	4.5%
TERMINAL (d)	0/38 (0%)	0/33 (0%)	0/37 (0%)	0/27 (0%)
FIRST INCIDENCE	719	---	---	374
HC TUMORS SAME ROUTE	4/200 (2%)			
HC TUMORS ALL ROUTES	11/450 (2%)			
<b>STATISTICAL TESTS</b>				
POLY 3	P=0.247	P=0.507N	P=0.505N	P=0.493
POLY 1.5	P=0.247	P=0.505N	P=0.504N	P=0.497
POLY 6	P=0.247	P=0.512N	P=0.505N	P=0.486
COCH-ARM / FISHERS	P=0.246	P=0.500N	P=0.500N	P=0.500
MAX-ISO-POLY-3	P=0.134	P=0.168N	P=0.165N	P=0.277
HISTCONT SAME RTE	P=0.240	P=1.000	P=1.000	P=0.345
HISTCONT ALL RTES	P=0.396	P=1.000	P=1.000	P=0.405
CURR VS HC SAME RTE	P=0.975			
CURR VS HC ALL RTES	P=0.841			

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

P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS  
 p-Chloro-a,a,a-trifluorotoluene  
 CAS Number: 98-56-6

Date Report Requested: 03/15/2016  
 Time Report Requested: 08:52:04  
 First Dose M/F: 01/31/11 / 01/31/11  
 Lab: BNW

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

DOSE	Females			
	Control	100 ppm	200 ppm	400 ppm
<b>Skin</b>				
<b>Fibrosarcoma</b>				
<b>TUMOR RATES</b>	#	#	#	#
OVERALL (a)	0/50 (0%)	0/50 (0%)	0/50 (0%)	2/50 (4%)
POLY-3 RATE (b)	0/45.12	0/43.51	0/44.07	2/44.29
POLY-3 PERCENT (g)	0%	0%	0%	4.5%
TERMINAL (d)	0/38 (0%)	0/33 (0%)	0/37 (0%)	0/27 (0%)
FIRST INCIDENCE	---	---	---	374
HC TUMORS SAME ROUTE	1/200 (1%)			
HC TUMORS ALL ROUTES	3/450 (1%)			
<b>STATISTICAL TESTS</b>				
POLY 3	P=0.045*	(e)	(e)	P=0.233
POLY 1.5	P=0.045*	(e)	(e)	P=0.235
POLY 6	P=0.045*	(e)	(e)	P=0.228
COCH-ARM / FISHERS	P=0.046*	(e)	(e)	P=0.247
MAX-ISO-POLY-3	P=0.032*	(e)	(e)	P=0.076
HISTCONT SAME RTE	P=0.038*	(e)	(e)	P=0.076
HISTCONT ALL RTES	P=0.019*	(e)	(e)	P=0.022*
CURR VS HC SAME RTE	P=0.432			
CURR VS HC ALL RTES	P=0.489			

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

P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS  
 p-Chloro-a,a,a-trifluorotoluene  
 CAS Number: 98-56-6

Date Report Requested: 03/15/2016  
 Time Report Requested: 08:52:04  
 First Dose M/F: 01/31/11 / 01/31/11  
 Lab: BNW

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

DOSE	Females			
	Control	100 ppm	200 ppm	400 ppm
<b>Skin</b>				
Fibrosarcoma, Sarcoma, Myxosarcoma, or Fibrous Histiocytoma				
<b>TUMOR RATES</b>	#	#	#	#
OVERALL (a)	1/50 (2%)	0/50 (0%)	0/50 (0%)	2/50 (4%)
POLY-3 RATE (b)	1/45.16	0/43.51	0/44.07	2/44.29
POLY-3 PERCENT (g)	2.2%	0%	0%	4.5%
TERMINAL (d)	0/38 (0%)	0/33 (0%)	0/37 (0%)	0/27 (0%)
FIRST INCIDENCE	719	---	---	374
HC TUMORS SAME ROUTE	4/200 (2%)			
HC TUMORS ALL ROUTES	11/450 (2%)			
<b>STATISTICAL TESTS</b>				
POLY 3	P=0.247	P=0.507N	P=0.505N	P=0.493
POLY 1.5	P=0.247	P=0.505N	P=0.504N	P=0.497
POLY 6	P=0.247	P=0.512N	P=0.505N	P=0.486
COCH-ARM / FISHERS	P=0.246	P=0.500N	P=0.500N	P=0.500
MAX-ISO-POLY-3	P=0.134	P=0.168N	P=0.165N	P=0.277
HISTCONT SAME RTE	P=0.240	P=1.000	P=1.000	P=0.345
HISTCONT ALL RTES	P=0.396	P=1.000	P=1.000	P=0.405
CURR VS HC SAME RTE	P=0.975			
CURR VS HC ALL RTES	P=0.841			

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

P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS  
 p-Chloro-a,a,a-trifluorotoluene  
 CAS Number: 98-56-6

Date Report Requested: 03/15/2016  
 Time Report Requested: 08:52:04  
 First Dose M/F: 01/31/11 / 01/31/11  
 Lab: BNW

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

DOSE	Females			
	Control	100 ppm	200 ppm	400 ppm
<b>Skin</b>				
<b>Hemangiosarcoma</b>				
<b>TUMOR RATES</b>	#	#	#	#
OVERALL (a)	0/50 (0%)	0/50 (0%)	1/50 (2%)	0/50 (0%)
POLY-3 RATE (b)	0/45.12	0/43.51	1/44.07	0/43.19
POLY-3 PERCENT (g)	0%	0%	2.3%	0%
TERMINAL (d)	0/38 (0%)	0/33 (0%)	1/37 (3%)	0/27 (0%)
FIRST INCIDENCE	---	---	731 (T)	---
HC TUMORS SAME ROUTE	3/200 (2%)			
HC TUMORS ALL ROUTES	5/450 (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: 10472 - 04  
 Test Type: CHRONIC  
 Route: RESPIRATORY EXPOSURE WHOLE BODY  
 Species/Strain: MICE/B6C3F1

P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS  
 p-Chloro-a,a,a-trifluorotoluene  
 CAS Number: 98-56-6

Date Report Requested: 03/15/2016  
 Time Report Requested: 08:52:04  
 First Dose M/F: 01/31/11 / 01/31/11  
 Lab: BNW

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

DOSE	Females			
	Control	100 ppm	200 ppm	400 ppm
<b>Skin</b>				
<b>Schwannoma Malignant</b>				
<b>TUMOR RATES</b>	#	#	#	#
OVERALL (a)	0/50 (0%)	2/50 (4%)	0/50 (0%)	0/50 (0%)
POLY-3 RATE (b)	0/45.12	2/44.17	0/44.07	0/43.19
POLY-3 PERCENT (g)	0%	4.5%	0%	0%
TERMINAL (d)	0/38 (0%)	0/33 (0%)	0/37 (0%)	0/27 (0%)
FIRST INCIDENCE	---	626	---	---
HC TUMORS SAME ROUTE	0/200 (0%)			
HC TUMORS ALL ROUTES	4/450 (1%)			
<b>STATISTICAL TESTS</b>				
POLY 3	P=0.416N	P=0.232	(e)	(e)
POLY 1.5	P=0.412N	P=0.234	(e)	(e)
POLY 6	P=0.421N	P=0.230	(e)	(e)
COCH-ARM / FISHERS	P=0.405N	P=0.247	(e)	(e)
MAX-ISO-POLY-3	P=0.264N	P=0.076	(e)	(e)
HISTCONT SAME RTE	P=0.382	P=0.040*	(e)	(e)
HISTCONT ALL RTES	P=0.681	P=0.120	(e)	(e)
CURR VS HC SAME RTE	P=1.000			
CURR VS HC ALL RTES	P=0.557			

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

P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS  
 p-Chloro-a,a,a-trifluorotoluene  
 CAS Number: 98-56-6

Date Report Requested: 03/15/2016  
 Time Report Requested: 08:52:04  
 First Dose M/F: 01/31/11 / 01/31/11  
 Lab: BNW

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

DOSE	Females			
	Control	100 ppm	200 ppm	400 ppm
<b>Spleen</b>				
<b>Hemangiosarcoma</b>				
<b>TUMOR RATES</b>				
OVERALL (a)	1/50 (2%)	0/50 (0%)	0/50 (0%)	1/50 (2%)
POLY-3 RATE (b)	1/45.32	0/43.51	0/44.07	1/43.19
POLY-3 PERCENT (g)	2.2%	0%	0%	2.3%
TERMINAL (d)	0/38 (0%)	0/33 (0%)	0/37 (0%)	1/27 (4%)
FIRST INCIDENCE	676	---	---	731 (T)
HC TUMORS SAME ROUTE	3/199 (2%)			
HC TUMORS ALL ROUTES	4/448 (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: 10472 - 04  
 Test Type: CHRONIC  
 Route: RESPIRATORY EXPOSURE WHOLE BODY  
 Species/Strain: MICE/B6C3F1

P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS  
 p-Chloro-a,a,a-trifluorotoluene  
 CAS Number: 98-56-6

Date Report Requested: 03/15/2016  
 Time Report Requested: 08:52:04  
 First Dose M/F: 01/31/11 / 01/31/11  
 Lab: BNW

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

DOSE	Females			
	Control	100 ppm	200 ppm	400 ppm
<b>Stomach, Forestomach Squamous Cell Papilloma</b>				
<b>TUMOR RATES</b>	#	#	#	#
OVERALL (a)	1/50 (2%)	2/50 (4%)	1/50 (2%)	3/50 (6%)
POLY-3 RATE (b)	1/45.12	2/43.62	1/44.07	3/43.19
POLY-3 PERCENT (g)	2.2%	4.6%	2.3%	7%
TERMINAL (d)	1/38 (3%)	1/33 (3%)	1/37 (3%)	3/27 (11%)
FIRST INCIDENCE	731 (T)	703	731 (T)	731 (T)
HC TUMORS SAME ROUTE	3/200 (2%)			
HC TUMORS ALL ROUTES	6/450 (1%)			
<b>STATISTICAL TESTS</b>				
POLY 3	P=0.226	P=0.488	P=0.755	P=0.290
POLY 1.5	P=0.231	P=0.492	P=0.756	P=0.296
POLY 6	P=0.218	P=0.482	P=0.756	P=0.279
COCH-ARM / FISHERS	P=0.237	P=0.500	P=0.753N	P=0.309
MAX-ISO-POLY-3	P=0.215	P=0.274	P=0.493	P=0.148
HISTCONT SAME RTE	P=0.036*	P=0.158	P=1.000	P=0.047*
HISTCONT ALL RTES	P=0.004**	P=0.059	P=1.000	P=0.005**
CURR VS HC SAME RTE	P=0.825			
CURR VS HC ALL RTES	P=0.709			

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

P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS  
 p-Chloro-a,a,a-trifluorotoluene  
 CAS Number: 98-56-6

Date Report Requested: 03/15/2016  
 Time Report Requested: 08:52:04  
 First Dose M/F: 01/31/11 / 01/31/11  
 Lab: BNW

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

DOSE	Females			
	Control	100 ppm	200 ppm	400 ppm
<b>All Organs</b>				
<b>Hemangiosarcoma</b>				
<b>TUMOR RATES</b>	#	#	#	#
OVERALL (a)	3/50 (6%)	2/50 (4%)	1/50 (2%)	4/50 (8%)
POLY-3 RATE (b)	3/45.32	2/43.97	1/44.07	4/44.11
POLY-3 PERCENT (g)	6.6%	4.6%	2.3%	9.1%
TERMINAL (d)	2/38 (5%)	1/33 (3%)	1/37 (3%)	1/27 (4%)
FIRST INCIDENCE	676	597	731 (T)	480
HC TUMORS SAME ROUTE	12/200 (6%)			
HC TUMORS ALL ROUTES	21/450 (5%)			
<b>STATISTICAL TESTS</b>				
POLY 3	P=0.365	P=0.514N	P=0.315N	P=0.485
POLY 1.5	P=0.368	P=0.509N	P=0.314N	P=0.492
POLY 6	P=0.359	P=0.522N	P=0.316N	P=0.472
COCH-ARM / FISHERS	P=0.371	P=0.500N	P=0.309N	P=0.500
MAX-ISO-POLY-3	P=0.287	P=0.338N	P=0.165N	P=0.336
HISTCONT SAME RTE	P=0.208	P=1.000	P=1.000	P=0.295
HISTCONT ALL RTES	P=0.305	P=1.000	P=1.000	P=0.225
CURR VS HC SAME RTE	P=0.972			
CURR VS HC ALL RTES	P=0.707			

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

P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS  
 p-Chloro-a,a,a-trifluorotoluene  
 CAS Number: 98-56-6

Date Report Requested: 03/15/2016  
 Time Report Requested: 08:52:04  
 First Dose M/F: 01/31/11 / 01/31/11  
 Lab: BNW

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

DOSE	Females			
	Control	100 ppm	200 ppm	400 ppm
<b>All Organs</b>				
<b>Hemangiosarcoma or Hemangioma</b>				
<b>TUMOR RATES</b>	#	#	#	#
OVERALL (a)	3/50 (6%)	3/50 (6%)	1/50 (2%)	5/50 (10%)
POLY-3 RATE (b)	3/45.32	3/43.97	1/44.07	5/44.11
POLY-3 PERCENT (g)	6.6%	6.8%	2.3%	11.3%
TERMINAL (d)	2/38 (5%)	2/33 (6%)	1/37 (3%)	2/27 (7%)
FIRST INCIDENCE	676	597	731 (T)	480
HC TUMORS SAME ROUTE	13/200 (7%)			
HC TUMORS ALL ROUTES	25/450 (6%)			
<b>STATISTICAL TESTS</b>				
POLY 3	P=0.265	P=0.648	P=0.315N	P=0.341
POLY 1.5	P=0.268	P=0.653	P=0.314N	P=0.348
POLY 6	P=0.259	P=0.640	P=0.316N	P=0.328
COCH-ARM / FISHERS	P=0.273	P=0.661N	P=0.309N	P=0.357
MAX-ISO-POLY-3	P=0.206	P=0.484	P=0.165N	P=0.222
HISTCONT SAME RTE	P=0.106	P=1.000	P=1.000	P=0.076
HISTCONT ALL RTES	P=0.158	P=1.000	P=1.000	P=0.097
CURR VS HC SAME RTE	P=0.859			
CURR VS HC ALL RTES	P=0.917			

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

P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS  
 p-Chloro-a,a,a-trifluorotoluene  
 CAS Number: 98-56-6

Date Report Requested: 03/15/2016  
 Time Report Requested: 08:52:04  
 First Dose M/F: 01/31/11 / 01/31/11  
 Lab: BNW

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

DOSE	Females			
	Control	100 ppm	200 ppm	400 ppm
<b>All Organs</b>				
<b>Histiocytic Sarcoma</b>				
<b>TUMOR RATES</b>	#	#	#	#
OVERALL (a)	2/50 (4%)	1/50 (2%)	1/50 (2%)	3/50 (6%)
POLY-3 RATE (b)	2/46.35	1/44.21	1/44.62	3/43.41
POLY-3 PERCENT (g)	4.3%	2.3%	2.2%	6.9%
TERMINAL (d)	0/38 (0%)	0/33 (0%)	0/37 (0%)	2/27 (7%)
FIRST INCIDENCE	493	488	562	673
HC TUMORS SAME ROUTE	10/200 (5%)			
HC TUMORS ALL ROUTES	15/450 (3%)			
<b>STATISTICAL TESTS</b>				
POLY 3	P=0.311	P=0.516N	P=0.513N	P=0.470
POLY 1.5	P=0.317	P=0.510N	P=0.511N	P=0.482
POLY 6	P=0.304	P=0.526N	P=0.514N	P=0.453
COCH-ARM / FISHERS	P=0.324	P=0.500N	P=0.500N	P=0.500
MAX-ISO-POLY-3	P=0.284	P=0.298N	P=0.295N	P=0.303
HISTCONT SAME RTE	P=0.382	P=1.000	P=1.000	P=1.000
HISTCONT ALL RTES	P=0.211	P=1.000	P=1.000	P=0.196
CURR VS HC SAME RTE	P=0.745			
CURR VS HC ALL RTES	P=0.842			

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

P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS  
 p-Chloro-a,a,a-trifluorotoluene  
 CAS Number: 98-56-6

Date Report Requested: 03/15/2016  
 Time Report Requested: 08:52:04  
 First Dose M/F: 01/31/11 / 01/31/11  
 Lab: BNW

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

DOSE	Females			
	Control	100 ppm	200 ppm	400 ppm
<b>All Organs</b>				
<b>Malignant Lymphoma: Histiocytic, Lymphocytic, Mixed, NOS, or Undifferentiated Cell Type</b>				
<b>TUMOR RATES</b>	#	#	#	#
OVERALL (a)	9/50 (18%)	6/50 (12%)	11/50 (22%)	3/50 (6%)
POLY-3 RATE (b)	9/46.02	6/44.47	11/44.44	3/43.71
POLY-3 PERCENT (g)	19.6%	13.5%	24.8%	6.9%
TERMINAL (d)	7/38 (18%)	3/33 (9%)	8/37 (22%)	2/27 (7%)
FIRST INCIDENCE	502	576	641	570
HC TUMORS SAME ROUTE	49/200 (25%)			
HC TUMORS ALL ROUTES	84/450 (19%)			
<b>STATISTICAL TESTS</b>				
POLY 3	P=0.107N	P=0.312N	P=0.366	P=0.071N
POLY 1.5	P=0.100N	P=0.304N	P=0.373	P=0.066N
POLY 6	P=0.120N	P=0.322N	P=0.365	P=0.079N
COCH-ARM / FISHERS	P=0.093N	P=0.288N	P=0.402	P=0.061N
MAX-ISO-POLY-3	P=0.084N	P=0.224N	P=0.280	P=0.041N*
HISTCONT SAME RTE	(h)	(h)	(h)	(h)
HISTCONT ALL RTES	P=1.000	P=1.000	P=0.339	P=1.000
CURR VS HC SAME RTE	P=0.348			
CURR VS HC ALL RTES	P=0.862			

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

P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS  
 p-Chloro-a,a,a-trifluorotoluene  
 CAS Number: 98-56-6

Date Report Requested: 03/15/2016  
 Time Report Requested: 08:52:04  
 First Dose M/F: 01/31/11 / 01/31/11  
 Lab: BNW

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

DOSE	Females			
	Control	100 ppm	200 ppm	400 ppm
<b>All Organs</b>				
<b>Benign Tumors</b>				
<b>TUMOR RATES</b>	#	#	#	#
OVERALL (a)	24/50 (48%)	28/50 (56%)	31/50 (62%)	40/50 (80%)
POLY-3 RATE (b)	24/46.59	28/46.51	31/44.63	40/47.05
POLY-3 PERCENT (g)	51.5%	60.2%	69.5%	85%
TERMINAL (d)	19/38 (50%)	21/33 (64%)	29/37 (78%)	23/27 (85%)
FIRST INCIDENCE	544	224	562	530
HC TUMORS SAME ROUTE	103/200 (52%)			
HC TUMORS ALL ROUTES	222/450 (49%)			
<b>STATISTICAL TESTS</b>				
POLY 3	P<0.001**	P=0.259	P=0.056	P<0.001**
POLY 1.5	P<0.001**	P=0.270	P=0.070	P<0.001**
POLY 6	P<0.001**	P=0.231	P=0.043*	P<0.001**
COCH-ARM / FISHERS	P<0.001**	P=0.274	P=0.114	P<0.001**
MAX-ISO-POLY-3	P<0.001**	P=0.196	P=0.038*	P<0.001**
HISTCONT SAME RTE	P=0.004**	P=0.235	P=0.032*	P=0.008**
HISTCONT ALL RTES	P=0.004**	P=0.284	P=0.074	P=0.004**
CURR VS HC SAME RTE	P=0.574			
CURR VS HC ALL RTES	P=0.778			

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

P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS  
 p-Chloro-a,a,a-trifluorotoluene  
 CAS Number: 98-56-6

Date Report Requested: 03/15/2016  
 Time Report Requested: 08:52:04  
 First Dose M/F: 01/31/11 / 01/31/11  
 Lab: BNW

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

DOSE	Females			
	Control	100 ppm	200 ppm	400 ppm
<b>All Organs</b>				
<b>Malignant Tumors</b>				
<b>TUMOR RATES</b>	#	#	#	#
OVERALL (a)	24/50 (48%)	22/50 (44%)	26/50 (52%)	42/50 (84%)
POLY-3 RATE (b)	24/48.89	22/47.32	26/46.65	42/47.76
POLY-3 PERCENT (g)	49.1%	46.5%	55.7%	87.9%
TERMINAL (d)	14/38 (37%)	10/33 (30%)	18/37 (49%)	24/27 (89%)
FIRST INCIDENCE	493	488	480	374
HC TUMORS SAME ROUTE	113/200 (57%)			
HC TUMORS ALL ROUTES	215/450 (48%)			
<b>STATISTICAL TESTS</b>				
POLY 3	P<0.001**	P=0.480N	P=0.328	P<0.001**
POLY 1.5	P<0.001**	P=0.463N	P=0.352	P<0.001**
POLY 6	P<0.001**	P=0.499N	P=0.306	P<0.001**
COCH-ARM / FISHERS	P<0.001**	P=0.421N	P=0.421	P<0.001**
MAX-ISO-POLY-3	P<0.001**	P=0.399N	P=0.263	P<0.001**
HISTCONT SAME RTE	P=0.033*	P=1.000	P=1.000	P=0.010**
HISTCONT ALL RTES	P=0.006**	P=1.000	P=0.346	P=0.002**
CURR VS HC SAME RTE	P=0.145			
CURR VS HC ALL RTES	P=0.833			

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

P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS  
 p-Chloro-a,a,a-trifluorotoluene  
 CAS Number: 98-56-6

Date Report Requested: 03/15/2016  
 Time Report Requested: 08:52:04  
 First Dose M/F: 01/31/11 / 01/31/11  
 Lab: BNW

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

DOSE	Females			
	Control	100 ppm	200 ppm	400 ppm
<b>All Organs</b>				
<b>Malignant and Benign Tumors</b>				
<b>TUMOR RATES</b>	#	#	#	#
OVERALL (a)	38/50 (76%)	37/50 (74%)	41/50 (82%)	49/50 (98%)
POLY-3 RATE (b)	38/49.26	37/49.41	41/46.65	49/49.26
POLY-3 PERCENT (g)	77.1%	74.9%	87.9%	99.5%
TERMINAL (d)	27/38 (71%)	22/33 (67%)	33/37 (89%)	27/27 (100%)
FIRST INCIDENCE	493	224	480	374
HC TUMORS SAME ROUTE	154/200 (77%)			
HC TUMORS ALL ROUTES	324/450 (72%)			
<b>STATISTICAL TESTS</b>				
POLY 3	P<0.001**	P=0.489N	P=0.126	P<0.001**
POLY 1.5	P<0.001**	P=0.489N	P=0.172	P<0.001**
POLY 6	P<0.001**	P=0.503N	P=0.088	P<0.001**
COCH-ARM / FISHERS	P<0.001**	P=0.500N	P=0.312	P<0.001**
MAX-ISO-POLY-3	P<0.001**	P=0.394N	P=0.083	P<0.001**
HISTCONT SAME RTE	P=0.012*	P=1.000	P=0.089	P=0.011*
HISTCONT ALL RTES	P=0.008**	P=1.000	P=0.092	P=0.007**
CURR VS HC SAME RTE	P=0.544			
CURR VS HC ALL RTES	P=0.802			



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

**P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS**

p-Chloro-a,a,a-trifluorotoluene

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

**Date Report Requested:** 03/15/2016

**Time Report Requested:** 08:52:04

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

**Lab:** BNW

**LEGEND**

- (a) Number of tumor-bearing animals/number of animals examined at site.
- (b) Number of tumor-bearing animals/Poly-3 number
- (d) Observed incidence at terminal kill.
- (e) Value of statistic cannot be computed.
- (f) Beneath the control incidence are the P-values associated with the trend test. Beneath the dosed group incidence are the P-values corresponding to pairwise comparisons between the controls and that dosed group.
- (g) Poly-3 adjusted lifetime tumor incidence.
- (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 \*\*\*