

TDMS No. 88006-04
Test Type: CHRONIC
Route: RESPIRATORY EXPOSURE WHOLE BODY
Species/Strain: MICE/B6C3F1

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
ALPHA-METHYLSTYRENE
CAS Number: 98-83-9
Pathologist: GRUMBEIN, S.
Final 1 Mice

Date Report Requested: 07/28/2005
Time Report Requested: 9:58:03
First Dose M/F: 07/30/01 / 07/30/01
Lab: BNW

C Number: C88006B
Lock Date: 03/08/2004
Cage Range: ALL
Date Range: ALL
Reasons For Removal: ALL
Removal Date Range: JAN /1 /1940 - SEP /17 /2040
Treatment Groups: Include 1 CONTROL
Include 4 100 PPM
Include 7 600 PPM

Include 2 CONTROL
Include 5 300 PPM
Include 8 600 PPM

Include 3 100 PPM
Include 6 300 PPM

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SUMMARY OF STATISTICALLY SIGNIFICANT ($P \leq .05$) RESULTS IN THE ANALYSIS OF ALPHA-METHYLSTYRENE

MALE MICE

Organ

Adrenal Cortex

Kidney

Nose: Olfactory Epithelium

Nose: Olfactory Epithelium, Glands

Skin

Stomach, Forestomach

Stomach, Forestomach: Epithelium

FEMALE MICE

Organ

Brain

Harderian Gland

Kidney

Liver

Nose: Olfactory Epithelium

Nose: Olfactory Epithelium, Glands

Ovary

Stomach, Glandular

Morphology

Hyperplasia

Hypertrophy

Cyst

Infarct

Atrophy

Metaplasia

Hyperplasia

Inflammation Chronic

Inflammation

Hyperplasia

Morphology

Necrosis

Hyperplasia

Inflammation

Nephropathy

Eosinophilic Focus

Metaplasia

Hyperplasia

Cyst

Necrosis

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

DOSE	Males			
	CONTROL	100 PPM	300 PPM	600 PPM

**Adrenal Cortex
 Hyperplasia**

LESION RATES

OVERALL (a)	8/50 (16%)	12/49 (24%)	4/49 (8%)	2/50 (4%)
POLY-3 RATE (b)	8/45.51	12/42.03	4/46.85	2/43.02
POLY-3 PERCENT (g)	17.6%	28.6%	8.5%	4.7%
TERMINAL (d)	6/35 (17%)	9/32 (28%)	3/40 (8%)	2/36 (6%)
FIRST INCIDENCE	635	453	728	729 (T)

STATISTICAL TESTS

LIFE TABLE	P=0.004N**	P=0.174	P=0.127N	P=0.048N*
POLY 3	P=0.005N**	P=0.166	P=0.163N	P=0.054N
POLY 1.5	P=0.005N**	P=0.176	P=0.174N	P=0.052N
POLY 6	P=0.005N**	P=0.162	P=0.150N	P=0.056N
LOGISTIC REGRESSION	P=0.005N**	P=0.169	P=0.157N	P=0.055N
COCH-ARM / FISHERS	P=0.006N**	P=0.212	P=0.188N	P=0.046N*
ORDER RESTRICTED	P=0.009N**	(e)	(e)	(e)

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

DOSE	Males			
	CONTROL	100 PPM	300 PPM	600 PPM

Adrenal Cortex
Hypertrophy

LESION RATES

OVERALL (a)	25/50 (50%)	13/49 (27%)	14/49 (29%)	13/50 (26%)
POLY-3 RATE (b)	25/45.87	13/41.78	14/46.97	13/43.12
POLY-3 PERCENT (g)	54.5%	31.1%	29.8%	30.2%
TERMINAL (d)	22/35 (63%)	11/32 (34%)	13/40 (33%)	12/36 (33%)
FIRST INCIDENCE	555	626	698	705

STATISTICAL TESTS

LIFE TABLE	P=0.014N*	P=0.024N*	P=0.004N**	P=0.007N**
POLY 3	P=0.026N*	P=0.020N*	P=0.012N*	P=0.014N*
POLY 1.5	P=0.027N*	P=0.018N*	P=0.015N*	P=0.013N*
POLY 6	P=0.026N*	P=0.019N*	P=0.008N**	P=0.015N*
LOGISTIC REGRESSION	P=0.026N*	P=0.023N*	P=0.008N**	P=0.014N*
COCH-ARM / FISHERS	P=0.031N*	P=0.014N*	P=0.024N*	P=0.011N*
ORDER RESTRICTED	P=0.009N**	(e)	(e)	(e)

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

DOSE	Males			
	CONTROL	100 PPM	300 PPM	600 PPM

**Adrenal Medulla
 Hyperplasia**

LESION RATES

OVERALL (a)	2/50 (4%)	3/49 (6%)	1/49 (2%)	2/49 (4%)
POLY-3 RATE (b)	2/44.99	3/41.17	1/46.85	2/42.36
POLY-3 PERCENT (g)	4.5%	7.3%	2.1%	4.7%
TERMINAL (d)	2/35 (6%)	1/32 (3%)	1/40 (3%)	2/36 (6%)
FIRST INCIDENCE	729 (T)	726	729 (T)	729 (T)

STATISTICAL TESTS

LIFE TABLE	P=0.433N	P=0.468	P=0.453N	P=0.685N
POLY 3	P=0.474N	P=0.460	P=0.486N	P=0.672
POLY 1.5	P=0.476N	P=0.467	P=0.495N	P=0.676
POLY 6	P=0.468N	P=0.459	P=0.473N	P=0.673
LOGISTIC REGRESSION	P=0.441N	P=0.472	P=0.453N	P=0.685N
COCH-ARM / FISHERS	P=0.475N	P=0.490	P=0.508N	P=0.684
ORDER RESTRICTED	P=0.464N	(e)	(e)	(e)

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

DOSE	Males			
	CONTROL	100 PPM	300 PPM	600 PPM

**Brain
 Necrosis**

LESION RATES

OVERALL (a)	0/50 (0%)	0/50 (0%)	1/50 (2%)	0/50 (0%)
POLY-3 RATE (b)	0/44.99	0/41.75	1/47.63	0/43.02
POLY-3 PERCENT (g)	0%	0%	2.1%	0%
TERMINAL (d)	0/35 (0%)	0/32 (0%)	0/40 (0%)	0/36 (0%)
FIRST INCIDENCE	---	---	726	---

STATISTICAL TESTS

LIFE TABLE	P=0.682	(e)	P=0.541	(e)
POLY 3	P=0.653	(e)	P=0.511	(e)
POLY 1.5	P=0.658	(e)	P=0.506	(e)
POLY 6	P=0.650	(e)	P=0.518	(e)
LOGISTIC REGRESSION	P=0.675	(e)	P=0.526	(e)
COCH-ARM / FISHERS	P=0.669	(e)	P=0.500	(e)
ORDER RESTRICTED	P=0.391	(e)	(e)	(e)

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

DOSE	Males			
	CONTROL	100 PPM	300 PPM	600 PPM

**Epididymis
 Granuloma Sperm**

LESION RATES

OVERALL (a)	1/50 (2%)	1/50 (2%)	3/50 (6%)	1/50 (2%)
POLY-3 RATE (b)	1/44.99	1/41.75	3/47.85	1/43.02
POLY-3 PERCENT (g)	2.2%	2.4%	6.3%	2.3%
TERMINAL (d)	1/35 (3%)	1/32 (3%)	2/40 (5%)	1/36 (3%)
FIRST INCIDENCE	729 (T)	729 (T)	668	729 (T)

STATISTICAL TESTS

LIFE TABLE	P=0.562	P=0.742	P=0.353	P=0.756N
POLY 3	P=0.524	P=0.744	P=0.328	P=0.751
POLY 1.5	P=0.527	P=0.748	P=0.318	P=0.753
POLY 6	P=0.524	P=0.742	P=0.342	P=0.750
LOGISTIC REGRESSION	P=0.537	P=0.742	P=0.317	P=0.756N
COCH-ARM / FISHERS	P=0.536	P=0.753N	P=0.309	P=0.753N
ORDER RESTRICTED	P=0.455	(e)	(e)	(e)

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

DOSE	Males			
	CONTROL	100 PPM	300 PPM	600 PPM

**Harderian Gland
 Hyperplasia**

LESION RATES

OVERALL (a)	3/50 (6%)	6/49 (12%)	2/50 (4%)	2/47 (4%)
POLY-3 RATE (b)	3/44.99	6/41.62	2/47.62	2/41.05
POLY-3 PERCENT (g)	6.7%	14.4%	4.2%	4.9%
TERMINAL (d)	3/35 (9%)	4/32 (13%)	2/40 (5%)	2/36 (6%)
FIRST INCIDENCE	729 (T)	660	729 (T)	729 (T)

STATISTICAL TESTS

LIFE TABLE	P=0.164N	P=0.203	P=0.439N	P=0.487N
POLY 3	P=0.209N	P=0.204	P=0.474N	P=0.542N
POLY 1.5	P=0.211N	P=0.209	P=0.486N	P=0.539N
POLY 6	P=0.203N	P=0.207	P=0.459N	P=0.538N
LOGISTIC REGRESSION	P=0.198N	P=0.199	P=0.439N	P=0.487N
COCH-ARM / FISHERS	P=0.209N	P=0.233	P=0.500N	P=0.530N
ORDER RESTRICTED	P=0.240N	(e)	(e)	(e)

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

DOSE	Males			
	CONTROL	100 PPM	300 PPM	600 PPM

Heart
Mineralization

LESION RATES

OVERALL (a)	0/50 (0%)	1/50 (2%)	0/50 (0%)	0/50 (0%)
POLY-3 RATE (b)	0/44.99	1/42.64	0/47.62	0/43.02
POLY-3 PERCENT (g)	0%	2.4%	0%	0%
TERMINAL (d)	0/35 (0%)	0/32 (0%)	0/40 (0%)	0/36 (0%)
FIRST INCIDENCE	---	348	---	---

STATISTICAL TESTS

LIFE TABLE	P=0.500N	P=0.492	(e)	(e)
POLY 3	P=0.501N	P=0.489	(e)	(e)
POLY 1.5	P=0.502N	P=0.492	(e)	(e)
POLY 6	P=0.498N	P=0.489	(e)	(e)
LOGISTIC REGRESSION	P=0.554N	P=0.931	(e)	(e)
COCH-ARM / FISHERS	P=0.500N	P=0.500	(e)	(e)
ORDER RESTRICTED	P=0.379N	(e)	(e)	(e)

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

DOSE	Males			
	CONTROL	100 PPM	300 PPM	600 PPM

**Heart
 Thrombosis**

LESION RATES

OVERALL (a)	0/50 (0%)	1/50 (2%)	3/50 (6%)	0/50 (0%)
POLY-3 RATE (b)	0/44.99	1/41.75	3/48.40	0/43.02
POLY-3 PERCENT (g)	0%	2.4%	6.2%	0%
TERMINAL (d)	0/35 (0%)	1/32 (3%)	0/40 (0%)	0/36 (0%)
FIRST INCIDENCE	---	729 (T)	565	---

STATISTICAL TESTS

LIFE TABLE	P=0.615N	P=0.482	P=0.151	(e)
POLY 3	P=0.606	P=0.485	P=0.133	(e)
POLY 1.5	P=0.613	P=0.489	P=0.126	(e)
POLY 6	P=0.603	P=0.484	P=0.141	(e)
LOGISTIC REGRESSION	P=0.628N	P=0.482	P=0.097	(e)
COCH-ARM / FISHERS	P=0.630	P=0.500	P=0.121	(e)
ORDER RESTRICTED	P=0.237	(e)	(e)	(e)

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 TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Males			
	CONTROL	100 PPM	300 PPM	600 PPM

**Kidney
Cyst**

LESION RATES

OVERALL (a)	3/50 (6%)	1/49 (2%)	0/50 (0%)	0/49 (0%)
POLY-3 RATE (b)	3/44.99	1/41.16	0/47.62	0/42.08
POLY-3 PERCENT (g)	6.7%	2.4%	0%	0%
TERMINAL (d)	3/35 (9%)	1/32 (3%)	0/40 (0%)	0/36 (0%)
FIRST INCIDENCE	729 (T)	729 (T)	---	---

STATISTICAL TESTS

LIFE TABLE	P=0.042N*	P=0.337N	P=0.098N	P=0.116N
POLY 3	P=0.044N*	P=0.338N	P=0.109N	P=0.131N
POLY 1.5	P=0.046N*	P=0.332N	P=0.113N	P=0.129N
POLY 6	P=0.043N*	P=0.338N	P=0.103N	P=0.131N
LOGISTIC REGRESSION	P=0.042N*	P=0.337N	(e)	(e)
COCH-ARM / FISHERS	P=0.050N*	P=0.316N	P=0.121N	P=0.125N
ORDER RESTRICTED	P=0.025N*	(e)	(e)	(e)

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 TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Males			
	CONTROL	100 PPM	300 PPM	600 PPM

**Kidney
 Infarct**

LESION RATES

OVERALL (a)	2/50 (4%)	3/49 (6%)	5/50 (10%)	7/49 (14%)
POLY-3 RATE (b)	2/45.17	3/41.16	5/47.63	7/42.08
POLY-3 PERCENT (g)	4.4%	7.3%	10.5%	16.6%
TERMINAL (d)	1/35 (3%)	3/32 (9%)	4/40 (10%)	7/36 (19%)
FIRST INCIDENCE	684	729 (T)	726	729 (T)

STATISTICAL TESTS

LIFE TABLE	P=0.049*	P=0.458	P=0.280	P=0.086
POLY 3	P=0.033*	P=0.458	P=0.238	P=0.062
POLY 1.5	P=0.034*	P=0.466	P=0.229	P=0.066
POLY 6	P=0.033*	P=0.455	P=0.251	P=0.061
LOGISTIC REGRESSION	P=0.035*	P=0.459	P=0.253	P=0.066
COCH-ARM / FISHERS	P=0.036*	P=0.490	P=0.218	P=0.075
ORDER RESTRICTED	P=0.037*	(e)	(e)	(e)

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

DOSE	Males			
	CONTROL	100 PPM	300 PPM	600 PPM

**Kidney
 Inflammation**

LESION RATES

OVERALL (a)	0/50 (0%)	0/49 (0%)	4/50 (8%)	0/49 (0%)
POLY-3 RATE (b)	0/44.99	0/41.16	4/48.17	0/42.08
POLY-3 PERCENT (g)	0%	0%	8.3%	0%
TERMINAL (d)	0/35 (0%)	0/32 (0%)	2/40 (5%)	0/36 (0%)
FIRST INCIDENCE	---	---	565	---

STATISTICAL TESTS

LIFE TABLE	P=0.474	(e)	P=0.085	(e)
POLY 3	P=0.423	(e)	P=0.070	(e)
POLY 1.5	P=0.433	(e)	P=0.066	(e)
POLY 6	P=0.418	(e)	P=0.075	(e)
LOGISTIC REGRESSION	P=0.453	(e)	P=0.054	(e)
COCH-ARM / FISHERS	P=0.452	(e)	P=0.059	(e)
ORDER RESTRICTED	P=0.122	(e)	(e)	(e)

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

DOSE	Males			
	CONTROL	100 PPM	300 PPM	600 PPM

**Kidney
 Metaplasia Osseous**

LESION RATES

OVERALL (a)	4/50 (8%)	1/49 (2%)	1/50 (2%)	1/49 (2%)
POLY-3 RATE (b)	4/45.17	1/41.16	1/47.62	1/42.08
POLY-3 PERCENT (g)	8.9%	2.4%	2.1%	2.4%
TERMINAL (d)	3/35 (9%)	1/32 (3%)	1/40 (3%)	1/36 (3%)
FIRST INCIDENCE	684	729 (T)	729 (T)	729 (T)

STATISTICAL TESTS

LIFE TABLE	P=0.138N	P=0.210N	P=0.145N	P=0.178N
POLY 3	P=0.150N	P=0.208N	P=0.163N	P=0.201N
POLY 1.5	P=0.152N	P=0.202N	P=0.170N	P=0.196N
POLY 6	P=0.147N	P=0.209N	P=0.155N	P=0.202N
LOGISTIC REGRESSION	P=0.155N	P=0.206N	P=0.156N	P=0.199N
COCH-ARM / FISHERS	P=0.159N	P=0.187N	P=0.181N	P=0.187N
ORDER RESTRICTED	P=0.087N	(e)	(e)	(e)

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

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
 ALPHA-METHYLSTYRENE
 CAS Number: 98-83-9
 Pathologist: GRUMBEIN, S.

Date Report Requested: 07/28/2005
 Time Report Requested: 9:58:03
 First Dose M/F: 07/30/01 / 07/30/01
 Lab: BNW

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

DOSE	Males			
	CONTROL	100 PPM	300 PPM	600 PPM

**Kidney
 Nephropathy**

LESION RATES

OVERALL (a)	43/50 (86%)	37/49 (76%)	40/50 (80%)	38/49 (78%)
POLY-3 RATE (b)	43/49.28	37/46.57	40/48.90	38/47.43
POLY-3 PERCENT (g)	87.3%	79.5%	81.8%	80.1%
TERMINAL (d)	31/35 (89%)	23/32 (72%)	33/40 (83%)	29/36 (81%)
FIRST INCIDENCE	456	348	565	429

STATISTICAL TESTS

LIFE TABLE	P=0.172N	P=0.401N	P=0.086N	P=0.222N
POLY 3	P=0.294N	P=0.222N	P=0.318N	P=0.246N
POLY 1.5	P=0.293N	P=0.206N	P=0.317N	P=0.237N
POLY 6	P=0.295N	P=0.216N	P=0.305N	P=0.245N
LOGISTIC REGRESSION	P=0.304N	P=0.178N	P=0.258N	P=0.210N
COCH-ARM / FISHERS	P=0.297N	P=0.142N	P=0.298N	P=0.204N
ORDER RESTRICTED	P=0.280N	(e)	(e)	(e)

TDMS No. 88006-04
 Test Type: CHRONIC
 Route: RESPIRATORY EXPOSURE WHOLE BODY
 Species/Strain: MICE/B6C3F1

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
 ALPHA-METHYLSTYRENE
 CAS Number: 98-83-9
 Pathologist: GRUMBEIN, S.

Date Report Requested: 07/28/2005
 Time Report Requested: 9:58:03
 First Dose M/F: 07/30/01 / 07/30/01
 Lab: BNW

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

DOSE	Males			
	CONTROL	100 PPM	300 PPM	600 PPM

**Kidney: Capsule
 Fibrosis**

LESION RATES

OVERALL (a)	0/50 (0%)	2/49 (4%)	0/50 (0%)	2/49 (4%)
POLY-3 RATE (b)	0/44.99	2/42.05	0/47.62	2/43.43
POLY-3 PERCENT (g)	0%	4.8%	0%	4.6%
TERMINAL (d)	0/35 (0%)	1/32 (3%)	0/40 (0%)	0/36 (0%)
FIRST INCIDENCE	---	345	---	460

STATISTICAL TESTS

LIFE TABLE	P=0.295	P=0.228	(e)	P=0.228
POLY 3	P=0.286	P=0.222	(e)	P=0.229
POLY 1.5	P=0.284	P=0.224	(e)	P=0.229
POLY 6	P=0.290	P=0.222	(e)	P=0.231
LOGISTIC REGRESSION	P=0.290	P=0.361	(e)	P=0.418
COCH-ARM / FISHERS	P=0.287	P=0.242	(e)	P=0.242
ORDER RESTRICTED	P=0.109	(e)	(e)	(e)

TDMS No. 88006-04
 Test Type: CHRONIC
 Route: RESPIRATORY EXPOSURE WHOLE BODY
 Species/Strain: MICE/B6C3F1

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
 ALPHA-METHYLSTYRENE
 CAS Number: 98-83-9
 Pathologist: GRUMBEIN, S.

Date Report Requested: 07/28/2005
 Time Report Requested: 9:58:03
 First Dose M/F: 07/30/01 / 07/30/01
 Lab: BNW

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

DOSE	Males			
	CONTROL	100 PPM	300 PPM	600 PPM

**Kidney: Pelvis
 Dilatation**

LESION RATES

OVERALL (a)	3/50 (6%)	0/49 (0%)	3/50 (6%)	2/49 (4%)
POLY-3 RATE (b)	3/46.04	0/41.16	3/47.74	2/42.68
POLY-3 PERCENT (g)	6.5%	0%	6.3%	4.7%
TERMINAL (d)	1/35 (3%)	0/32 (0%)	2/40 (5%)	1/36 (3%)
FIRST INCIDENCE	486	---	698	537

STATISTICAL TESTS

LIFE TABLE	P=0.549	P=0.144N	P=0.609N	P=0.515N
POLY 3	P=0.531	P=0.140N	P=0.645N	P=0.534N
POLY 1.5	P=0.530	P=0.135N	P=0.653N	P=0.527N
POLY 6	P=0.533	P=0.142N	P=0.634N	P=0.537N
LOGISTIC REGRESSION	P=0.532	P=0.072N	P=0.615	P=0.408N
COCH-ARM / FISHERS	P=0.526	P=0.125N	P=0.661N	P=0.510N
ORDER RESTRICTED	P=0.427N	(e)	(e)	(e)

TDMS No. 88006-04
 Test Type: CHRONIC
 Route: RESPIRATORY EXPOSURE WHOLE BODY
 Species/Strain: MICE/B6C3F1

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
 ALPHA-METHYLSTYRENE
 CAS Number: 98-83-9
 Pathologist: GRUMBEIN, S.

Date Report Requested: 07/28/2005
 Time Report Requested: 9:58:03
 First Dose M/F: 07/30/01 / 07/30/01
 Lab: BNW

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

DOSE	Males			
	CONTROL	100 PPM	300 PPM	600 PPM

Liver
 Basophilic Focus

LESION RATES

OVERALL (a)	6/50 (12%)	5/50 (10%)	7/50 (14%)	3/50 (6%)
POLY-3 RATE (b)	6/45.17	5/42.64	7/48.15	3/43.02
POLY-3 PERCENT (g)	13.3%	11.7%	14.5%	7%
TERMINAL (d)	5/35 (14%)	4/32 (13%)	6/40 (15%)	3/36 (8%)
FIRST INCIDENCE	684	345	565	729 (T)

STATISTICAL TESTS

LIFE TABLE	P=0.200N	P=0.559N	P=0.596	P=0.233N
POLY 3	P=0.250N	P=0.540N	P=0.549	P=0.266N
POLY 1.5	P=0.248N	P=0.530N	P=0.528	P=0.259N
POLY 6	P=0.248N	P=0.546N	P=0.576	P=0.268N
LOGISTIC REGRESSION	P=0.241N	P=0.514N	P=0.525	P=0.259N
COCH-ARM / FISHERS	P=0.241N	P=0.500N	P=0.500	P=0.243N
ORDER RESTRICTED	P=0.288N	(e)	(e)	(e)

TDMS No. 88006-04
 Test Type: CHRONIC
 Route: RESPIRATORY EXPOSURE WHOLE BODY
 Species/Strain: MICE/B6C3F1

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
 ALPHA-METHYLSTYRENE
 CAS Number: 98-83-9
 Pathologist: GRUMBEIN, S.

Date Report Requested: 07/28/2005
 Time Report Requested: 9:58:03
 First Dose M/F: 07/30/01 / 07/30/01
 Lab: BNW

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

DOSE	Males			
	CONTROL	100 PPM	300 PPM	600 PPM

Liver
 Clear Cell Focus

LESION RATES

OVERALL (a)	13/50 (26%)	8/50 (16%)	13/50 (26%)	14/50 (28%)
POLY-3 RATE (b)	13/45.55	8/41.75	13/47.62	14/43.02
POLY-3 PERCENT (g)	28.5%	19.2%	27.3%	32.5%
TERMINAL (d)	12/35 (34%)	8/32 (25%)	13/40 (33%)	14/36 (39%)
FIRST INCIDENCE	555	729 (T)	729 (T)	729 (T)

STATISTICAL TESTS

LIFE TABLE	P=0.321	P=0.218N	P=0.435N	P=0.530
POLY 3	P=0.236	P=0.219N	P=0.539N	P=0.429
POLY 1.5	P=0.240	P=0.203N	P=0.562N	P=0.451
POLY 6	P=0.238	P=0.228N	P=0.507N	P=0.418
LOGISTIC REGRESSION	P=0.251	P=0.214N	P=0.484N	P=0.445
COCH-ARM / FISHERS	P=0.246	P=0.163N	P=0.590N	P=0.500
ORDER RESTRICTED	P=0.292	(e)	(e)	(e)

TDMS No. 88006-04
 Test Type: CHRONIC
 Route: RESPIRATORY EXPOSURE WHOLE BODY
 Species/Strain: MICE/B6C3F1

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
 ALPHA-METHYLSTYRENE
 CAS Number: 98-83-9
 Pathologist: GRUMBEIN, S.

Date Report Reqsted: 07/28/2005
 Time Report Reqsted: 9:58:03
 First Dose M/F: 07/30/01 / 07/30/01
 Lab: BNW

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

DOSE	Males			
	CONTROL	100 PPM	300 PPM	600 PPM

Liver
 Eosinophilic Focus

LESION RATES

OVERALL (a)	9/50 (18%)	5/50 (10%)	10/50 (20%)	6/50 (12%)
POLY-3 RATE (b)	9/45.05	5/41.83	10/47.63	6/43.02
POLY-3 PERCENT (g)	20%	12%	21%	14%
TERMINAL (d)	8/35 (23%)	3/32 (9%)	8/40 (20%)	6/36 (17%)
FIRST INCIDENCE	715	711	728	729 (T)

STATISTICAL TESTS

LIFE TABLE	P=0.343N	P=0.245N	P=0.568N	P=0.265N
POLY 3	P=0.415N	P=0.235N	P=0.554	P=0.320N
POLY 1.5	P=0.415N	P=0.224N	P=0.530	P=0.311N
POLY 6	P=0.410N	P=0.238N	P=0.585	P=0.321N
LOGISTIC REGRESSION	P=0.371N	P=0.230N	P=0.551N	P=0.279N
COCH-ARM / FISHERS	P=0.414N	P=0.194N	P=0.500	P=0.288N
ORDER RESTRICTED	P=0.359N	(e)	(e)	(e)

TDMS No. 88006-04

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: MICE/B6C3F1

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

ALPHA-METHYLSTYRENE

CAS Number: 98-83-9

Pathologist: GRUMBEIN, S.

Date Report Reqsted: 07/28/2005

Time Report Reqsted: 9:58:03

First Dose M/F: 07/30/01 / 07/30/01

Lab: BNW

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

DOSE	Males			
	CONTROL	100 PPM	300 PPM	600 PPM

Liver
Infarct

LESION RATES

OVERALL (a)	2/50 (4%)	0/50 (0%)	1/50 (2%)	2/50 (4%)
POLY-3 RATE (b)	2/45.01	0/41.75	1/47.62	2/43.02
POLY-3 PERCENT (g)	4.4%	0%	2.1%	4.7%
TERMINAL (d)	1/35 (3%)	0/32 (0%)	1/40 (3%)	2/36 (6%)
FIRST INCIDENCE	724	---	729 (T)	729 (T)

STATISTICAL TESTS

LIFE TABLE	P=0.448	P=0.256N	P=0.449N	P=0.686N
POLY 3	P=0.431	P=0.254N	P=0.480N	P=0.678
POLY 1.5	P=0.428	P=0.250N	P=0.489N	P=0.682
POLY 6	P=0.434	P=0.256N	P=0.469N	P=0.677
LOGISTIC REGRESSION	P=0.437	P=0.253N	P=0.449N	P=0.695
COCH-ARM / FISHERS	P=0.422	P=0.247N	P=0.500N	P=0.691N
ORDER RESTRICTED	P=0.394	(e)	(e)	(e)

TDMS No. 88006-04
 Test Type: CHRONIC
 Route: RESPIRATORY EXPOSURE WHOLE BODY
 Species/Strain: MICE/B6C3F1

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
 ALPHA-METHYLSTYRENE
 CAS Number: 98-83-9
 Pathologist: GRUMBEIN, S.

Date Report Requested: 07/28/2005
 Time Report Requested: 9:58:03
 First Dose M/F: 07/30/01 / 07/30/01
 Lab: BNW

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

DOSE	Males			
	CONTROL	100 PPM	300 PPM	600 PPM

Liver
 Mixed Cell Focus

LESION RATES

OVERALL (a)	1/50 (2%)	3/50 (6%)	1/50 (2%)	2/50 (4%)
POLY-3 RATE (b)	1/44.99	3/41.75	1/47.62	2/43.02
POLY-3 PERCENT (g)	2.2%	7.2%	2.1%	4.7%
TERMINAL (d)	1/35 (3%)	3/32 (9%)	1/40 (3%)	2/36 (6%)
FIRST INCIDENCE	729 (T)	729 (T)	729 (T)	729 (T)

STATISTICAL TESTS

LIFE TABLE	P=0.600N	P=0.273	P=0.732N	P=0.510
POLY 3	P=0.556	P=0.279	P=0.748N	P=0.484
POLY 1.5	P=0.558	P=0.286	P=0.753N	P=0.489
POLY 6	P=0.558	P=0.276	P=0.740N	P=0.484
LOGISTIC REGRESSION	P=0.600N	P=0.273	P=0.732N	P=0.510
COCH-ARM / FISHERS	P=0.567	P=0.309	P=0.753N	P=0.500
ORDER RESTRICTED	P=0.444	(e)	(e)	(e)

TDMS No. 88006-04
 Test Type: CHRONIC
 Route: RESPIRATORY EXPOSURE WHOLE BODY
 Species/Strain: MICE/B6C3F1

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
 ALPHA-METHYLSTYRENE
 CAS Number: 98-83-9
 Pathologist: GRUMBEIN, S.

Date Report Requested: 07/28/2005
 Time Report Requested: 9:58:03
 First Dose M/F: 07/30/01 / 07/30/01
 Lab: BNW

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

DOSE	Males			
	CONTROL	100 PPM	300 PPM	600 PPM
Liver Necrosis				
LESION RATES				
OVERALL (a)	3/50 (6%)	4/50 (8%)	1/50 (2%)	4/50 (8%)
POLY-3 RATE (b)	3/45.89	4/42.23	1/47.70	4/44.47
POLY-3 PERCENT (g)	6.5%	9.5%	2.1%	9%
TERMINAL (d)	0/35 (0%)	0/32 (0%)	0/40 (0%)	0/36 (0%)
FIRST INCIDENCE	486	626	710	537
STATISTICAL TESTS				
LIFE TABLE	P=0.539	P=0.466	P=0.269N	P=0.482
POLY 3	P=0.529	P=0.455	P=0.292N	P=0.483
POLY 1.5	P=0.526	P=0.466	P=0.298N	P=0.486
POLY 6	P=0.537	P=0.450	P=0.283N	P=0.488
LOGISTIC REGRESSION	P=0.531	P=0.527	P=0.349N	P=0.612
COCH-ARM / FISHERS	P=0.526	P=0.500	P=0.309N	P=0.500
ORDER RESTRICTED	P=0.439	(e)	(e)	(e)

TDMS No. 88006-04
 Test Type: CHRONIC
 Route: RESPIRATORY EXPOSURE WHOLE BODY
 Species/Strain: MICE/B6C3F1

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
 ALPHA-METHYLSTYRENE
 CAS Number: 98-83-9
 Pathologist: GRUMBEIN, S.

Date Report Requested: 07/28/2005
 Time Report Requested: 9:58:03
 First Dose M/F: 07/30/01 / 07/30/01
 Lab: BNW

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

DOSE	Males			
	CONTROL	100 PPM	300 PPM	600 PPM

Liver
 Tension Lipidosis

LESION RATES

OVERALL (a)	3/50 (6%)	3/50 (6%)	3/50 (6%)	0/50 (0%)
POLY-3 RATE (b)	3/44.99	3/41.75	3/47.62	0/43.02
POLY-3 PERCENT (g)	6.7%	7.2%	6.3%	0%
TERMINAL (d)	3/35 (9%)	3/32 (9%)	3/40 (8%)	0/36 (0%)
FIRST INCIDENCE	729 (T)	729 (T)	729 (T)	---

STATISTICAL TESTS

LIFE TABLE	P=0.073N	P=0.622	P=0.600N	P=0.116N
POLY 3	P=0.092N	P=0.628	P=0.636N	P=0.127N
POLY 1.5	P=0.092N	P=0.636	P=0.647N	P=0.125N
POLY 6	P=0.091N	P=0.624	P=0.620N	P=0.127N
LOGISTIC REGRESSION	P=0.073N	P=0.622	P=0.600N	(e)
COCH-ARM / FISHERS	P=0.090N	P=0.661N	P=0.661N	P=0.121N
ORDER RESTRICTED	P=0.107N	(e)	(e)	(e)

TDMS No. 88006-04
 Test Type: CHRONIC
 Route: RESPIRATORY EXPOSURE WHOLE BODY
 Species/Strain: MICE/B6C3F1

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
 ALPHA-METHYLSTYRENE
 CAS Number: 98-83-9
 Pathologist: GRUMBEIN, S.

Date Report Requested: 07/28/2005
 Time Report Requested: 9:58:03
 First Dose M/F: 07/30/01 / 07/30/01
 Lab: BNW

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

DOSE	Males			
	CONTROL	100 PPM	300 PPM	600 PPM

**Lung: Alveolar Epithelium
 Hyperplasia**

LESION RATES

OVERALL (a)	6/50 (12%)	5/50 (10%)	2/50 (4%)	4/50 (8%)
POLY-3 RATE (b)	6/44.99	5/41.82	2/47.62	4/43.02
POLY-3 PERCENT (g)	13.3%	12%	4.2%	9.3%
TERMINAL (d)	6/35 (17%)	4/32 (13%)	2/40 (5%)	4/36 (11%)
FIRST INCIDENCE	729 (T)	711	729 (T)	729 (T)

STATISTICAL TESTS

LIFE TABLE	P=0.208N	P=0.561N	P=0.094N	P=0.350N
POLY 3	P=0.246N	P=0.551N	P=0.115N	P=0.398N
POLY 1.5	P=0.250N	P=0.538N	P=0.123N	P=0.390N
POLY 6	P=0.241N	P=0.555N	P=0.106N	P=0.399N
LOGISTIC REGRESSION	P=0.222N	P=0.547N	P=0.094N	P=0.350N
COCH-ARM / FISHERS	P=0.253N	P=0.500N	P=0.134N	P=0.370N
ORDER RESTRICTED	P=0.226N	(e)	(e)	(e)

TDMS No. 88006-04
 Test Type: CHRONIC
 Route: RESPIRATORY EXPOSURE WHOLE BODY
 Species/Strain: MICE/B6C3F1

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
 ALPHA-METHYLSTYRENE
 CAS Number: 98-83-9
 Pathologist: GRUMBEIN, S.

Date Report Reqsted: 07/28/2005
 Time Report Reqsted: 9:58:03
 First Dose M/F: 07/30/01 / 07/30/01
 Lab: BNW

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

DOSE	Males			
	CONTROL	100 PPM	300 PPM	600 PPM

Lung: Alveolus
 Infiltration Cellular Histiocyte

LESION RATES

OVERALL (a)	1/50 (2%)	1/50 (2%)	1/50 (2%)	1/50 (2%)
POLY-3 RATE (b)	1/45.07	1/41.82	1/48.15	1/43.02
POLY-3 PERCENT (g)	2.2%	2.4%	2.1%	2.3%
TERMINAL (d)	0/35 (0%)	0/32 (0%)	0/40 (0%)	1/36 (3%)
FIRST INCIDENCE	710	711	565	729 (T)

STATISTICAL TESTS

LIFE TABLE	P=0.616N	P=0.748	P=0.737N	P=0.757N
POLY 3	P=0.623	P=0.744	P=0.746N	P=0.750
POLY 1.5	P=0.625	P=0.748	P=0.752N	P=0.753
POLY 6	P=0.623N	P=0.742	P=0.737N	P=0.750
LOGISTIC REGRESSION	P=0.628N	P=0.747	P=0.737	P=0.753
COCH-ARM / FISHERS	P=0.630N	P=0.753N	P=0.753N	P=0.753N
ORDER RESTRICTED	P=0.733N	(e)	(e)	(e)

TDMS No. 88006-04

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: MICE/B6C3F1

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

ALPHA-METHYLSTYRENE

CAS Number: 98-83-9

Pathologist: GRUMBEIN, S.

Date Report Reqsted: 07/28/2005

Time Report Reqsted: 9:58:03

First Dose M/F: 07/30/01 / 07/30/01

Lab: BNW

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

DOSE	Males			
	CONTROL	100 PPM	300 PPM	600 PPM

Lung: Bronchiole
Hyperplasia

LESION RATES

OVERALL (a)	1/50 (2%)	0/50 (0%)	1/50 (2%)	2/50 (4%)
POLY-3 RATE (b)	1/44.99	0/41.75	1/47.62	2/43.82
POLY-3 PERCENT (g)	2.2%	0%	2.1%	4.6%
TERMINAL (d)	1/35 (3%)	0/32 (0%)	1/40 (3%)	1/36 (3%)
FIRST INCIDENCE	729 (T)	---	729 (T)	429

STATISTICAL TESTS

LIFE TABLE	P=0.235	P=0.518N	P=0.732N	P=0.504
POLY 3	P=0.228	P=0.515N	P=0.748N	P=0.491
POLY 1.5	P=0.226	P=0.511N	P=0.753N	P=0.493
POLY 6	P=0.231	P=0.516N	P=0.740N	P=0.492
LOGISTIC REGRESSION	P=0.224	(e)	P=0.732N	P=0.570
COCH-ARM / FISHERS	P=0.220	P=0.500N	P=0.753N	P=0.500
ORDER RESTRICTED	P=0.221	(e)	(e)	(e)

TDMS No. 88006-04
 Test Type: CHRONIC
 Route: RESPIRATORY EXPOSURE WHOLE BODY
 Species/Strain: MICE/B6C3F1

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
 ALPHA-METHYLSTYRENE
 CAS Number: 98-83-9
 Pathologist: GRUMBEIN, S.

Date Report Requested: 07/28/2005
 Time Report Requested: 9:58:03
 First Dose M/F: 07/30/01 / 07/30/01
 Lab: BNW

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

DOSE	Males			
	CONTROL	100 PPM	300 PPM	600 PPM

Mesentery: Fat
 Necrosis

LESION RATES

OVERALL (a)	5/5 (100%)	2/3 (67%)	1/2 (50%)	5/5 (100%)
POLY-3 RATE (b)	5/5.00	2/2.79	1/2.00	5/5.00
POLY-3 PERCENT (g)	100%	71.6%	50%	100%
TERMINAL (d)	4/4 (100%)	1/1 (100%)	1/2 (50%)	4/4 (100%)
FIRST INCIDENCE	555	550	729 (T)	719

STATISTICAL TESTS

LIFE TABLE	P=0.566N	P=0.734	P=0.160N	(e)
POLY 3	P=0.587	P=0.490N	P=0.285N	(e)
POLY 1.5	P=0.563	P=0.438N	P=0.285N	(e)
POLY 6	P=0.631	P=0.613N	P=0.285N	(e)
LOGISTIC REGRESSION	P=0.534	P=0.392N	P=0.160N	(e)
COCH-ARM / FISHERS	P=0.535	P=0.375N	P=0.286N	(e)
ORDER RESTRICTED	P=0.219	(e)	(e)	(e)

TDMS No. 88006-04
 Test Type: CHRONIC
 Route: RESPIRATORY EXPOSURE WHOLE BODY
 Species/Strain: MICE/B6C3F1

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
 ALPHA-METHYLSTYRENE
 CAS Number: 98-83-9
 Pathologist: GRUMBEIN, S.

Date Report Reqsted: 07/28/2005
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 First Dose M/F: 07/30/01 / 07/30/01
 Lab: BNW

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

DOSE	Males			
	CONTROL	100 PPM	300 PPM	600 PPM

**Nose: Olfactory Epithelium
 Atrophy**

LESION RATES

OVERALL (a)	0/50 (0%)	2/50 (4%)	8/50 (16%)	12/50 (24%)
POLY-3 RATE (b)	0/44.99	2/42.64	8/47.74	12/44.32
POLY-3 PERCENT (g)	0%	4.7%	16.8%	27.1%
TERMINAL (d)	0/35 (0%)	1/32 (3%)	7/40 (18%)	8/36 (22%)
FIRST INCIDENCE	---	348	698	522

STATISTICAL TESTS

LIFE TABLE	P<0.001**	P=0.226	P=0.009**	P<0.001**
POLY 3	P<0.001**	P=0.225	P=0.005**	P<0.001**
POLY 1.5	P<0.001**	P=0.228	P=0.004**	P<0.001**
POLY 6	P<0.001**	P=0.224	P=0.006**	P<0.001**
LOGISTIC REGRESSION	P<0.001**	P=0.365	P=0.007**	P<0.001**
COCH-ARM / FISHERS	P<0.001**	P=0.247	P=0.003**	P<0.001**
ORDER RESTRICTED	P<0.001**	(e)	(e)	(e)

TDMS No. 88006-04
 Test Type: CHRONIC
 Route: RESPIRATORY EXPOSURE WHOLE BODY
 Species/Strain: MICE/B6C3F1

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
 ALPHA-METHYLSTYRENE
 CAS Number: 98-83-9
 Pathologist: GRUMBEIN, S.

Date Report Requested: 07/28/2005
 Time Report Requested: 9:58:03
 First Dose M/F: 07/30/01 / 07/30/01
 Lab: BNW

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

DOSE	Males			
	CONTROL	100 PPM	300 PPM	600 PPM

**Nose: Olfactory Epithelium
 Degeneration Hyaline**

LESION RATES

OVERALL (a)	0/50 (0%)	1/50 (2%)	1/50 (2%)	0/50 (0%)
POLY-3 RATE (b)	0/44.99	1/41.75	1/47.62	0/43.02
POLY-3 PERCENT (g)	0%	2.4%	2.1%	0%
TERMINAL (d)	0/35 (0%)	1/32 (3%)	1/40 (3%)	0/36 (0%)
FIRST INCIDENCE	---	729 (T)	729 (T)	---

STATISTICAL TESTS

LIFE TABLE	P=0.544N	P=0.482	P=0.527	(e)
POLY 3	P=0.571N	P=0.485	P=0.511	(e)
POLY 1.5	P=0.569N	P=0.489	P=0.506	(e)
POLY 6	P=0.570N	P=0.484	P=0.518	(e)
LOGISTIC REGRESSION	(e)	P=0.482	P=0.527	(e)
COCH-ARM / FISHERS	P=0.562N	P=0.500	P=0.500	(e)
ORDER RESTRICTED	P=0.401	(e)	(e)	(e)

TDMS No. 88006-04
 Test Type: CHRONIC
 Route: RESPIRATORY EXPOSURE WHOLE BODY
 Species/Strain: MICE/B6C3F1

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
 ALPHA-METHYLSTYRENE
 CAS Number: 98-83-9
 Pathologist: GRUMBEIN, S.

Date Report Requested: 07/28/2005
 Time Report Requested: 9:58:03
 First Dose M/F: 07/30/01 / 07/30/01
 Lab: BNW

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

DOSE	Males			
	CONTROL	100 PPM	300 PPM	600 PPM

**Nose: Olfactory Epithelium
 Metaplasia**

LESION RATES

OVERALL (a)	6/50 (12%)	47/50 (94%)	49/50 (98%)	49/50 (98%)
POLY-3 RATE (b)	6/45.17	47/49.01	49/49.88	49/50.00
POLY-3 PERCENT (g)	13.3%	95.9%	98.2%	98%
TERMINAL (d)	5/35 (14%)	31/32 (97%)	40/40 (100%)	35/36 (97%)
FIRST INCIDENCE	684	236	383	327

STATISTICAL TESTS

LIFE TABLE	P<0.001**	P<0.001**	P<0.001**	P<0.001**
POLY 3	P<0.001**	P<0.001**	P<0.001**	P<0.001**
POLY 1.5	P<0.001**	P<0.001**	P<0.001**	P<0.001**
POLY 6	P<0.001**	P<0.001**	P<0.001**	P<0.001**
LOGISTIC REGRESSION	P<0.001**	P<0.001**	P<0.001**	P<0.001**
COCH-ARM / FISHERS	P<0.001**	P<0.001**	P<0.001**	P<0.001**
ORDER RESTRICTED	P<0.001**	(e)	(e)	(e)

TDMS No. 88006-04
 Test Type: CHRONIC
 Route: RESPIRATORY EXPOSURE WHOLE BODY
 Species/Strain: MICE/B6C3F1

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
 ALPHA-METHYLSTYRENE
 CAS Number: 98-83-9
 Pathologist: GRUMBEIN, S.

Date Report Requested: 07/28/2005
 Time Report Requested: 9:58:03
 First Dose M/F: 07/30/01 / 07/30/01
 Lab: BNW

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

DOSE	Males			
	CONTROL	100 PPM	300 PPM	600 PPM

**Nose: Olfactory Epithelium, Glands
 Hyperplasia**

LESION RATES

OVERALL (a)	4/50 (8%)	50/50 (100%)	50/50 (100%)	50/50 (100%)
POLY-3 RATE (b)	4/45.17	50/50.00	50/50.00	50/50.00
POLY-3 PERCENT (g)	8.9%	100%	100%	100%
TERMINAL (d)	3/35 (9%)	32/32 (100%)	40/40 (100%)	36/36 (100%)
FIRST INCIDENCE	684	236	383	327

STATISTICAL TESTS

LIFE TABLE	P<0.001**	P<0.001**	P<0.001**	P<0.001**
POLY 3	P<0.001**	P<0.001**	P<0.001**	P<0.001**
POLY 1.5	P<0.001**	P<0.001**	P<0.001**	P<0.001**
POLY 6	P<0.001**	P<0.001**	P<0.001**	P<0.001**
LOGISTIC REGRESSION	P<0.001**	P<0.001**	P<0.001**	P<0.001**
COCH-ARM / FISHERS	P<0.001**	P<0.001**	P<0.001**	P<0.001**
ORDER RESTRICTED	P<0.001**	(e)	(e)	(e)

TDMS No. 88006-04
 Test Type: CHRONIC
 Route: RESPIRATORY EXPOSURE WHOLE BODY
 Species/Strain: MICE/B6C3F1

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
 ALPHA-METHYLSTYRENE
 CAS Number: 98-83-9
 Pathologist: GRUMBEIN, S.

Date Report Reqsted: 07/28/2005
 Time Report Reqsted: 9:58:03
 First Dose M/F: 07/30/01 / 07/30/01
 Lab: BNW

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

DOSE	Males			
	CONTROL	100 PPM	300 PPM	600 PPM

**Pituitary Gland: Pars Distalis
 Angiectasis**

LESION RATES

OVERALL (a)	0/48 (0%)	0/47 (0%)	0/49 (0%)	0/45 (0%)
POLY-3 RATE (b)	0/42.99	0/40.69	0/46.85	0/39.31
POLY-3 PERCENT (g)	0%	0%	0%	0%
TERMINAL (d)	0/33 (0%)	0/32 (0%)	0/40 (0%)	0/34 (0%)
FIRST INCIDENCE	---	---	---	---

STATISTICAL TESTS

LIFE TABLE	(e)	(e)	(e)	(e)
POLY 3	(e)	(e)	(e)	(e)
POLY 1.5	(e)	(e)	(e)	(e)
POLY 6	(e)	(e)	(e)	(e)
LOGISTIC REGRESSION	(e)	(e)	(e)	(e)
COCH-ARM / FISHERS	(e)	(e)	(e)	(e)
ORDER RESTRICTED	(e)	(e)	(e)	(e)

TDMS No. 88006-04
 Test Type: CHRONIC
 Route: RESPIRATORY EXPOSURE WHOLE BODY
 Species/Strain: MICE/B6C3F1

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
 ALPHA-METHYLSTYRENE
 CAS Number: 98-83-9
 Pathologist: GRUMBEIN, S.

Date Report Reqsted: 07/28/2005
 Time Report Reqsted: 9:58:03
 First Dose M/F: 07/30/01 / 07/30/01
 Lab: BNW

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

DOSE	Males			
	CONTROL	100 PPM	300 PPM	600 PPM

**Pituitary Gland: Pars Distalis
 Hyperplasia**

LESION RATES

OVERALL (a)	0/48 (0%)	1/47 (2%)	1/49 (2%)	0/45 (0%)
POLY-3 RATE (b)	0/42.99	1/40.69	1/46.85	0/39.31
POLY-3 PERCENT (g)	0%	2.5%	2.1%	0%
TERMINAL (d)	0/33 (0%)	1/32 (3%)	1/40 (3%)	0/34 (0%)
FIRST INCIDENCE	---	729 (T)	729 (T)	---

STATISTICAL TESTS

LIFE TABLE	P=0.547N	P=0.494	P=0.538	(e)
POLY 3	P=0.577N	P=0.489	P=0.517	(e)
POLY 1.5	P=0.577N	P=0.490	P=0.511	(e)
POLY 6	P=0.573N	P=0.490	P=0.525	(e)
LOGISTIC REGRESSION	(e)	P=0.494	P=0.538	(e)
COCH-ARM / FISHERS	P=0.573N	P=0.495	P=0.505	(e)
ORDER RESTRICTED	P=0.409	(e)	(e)	(e)

TDMS No. 88006-04
 Test Type: CHRONIC
 Route: RESPIRATORY EXPOSURE WHOLE BODY
 Species/Strain: MICE/B6C3F1

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
 ALPHA-METHYLSTYRENE
 CAS Number: 98-83-9
 Pathologist: GRUMBEIN, S.

Date Report Requested: 07/28/2005
 Time Report Requested: 9:58:03
 First Dose M/F: 07/30/01 / 07/30/01
 Lab: BNW

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

DOSE	Males			
	CONTROL	100 PPM	300 PPM	600 PPM

**Preputial Gland
 Inflammation Chronic**

LESION RATES

OVERALL (a)	0/50 (0%)	0/50 (0%)	2/50 (4%)	1/50 (2%)
POLY-3 RATE (b)	0/44.99	0/41.75	2/48.28	1/43.02
POLY-3 PERCENT (g)	0%	0%	4.1%	2.3%
TERMINAL (d)	0/35 (0%)	0/32 (0%)	0/40 (0%)	1/36 (3%)
FIRST INCIDENCE	---	---	565	729 (T)

STATISTICAL TESTS

LIFE TABLE	P=0.231	(e)	P=0.268	P=0.506
POLY 3	P=0.214	(e)	P=0.253	P=0.491
POLY 1.5	P=0.217	(e)	P=0.246	P=0.493
POLY 6	P=0.213	(e)	P=0.263	P=0.491
LOGISTIC REGRESSION	P=0.226	(e)	P=0.205	P=0.506
COCH-ARM / FISHERS	P=0.223	(e)	P=0.247	P=0.500
ORDER RESTRICTED	P=0.182	(e)	(e)	(e)

TDMS No. 88006-04
 Test Type: CHRONIC
 Route: RESPIRATORY EXPOSURE WHOLE BODY
 Species/Strain: MICE/B6C3F1

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
 ALPHA-METHYLSTYRENE
 CAS Number: 98-83-9
 Pathologist: GRUMBEIN, S.

Date Report Requested: 07/28/2005
 Time Report Requested: 9:58:03
 First Dose M/F: 07/30/01 / 07/30/01
 Lab: BNW

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

DOSE	Males			
	CONTROL	100 PPM	300 PPM	600 PPM

**Prostate
 Inflammation**

LESION RATES

OVERALL (a)	4/50 (8%)	1/49 (2%)	2/49 (4%)	1/49 (2%)
POLY-3 RATE (b)	4/46.30	1/42.05	2/47.15	1/42.99
POLY-3 PERCENT (g)	8.6%	2.4%	4.2%	2.3%
TERMINAL (d)	1/35 (3%)	0/32 (0%)	1/39 (3%)	0/36 (0%)
FIRST INCIDENCE	486	348	565	327

STATISTICAL TESTS

LIFE TABLE	P=0.194N	P=0.214N	P=0.309N	P=0.199N
POLY 3	P=0.192N	P=0.209N	P=0.329N	P=0.202N
POLY 1.5	P=0.194N	P=0.202N	P=0.337N	P=0.196N
POLY 6	P=0.191N	P=0.214N	P=0.319N	P=0.206N
LOGISTIC REGRESSION	P=0.176N	P=0.060N	P=0.426N	P=0.060N
COCH-ARM / FISHERS	P=0.198N	P=0.187N	P=0.349N	P=0.187N
ORDER RESTRICTED	P=0.115N	(e)	(e)	(e)

TDMS No. 88006-04
 Test Type: CHRONIC
 Route: RESPIRATORY EXPOSURE WHOLE BODY
 Species/Strain: MICE/B6C3F1

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
 ALPHA-METHYLSTYRENE
 CAS Number: 98-83-9
 Pathologist: GRUMBEIN, S.

Date Report Requested: 07/28/2005
 Time Report Requested: 9:58:03
 First Dose M/F: 07/30/01 / 07/30/01
 Lab: BNW

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

DOSE	Males			
	CONTROL	100 PPM	300 PPM	600 PPM

**Skin
 Inflammation Chronic**

LESION RATES

OVERALL (a)	9/50 (18%)	2/50 (4%)	4/50 (8%)	3/50 (6%)
POLY-3 RATE (b)	9/46.81	2/41.75	4/47.63	3/43.93
POLY-3 PERCENT (g)	19.2%	4.8%	8.4%	6.8%
TERMINAL (d)	3/35 (9%)	2/32 (6%)	3/40 (8%)	2/36 (6%)
FIRST INCIDENCE	570	729 (T)	726	327

STATISTICAL TESTS

LIFE TABLE	P=0.098N	P=0.047N*	P=0.089N	P=0.077N
POLY 3	P=0.094N	P=0.040N*	P=0.109N	P=0.074N
POLY 1.5	P=0.097N	P=0.035N*	P=0.112N	P=0.069N
POLY 6	P=0.093N	P=0.045N*	P=0.106N	P=0.081N
LOGISTIC REGRESSION	P=0.107N	P=0.025N*	P=0.138N	P=0.037N*
COCH-ARM / FISHERS	P=0.107N	P=0.026N*	P=0.117N	P=0.061N
ORDER RESTRICTED	P=0.031N*	(e)	(e)	(e)

TDMS No. 88006-04
 Test Type: CHRONIC
 Route: RESPIRATORY EXPOSURE WHOLE BODY
 Species/Strain: MICE/B6C3F1

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
 ALPHA-METHYLSTYRENE
 CAS Number: 98-83-9
 Pathologist: GRUMBEIN, S.

Date Report Reqsted: 07/28/2005
 Time Report Reqsted: 9:58:03
 First Dose M/F: 07/30/01 / 07/30/01
 Lab: BNW

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

DOSE	Males			
	CONTROL	100 PPM	300 PPM	600 PPM

**Spleen
 Hematopoietic Cell Proliferation**

LESION RATES

OVERALL (a)	2/50 (4%)	2/49 (4%)	3/49 (6%)	1/47 (2%)
POLY-3 RATE (b)	2/45.75	2/41.26	3/46.94	1/41.05
POLY-3 PERCENT (g)	4.4%	4.9%	6.4%	2.4%
TERMINAL (d)	1/35 (3%)	1/32 (3%)	1/40 (3%)	0/36 (0%)
FIRST INCIDENCE	456	704	710	719

STATISTICAL TESTS

LIFE TABLE	P=0.383N	P=0.666	P=0.553	P=0.501N
POLY 3	P=0.435N	P=0.656	P=0.512	P=0.538N
POLY 1.5	P=0.435N	P=0.664	P=0.502	P=0.534N
POLY 6	P=0.430N	P=0.655	P=0.527	P=0.536N
LOGISTIC REGRESSION	P=0.430N	P=0.671N	P=0.443	P=0.463N
COCH-ARM / FISHERS	P=0.430N	P=0.684	P=0.490	P=0.523N
ORDER RESTRICTED	P=0.427N	(e)	(e)	(e)

TDMS No. 88006-04
 Test Type: CHRONIC
 Route: RESPIRATORY EXPOSURE WHOLE BODY
 Species/Strain: MICE/B6C3F1

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
 ALPHA-METHYLSTYRENE
 CAS Number: 98-83-9
 Pathologist: GRUMBEIN, S.

Date Report Reqsted: 07/28/2005
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 First Dose M/F: 07/30/01 / 07/30/01
 Lab: BNW

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

DOSE	Males			
	CONTROL	100 PPM	300 PPM	600 PPM

Spleen
 Hyperplasia Lymphoid

LESION RATES

OVERALL (a)	0/50 (0%)	0/49 (0%)	1/49 (2%)	0/47 (0%)
POLY-3 RATE (b)	0/44.99	0/41.16	1/46.93	0/41.01
POLY-3 PERCENT (g)	0%	0%	2.1%	0%
TERMINAL (d)	0/35 (0%)	0/32 (0%)	0/40 (0%)	0/36 (0%)
FIRST INCIDENCE	---	---	710	---

STATISTICAL TESTS

LIFE TABLE	P=0.677	(e)	P=0.529	(e)
POLY 3	P=0.651	(e)	P=0.508	(e)
POLY 1.5	P=0.654	(e)	P=0.503	(e)
POLY 6	P=0.652	(e)	P=0.516	(e)
LOGISTIC REGRESSION	P=0.664	(e)	P=0.499	(e)
COCH-ARM / FISHERS	P=0.662	(e)	P=0.495	(e)
ORDER RESTRICTED	P=0.390	(e)	(e)	(e)

TDMS No. 88006-04
 Test Type: CHRONIC
 Route: RESPIRATORY EXPOSURE WHOLE BODY
 Species/Strain: MICE/B6C3F1

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
 ALPHA-METHYLSTYRENE
 CAS Number: 98-83-9
 Pathologist: GRUMBEIN, S.

Date Report Requested: 07/28/2005
 Time Report Requested: 9:58:03
 First Dose M/F: 07/30/01 / 07/30/01
 Lab: BNW

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

DOSE	Males			
	CONTROL	100 PPM	300 PPM	600 PPM

**Stomach, Forestomach
 Inflammation**

LESION RATES

OVERALL (a)	0/50 (0%)	2/49 (4%)	1/49 (2%)	5/48 (10%)
POLY-3 RATE (b)	0/44.99	2/41.77	1/46.85	5/41.88
POLY-3 PERCENT (g)	0%	4.8%	2.1%	11.9%
TERMINAL (d)	0/35 (0%)	1/32 (3%)	1/40 (3%)	3/36 (8%)
FIRST INCIDENCE	---	532	729 (T)	609

STATISTICAL TESTS

LIFE TABLE	P=0.020*	P=0.221	P=0.527	P=0.036*
POLY 3	P=0.014*	P=0.221	P=0.508	P=0.025*
POLY 1.5	P=0.014*	P=0.223	P=0.503	P=0.025*
POLY 6	P=0.014*	P=0.222	P=0.515	P=0.025*
LOGISTIC REGRESSION	P=0.015*	P=0.267	P=0.527	P=0.027*
COCH-ARM / FISHERS	P=0.015*	P=0.242	P=0.495	P=0.025*
ORDER RESTRICTED	P=0.005**	(e)	(e)	(e)

TDMS No. 88006-04
 Test Type: CHRONIC
 Route: RESPIRATORY EXPOSURE WHOLE BODY
 Species/Strain: MICE/B6C3F1

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
 ALPHA-METHYLSTYRENE
 CAS Number: 98-83-9
 Pathologist: GRUMBEIN, S.

Date Report Reqsted: 07/28/2005
 Time Report Reqsted: 9:58:03
 First Dose M/F: 07/30/01 / 07/30/01
 Lab: BNW

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

DOSE	Males			
	CONTROL	100 PPM	300 PPM	600 PPM

Stomach, Forestomach
 Ulcer

LESION RATES

OVERALL (a)	3/50 (6%)	3/49 (6%)	0/49 (0%)	1/48 (2%)
POLY-3 RATE (b)	3/45.31	3/41.84	0/46.85	1/41.42
POLY-3 PERCENT (g)	6.6%	7.2%	0%	2.4%
TERMINAL (d)	1/35 (3%)	1/32 (3%)	0/40 (0%)	1/36 (3%)
FIRST INCIDENCE	659	532	---	729 (T)

STATISTICAL TESTS

LIFE TABLE	P=0.113N	P=0.620	P=0.103N	P=0.311N
POLY 3	P=0.123N	P=0.625	P=0.113N	P=0.338N
POLY 1.5	P=0.125N	P=0.631	P=0.117N	P=0.333N
POLY 6	P=0.121N	P=0.626	P=0.108N	P=0.339N
LOGISTIC REGRESSION	P=0.126N	P=0.663	P=0.126N	P=0.332N
COCH-ARM / FISHERS	P=0.126N	P=0.651	P=0.125N	P=0.324N
ORDER RESTRICTED	P=0.135N	(e)	(e)	(e)

TDMS No. 88006-04
 Test Type: CHRONIC
 Route: RESPIRATORY EXPOSURE WHOLE BODY
 Species/Strain: MICE/B6C3F1

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
 ALPHA-METHYLSTYRENE
 CAS Number: 98-83-9
 Pathologist: GRUMBEIN, S.

Date Report Requested: 07/28/2005
 Time Report Requested: 9:58:03
 First Dose M/F: 07/30/01 / 07/30/01
 Lab: BNW

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

DOSE	Males			
	CONTROL	100 PPM	300 PPM	600 PPM

**Stomach, Forestomach: Epithelium
 Hyperplasia**

LESION RATES

OVERALL (a)	1/50 (2%)	4/49 (8%)	7/49 (14%)	11/48 (23%)
POLY-3 RATE (b)	1/45.07	4/41.94	7/47.38	11/43.69
POLY-3 PERCENT (g)	2.2%	9.5%	14.8%	25.2%
TERMINAL (d)	0/35 (0%)	1/32 (3%)	6/40 (15%)	6/36 (17%)
FIRST INCIDENCE	710	532	565	460

STATISTICAL TESTS

LIFE TABLE	P=0.002**	P=0.167	P=0.051	P=0.004**
POLY 3	P<0.001**	P=0.157	P=0.036*	P<0.001**
POLY 1.5	P<0.001**	P=0.160	P=0.032*	P<0.001**
POLY 6	P<0.001**	P=0.159	P=0.041*	P=0.002**
LOGISTIC REGRESSION	P<0.001**	P=0.176	P=0.029*	P=0.003**
COCH-ARM / FISHERS	P<0.001**	P=0.175	P=0.028*	P<0.001**
ORDER RESTRICTED	P<0.001**	(e)	(e)	(e)

TDMS No. 88006-04
 Test Type: CHRONIC
 Route: RESPIRATORY EXPOSURE WHOLE BODY
 Species/Strain: MICE/B6C3F1

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
 ALPHA-METHYLSTYRENE
 CAS Number: 98-83-9
 Pathologist: GRUMBEIN, S.

Date Report Requested: 07/28/2005
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 First Dose M/F: 07/30/01 / 07/30/01
 Lab: BNW

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

DOSE	Males			
	CONTROL	100 PPM	300 PPM	600 PPM

**Stomach, Glandular
 Hyperplasia**

LESION RATES

OVERALL (a)	1/48 (2%)	0/47 (0%)	2/49 (4%)	0/47 (0%)
POLY-3 RATE (b)	1/43.31	0/39.83	2/46.85	0/41.01
POLY-3 PERCENT (g)	2.3%	0%	4.3%	0%
TERMINAL (d)	1/35 (3%)	0/32 (0%)	2/40 (5%)	0/36 (0%)
FIRST INCIDENCE	729 (T)	---	729 (T)	---

STATISTICAL TESTS

LIFE TABLE	P=0.478N	P=0.518N	P=0.547	P=0.494N
POLY 3	P=0.500N	P=0.517N	P=0.527	P=0.511N
POLY 1.5	P=0.501N	P=0.514N	P=0.519	P=0.509N
POLY 6	P=0.498N	P=0.517N	P=0.539	P=0.510N
LOGISTIC REGRESSION	P=0.478N	(e)	P=0.547	(e)
COCH-ARM / FISHERS	P=0.502N	P=0.505N	P=0.508	P=0.505N
ORDER RESTRICTED	P=0.336N	(e)	(e)	(e)

TDMS No. 88006-04
 Test Type: CHRONIC
 Route: RESPIRATORY EXPOSURE WHOLE BODY
 Species/Strain: MICE/B6C3F1

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
 ALPHA-METHYLSTYRENE
 CAS Number: 98-83-9
 Pathologist: GRUMBEIN, S.

Date Report Requested: 07/28/2005
 Time Report Requested: 9:58:03
 First Dose M/F: 07/30/01 / 07/30/01
 Lab: BNW

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

DOSE	Males			
	CONTROL	100 PPM	300 PPM	600 PPM

**Stomach, Glandular
 Necrosis**

LESION RATES

OVERALL (a)	1/48 (2%)	1/47 (2%)	0/49 (0%)	0/47 (0%)
POLY-3 RATE (b)	1/44.06	1/40.19	0/46.85	0/41.01
POLY-3 PERCENT (g)	2.3%	2.5%	0%	0%
TERMINAL (d)	0/35 (0%)	0/32 (0%)	0/40 (0%)	0/36 (0%)
FIRST INCIDENCE	456	626	---	---

STATISTICAL TESTS

LIFE TABLE	P=0.224N	P=0.740	P=0.504N	P=0.512N
POLY 3	P=0.217N	P=0.740	P=0.488N	P=0.514N
POLY 1.5	P=0.219N	P=0.743	P=0.492N	P=0.512N
POLY 6	P=0.215N	P=0.740	P=0.482N	P=0.515N
LOGISTIC REGRESSION	P=0.220N	P=0.648N	P=0.424N	P=0.255N
COCH-ARM / FISHERS	P=0.219N	P=0.747	P=0.495N	P=0.505N
ORDER RESTRICTED	P=0.248N	(e)	(e)	(e)

TDMS No. 88006-04
 Test Type: CHRONIC
 Route: RESPIRATORY EXPOSURE WHOLE BODY
 Species/Strain: MICE/B6C3F1

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
 ALPHA-METHYLSTYRENE
 CAS Number: 98-83-9
 Pathologist: GRUMBEIN, S.

Date Report Requested: 07/28/2005
 Time Report Requested: 9:58:03
 First Dose M/F: 07/30/01 / 07/30/01
 Lab: BNW

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

DOSE	Males			
	CONTROL	100 PPM	300 PPM	600 PPM

**Testes
 Atrophy**

LESION RATES

OVERALL (a)	4/50 (8%)	1/50 (2%)	1/50 (2%)	2/50 (4%)
POLY-3 RATE (b)	4/44.99	1/42.64	1/47.62	2/43.02
POLY-3 PERCENT (g)	8.9%	2.4%	2.1%	4.7%
TERMINAL (d)	4/35 (11%)	0/32 (0%)	1/40 (3%)	2/36 (6%)
FIRST INCIDENCE	729 (T)	348	729 (T)	729 (T)

STATISTICAL TESTS

LIFE TABLE	P=0.317N	P=0.206N	P=0.141N	P=0.323N
POLY 3	P=0.335N	P=0.195N	P=0.162N	P=0.358N
POLY 1.5	P=0.339N	P=0.191N	P=0.170N	P=0.352N
POLY 6	P=0.330N	P=0.196N	P=0.153N	P=0.358N
LOGISTIC REGRESSION	P=0.346N	P=0.142N	P=0.141N	P=0.323N
COCH-ARM / FISHERS	P=0.347N	P=0.181N	P=0.181N	P=0.339N
ORDER RESTRICTED	P=0.144N	(e)	(e)	(e)

TDMS No. 88006-04

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: MICE/B6C3F1

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

ALPHA-METHYLSTYRENE

CAS Number: 98-83-9

Pathologist: GRUMBEIN, S.

Date Report Requested: 07/28/2005

Time Report Requested: 9:58:03

First Dose M/F: 07/30/01 / 07/30/01

Lab: BNW

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

DOSE	Males			
	CONTROL	100 PPM	300 PPM	600 PPM

Thyroid Gland: Follicular Cell
Hyperplasia

LESION RATES

OVERALL (a)	14/50 (28%)	11/50 (22%)	22/50 (44%)	16/50 (32%)
POLY-3 RATE (b)	14/45.09	11/42.36	22/48.06	16/43.18
POLY-3 PERCENT (g)	31.1%	26%	45.8%	37.1%
TERMINAL (d)	12/35 (34%)	9/32 (28%)	19/40 (48%)	14/36 (39%)
FIRST INCIDENCE	710	532	608	705

STATISTICAL TESTS

LIFE TABLE	P=0.258	P=0.415N	P=0.174	P=0.447
POLY 3	P=0.155	P=0.386N	P=0.104	P=0.355
POLY 1.5	P=0.161	P=0.372N	P=0.088	P=0.371
POLY 6	P=0.158	P=0.388N	P=0.130	P=0.352
LOGISTIC REGRESSION	P=0.168	P=0.408N	P=0.140	P=0.382
COCH-ARM / FISHERS	P=0.176	P=0.322N	P=0.072	P=0.414
ORDER RESTRICTED	P=0.151	(e)	(e)	(e)

TDMS No. 88006-04
 Test Type: CHRONIC
 Route: RESPIRATORY EXPOSURE WHOLE BODY
 Species/Strain: MICE/B6C3F1

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
 ALPHA-METHYLSTYRENE
 CAS Number: 98-83-9
 Pathologist: GRUMBEIN, S.

Date Report Reqsted: 07/28/2005
 Time Report Reqsted: 9:58:03
 First Dose M/F: 07/30/01 / 07/30/01
 Lab: BNW

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

DOSE	Males			
	CONTROL	100 PPM	300 PPM	600 PPM
Tooth Malformation				
LESION RATES				
OVERALL (a)	0/0 (0%)	1/1 (100%)	2/2 (100%)	1/1 (100%)
POLY-3 RATE (b)	0/0.00	1/1.00	2/2.00	1/1.00
POLY-3 PERCENT (g)	0%	100%	100%	100%
TERMINAL (d)	0/0 (0%)	0/0 (0%)	2/2 (100%)	1/1 (100%)
FIRST INCIDENCE	---	481	729 (T)	729 (T)
STATISTICAL TESTS				
LIFE TABLE	(e)	(e)	(e)	(e)
POLY 3	(e)	(e)	(e)	(e)
POLY 1.5	(e)	(e)	(e)	(e)
POLY 6	(e)	(e)	(e)	(e)
LOGISTIC REGRESSION	(e)	(e)	(e)	(e)
COCH-ARM / FISHERS	(e)	(e)	(e)	(e)
ORDER RESTRICTED	(e)	(e)	(e)	(e)

TDMS No. 88006-04
 Test Type: CHRONIC
 Route: RESPIRATORY EXPOSURE WHOLE BODY
 Species/Strain: MICE/B6C3F1

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
 ALPHA-METHYLSTYRENE
 CAS Number: 98-83-9
 Pathologist: GRUMBEIN, S.

Date Report Requested: 07/28/2005
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 First Dose M/F: 07/30/01 / 07/30/01
 Lab: BNW

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

DOSE	Males			
	CONTROL	100 PPM	300 PPM	600 PPM

**Urinary Bladder: Transitional Epithelium
 Hyperplasia**

LESION RATES

OVERALL (a)	0/50 (0%)	1/48 (2%)	2/50 (4%)	0/48 (0%)
POLY-3 RATE (b)	0/44.99	1/41.62	2/47.63	0/41.71
POLY-3 PERCENT (g)	0%	2.4%	4.2%	0%
TERMINAL (d)	0/35 (0%)	0/32 (0%)	1/40 (3%)	0/36 (0%)
FIRST INCIDENCE	---	348	726	---

STATISTICAL TESTS

LIFE TABLE	P=0.587N	P=0.492	P=0.278	(e)
POLY 3	P=0.618N	P=0.484	P=0.250	(e)
POLY 1.5	P=0.615N	P=0.485	P=0.244	(e)
POLY 6	P=0.617N	P=0.486	P=0.258	(e)
LOGISTIC REGRESSION	P=0.604N	P=0.928	P=0.270	(e)
COCH-ARM / FISHERS	P=0.607N	P=0.490	P=0.247	(e)
ORDER RESTRICTED	P=0.329	(e)	(e)	(e)

TDMS No. 88006-04
 Test Type: CHRONIC
 Route: RESPIRATORY EXPOSURE WHOLE BODY
 Species/Strain: MICE/B6C3F1

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
 ALPHA-METHYLSTYRENE
 CAS Number: 98-83-9
 Pathologist: GRUMBEIN, S.

Date Report Requested: 07/28/2005
 Time Report Requested: 9:58:03
 First Dose M/F: 07/30/01 / 07/30/01
 Lab: BNW

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

DOSE	Females			
	CONTROL	100 PPM	300 PPM	600 PPM

**Adrenal Cortex
 Hyperplasia**

LESION RATES

OVERALL (a)	2/50 (4%)	2/50 (4%)	3/50 (6%)	1/50 (2%)
POLY-3 RATE (b)	2/45.99	2/44.96	3/44.22	1/46.26
POLY-3 PERCENT (g)	4.4%	4.5%	6.8%	2.2%
TERMINAL (d)	2/39 (5%)	2/38 (5%)	3/37 (8%)	0/37 (0%)
FIRST INCIDENCE	731 (T)	731 (T)	731 (T)	684

STATISTICAL TESTS

LIFE TABLE	P=0.425N	P=0.686	P=0.476	P=0.512N
POLY 3	P=0.402N	P=0.686	P=0.482	P=0.498N
POLY 1.5	P=0.402N	P=0.689	P=0.483	P=0.497N
POLY 6	P=0.403N	P=0.683	P=0.483	P=0.500N
LOGISTIC REGRESSION	P=0.409N	P=0.686	P=0.476	P=0.499N
COCH-ARM / FISHERS	P=0.407N	P=0.691N	P=0.500	P=0.500N
ORDER RESTRICTED	P=0.381N	(e)	(e)	(e)

TDMS No. 88006-04
 Test Type: CHRONIC
 Route: RESPIRATORY EXPOSURE WHOLE BODY
 Species/Strain: MICE/B6C3F1

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
 ALPHA-METHYLSTYRENE
 CAS Number: 98-83-9
 Pathologist: GRUMBEIN, S.

Date Report Requested: 07/28/2005
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 First Dose M/F: 07/30/01 / 07/30/01
 Lab: BNW

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

DOSE	Females			
	CONTROL	100 PPM	300 PPM	600 PPM

**Adrenal Cortex
 Hypertrophy**

LESION RATES

OVERALL (a)	1/50 (2%)	1/50 (2%)	1/50 (2%)	2/50 (4%)
POLY-3 RATE (b)	1/45.99	1/44.96	1/44.22	2/46.49
POLY-3 PERCENT (g)	2.2%	2.2%	2.3%	4.3%
TERMINAL (d)	1/39 (3%)	1/38 (3%)	1/37 (3%)	1/37 (3%)
FIRST INCIDENCE	731 (T)	731 (T)	731 (T)	612

STATISTICAL TESTS

LIFE TABLE	P=0.336	P=0.756	P=0.750	P=0.488
POLY 3	P=0.353	P=0.756	P=0.752	P=0.504
POLY 1.5	P=0.352	P=0.758	P=0.752	P=0.504
POLY 6	P=0.352	P=0.754	P=0.752	P=0.502
LOGISTIC REGRESSION	P=0.348	P=0.756	P=0.750	P=0.494
COCH-ARM / FISHERS	P=0.346	P=0.753N	P=0.753N	P=0.500
ORDER RESTRICTED	P=0.420	(e)	(e)	(e)

TDMS No. 88006-04
 Test Type: CHRONIC
 Route: RESPIRATORY EXPOSURE WHOLE BODY
 Species/Strain: MICE/B6C3F1

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
 ALPHA-METHYLSTYRENE
 CAS Number: 98-83-9
 Pathologist: GRUMBEIN, S.

Date Report Requested: 07/28/2005
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 First Dose M/F: 07/30/01 / 07/30/01
 Lab: BNW

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

DOSE	Females			
	CONTROL	100 PPM	300 PPM	600 PPM

**Adrenal Medulla
 Hyperplasia**

LESION RATES

OVERALL (a)	4/50 (8%)	3/50 (6%)	5/49 (10%)	4/49 (8%)
POLY-3 RATE (b)	4/45.99	3/45.56	5/43.47	4/45.15
POLY-3 PERCENT (g)	8.7%	6.6%	11.5%	8.9%
TERMINAL (d)	4/39 (10%)	2/38 (5%)	5/37 (14%)	3/36 (8%)
FIRST INCIDENCE	731 (T)	537	731 (T)	712

STATISTICAL TESTS

LIFE TABLE	P=0.432	P=0.515N	P=0.467	P=0.601
POLY 3	P=0.465	P=0.505N	P=0.465	P=0.633
POLY 1.5	P=0.468	P=0.502N	P=0.464	P=0.636
POLY 6	P=0.459	P=0.506N	P=0.468	P=0.628
LOGISTIC REGRESSION	P=0.465	P=0.502N	P=0.467	P=0.611
COCH-ARM / FISHERS	P=0.463	P=0.500N	P=0.487	P=0.631
ORDER RESTRICTED	P=0.529	(e)	(e)	(e)

TDMS No. 88006-04
 Test Type: CHRONIC
 Route: RESPIRATORY EXPOSURE WHOLE BODY
 Species/Strain: MICE/B6C3F1

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
 ALPHA-METHYLSTYRENE
 CAS Number: 98-83-9
 Pathologist: GRUMBEIN, S.

Date Report Reqsted: 07/28/2005
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 First Dose M/F: 07/30/01 / 07/30/01
 Lab: BNW

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

DOSE	Females			
	CONTROL	100 PPM	300 PPM	600 PPM

**Brain
 Necrosis**

LESION RATES

OVERALL (a)	2/50 (4%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
POLY-3 RATE (b)	2/46.57	0/44.96	0/44.22	0/46.07
POLY-3 PERCENT (g)	4.3%	0%	0%	0%
TERMINAL (d)	0/39 (0%)	0/38 (0%)	0/37 (0%)	0/37 (0%)
FIRST INCIDENCE	634	---	---	---

STATISTICAL TESTS

LIFE TABLE	P=0.138N	P=0.247N	P=0.245N	P=0.235N
POLY 3	P=0.135N	P=0.245N	P=0.249N	P=0.240N
POLY 1.5	P=0.137N	P=0.241N	P=0.247N	P=0.237N
POLY 6	P=0.133N	P=0.249N	P=0.251N	P=0.244N
LOGISTIC REGRESSION	P=0.136N	P=0.237N	P=0.221N	P=0.257N
COCH-ARM / FISHERS	P=0.139N	P=0.247N	P=0.247N	P=0.247N
ORDER RESTRICTED	P=0.030N*	(e)	(e)	(e)

TDMS No. 88006-04
 Test Type: CHRONIC
 Route: RESPIRATORY EXPOSURE WHOLE BODY
 Species/Strain: MICE/B6C3F1

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
 ALPHA-METHYLSTYRENE
 CAS Number: 98-83-9
 Pathologist: GRUMBEIN, S.

Date Report Reqsted: 07/28/2005
 Time Report Reqsted: 9:58:03
 First Dose M/F: 07/30/01 / 07/30/01
 Lab: BNW

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

DOSE	Females			
	CONTROL	100 PPM	300 PPM	600 PPM

**Harderian Gland
 Hyperplasia**

LESION RATES

OVERALL (a)	1/50 (2%)	2/48 (4%)	3/48 (6%)	5/50 (10%)
POLY-3 RATE (b)	1/45.99	2/43.53	3/44.22	5/46.26
POLY-3 PERCENT (g)	2.2%	4.6%	6.8%	10.8%
TERMINAL (d)	1/39 (3%)	2/38 (5%)	3/37 (8%)	4/37 (11%)
FIRST INCIDENCE	731 (T)	731 (T)	731 (T)	683

STATISTICAL TESTS

LIFE TABLE	P=0.047*	P=0.491	P=0.286	P=0.096
POLY 3	P=0.057	P=0.481	P=0.291	P=0.103
POLY 1.5	P=0.057	P=0.483	P=0.292	P=0.104
POLY 6	P=0.055	P=0.481	P=0.292	P=0.101
LOGISTIC REGRESSION	P=0.052	P=0.491	P=0.286	P=0.101
COCH-ARM / FISHERS	P=0.055	P=0.485	P=0.293	P=0.102
ORDER RESTRICTED	P=0.058	(e)	(e)	(e)

TDMS No. 88006-04
 Test Type: CHRONIC
 Route: RESPIRATORY EXPOSURE WHOLE BODY
 Species/Strain: MICE/B6C3F1

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
 ALPHA-METHYLSTYRENE
 CAS Number: 98-83-9
 Pathologist: GRUMBEIN, S.

Date Report Reqsted: 07/28/2005
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 First Dose M/F: 07/30/01 / 07/30/01
 Lab: BNW

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

DOSE	Females			
	CONTROL	100 PPM	300 PPM	600 PPM

**Heart
 Mineralization**

LESION RATES

OVERALL (a)	2/50 (4%)	0/50 (0%)	1/50 (2%)	0/50 (0%)
POLY-3 RATE (b)	2/46.01	0/44.96	1/44.27	0/46.07
POLY-3 PERCENT (g)	4.4%	0%	2.3%	0%
TERMINAL (d)	1/39 (3%)	0/38 (0%)	0/37 (0%)	0/37 (0%)
FIRST INCIDENCE	725	---	719	---

STATISTICAL TESTS

LIFE TABLE	P=0.238N	P=0.243N	P=0.518N	P=0.254N
POLY 3	P=0.220N	P=0.242N	P=0.513N	P=0.237N
POLY 1.5	P=0.221N	P=0.240N	P=0.513N	P=0.236N
POLY 6	P=0.220N	P=0.244N	P=0.513N	P=0.239N
LOGISTIC REGRESSION	P=0.225N	P=0.243N	P=0.513N	P=0.244N
COCH-ARM / FISHERS	P=0.223N	P=0.247N	P=0.500N	P=0.247N
ORDER RESTRICTED	P=0.074N	(e)	(e)	(e)

TDMS No. 88006-04
 Test Type: CHRONIC
 Route: RESPIRATORY EXPOSURE WHOLE BODY
 Species/Strain: MICE/B6C3F1

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
 ALPHA-METHYLSTYRENE
 CAS Number: 98-83-9
 Pathologist: GRUMBEIN, S.

Date Report Requested: 07/28/2005
 Time Report Requested: 9:58:03
 First Dose M/F: 07/30/01 / 07/30/01
 Lab: BNW

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

DOSE	Females			
	CONTROL	100 PPM	300 PPM	600 PPM

**Heart
 Thrombosis**

LESION RATES

OVERALL (a)	1/50 (2%)	1/50 (2%)	0/50 (0%)	2/50 (4%)
POLY-3 RATE (b)	1/46.34	1/44.98	0/44.22	2/46.89
POLY-3 PERCENT (g)	2.2%	2.2%	0%	4.3%
TERMINAL (d)	0/39 (0%)	0/38 (0%)	0/37 (0%)	0/37 (0%)
FIRST INCIDENCE	634	726	---	523

STATISTICAL TESTS

LIFE TABLE	P=0.375	P=0.758	P=0.500N	P=0.508
POLY 3	P=0.374	P=0.754	P=0.509N	P=0.504
POLY 1.5	P=0.373	P=0.757	P=0.508N	P=0.505
POLY 6	P=0.374	P=0.751	P=0.510N	P=0.502
LOGISTIC REGRESSION	P=0.360	P=0.761N	P=0.481N	P=0.424
COCH-ARM / FISHERS	P=0.370	P=0.753N	P=0.500N	P=0.500
ORDER RESTRICTED	P=0.281	(e)	(e)	(e)

TDMS No. 88006-04
 Test Type: CHRONIC
 Route: RESPIRATORY EXPOSURE WHOLE BODY
 Species/Strain: MICE/B6C3F1

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
 ALPHA-METHYLSTYRENE
 CAS Number: 98-83-9
 Pathologist: GRUMBEIN, S.

Date Report Requested: 07/28/2005
 Time Report Requested: 9:58:03
 First Dose M/F: 07/30/01 / 07/30/01
 Lab: BNW

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

DOSE	Females			
	CONTROL	100 PPM	300 PPM	600 PPM

**Kidney
 Cyst**

LESION RATES

OVERALL (a)	0/50 (0%)	0/49 (0%)	0/50 (0%)	0/50 (0%)
POLY-3 RATE (b)	0/45.99	0/44.20	0/44.22	0/46.07
POLY-3 PERCENT (g)	0%	0%	0%	0%
TERMINAL (d)	0/39 (0%)	0/38 (0%)	0/37 (0%)	0/37 (0%)
FIRST INCIDENCE	---	---	---	---

STATISTICAL TESTS

LIFE TABLE	(e)	(e)	(e)	(e)
POLY 3	(e)	(e)	(e)	(e)
POLY 1.5	(e)	(e)	(e)	(e)
POLY 6	(e)	(e)	(e)	(e)
LOGISTIC REGRESSION	(e)	(e)	(e)	(e)
COCH-ARM / FISHERS	(e)	(e)	(e)	(e)
ORDER RESTRICTED	(e)	(e)	(e)	(e)

TDMS No. 88006-04

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: MICE/B6C3F1

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

ALPHA-METHYLSTYRENE

CAS Number: 98-83-9

Pathologist: GRUMBEIN, S.

Date Report Reqsted: 07/28/2005

Time Report Reqsted: 9:58:03

First Dose M/F: 07/30/01 / 07/30/01

Lab: BNW

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

DOSE	Females			
	CONTROL	100 PPM	300 PPM	600 PPM

Kidney
Infarct

LESION RATES

OVERALL (a)	2/50 (4%)	3/49 (6%)	6/50 (12%)	2/50 (4%)
POLY-3 RATE (b)	2/45.99	3/44.30	6/44.22	2/46.16
POLY-3 PERCENT (g)	4.4%	6.8%	13.6%	4.3%
TERMINAL (d)	2/39 (5%)	2/38 (5%)	6/37 (16%)	1/37 (3%)
FIRST INCIDENCE	731 (T)	705	731 (T)	709

STATISTICAL TESTS

LIFE TABLE	P=0.522	P=0.488	P=0.117	P=0.677
POLY 3	P=0.562	P=0.483	P=0.120	P=0.692N
POLY 1.5	P=0.565	P=0.486	P=0.121	P=0.691N
POLY 6	P=0.556	P=0.482	P=0.120	P=0.692
LOGISTIC REGRESSION	P=0.543	P=0.481	P=0.117	P=0.690
COCH-ARM / FISHERS	P=0.555	P=0.490	P=0.134	P=0.691N
ORDER RESTRICTED	P=0.315	(e)	(e)	(e)

TDMS No. 88006-04
 Test Type: CHRONIC
 Route: RESPIRATORY EXPOSURE WHOLE BODY
 Species/Strain: MICE/B6C3F1

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
 ALPHA-METHYLSTYRENE
 CAS Number: 98-83-9
 Pathologist: GRUMBEIN, S.

Date Report Reqsted: 07/28/2005
 Time Report Reqsted: 9:58:03
 First Dose M/F: 07/30/01 / 07/30/01
 Lab: BNW

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

DOSE	Females			
	CONTROL	100 PPM	300 PPM	600 PPM

**Kidney
 Inflammation**

LESION RATES

OVERALL (a)	2/50 (4%)	0/49 (0%)	0/50 (0%)	0/50 (0%)
POLY-3 RATE (b)	2/46.36	0/44.20	0/44.22	0/46.07
POLY-3 PERCENT (g)	4.3%	0%	0%	0%
TERMINAL (d)	0/39 (0%)	0/38 (0%)	0/37 (0%)	0/37 (0%)
FIRST INCIDENCE	634	---	---	---

STATISTICAL TESTS

LIFE TABLE	P=0.144N	P=0.242N	P=0.248N	P=0.246N
POLY 3	P=0.135N	P=0.248N	P=0.248N	P=0.239N
POLY 1.5	P=0.137N	P=0.245N	P=0.247N	P=0.237N
POLY 6	P=0.134N	P=0.250N	P=0.249N	P=0.242N
LOGISTIC REGRESSION	P=0.137N	P=0.241N	P=0.233N	P=0.245N
COCH-ARM / FISHERS	P=0.138N	P=0.253N	P=0.247N	P=0.247N
ORDER RESTRICTED	P=0.030N*	(e)	(e)	(e)

TDMS No. 88006-04
 Test Type: CHRONIC
 Route: RESPIRATORY EXPOSURE WHOLE BODY
 Species/Strain: MICE/B6C3F1

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
 ALPHA-METHYLSTYRENE
 CAS Number: 98-83-9
 Pathologist: GRUMBEIN, S.

Date Report Requested: 07/28/2005
 Time Report Requested: 9:58:03
 First Dose M/F: 07/30/01 / 07/30/01
 Lab: BNW

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

DOSE	Females			
	CONTROL	100 PPM	300 PPM	600 PPM

**Kidney
 Metaplasia Osseous**

LESION RATES

OVERALL (a)	3/50 (6%)	1/49 (2%)	1/50 (2%)	2/50 (4%)
POLY-3 RATE (b)	3/45.99	1/44.20	1/44.22	2/46.07
POLY-3 PERCENT (g)	6.5%	2.3%	2.3%	4.3%
TERMINAL (d)	3/39 (8%)	1/38 (3%)	1/37 (3%)	2/37 (5%)
FIRST INCIDENCE	731 (T)	731 (T)	731 (T)	731 (T)

STATISTICAL TESTS

LIFE TABLE	P=0.520N	P=0.314N	P=0.324N	P=0.524N
POLY 3	P=0.495N	P=0.320N	P=0.319N	P=0.499N
POLY 1.5	P=0.496N	P=0.317N	P=0.319N	P=0.497N
POLY 6	P=0.497N	P=0.321N	P=0.319N	P=0.504N
LOGISTIC REGRESSION	P=0.520N	P=0.314N	P=0.324N	P=0.524N
COCH-ARM / FISHERS	P=0.496N	P=0.316N	P=0.309N	P=0.500N
ORDER RESTRICTED	P=0.297N	(e)	(e)	(e)

TDMS No. 88006-04
 Test Type: CHRONIC
 Route: RESPIRATORY EXPOSURE WHOLE BODY
 Species/Strain: MICE/B6C3F1

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
 ALPHA-METHYLSTYRENE
 CAS Number: 98-83-9
 Pathologist: GRUMBEIN, S.

Date Report Requested: 07/28/2005
 Time Report Requested: 9:58:03
 First Dose M/F: 07/30/01 / 07/30/01
 Lab: BNW

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

DOSE	Females			
	CONTROL	100 PPM	300 PPM	600 PPM

**Kidney
 Nephropathy**

LESION RATES

OVERALL (a)	16/50 (32%)	21/49 (43%)	12/50 (24%)	26/50 (52%)
POLY-3 RATE (b)	16/47.63	21/46.91	12/45.05	26/49.19
POLY-3 PERCENT (g)	33.6%	44.8%	26.6%	52.9%
TERMINAL (d)	12/39 (31%)	15/38 (40%)	9/37 (24%)	17/37 (46%)
FIRST INCIDENCE	481	509	507	464

STATISTICAL TESTS

LIFE TABLE	P=0.064	P=0.197	P=0.314N	P=0.041*
POLY 3	P=0.071	P=0.183	P=0.308N	P=0.042*
POLY 1.5	P=0.069	P=0.183	P=0.301N	P=0.040*
POLY 6	P=0.072	P=0.189	P=0.313N	P=0.044*
LOGISTIC REGRESSION	P=0.068	P=0.185	P=0.271N	P=0.031*
COCH-ARM / FISHERS	P=0.068	P=0.182	P=0.252N	P=0.034*
ORDER RESTRICTED	P=0.031*	(e)	(e)	(e)

TDMS No. 88006-04
 Test Type: CHRONIC
 Route: RESPIRATORY EXPOSURE WHOLE BODY
 Species/Strain: MICE/B6C3F1

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
 ALPHA-METHYLSTYRENE
 CAS Number: 98-83-9
 Pathologist: GRUMBEIN, S.

Date Report Requested: 07/28/2005
 Time Report Requested: 9:58:03
 First Dose M/F: 07/30/01 / 07/30/01
 Lab: BNW

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

DOSE	Females			
	CONTROL	100 PPM	300 PPM	600 PPM

**Kidney: Capsule
 Fibrosis**

LESION RATES

OVERALL (a)	0/50 (0%)	0/49 (0%)	0/50 (0%)	0/50 (0%)
POLY-3 RATE (b)	0/45.99	0/44.20	0/44.22	0/46.07
POLY-3 PERCENT (g)	0%	0%	0%	0%
TERMINAL (d)	0/39 (0%)	0/38 (0%)	0/37 (0%)	0/37 (0%)
FIRST INCIDENCE	---	---	---	---

STATISTICAL TESTS

LIFE TABLE	(e)	(e)	(e)	(e)
POLY 3	(e)	(e)	(e)	(e)
POLY 1.5	(e)	(e)	(e)	(e)
POLY 6	(e)	(e)	(e)	(e)
LOGISTIC REGRESSION	(e)	(e)	(e)	(e)
COCH-ARM / FISHERS	(e)	(e)	(e)	(e)
ORDER RESTRICTED	(e)	(e)	(e)	(e)

TDMS No. 88006-04
 Test Type: CHRONIC
 Route: RESPIRATORY EXPOSURE WHOLE BODY
 Species/Strain: MICE/B6C3F1

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
 ALPHA-METHYLSTYRENE
 CAS Number: 98-83-9
 Pathologist: GRUMBEIN, S.

Date Report Requested: 07/28/2005
 Time Report Requested: 9:58:03
 First Dose M/F: 07/30/01 / 07/30/01
 Lab: BNW

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

DOSE	Females			
	CONTROL	100 PPM	300 PPM	600 PPM

**Kidney: Pelvis
 Dilatation**

LESION RATES

OVERALL (a)	0/50 (0%)	0/49 (0%)	0/50 (0%)	0/50 (0%)
POLY-3 RATE (b)	0/45.99	0/44.20	0/44.22	0/46.07
POLY-3 PERCENT (g)	0%	0%	0%	0%
TERMINAL (d)	0/39 (0%)	0/38 (0%)	0/37 (0%)	0/37 (0%)
FIRST INCIDENCE	---	---	---	---

STATISTICAL TESTS

LIFE TABLE	(e)	(e)	(e)	(e)
POLY 3	(e)	(e)	(e)	(e)
POLY 1.5	(e)	(e)	(e)	(e)
POLY 6	(e)	(e)	(e)	(e)
LOGISTIC REGRESSION	(e)	(e)	(e)	(e)
COCH-ARM / FISHERS	(e)	(e)	(e)	(e)
ORDER RESTRICTED	(e)	(e)	(e)	(e)

TDMS No. 88006-04
 Test Type: CHRONIC
 Route: RESPIRATORY EXPOSURE WHOLE BODY
 Species/Strain: MICE/B6C3F1

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
 ALPHA-METHYLSTYRENE
 CAS Number: 98-83-9
 Pathologist: GRUMBEIN, S.

Date Report Requested: 07/28/2005
 Time Report Requested: 9:58:03
 First Dose M/F: 07/30/01 / 07/30/01
 Lab: BNW

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

DOSE	Females			
	CONTROL	100 PPM	300 PPM	600 PPM

Liver
 Basophilic Focus

LESION RATES

OVERALL (a)	5/50 (10%)	2/50 (4%)	3/50 (6%)	3/50 (6%)
POLY-3 RATE (b)	5/46.22	2/45.59	3/44.22	3/46.07
POLY-3 PERCENT (g)	10.8%	4.4%	6.8%	6.5%
TERMINAL (d)	4/39 (10%)	0/38 (0%)	3/37 (8%)	3/37 (8%)
FIRST INCIDENCE	670	537	731 (T)	731 (T)

STATISTICAL TESTS

LIFE TABLE	P=0.426N	P=0.233N	P=0.386N	P=0.381N
POLY 3	P=0.402N	P=0.222N	P=0.381N	P=0.358N
POLY 1.5	P=0.401N	P=0.219N	P=0.379N	P=0.354N
POLY 6	P=0.408N	P=0.223N	P=0.382N	P=0.366N
LOGISTIC REGRESSION	P=0.399N	P=0.215N	P=0.376N	P=0.361N
COCH-ARM / FISHERS	P=0.401N	P=0.218N	P=0.357N	P=0.357N
ORDER RESTRICTED	P=0.283N	(e)	(e)	(e)

TDMS No. 88006-04
 Test Type: CHRONIC
 Route: RESPIRATORY EXPOSURE WHOLE BODY
 Species/Strain: MICE/B6C3F1

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
 ALPHA-METHYLSTYRENE
 CAS Number: 98-83-9
 Pathologist: GRUMBEIN, S.

Date Report Requested: 07/28/2005
 Time Report Requested: 9:58:03
 First Dose M/F: 07/30/01 / 07/30/01
 Lab: BNW

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

DOSE	Females			
	CONTROL	100 PPM	300 PPM	600 PPM

Liver
 Clear Cell Focus

LESION RATES

OVERALL (a)	5/50 (10%)	1/50 (2%)	3/50 (6%)	5/50 (10%)
POLY-3 RATE (b)	5/46.70	1/44.96	3/44.22	5/46.07
POLY-3 PERCENT (g)	10.7%	2.2%	6.8%	10.9%
TERMINAL (d)	4/39 (10%)	1/38 (3%)	3/37 (8%)	5/37 (14%)
FIRST INCIDENCE	481	731 (T)	731 (T)	731 (T)

STATISTICAL TESTS

LIFE TABLE	P=0.311	P=0.110N	P=0.387N	P=0.600
POLY 3	P=0.339	P=0.110N	P=0.387N	P=0.622
POLY 1.5	P=0.339	P=0.107N	P=0.383N	P=0.628
POLY 6	P=0.335	P=0.113N	P=0.388N	P=0.612
LOGISTIC REGRESSION	P=0.340	P=0.102N	P=0.365N	P=0.630N
COCH-ARM / FISHERS	P=0.336	P=0.102N	P=0.357N	P=0.630N
ORDER RESTRICTED	P=0.343	(e)	(e)	(e)

TDMS No. 88006-04
 Test Type: CHRONIC
 Route: RESPIRATORY EXPOSURE WHOLE BODY
 Species/Strain: MICE/B6C3F1

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
 ALPHA-METHYLSTYRENE
 CAS Number: 98-83-9
 Pathologist: GRUMBEIN, S.

Date Report Requested: 07/28/2005
 Time Report Requested: 9:58:03
 First Dose M/F: 07/30/01 / 07/30/01
 Lab: BNW

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

DOSE	Females			
	CONTROL	100 PPM	300 PPM	600 PPM
Liver				
Eosinophilic Focus				
LESION RATES				
OVERALL (a)	2/50 (4%)	5/50 (10%)	7/50 (14%)	12/50 (24%)
POLY-3 RATE (b)	2/45.99	5/44.98	7/44.33	12/47.06
POLY-3 PERCENT (g)	4.4%	11.1%	15.8%	25.5%
TERMINAL (d)	2/39 (5%)	4/38 (11%)	6/37 (16%)	8/37 (22%)
FIRST INCIDENCE	731 (T)	726	702	612
STATISTICAL TESTS				
LIFE TABLE	P=0.002**	P=0.209	P=0.071	P=0.005**
POLY 3	P=0.002**	P=0.207	P=0.070	P=0.004**
POLY 1.5	P=0.002**	P=0.212	P=0.070	P=0.004**
POLY 6	P=0.002**	P=0.204	P=0.071	P=0.004**
LOGISTIC REGRESSION	P=0.002**	P=0.208	P=0.071	P=0.005**
COCH-ARM / FISHERS	P=0.002**	P=0.218	P=0.080	P=0.004**
ORDER RESTRICTED	P<0.001**	(e)	(e)	(e)

TDMS No. 88006-04
 Test Type: CHRONIC
 Route: RESPIRATORY EXPOSURE WHOLE BODY
 Species/Strain: MICE/B6C3F1

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
 ALPHA-METHYLSTYRENE
 CAS Number: 98-83-9
 Pathologist: GRUMBEIN, S.

Date Report Requested: 07/28/2005
 Time Report Requested: 9:58:03
 First Dose M/F: 07/30/01 / 07/30/01
 Lab: BNW

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

DOSE	Females			
	CONTROL	100 PPM	300 PPM	600 PPM

Liver
 Infarct

LESION RATES

OVERALL (a)	0/50 (0%)	1/50 (2%)	1/50 (2%)	0/50 (0%)
POLY-3 RATE (b)	0/45.99	1/44.99	1/45.03	0/46.07
POLY-3 PERCENT (g)	0%	2.2%	2.2%	0%
TERMINAL (d)	0/39 (0%)	0/38 (0%)	0/37 (0%)	0/37 (0%)
FIRST INCIDENCE	---	725	416	---

STATISTICAL TESTS

LIFE TABLE	P=0.569N	P=0.500	P=0.492	(e)
POLY 3	P=0.562N	P=0.496	P=0.496	(e)
POLY 1.5	P=0.560N	P=0.498	P=0.495	(e)
POLY 6	P=0.564N	P=0.494	P=0.497	(e)
LOGISTIC REGRESSION	P=0.577N	P=0.494	P=0.615	(e)
COCH-ARM / FISHERS	P=0.562N	P=0.500	P=0.500	(e)
ORDER RESTRICTED	P=0.395N	(e)	(e)	(e)

TDMS No. 88006-04

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: MICE/B6C3F1

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

ALPHA-METHYLSTYRENE

CAS Number: 98-83-9

Pathologist: GRUMBEIN, S.

Date Report Reqsted: 07/28/2005

Time Report Reqsted: 9:58:03

First Dose M/F: 07/30/01 / 07/30/01

Lab: BNW

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

DOSE	Females			
	CONTROL	100 PPM	300 PPM	600 PPM

Liver
Mixed Cell Focus

LESION RATES

OVERALL (a)	0/50 (0%)	0/50 (0%)	1/50 (2%)	0/50 (0%)
POLY-3 RATE (b)	0/45.99	0/44.96	1/44.22	0/46.07
POLY-3 PERCENT (g)	0%	0%	2.3%	0%
TERMINAL (d)	0/39 (0%)	0/38 (0%)	1/37 (3%)	0/37 (0%)
FIRST INCIDENCE	---	---	731 (T)	---

STATISTICAL TESTS

LIFE TABLE	P=0.662	(e)	P=0.489	(e)
POLY 3	P=0.676	(e)	P=0.492	(e)
POLY 1.5	P=0.677	(e)	P=0.492	(e)
POLY 6	P=0.672	(e)	P=0.493	(e)
LOGISTIC REGRESSION	(e)	(e)	P=0.489	(e)
COCH-ARM / FISHERS	P=0.669	(e)	P=0.500	(e)
ORDER RESTRICTED	P=0.374	(e)	(e)	(e)

TDMS No. 88006-04
 Test Type: CHRONIC
 Route: RESPIRATORY EXPOSURE WHOLE BODY
 Species/Strain: MICE/B6C3F1

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
 ALPHA-METHYLSTYRENE
 CAS Number: 98-83-9
 Pathologist: GRUMBEIN, S.

Date Report Requested: 07/28/2005
 Time Report Requested: 9:58:03
 First Dose M/F: 07/30/01 / 07/30/01
 Lab: BNW

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

DOSE	Females			
	CONTROL	100 PPM	300 PPM	600 PPM

Liver
 Necrosis

LESION RATES

OVERALL (a)	1/50 (2%)	3/50 (6%)	1/50 (2%)	2/50 (4%)
POLY-3 RATE (b)	1/46.22	3/46.55	1/44.52	2/47.45
POLY-3 PERCENT (g)	2.2%	6.5%	2.3%	4.2%
TERMINAL (d)	0/39 (0%)	0/38 (0%)	0/37 (0%)	0/37 (0%)
FIRST INCIDENCE	670	497	649	464

STATISTICAL TESTS

LIFE TABLE	P=0.573	P=0.304	P=0.758	P=0.507
POLY 3	P=0.575	P=0.308	P=0.752	P=0.509
POLY 1.5	P=0.574	P=0.308	P=0.752	P=0.508
POLY 6	P=0.573	P=0.309	P=0.753	P=0.508
LOGISTIC REGRESSION	P=0.546	P=0.289	P=0.754N	P=0.359
COCH-ARM / FISHERS	P=0.567	P=0.309	P=0.753N	P=0.500
ORDER RESTRICTED	P=0.459	(e)	(e)	(e)

TDMS No. 88006-04
 Test Type: CHRONIC
 Route: RESPIRATORY EXPOSURE WHOLE BODY
 Species/Strain: MICE/B6C3F1

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
 ALPHA-METHYLSTYRENE
 CAS Number: 98-83-9
 Pathologist: GRUMBEIN, S.

Date Report Requested: 07/28/2005
 Time Report Requested: 9:58:03
 First Dose M/F: 07/30/01 / 07/30/01
 Lab: BNW

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

DOSE	Females			
	CONTROL	100 PPM	300 PPM	600 PPM

Liver
 Tension Lipidosis

LESION RATES

OVERALL (a)	3/50 (6%)	1/50 (2%)	2/50 (4%)	3/50 (6%)
POLY-3 RATE (b)	3/46.22	1/44.96	2/45.14	3/46.70
POLY-3 PERCENT (g)	6.5%	2.2%	4.4%	6.4%
TERMINAL (d)	2/39 (5%)	1/38 (3%)	1/37 (3%)	2/37 (5%)
FIRST INCIDENCE	670	731 (T)	309	527

STATISTICAL TESTS

LIFE TABLE	P=0.430	P=0.318N	P=0.520N	P=0.646
POLY 3	P=0.453	P=0.315N	P=0.511N	P=0.657N
POLY 1.5	P=0.450	P=0.311N	P=0.511N	P=0.656N
POLY 6	P=0.452	P=0.319N	P=0.511N	P=0.662N
LOGISTIC REGRESSION	P=0.431	P=0.311N	P=0.458N	P=0.652
COCH-ARM / FISHERS	P=0.441	P=0.309N	P=0.500N	P=0.661N
ORDER RESTRICTED	P=0.502N	(e)	(e)	(e)

TDMS No. 88006-04
 Test Type: CHRONIC
 Route: RESPIRATORY EXPOSURE WHOLE BODY
 Species/Strain: MICE/B6C3F1

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
 ALPHA-METHYLSTYRENE
 CAS Number: 98-83-9
 Pathologist: GRUMBEIN, S.

Date Report Requested: 07/28/2005
 Time Report Requested: 9:58:03
 First Dose M/F: 07/30/01 / 07/30/01
 Lab: BNW

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

DOSE	Females			
	CONTROL	100 PPM	300 PPM	600 PPM

**Lung: Alveolar Epithelium
 Hyperplasia**

LESION RATES

OVERALL (a)	6/50 (12%)	2/50 (4%)	2/50 (4%)	5/50 (10%)
POLY-3 RATE (b)	6/45.99	2/44.96	2/44.22	5/46.39
POLY-3 PERCENT (g)	13.1%	4.5%	4.5%	10.8%
TERMINAL (d)	6/39 (15%)	2/38 (5%)	2/37 (5%)	4/37 (11%)
FIRST INCIDENCE	731 (T)	731 (T)	731 (T)	645

STATISTICAL TESTS

LIFE TABLE	P=0.521	P=0.141N	P=0.150N	P=0.531N
POLY 3	P=0.555	P=0.140N	P=0.146N	P=0.494N
POLY 1.5	P=0.553	P=0.137N	P=0.146N	P=0.492N
POLY 6	P=0.556	P=0.142N	P=0.145N	P=0.498N
LOGISTIC REGRESSION	P=0.543	P=0.141N	P=0.150N	P=0.506N
COCH-ARM / FISHERS	P=0.547	P=0.134N	P=0.134N	P=0.500N
ORDER RESTRICTED	P=0.203N	(e)	(e)	(e)

TDMS No. 88006-04
 Test Type: CHRONIC
 Route: RESPIRATORY EXPOSURE WHOLE BODY
 Species/Strain: MICE/B6C3F1

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
 ALPHA-METHYLSTYRENE
 CAS Number: 98-83-9
 Pathologist: GRUMBEIN, S.

Date Report Requested: 07/28/2005
 Time Report Requested: 9:58:03
 First Dose M/F: 07/30/01 / 07/30/01
 Lab: BNW

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

DOSE	Females			
	CONTROL	100 PPM	300 PPM	600 PPM

Lung: Alveolus
 Infiltration Cellular Histiocyte

LESION RATES

OVERALL (a)	3/50 (6%)	1/50 (2%)	2/50 (4%)	1/50 (2%)
POLY-3 RATE (b)	3/46.19	1/44.99	2/44.47	1/46.26
POLY-3 PERCENT (g)	6.5%	2.2%	4.5%	2.2%
TERMINAL (d)	1/39 (3%)	0/38 (0%)	1/37 (3%)	0/37 (0%)
FIRST INCIDENCE	705	725	663	683

STATISTICAL TESTS

LIFE TABLE	P=0.323N	P=0.315N	P=0.520N	P=0.322N
POLY 3	P=0.303N	P=0.315N	P=0.517N	P=0.305N
POLY 1.5	P=0.304N	P=0.310N	P=0.517N	P=0.303N
POLY 6	P=0.304N	P=0.318N	P=0.516N	P=0.309N
LOGISTIC REGRESSION	P=0.306N	P=0.312N	P=0.512N	P=0.304N
COCH-ARM / FISHERS	P=0.307N	P=0.309N	P=0.500N	P=0.309N
ORDER RESTRICTED	P=0.217N	(e)	(e)	(e)

TDMS No. 88006-04
 Test Type: CHRONIC
 Route: RESPIRATORY EXPOSURE WHOLE BODY
 Species/Strain: MICE/B6C3F1

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
 ALPHA-METHYLSTYRENE
 CAS Number: 98-83-9
 Pathologist: GRUMBEIN, S.

Date Report Requested: 07/28/2005
 Time Report Requested: 9:58:03
 First Dose M/F: 07/30/01 / 07/30/01
 Lab: BNW

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

DOSE	Females			
	CONTROL	100 PPM	300 PPM	600 PPM

**Lung: Bronchiole
 Hyperplasia**

LESION RATES

OVERALL (a)	0/50 (0%)	0/50 (0%)	2/50 (4%)	2/50 (4%)
POLY-3 RATE (b)	0/45.99	0/44.96	2/44.22	2/46.07
POLY-3 PERCENT (g)	0%	0%	4.5%	4.3%
TERMINAL (d)	0/39 (0%)	0/38 (0%)	2/37 (5%)	2/37 (5%)
FIRST INCIDENCE	---	---	731 (T)	731 (T)

STATISTICAL TESTS

LIFE TABLE	P=0.071	(e)	P=0.227	P=0.227
POLY 3	P=0.078	(e)	P=0.228	P=0.238
POLY 1.5	P=0.078	(e)	P=0.229	P=0.239
POLY 6	P=0.076	(e)	P=0.229	P=0.235
LOGISTIC REGRESSION	(e)	(e)	P=0.227	P=0.227
COCH-ARM / FISHERS	P=0.076	(e)	P=0.247	P=0.247
ORDER RESTRICTED	P=0.109	(e)	(e)	(e)

TDMS No. 88006-04
 Test Type: CHRONIC
 Route: RESPIRATORY EXPOSURE WHOLE BODY
 Species/Strain: MICE/B6C3F1

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
 ALPHA-METHYLSTYRENE
 CAS Number: 98-83-9
 Pathologist: GRUMBEIN, S.

Date Report Requested: 07/28/2005
 Time Report Requested: 9:58:03
 First Dose M/F: 07/30/01 / 07/30/01
 Lab: BNW

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

DOSE	Females			
	CONTROL	100 PPM	300 PPM	600 PPM

Mesentery: Fat
 Necrosis

LESION RATES

OVERALL (a)	7/8 (88%)	5/5 (100%)	5/5 (100%)	6/6 (100%)
POLY-3 RATE (b)	7/7.98	5/5.00	5/5.00	6/6.00
POLY-3 PERCENT (g)	87.8%	100%	100%	100%
TERMINAL (d)	7/7 (100%)	4/4 (100%)	4/4 (100%)	5/5 (100%)
FIRST INCIDENCE	731 (T)	668	663	677

STATISTICAL TESTS

LIFE TABLE	P=0.403	P=0.495	P=0.495	P=0.490
POLY 3	P=0.372	P=0.601	P=0.601	P=0.566
POLY 1.5	P=0.369	P=0.597	P=0.597	P=0.561
POLY 6	P=0.379	P=0.610	P=0.610	P=0.575
LOGISTIC REGRESSION	P=0.364	P=0.598	P=0.601	P=0.547
COCH-ARM / FISHERS	P=0.360	P=0.615	P=0.615	P=0.571
ORDER RESTRICTED	P=0.180	(e)	(e)	(e)

TDMS No. 88006-04
 Test Type: CHRONIC
 Route: RESPIRATORY EXPOSURE WHOLE BODY
 Species/Strain: MICE/B6C3F1

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
 ALPHA-METHYLSTYRENE
 CAS Number: 98-83-9
 Pathologist: GRUMBEIN, S.

Date Report Requested: 07/28/2005
 Time Report Requested: 9:58:03
 First Dose M/F: 07/30/01 / 07/30/01
 Lab: BNW

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

DOSE	Females			
	CONTROL	100 PPM	300 PPM	600 PPM

**Nose: Olfactory Epithelium
 Atrophy**

LESION RATES

OVERALL (a)	1/49 (2%)	6/49 (12%)	4/50 (8%)	3/50 (6%)
POLY-3 RATE (b)	1/45.09	6/44.31	4/47.14	3/46.22
POLY-3 PERCENT (g)	2.2%	13.5%	8.5%	6.5%
TERMINAL (d)	1/39 (3%)	4/37 (11%)	1/37 (3%)	2/37 (5%)
FIRST INCIDENCE	731 (T)	640	30	694

STATISTICAL TESTS

LIFE TABLE	P=0.509	P=0.056	P=0.177	P=0.291
POLY 3	P=0.544	P=0.053	P=0.193	P=0.314
POLY 1.5	P=0.546	P=0.054	P=0.191	P=0.316
POLY 6	P=0.538	P=0.052	P=0.194	P=0.311
LOGISTIC REGRESSION	P=0.503	P=0.054	P=0.358	P=0.310
COCH-ARM / FISHERS	P=0.538	P=0.056	P=0.187	P=0.316
ORDER RESTRICTED	P=0.150	(e)	(e)	(e)

TDMS No. 88006-04
 Test Type: CHRONIC
 Route: RESPIRATORY EXPOSURE WHOLE BODY
 Species/Strain: MICE/B6C3F1

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
 ALPHA-METHYLSTYRENE
 CAS Number: 98-83-9
 Pathologist: GRUMBEIN, S.

Date Report Requested: 07/28/2005
 Time Report Requested: 9:58:03
 First Dose M/F: 07/30/01 / 07/30/01
 Lab: BNW

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

DOSE	Females			
	CONTROL	100 PPM	300 PPM	600 PPM

**Nose: Olfactory Epithelium
 Degeneration Hyaline**

LESION RATES

OVERALL (a)	3/49 (6%)	2/49 (4%)	0/50 (0%)	1/50 (2%)
POLY-3 RATE (b)	3/45.09	2/43.96	0/44.22	1/46.25
POLY-3 PERCENT (g)	6.7%	4.6%	0%	2.2%
TERMINAL (d)	3/39 (8%)	2/37 (5%)	0/37 (0%)	0/37 (0%)
FIRST INCIDENCE	731 (T)	731 (T)	---	686

STATISTICAL TESTS

LIFE TABLE	P=0.169N	P=0.524N	P=0.130N	P=0.323N
POLY 3	P=0.154N	P=0.512N	P=0.122N	P=0.296N
POLY 1.5	P=0.155N	P=0.506N	P=0.122N	P=0.295N
POLY 6	P=0.154N	P=0.516N	P=0.122N	P=0.299N
LOGISTIC REGRESSION	P=0.156N	P=0.524N	(e)	P=0.298N
COCH-ARM / FISHERS	P=0.155N	P=0.500N	P=0.117N	P=0.301N
ORDER RESTRICTED	P=0.104N	(e)	(e)	(e)

TDMS No. 88006-04
 Test Type: CHRONIC
 Route: RESPIRATORY EXPOSURE WHOLE BODY
 Species/Strain: MICE/B6C3F1

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
 ALPHA-METHYLSTYRENE
 CAS Number: 98-83-9
 Pathologist: GRUMBEIN, S.

Date Report Requested: 07/28/2005
 Time Report Requested: 9:58:03
 First Dose M/F: 07/30/01 / 07/30/01
 Lab: BNW

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

DOSE	Females			
	CONTROL	100 PPM	300 PPM	600 PPM

**Nose: Olfactory Epithelium
 Metaplasia**

LESION RATES

OVERALL (a)	2/49 (4%)	49/49 (100%)	47/50 (94%)	50/50 (100%)
POLY-3 RATE (b)	2/45.09	49/49.00	47/47.08	50/50.00
POLY-3 PERCENT (g)	4.4%	100%	99.8%	100%
TERMINAL (d)	2/39 (5%)	37/37 (100%)	37/37 (100%)	37/37 (100%)
FIRST INCIDENCE	731 (T)	269	416	464

STATISTICAL TESTS

LIFE TABLE	P<0.001**	P<0.001**	P<0.001**	P<0.001**
POLY 3	P<0.001**	P<0.001**	P<0.001**	P<0.001**
POLY 1.5	P<0.001**	P<0.001**	P<0.001**	P<0.001**
POLY 6	P<0.001**	P<0.001**	P<0.001**	P<0.001**
LOGISTIC REGRESSION	P<0.001**	P<0.001**	P<0.001**	P<0.001**
COCH-ARM / FISHERS	P<0.001**	P<0.001**	P<0.001**	P<0.001**
ORDER RESTRICTED	P<0.001**	(e)	(e)	(e)

TDMS No. 88006-04
 Test Type: CHRONIC
 Route: RESPIRATORY EXPOSURE WHOLE BODY
 Species/Strain: MICE/B6C3F1

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
 ALPHA-METHYLSTYRENE
 CAS Number: 98-83-9
 Pathologist: GRUMBEIN, S.

Date Report Requested: 07/28/2005
 Time Report Requested: 9:58:03
 First Dose M/F: 07/30/01 / 07/30/01
 Lab: BNW

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

DOSE	Females			
	CONTROL	100 PPM	300 PPM	600 PPM

**Nose: Olfactory Epithelium, Glands
 Hyperplasia**

LESION RATES

OVERALL (a)	3/49 (6%)	49/49 (100%)	50/50 (100%)	50/50 (100%)
POLY-3 RATE (b)	3/45.09	49/49.00	50/50.00	50/50.00
POLY-3 PERCENT (g)	6.7%	100%	100%	100%
TERMINAL (d)	3/39 (8%)	37/37 (100%)	37/37 (100%)	37/37 (100%)
FIRST INCIDENCE	731 (T)	269	30	464

STATISTICAL TESTS

LIFE TABLE	P<0.001**	P<0.001**	P<0.001**	P<0.001**
POLY 3	P<0.001**	P<0.001**	P<0.001**	P<0.001**
POLY 1.5	P<0.001**	P<0.001**	P<0.001**	P<0.001**
POLY 6	P<0.001**	P<0.001**	P<0.001**	P<0.001**
LOGISTIC REGRESSION	P<0.001**	P<0.001**	P<0.001**	P<0.001**
COCH-ARM / FISHERS	P<0.001**	P<0.001**	P<0.001**	P<0.001**
ORDER RESTRICTED	P<0.001**	(e)	(e)	(e)

TDMS No. 88006-04

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: MICE/B6C3F1

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

ALPHA-METHYLSTYRENE

CAS Number: 98-83-9

Pathologist: GRUMBEIN, S.

Date Report Reqsted: 07/28/2005

Time Report Reqsted: 9:58:03

First Dose M/F: 07/30/01 / 07/30/01

Lab: BNW

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

DOSE	Females			
	CONTROL	100 PPM	300 PPM	600 PPM

Ovary
Angiectasis

LESION RATES

OVERALL (a)	0/48 (0%)	3/50 (6%)	1/49 (2%)	0/50 (0%)
POLY-3 RATE (b)	0/43.99	3/44.96	1/43.44	0/46.07
POLY-3 PERCENT (g)	0%	6.7%	2.3%	0%
TERMINAL (d)	0/37 (0%)	3/38 (8%)	0/37 (0%)	0/37 (0%)
FIRST INCIDENCE	---	731 (T)	705	---

STATISTICAL TESTS

LIFE TABLE	P=0.298N	P=0.126	P=0.490	(e)
POLY 3	P=0.285N	P=0.122	P=0.497	(e)
POLY 1.5	P=0.283N	P=0.124	P=0.497	(e)
POLY 6	P=0.287N	P=0.121	P=0.499	(e)
LOGISTIC REGRESSION	P=0.285N	P=0.126	P=0.500	(e)
COCH-ARM / FISHERS	P=0.284N	P=0.129	P=0.505	(e)
ORDER RESTRICTED	P=0.215N	(e)	(e)	(e)

TDMS No. 88006-04
 Test Type: CHRONIC
 Route: RESPIRATORY EXPOSURE WHOLE BODY
 Species/Strain: MICE/B6C3F1

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
 ALPHA-METHYLSTYRENE
 CAS Number: 98-83-9
 Pathologist: GRUMBEIN, S.

Date Report Requested: 07/28/2005
 Time Report Requested: 9:58:03
 First Dose M/F: 07/30/01 / 07/30/01
 Lab: BNW

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

DOSE	Females			
	CONTROL	100 PPM	300 PPM	600 PPM

Ovary
Cyst

LESION RATES

OVERALL (a)	15/48 (31%)	8/50 (16%)	12/49 (24%)	8/50 (16%)
POLY-3 RATE (b)	15/45.25	8/44.96	12/43.66	8/47.00
POLY-3 PERCENT (g)	33.2%	17.8%	27.5%	17%
TERMINAL (d)	11/37 (30%)	8/38 (21%)	10/37 (27%)	6/37 (16%)
FIRST INCIDENCE	481	731 (T)	656	464

STATISTICAL TESTS

LIFE TABLE	P=0.159N	P=0.074N	P=0.340N	P=0.088N
POLY 3	P=0.115N	P=0.074N	P=0.364N	P=0.059N
POLY 1.5	P=0.117N	P=0.067N	P=0.356N	P=0.057N
POLY 6	P=0.116N	P=0.081N	P=0.367N	P=0.063N
LOGISTIC REGRESSION	P=0.126N	P=0.065N	P=0.336N	P=0.063N
COCH-ARM / FISHERS	P=0.130N	P=0.061N	P=0.303N	P=0.061N
ORDER RESTRICTED	P=0.045N*	(e)	(e)	(e)

TDMS No. 88006-04
 Test Type: CHRONIC
 Route: RESPIRATORY EXPOSURE WHOLE BODY
 Species/Strain: MICE/B6C3F1

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
 ALPHA-METHYLSTYRENE
 CAS Number: 98-83-9
 Pathologist: GRUMBEIN, S.

Date Report Reqsted: 07/28/2005
 Time Report Reqsted: 9:58:03
 First Dose M/F: 07/30/01 / 07/30/01
 Lab: BNW

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

DOSE	Females			
	CONTROL	100 PPM	300 PPM	600 PPM

**Ovary
 Thrombosis**

LESION RATES

OVERALL (a)	0/48 (0%)	2/50 (4%)	0/49 (0%)	0/50 (0%)
POLY-3 RATE (b)	0/43.99	2/44.96	0/43.33	0/46.07
POLY-3 PERCENT (g)	0%	4.5%	0%	0%
TERMINAL (d)	0/37 (0%)	2/38 (5%)	0/37 (0%)	0/37 (0%)
FIRST INCIDENCE	---	731 (T)	---	---

STATISTICAL TESTS

LIFE TABLE	P=0.323N	P=0.244	(e)	(e)
POLY 3	P=0.320N	P=0.242	(e)	(e)
POLY 1.5	P=0.318N	P=0.244	(e)	(e)
POLY 6	P=0.321N	P=0.241	(e)	(e)
LOGISTIC REGRESSION	(e)	P=0.244	(e)	(e)
COCH-ARM / FISHERS	P=0.316N	P=0.258	(e)	(e)
ORDER RESTRICTED	P=0.242N	(e)	(e)	(e)

TDMS No. 88006-04
 Test Type: CHRONIC
 Route: RESPIRATORY EXPOSURE WHOLE BODY
 Species/Strain: MICE/B6C3F1

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
 ALPHA-METHYLSTYRENE
 CAS Number: 98-83-9
 Pathologist: GRUMBEIN, S.

Date Report Reqsted: 07/28/2005
 Time Report Reqsted: 9:58:03
 First Dose M/F: 07/30/01 / 07/30/01
 Lab: BNW

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

DOSE	Females			
	CONTROL	100 PPM	300 PPM	600 PPM

**Pituitary Gland: Pars Distalis
 Angiectasis**

LESION RATES

OVERALL (a)	0/50 (0%)	0/48 (0%)	2/50 (4%)	0/47 (0%)
POLY-3 RATE (b)	0/45.99	0/43.80	2/44.22	0/43.78
POLY-3 PERCENT (g)	0%	0%	4.5%	0%
TERMINAL (d)	0/39 (0%)	0/38 (0%)	2/37 (5%)	0/36 (0%)
FIRST INCIDENCE	---	---	731 (T)	---

STATISTICAL TESTS

LIFE TABLE	P=0.545	(e)	P=0.227	(e)
POLY 3	P=0.566	(e)	P=0.228	(e)
POLY 1.5	P=0.566	(e)	P=0.229	(e)
POLY 6	P=0.562	(e)	P=0.229	(e)
LOGISTIC REGRESSION	(e)	(e)	P=0.227	(e)
COCH-ARM / FISHERS	P=0.553	(e)	P=0.247	(e)
ORDER RESTRICTED	P=0.240	(e)	(e)	(e)

TDMS No. 88006-04
 Test Type: CHRONIC
 Route: RESPIRATORY EXPOSURE WHOLE BODY
 Species/Strain: MICE/B6C3F1

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
 ALPHA-METHYLSTYRENE
 CAS Number: 98-83-9
 Pathologist: GRUMBEIN, S.

Date Report Requested: 07/28/2005
 Time Report Requested: 9:58:03
 First Dose M/F: 07/30/01 / 07/30/01
 Lab: BNW

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

DOSE	Females			
	CONTROL	100 PPM	300 PPM	600 PPM

**Pituitary Gland: Pars Distalis
 Hyperplasia**

LESION RATES

OVERALL (a)	9/50 (18%)	8/48 (17%)	4/50 (8%)	7/47 (15%)
POLY-3 RATE (b)	9/46.09	8/43.80	4/44.22	7/43.78
POLY-3 PERCENT (g)	19.5%	18.3%	9.1%	16%
TERMINAL (d)	8/39 (21%)	8/38 (21%)	4/37 (11%)	7/36 (19%)
FIRST INCIDENCE	707	731 (T)	731 (T)	731 (T)

STATISTICAL TESTS

LIFE TABLE	P=0.336N	P=0.524N	P=0.137N	P=0.459N
POLY 3	P=0.310N	P=0.546N	P=0.131N	P=0.436N
POLY 1.5	P=0.310N	P=0.541N	P=0.131N	P=0.434N
POLY 6	P=0.314N	P=0.546N	P=0.130N	P=0.442N
LOGISTIC REGRESSION	P=0.345N	P=0.524N	P=0.129N	P=0.463N
COCH-ARM / FISHERS	P=0.313N	P=0.537N	P=0.117N	P=0.446N
ORDER RESTRICTED	P=0.284N	(e)	(e)	(e)

TDMS No. 88006-04
 Test Type: CHRONIC
 Route: RESPIRATORY EXPOSURE WHOLE BODY
 Species/Strain: MICE/B6C3F1

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
 ALPHA-METHYLSTYRENE
 CAS Number: 98-83-9
 Pathologist: GRUMBEIN, S.

Date Report Requested: 07/28/2005
 Time Report Requested: 9:58:03
 First Dose M/F: 07/30/01 / 07/30/01
 Lab: BNW

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

DOSE	Females			
	CONTROL	100 PPM	300 PPM	600 PPM

**Skin
 Inflammation Chronic**

LESION RATES

OVERALL (a)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
POLY-3 RATE (b)	0/45.99	0/44.96	0/44.22	0/46.07
POLY-3 PERCENT (g)	0%	0%	0%	0%
TERMINAL (d)	0/39 (0%)	0/38 (0%)	0/37 (0%)	0/37 (0%)
FIRST INCIDENCE	---	---	---	---

STATISTICAL TESTS

LIFE TABLE	(e)	(e)	(e)	(e)
POLY 3	(e)	(e)	(e)	(e)
POLY 1.5	(e)	(e)	(e)	(e)
POLY 6	(e)	(e)	(e)	(e)
LOGISTIC REGRESSION	(e)	(e)	(e)	(e)
COCH-ARM / FISHERS	(e)	(e)	(e)	(e)
ORDER RESTRICTED	(e)	(e)	(e)	(e)

TDMS No. 88006-04
 Test Type: CHRONIC
 Route: RESPIRATORY EXPOSURE WHOLE BODY
 Species/Strain: MICE/B6C3F1

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
 ALPHA-METHYLSTYRENE
 CAS Number: 98-83-9
 Pathologist: GRUMBEIN, S.

Date Report Requested: 07/28/2005
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 First Dose M/F: 07/30/01 / 07/30/01
 Lab: BNW

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

DOSE	Females			
	CONTROL	100 PPM	300 PPM	600 PPM

**Spleen
 Hematopoietic Cell Proliferation**

LESION RATES

OVERALL (a)	6/50 (12%)	5/50 (10%)	3/49 (6%)	5/50 (10%)
POLY-3 RATE (b)	6/47.77	5/46.13	3/44.67	5/46.49
POLY-3 PERCENT (g)	12.6%	10.8%	6.7%	10.8%
TERMINAL (d)	1/39 (3%)	1/38 (3%)	0/37 (0%)	2/37 (5%)
FIRST INCIDENCE	481	537	649	683

STATISTICAL TESTS

LIFE TABLE	P=0.433N	P=0.521N	P=0.269N	P=0.514N
POLY 3	P=0.431N	P=0.524N	P=0.277N	P=0.519N
POLY 1.5	P=0.424N	P=0.514N	P=0.270N	P=0.507N
POLY 6	P=0.442N	P=0.533N	P=0.282N	P=0.535N
LOGISTIC REGRESSION	P=0.434N	P=0.490N	P=0.230N	P=0.536N
COCH-ARM / FISHERS	P=0.419N	P=0.500N	P=0.254N	P=0.500N
ORDER RESTRICTED	P=0.430N	(e)	(e)	(e)

TDMS No. 88006-04
 Test Type: CHRONIC
 Route: RESPIRATORY EXPOSURE WHOLE BODY
 Species/Strain: MICE/B6C3F1

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
 ALPHA-METHYLSTYRENE
 CAS Number: 98-83-9
 Pathologist: GRUMBEIN, S.

Date Report Requested: 07/28/2005
 Time Report Requested: 9:58:03
 First Dose M/F: 07/30/01 / 07/30/01
 Lab: BNW

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

DOSE	Females			
	CONTROL	100 PPM	300 PPM	600 PPM

Spleen
 Hyperplasia Lymphoid

LESION RATES

OVERALL (a)	0/50 (0%)	4/50 (8%)	1/49 (2%)	0/50 (0%)
POLY-3 RATE (b)	0/45.99	4/44.96	1/44.22	0/46.07
POLY-3 PERCENT (g)	0%	8.9%	2.3%	0%
TERMINAL (d)	0/39 (0%)	4/38 (11%)	1/37 (3%)	0/37 (0%)
FIRST INCIDENCE	---	731 (T)	731 (T)	---

STATISTICAL TESTS

LIFE TABLE	P=0.227N	P=0.060	P=0.489	(e)
POLY 3	P=0.215N	P=0.057	P=0.492	(e)
POLY 1.5	P=0.213N	P=0.059	P=0.492	(e)
POLY 6	P=0.219N	P=0.056	P=0.493	(e)
LOGISTIC REGRESSION	(e)	P=0.060	P=0.489	(e)
COCH-ARM / FISHERS	P=0.216N	P=0.059	P=0.495	(e)
ORDER RESTRICTED	P=0.146N	(e)	(e)	(e)

TDMS No. 88006-04
 Test Type: CHRONIC
 Route: RESPIRATORY EXPOSURE WHOLE BODY
 Species/Strain: MICE/B6C3F1

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
 ALPHA-METHYLSTYRENE
 CAS Number: 98-83-9
 Pathologist: GRUMBEIN, S.

Date Report Requested: 07/28/2005
 Time Report Requested: 9:58:03
 First Dose M/F: 07/30/01 / 07/30/01
 Lab: BNW

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

DOSE	Females			
	CONTROL	100 PPM	300 PPM	600 PPM

**Stomach, Forestomach
 Inflammation**

LESION RATES

OVERALL (a)	1/50 (2%)	0/50 (0%)	0/49 (0%)	1/50 (2%)
POLY-3 RATE (b)	1/45.99	0/44.96	0/44.22	1/46.07
POLY-3 PERCENT (g)	2.2%	0%	0%	2.2%
TERMINAL (d)	1/39 (3%)	0/38 (0%)	0/37 (0%)	1/37 (3%)
FIRST INCIDENCE	731 (T)	---	---	731 (T)

STATISTICAL TESTS

LIFE TABLE	P=0.551	P=0.505N	P=0.511N	P=0.750
POLY 3	P=0.565	P=0.505N	P=0.508N	P=0.760N
POLY 1.5	P=0.564	P=0.502N	P=0.508N	P=0.759N
POLY 6	P=0.564	P=0.506N	P=0.507N	P=0.759
LOGISTIC REGRESSION	P=0.551	(e)	(e)	P=0.750
COCH-ARM / FISHERS	P=0.561	P=0.500N	P=0.505N	P=0.753N
ORDER RESTRICTED	P=0.402N	(e)	(e)	(e)

TDMS No. 88006-04
 Test Type: CHRONIC
 Route: RESPIRATORY EXPOSURE WHOLE BODY
 Species/Strain: MICE/B6C3F1

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
 ALPHA-METHYLSTYRENE
 CAS Number: 98-83-9
 Pathologist: GRUMBEIN, S.

Date Report Reqsted: 07/28/2005
 Time Report Reqsted: 9:58:03
 First Dose M/F: 07/30/01 / 07/30/01
 Lab: BNW

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

DOSE	Females			
	CONTROL	100 PPM	300 PPM	600 PPM

Stomach, Forestomach
 Ulcer

LESION RATES

OVERALL (a)	0/50 (0%)	0/50 (0%)	0/49 (0%)	1/50 (2%)
POLY-3 RATE (b)	0/45.99	0/44.96	0/44.22	1/46.28
POLY-3 PERCENT (g)	0%	0%	0%	2.2%
TERMINAL (d)	0/39 (0%)	0/38 (0%)	0/37 (0%)	0/37 (0%)
FIRST INCIDENCE	---	---	---	677

STATISTICAL TESTS

LIFE TABLE	P=0.202	(e)	(e)	P=0.509
POLY 3	P=0.194	(e)	(e)	P=0.501
POLY 1.5	P=0.194	(e)	(e)	P=0.502
POLY 6	P=0.193	(e)	(e)	P=0.500
LOGISTIC REGRESSION	P=0.187	(e)	(e)	P=0.490
COCH-ARM / FISHERS	P=0.191	(e)	(e)	P=0.500
ORDER RESTRICTED	P=0.122	(e)	(e)	(e)

TDMS No. 88006-04
 Test Type: CHRONIC
 Route: RESPIRATORY EXPOSURE WHOLE BODY
 Species/Strain: MICE/B6C3F1

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
 ALPHA-METHYLSTYRENE
 CAS Number: 98-83-9
 Pathologist: GRUMBEIN, S.

Date Report Requested: 07/28/2005
 Time Report Requested: 9:58:03
 First Dose M/F: 07/30/01 / 07/30/01
 Lab: BNW

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

DOSE	Females			
	CONTROL	100 PPM	300 PPM	600 PPM

**Stomach, Forestomach: Epithelium
 Hyperplasia**

LESION RATES

OVERALL (a)	3/50 (6%)	0/50 (0%)	2/49 (4%)	1/50 (2%)
POLY-3 RATE (b)	3/46.38	0/44.96	2/44.22	1/46.07
POLY-3 PERCENT (g)	6.5%	0%	4.5%	2.2%
TERMINAL (d)	2/39 (5%)	0/38 (0%)	2/37 (5%)	1/37 (3%)
FIRST INCIDENCE	621	---	731 (T)	731 (T)

STATISTICAL TESTS

LIFE TABLE	P=0.408N	P=0.130N	P=0.523N	P=0.323N
POLY 3	P=0.388N	P=0.124N	P=0.522N	P=0.308N
POLY 1.5	P=0.389N	P=0.122N	P=0.519N	P=0.304N
POLY 6	P=0.389N	P=0.127N	P=0.523N	P=0.313N
LOGISTIC REGRESSION	P=0.392N	P=0.120N	P=0.515N	P=0.305N
COCH-ARM / FISHERS	P=0.394N	P=0.121N	P=0.510N	P=0.309N
ORDER RESTRICTED	P=0.190N	(e)	(e)	(e)

TDMS No. 88006-04
 Test Type: CHRONIC
 Route: RESPIRATORY EXPOSURE WHOLE BODY
 Species/Strain: MICE/B6C3F1

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
 ALPHA-METHYLSTYRENE
 CAS Number: 98-83-9
 Pathologist: GRUMBEIN, S.

Date Report Requested: 07/28/2005
 Time Report Requested: 9:58:03
 First Dose M/F: 07/30/01 / 07/30/01
 Lab: BNW

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

DOSE	Females			
	CONTROL	100 PPM	300 PPM	600 PPM

**Stomach, Glandular
 Hyperplasia**

LESION RATES

OVERALL (a)	0/49 (0%)	0/48 (0%)	0/49 (0%)	0/50 (0%)
POLY-3 RATE (b)	0/45.09	0/43.88	0/44.22	0/46.07
POLY-3 PERCENT (g)	0%	0%	0%	0%
TERMINAL (d)	0/39 (0%)	0/38 (0%)	0/37 (0%)	0/37 (0%)
FIRST INCIDENCE	---	---	---	---

STATISTICAL TESTS

LIFE TABLE	(e)	(e)	(e)	(e)
POLY 3	(e)	(e)	(e)	(e)
POLY 1.5	(e)	(e)	(e)	(e)
POLY 6	(e)	(e)	(e)	(e)
LOGISTIC REGRESSION	(e)	(e)	(e)	(e)
COCH-ARM / FISHERS	(e)	(e)	(e)	(e)
ORDER RESTRICTED	(e)	(e)	(e)	(e)

TDMS No. 88006-04
 Test Type: CHRONIC
 Route: RESPIRATORY EXPOSURE WHOLE BODY
 Species/Strain: MICE/B6C3F1

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
 ALPHA-METHYLSTYRENE
 CAS Number: 98-83-9
 Pathologist: GRUMBEIN, S.

Date Report Requested: 07/28/2005
 Time Report Requested: 9:58:03
 First Dose M/F: 07/30/01 / 07/30/01
 Lab: BNW

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

DOSE	Females			
	CONTROL	100 PPM	300 PPM	600 PPM

**Stomach, Glandular
 Necrosis**

LESION RATES

OVERALL (a)	2/49 (4%)	0/48 (0%)	0/49 (0%)	0/50 (0%)
POLY-3 RATE (b)	2/45.28	0/43.88	0/44.22	0/46.07
POLY-3 PERCENT (g)	4.4%	0%	0%	0%
TERMINAL (d)	0/39 (0%)	0/38 (0%)	0/37 (0%)	0/37 (0%)
FIRST INCIDENCE	689	---	---	---

STATISTICAL TESTS

LIFE TABLE	P=0.147N	P=0.245N	P=0.254N	P=0.254N
POLY 3	P=0.135N	P=0.244N	P=0.242N	P=0.233N
POLY 1.5	P=0.135N	P=0.243N	P=0.242N	P=0.232N
POLY 6	P=0.134N	P=0.245N	P=0.243N	P=0.237N
LOGISTIC REGRESSION	P=0.137N	P=0.242N	P=0.240N	P=0.232N
COCH-ARM / FISHERS	P=0.136N	P=0.253N	P=0.247N	P=0.242N
ORDER RESTRICTED	P=0.028N*	(e)	(e)	(e)

TDMS No. 88006-04
 Test Type: CHRONIC
 Route: RESPIRATORY EXPOSURE WHOLE BODY
 Species/Strain: MICE/B6C3F1

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
 ALPHA-METHYLSTYRENE
 CAS Number: 98-83-9
 Pathologist: GRUMBEIN, S.

Date Report Requested: 07/28/2005
 Time Report Requested: 9:58:03
 First Dose M/F: 07/30/01 / 07/30/01
 Lab: BNW

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

DOSE	Females			
	CONTROL	100 PPM	300 PPM	600 PPM

**Thyroid Gland: Follicular Cell
 Hyperplasia**

LESION RATES

OVERALL (a)	15/50 (30%)	11/50 (22%)	10/50 (20%)	15/50 (30%)
POLY-3 RATE (b)	15/46.01	11/44.99	10/45.19	15/46.98
POLY-3 PERCENT (g)	32.6%	24.5%	22.1%	31.9%
TERMINAL (d)	14/39 (36%)	10/38 (26%)	8/37 (22%)	12/37 (32%)
FIRST INCIDENCE	725	725	507	527

STATISTICAL TESTS

LIFE TABLE	P=0.389	P=0.267N	P=0.219N	P=0.524
POLY 3	P=0.477	P=0.265N	P=0.187N	P=0.561N
POLY 1.5	P=0.467	P=0.256N	P=0.195N	P=0.563N
POLY 6	P=0.484	P=0.270N	P=0.176N	P=0.561N
LOGISTIC REGRESSION	P=0.450	P=0.251N	P=0.205N	P=0.583
COCH-ARM / FISHERS	P=0.444	P=0.247N	P=0.178N	P=0.586N
ORDER RESTRICTED	P=0.390N	(e)	(e)	(e)

TDMS No. 88006-04
 Test Type: CHRONIC
 Route: RESPIRATORY EXPOSURE WHOLE BODY
 Species/Strain: MICE/B6C3F1

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
 ALPHA-METHYLSTYRENE
 CAS Number: 98-83-9
 Pathologist: GRUMBEIN, S.

Date Report Requested: 07/28/2005
 Time Report Requested: 9:58:03
 First Dose M/F: 07/30/01 / 07/30/01
 Lab: BNW

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

DOSE	Females			
	CONTROL	100 PPM	300 PPM	600 PPM
Tooth Malformation				
LESION RATES				
OVERALL (a)	0/0 (0%)	0/0 (0%)	0/0 (0%)	0/0 (0%)
POLY-3 RATE (b)	0/0.00	0/0.00	0/0.00	0/0.00
POLY-3 PERCENT (g)	0%	0%	0%	0%
TERMINAL (d)	0/0 (0%)	0/0 (0%)	0/0 (0%)	0/0 (0%)
FIRST INCIDENCE	---	---	---	---
STATISTICAL TESTS				
LIFE TABLE	(e)	(e)	(e)	(e)
POLY 3	(e)	(e)	(e)	(e)
POLY 1.5	(e)	(e)	(e)	(e)
POLY 6	(e)	(e)	(e)	(e)
LOGISTIC REGRESSION	(e)	(e)	(e)	(e)
COCH-ARM / FISHERS	(e)	(e)	(e)	(e)
ORDER RESTRICTED	(e)	(e)	(e)	(e)

TDMS No. 88006-04
 Test Type: CHRONIC
 Route: RESPIRATORY EXPOSURE WHOLE BODY
 Species/Strain: MICE/B6C3F1

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
 ALPHA-METHYLSTYRENE
 CAS Number: 98-83-9
 Pathologist: GRUMBEIN, S.

Date Report Requested: 07/28/2005
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 First Dose M/F: 07/30/01 / 07/30/01
 Lab: BNW

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

DOSE	Females			
	CONTROL	100 PPM	300 PPM	600 PPM

**Urinary Bladder: Transitional Epithelium
 Hyperplasia**

LESION RATES

OVERALL (a)	0/49 (0%)	0/48 (0%)	0/48 (0%)	0/50 (0%)
POLY-3 RATE (b)	0/45.09	0/43.88	0/44.22	0/46.07
POLY-3 PERCENT (g)	0%	0%	0%	0%
TERMINAL (d)	0/39 (0%)	0/38 (0%)	0/37 (0%)	0/37 (0%)
FIRST INCIDENCE	---	---	---	---

STATISTICAL TESTS

LIFE TABLE	(e)	(e)	(e)	(e)
POLY 3	(e)	(e)	(e)	(e)
POLY 1.5	(e)	(e)	(e)	(e)
POLY 6	(e)	(e)	(e)	(e)
LOGISTIC REGRESSION	(e)	(e)	(e)	(e)
COCH-ARM / FISHERS	(e)	(e)	(e)	(e)
ORDER RESTRICTED	(e)	(e)	(e)	(e)

TDMS No. 88006-04
 Test Type: CHRONIC
 Route: RESPIRATORY EXPOSURE WHOLE BODY
 Species/Strain: MICE/B6C3F1

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
 ALPHA-METHYLSTYRENE
 CAS Number: 98-83-9
 Pathologist: GRUMBEIN, S.

Date Report Requested: 07/28/2005
 Time Report Requested: 9:58:03
 First Dose M/F: 07/30/01 / 07/30/01
 Lab: BNW

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

DOSE	Females			
	CONTROL	100 PPM	300 PPM	600 PPM

**Uterus
 Angiectasis**

LESION RATES

OVERALL (a)	2/50 (4%)	1/50 (2%)	0/49 (0%)	2/50 (4%)
POLY-3 RATE (b)	2/45.99	1/44.96	0/44.22	2/46.16
POLY-3 PERCENT (g)	4.4%	2.2%	0%	4.3%
TERMINAL (d)	2/39 (5%)	1/38 (3%)	0/37 (0%)	1/37 (3%)
FIRST INCIDENCE	731 (T)	731 (T)	---	709

STATISTICAL TESTS

LIFE TABLE	P=0.563	P=0.509N	P=0.250N	P=0.677
POLY 3	P=0.581	P=0.508N	P=0.246N	P=0.692N
POLY 1.5	P=0.580	P=0.504N	P=0.246N	P=0.691N
POLY 6	P=0.580	P=0.510N	P=0.245N	P=0.692
LOGISTIC REGRESSION	P=0.574	P=0.509N	(e)	P=0.690
COCH-ARM / FISHERS	P=0.577	P=0.500N	P=0.253N	P=0.691N
ORDER RESTRICTED	P=0.419N	(e)	(e)	(e)

TDMS No. 88006-04
 Test Type: CHRONIC
 Route: RESPIRATORY EXPOSURE WHOLE BODY
 Species/Strain: MICE/B6C3F1

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
 ALPHA-METHYLSTYRENE
 CAS Number: 98-83-9
 Pathologist: GRUMBEIN, S.

Date Report Requested: 07/28/2005
 Time Report Requested: 9:58:03
 First Dose M/F: 07/30/01 / 07/30/01
 Lab: BNW

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

DOSE	Females			
	CONTROL	100 PPM	300 PPM	600 PPM

Uterus: Endometrium
 Hyperplasia Cystic

LESION RATES

OVERALL (a)	5/50 (10%)	8/50 (16%)	9/49 (18%)	9/50 (18%)
POLY-3 RATE (b)	5/46.98	8/44.96	9/44.85	9/46.61
POLY-3 PERCENT (g)	10.6%	17.8%	20.1%	19.3%
TERMINAL (d)	3/39 (8%)	8/38 (21%)	6/37 (16%)	6/37 (16%)
FIRST INCIDENCE	537	731 (T)	656	645

STATISTICAL TESTS

LIFE TABLE	P=0.180	P=0.259	P=0.178	P=0.182
POLY 3	P=0.197	P=0.248	P=0.167	P=0.188
POLY 1.5	P=0.200	P=0.260	P=0.169	P=0.194
POLY 6	P=0.191	P=0.236	P=0.168	P=0.181
LOGISTIC REGRESSION	P=0.201	P=0.271	P=0.181	P=0.190
COCH-ARM / FISHERS	P=0.196	P=0.277	P=0.183	P=0.194
ORDER RESTRICTED	P=0.186	(e)	(e)	(e)

TDMS No. 88006-04

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: MICE/B6C3F1

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

ALPHA-METHYLSTYRENE

CAS Number: 98-83-9

Pathologist: GRUMBEIN, S.

Date Report Requested: 07/28/2005

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First Dose M/F: 07/30/01 / 07/30/01

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.
 - (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. The life table analysis regards tumors in animals dying prior to terminal kill as being (directly or indirectly) the cause of death.
 - (e) Value of Statistic cannot be computed.
 - (g) Poly-3 adjusted lifetime tumor incidence.
 - (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
- Logistic regression is an alternative method for analyzing the incidence of non-fatal tumors.
The Cochran-Armitage and Fishers exact tests compare directly the overall incidence rates.

*** END OF REPORT ***