

TDMS No. 99023 - 04
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: MICE/B6C3F1

P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS

beta-Myrcene
CAS Number: 123-35-3

Date Report Requested: 04/10/2008
Time Report Requested: 07:27:51
First Dose M/F: 04/11/02 / 04/10/02
Lab: BAT

F1_Rev.1_M3

C Number: C99023

Lock Date: 12/22/2004

Cage Range: ALL

Date Range: ALL

Reasons For Removal: ALL

Removal Date Range: ALL

Treatment Groups: Include 001 0 G/KG

Include 002 0 G/KG

Include 003 0.25 G/KG

Include 004 0.25 G/KG

Include 005 0.5 G/KG

Include 006 0.5 G/KG

TDMSE Version: 2.0.0

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HISTORICAL CONTROL STUDIES From October 2007 Report

SAME ROUTE

88105-04 -- Isoeugenol (GAVAGE CORN OIL)

ALL ROUTES

88138-04 -- Benzophenone (ORAL FEED)
99027-04 -- Chromium picolinate monohydrate (ORAL FEED)
05174-06 -- Cresols (ORAL FEED)
96011-06 -- Cumene (INHALATION AIR)
97003-08 -- 1,2-Dibromo-2,4-dicyanobutane (SKIN ETHANOL)
93020-08 -- Diisopropylcarbodiimide (SKIN ETHANOL)
88004-06 -- Divinylbenzene (INHALATION AIR)
88123-07 -- Formamide (GAVAGE WATER)
95011-06 -- 5-(Hydroxymethyl)-2-furfural (GAVAGE WATER)
88105-04 -- Isoeugenol (GAVAGE CORN OIL)
97006-02 -- Methyl isobutyl ketone (INHALATION AIR)
91005-08 -- Methylene blue trihydrate (GAVAGE METHYLCELLULOSE)
92012-06 -- 2-Methylimidazole (ORAL FEED)
92013-06 -- 4-Methylimidazole (ORAL FEED)
88006-04 -- alpha-Methylstyrene (INHALATION AIR)
97008-06 -- Propargyl alcohol (INHALATION AIR)
20114-06 -- Sodium dichromate dihydrate (VI) (ORAL WATER)
96001-06 -- Stoddard solvent (type IIC) (INHALATION AIR)
05109-14 -- Triethanolamine (SKIN ACETONE)
96019-06 -- Water disinfection byproducts (Bromochloroacetic acid) (ORAL WATER)
96018-04 -- Water disinfection byproducts (Bromodichloromethane) (ORAL WATER)
96017-06 -- Water disinfection byproducts (Dibromoacetic acid) (ORAL WATER)
96015-06 -- Water disinfection byproducts (Dibromoacetonitrile) (ORAL WATER)
96010-04 -- Water disinfection byproducts (Sodium chlorate) (ORAL WATER)

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

Adrenal Cortex
Adrenal Medulla
Bone Marrow
Clitoral/Preputial Gland
Heart
Islets, Pancreatic
Kidney
Liver
Lung
Ovary
Pituitary Gland
Spleen
Testes
Thymus
Thyroid Gland

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SUMMARY OF STATISTICALLY SIGNIFICANT (P<=.05) RESULTS IN THE ANALYSIS OF beta-Myrcene

MALE MICE

Organ

Liver

Morphology

Hepatoblastoma
Hepatocellular Adenoma
Hepatocellular Carcinoma
Hepatocellular Carcinoma or Hepatoblastoma
Hepatocellular Carcinoma or Hepatocellular Adenoma
Hepatocellular Carcinoma, Hepatocellular Adenoma, or Hepatoblastoma
Histiocytic Sarcoma
Benign Tumors
Malignant Tumors
Malignant and Benign Tumors

All Organs

FEMALE MICE

Organ

Liver

Morphology

Hepatocellular Adenoma
Hepatocellular Carcinoma
Hepatocellular Carcinoma or Hepatoblastoma
Hepatocellular Carcinoma or Hepatocellular Adenoma
Hepatocellular Carcinoma, Hepatocellular Adenoma, or Hepatoblastoma

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**STATISTICAL ANALYSIS OF PRIMARY TUMORS IN MICE(B6C3F1)
 TERMINAL SACRIFICE AT 104 WEEKS**

	Males		
DOSE	0 G/KG	0.25 G/KG	0.5 G/KG

**Adrenal Cortex
 Adenoma**

TUMOR RATES

OVERALL (a)	2/50 (4%)	4/50 (8%)	0/50 (0%)
POLY-3 RATE (b)	2/43.87	4/43.93	0/43.48
POLY-3 PERCENT (g)	4.6%	9.1%	0%
TERMINAL (d)	2/34 (6%)	4/35 (11%)	0/31 (0%)
FIRST INCIDENCE	728 (T)	728 (T)	---
HC TUMORS SAME RTE	3/50 (6%)		
HC TUMORS ALL RTES	72/1092 (7%)		

STATISTICAL TESTS

POLY 3	P=0.224N	P=0.337	P=0.239N
POLY 1.5	P=0.223N	P=0.337	P=0.238N
POLY 6	P=0.226N	P=0.341	P=0.239N
COCH-ARM / FISHERS	P=0.222N	P=0.339	P=0.247N
MAX-ISO-POLY-3	P=0.085N	P=0.201	P=0.078N
HISTCONT SAME RTE	(h)	(h)	(h)
HISTCONT ALL RTES	(h)	(h)	(h)

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**STATISTICAL ANALYSIS OF PRIMARY TUMORS IN MICE(B6C3F1)
 TERMINAL SACRIFICE AT 104 WEEKS**

DOSE	Males		
	0 G/KG	0.25 G/KG	0.5 G/KG

**Harderian Gland
 Adenoma**

TUMOR RATES	#	#	#
OVERALL (a)	9/50 (18%)	10/50 (20%)	10/50 (20%)
POLY-3 RATE (b)	9/44.31	10/45.44	10/43.96
POLY-3 PERCENT (g)	20.3%	22%	22.8%
TERMINAL (d)	7/34 (21%)	7/35 (20%)	9/31 (29%)
FIRST INCIDENCE	666	503	587
HC TUMORS SAME RTE	8/50 (16%)		
HC TUMORS ALL RTES	143/1099 (13%)		

STATISTICAL TESTS

POLY 3	P=0.441	P=0.525	P=0.492
POLY 1.5	P=0.445	P=0.513	P=0.495
POLY 6	P=0.436	P=0.539	P=0.487
COCH-ARM / FISHERS	P=0.450	P=0.500	P=0.500
MAX-ISO-POLY-3	P=0.535	P=0.421	P=0.389
HISTCONT SAME RTE	P=0.131	P=0.141	P=0.137
HISTCONT ALL RTES	P=0.030*	P=0.145	P=0.130

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 TERMINAL SACRIFICE AT 104 WEEKS**

	Males		
DOSE	0 G/KG	0.25 G/KG	0.5 G/KG

**Harderian Gland
 Carcinoma**

TUMOR RATES	#	#	#
OVERALL (a)	1/50 (2%)	2/50 (4%)	2/50 (4%)
POLY-3 RATE (b)	1/44.1	2/43.93	2/44.17
POLY-3 PERCENT (g)	2.3%	4.6%	4.5%
TERMINAL (d)	0/34 (0%)	2/35 (6%)	0/31 (0%)
FIRST INCIDENCE	666	728 (T)	586
HC TUMORS SAME RTE	4/50 (8%)		
HC TUMORS ALL RTES	29/1099 (3%)		

STATISTICAL TESTS

POLY 3	P=0.391	P=0.499	P=0.501
POLY 1.5	P=0.391	P=0.499	P=0.500
POLY 6	P=0.393	P=0.500	P=0.502
COCH-ARM / FISHERS	P=0.390	P=0.500	P=0.500
MAX-ISO-POLY-3	P=0.401	P=0.280	P=0.281
HISTCONT SAME RTE	P=0.554	P=0.419	P=0.421
HISTCONT ALL RTES	P=0.483	P=0.350	P=0.351

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**STATISTICAL ANALYSIS OF PRIMARY TUMORS IN MICE(B6C3F1)
 TERMINAL SACRIFICE AT 104 WEEKS**

DOSE	Males		
	0 G/KG	0.25 G/KG	0.5 G/KG

**Harderian Gland
 Carcinoma or Adenoma**

TUMOR RATES	#	#	#
OVERALL (a)	9/50 (18%)	12/50 (24%)	12/50 (24%)
POLY-3 RATE (b)	9/44.31	12/45.44	12/44.64
POLY-3 PERCENT (g)	20.3%	26.4%	26.9%
TERMINAL (d)	7/34 (21%)	9/35 (26%)	9/31 (29%)
FIRST INCIDENCE	666	503	586
HC TUMORS SAME RTE	12/50 (24%)		
HC TUMORS ALL RTES	167/1099 (15%)		

STATISTICAL TESTS

POLY 3	P=0.276	P=0.332	P=0.315
POLY 1.5	P=0.275	P=0.323	P=0.313
POLY 6	P=0.280	P=0.345	P=0.319
COCH-ARM / FISHERS	P=0.273	P=0.312	P=0.312
MAX-ISO-POLY-3	P=0.330	P=0.250	P=0.233
HISTCONT SAME RTE	P=0.472	P=0.381	P=0.359
HISTCONT ALL RTES	P=0.029*	P=0.138	P=0.131

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 TERMINAL SACRIFICE AT 104 WEEKS**

DOSE	Males		
	0 G/KG	0.25 G/KG	0.5 G/KG

**Intestine Small: Site Unspecified
 Carcinoma or Adenoma**

TUMOR RATES	#	#	#
OVERALL (a)	0/50 (0%)	2/50 (4%)	0/50 (0%)
POLY-3 RATE (b)	0/43.87	2/43.93	0/43.48
POLY-3 PERCENT (g)	0%	4.6%	0%
TERMINAL (d)	0/34 (0%)	2/35 (6%)	0/31 (0%)
FIRST INCIDENCE	---	728 (T)	---
HC TUMORS SAME RTE	0/50 (0%)		
HC TUMORS ALL RTES	27/1099 (3%)		

STATISTICAL TESTS

POLY 3	P=0.666	P=0.237	(e)
POLY 1.5	P=0.667	P=0.237	(e)
POLY 6	P=0.665	P=0.239	(e)
COCH-ARM / FISHERS	P=0.669	P=0.247	(e)
MAX-ISO-POLY-3	P=0.267	P=0.076	(e)
HISTCONT SAME RTE	P=0.394	P=0.131	(e)
HISTCONT ALL RTES	P=0.315	P=0.087	(e)

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 TERMINAL SACRIFICE AT 104 WEEKS**

DOSE	Males		
	0 G/KG	0.25 G/KG	0.5 G/KG

Liver
 Hemangiosarcoma

TUMOR RATES

OVERALL (a)	5/50 (10%)	3/50 (6%)	2/50 (4%)
POLY-3 RATE (b)	5/44.18	3/44.02	2/43.48
POLY-3 PERCENT (g)	11.3%	6.8%	4.6%
TERMINAL (d)	4/34 (12%)	2/35 (6%)	2/31 (7%)
FIRST INCIDENCE	644	706	728 (T)
HC TUMORS SAME RTE	1/50 (2%)		
HC TUMORS ALL RTES	25/1096 (2%)		

STATISTICAL TESTS

POLY 3	P=0.163N	P=0.358N	P=0.222N
POLY 1.5	P=0.161N	P=0.359N	P=0.220N
POLY 6	P=0.165N	P=0.355N	P=0.225N
COCH-ARM / FISHERS	P=0.158N	P=0.357N	P=0.218N
MAX-ISO-POLY-3	P=0.166N	P=0.232N	P=0.125N
HISTCONT SAME RTE	(h)	(h)	(h)
HISTCONT ALL RTES	(h)	(h)	(h)

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 TERMINAL SACRIFICE AT 104 WEEKS**

DOSE	Males		
	0 G/KG	0.25 G/KG	0.5 G/KG

Liver
 Hepatoblastoma

TUMOR RATES

OVERALL (a)	4/50 (8%)	6/50 (12%)	11/50 (22%)
POLY-3 RATE (b)	4/44.31	6/45.2	11/44.03
POLY-3 PERCENT (g)	9%	13.3%	25%
TERMINAL (d)	3/34 (9%)	3/35 (9%)	7/31 (23%)
FIRST INCIDENCE	599	582	660
HC TUMORS SAME RTE	3/50 (6%)		
HC TUMORS ALL RTES	39/1096 (4%)		

STATISTICAL TESTS

POLY 3	P=0.027*	P=0.382	P=0.041*
POLY 1.5	P=0.028*	P=0.375	P=0.042*
POLY 6	P=0.027*	P=0.394	P=0.040*
COCH-ARM / FISHERS	P=0.031*	P=0.370	P=0.045*
MAX-ISO-POLY-3	P=0.025*	P=0.265	P=0.022*
HISTCONT SAME RTE	P=0.044*	P=0.144	P=0.039*
HISTCONT ALL RTES	P=0.006**	P=0.227	P=0.022*

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 TERMINAL SACRIFICE AT 104 WEEKS**

DOSE	Males		
	0 G/KG	0.25 G/KG	0.5 G/KG

Liver
 Hepatocellular Adenoma

TUMOR RATES

OVERALL (a)	26/50 (52%)	41/50 (82%)	43/50 (86%)
POLY-3 RATE (b)	26/45.02	41/46.48	43/48.18
POLY-3 PERCENT (g)	57.8%	88.2%	89.3%
TERMINAL (d)	23/34 (68%)	33/35 (94%)	29/31 (94%)
FIRST INCIDENCE	468	533	525
HC TUMORS SAME RTE	24/50 (48%)		
HC TUMORS ALL RTEs	518/1096 (47%)		

STATISTICAL TESTS

POLY 3	P<0.001**	P<0.001**	P<0.001**
POLY 1.5	P<0.001**	P<0.001**	P<0.001**
POLY 6	P<0.001**	P<0.001**	P<0.001**
COCH-ARM / FISHERS	P<0.001**	P<0.001**	P<0.001**
MAX-ISO-POLY-3	P<0.001**	P<0.001**	P<0.001**
HISTCONT SAME RTE	P<0.001**	P<0.001**	P<0.001**
HISTCONT ALL RTEs	P<0.001**	P<0.001**	P<0.001**

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 TERMINAL SACRIFICE AT 104 WEEKS**

DOSE	Males		
	0 G/KG	0.25 G/KG	0.5 G/KG

**Liver
 Hepatocellular Carcinoma**

TUMOR RATES

OVERALL (a)	14/50 (28%)	20/50 (40%)	28/50 (56%)
POLY-3 RATE (b)	14/45.74	20/46.79	28/47.62
POLY-3 PERCENT (g)	30.6%	42.8%	58.8%
TERMINAL (d)	8/34 (24%)	13/35 (37%)	16/31 (52%)
FIRST INCIDENCE	611	533	450
HC TUMORS SAME RTE	8/50 (16%)		
HC TUMORS ALL RTES	303/1096 (28%)		

STATISTICAL TESTS

POLY 3	P=0.003**	P=0.158	P=0.004**
POLY 1.5	P=0.003**	P=0.151	P=0.004**
POLY 6	P=0.004**	P=0.169	P=0.005**
COCH-ARM / FISHERS	P=0.003**	P=0.146	P=0.004**
MAX-ISO-POLY-3	P=0.004**	P=0.113	P=0.002**
HISTCONT SAME RTE	P=0.006**	P=0.125	P=0.005**
HISTCONT ALL RTES	P=0.002**	P=0.132	P=0.003**

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DOSE	Males		
	0 G/KG	0.25 G/KG	0.5 G/KG

**Liver
 Hepatocellular Carcinoma or Hepatoblastoma**

TUMOR RATES

OVERALL (a)	16/50 (32%)	22/50 (44%)	31/50 (62%)
POLY-3 RATE (b)	16/46.18	22/47.12	31/47.62
POLY-3 PERCENT (g)	34.7%	46.7%	65.1%
TERMINAL (d)	9/34 (27%)	14/35 (40%)	19/31 (61%)
FIRST INCIDENCE	599	533	450
HC TUMORS SAME RTE	11/50 (22%)		
HC TUMORS ALL RTES	330/1096 (30%)		

STATISTICAL TESTS

POLY 3	P=0.002**	P=0.163	P=0.002**
POLY 1.5	P=0.002**	P=0.156	P=0.002**
POLY 6	P=0.002**	P=0.176	P=0.002**
COCH-ARM / FISHERS	P=0.002**	P=0.151	P=0.002**
MAX-ISO-POLY-3	P<0.001**	P=0.119	P<0.001**
HISTCONT SAME RTE	P=0.003**	P=0.128	P=0.002**
HISTCONT ALL RTES	P=0.002**	P=0.139	P<0.001**

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 TERMINAL SACRIFICE AT 104 WEEKS**

DOSE	Males		
	0 G/KG	0.25 G/KG	0.5 G/KG

**Liver
 Hepatocellular Carcinoma or Hepatocellular Adenoma**

TUMOR RATES

OVERALL (a)	33/50 (66%)	44/50 (88%)	48/50 (96%)
POLY-3 RATE (b)	33/46.48	44/47.54	48/49.67
POLY-3 PERCENT (g)	71%	92.6%	96.6%
TERMINAL (d)	25/34 (74%)	33/35 (94%)	30/31 (97%)
FIRST INCIDENCE	468	533	450
HC TUMORS SAME RTE	28/50 (56%)		
HC TUMORS ALL RTES	696/1096 (64%)		

STATISTICAL TESTS

POLY 3	P<0.001**	P=0.003**	P<0.001**
POLY 1.5	P<0.001**	P=0.004**	P<0.001**
POLY 6	P<0.001**	P=0.005**	P<0.001**
COCH-ARM / FISHERS	P<0.001**	P=0.008**	P<0.001**
MAX-ISO-POLY-3	P<0.001**	P<0.001**	P<0.001**
HISTCONT SAME RTE	P<0.001**	P=0.003**	P<0.001**
HISTCONT ALL RTES	P<0.001**	P=0.002**	P<0.001**

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 TERMINAL SACRIFICE AT 104 WEEKS**

DOSE	Males		
	0 G/KG	0.25 G/KG	0.5 G/KG

Liver
 Hepatocellular Carcinoma, Hepatocellular Adenoma, or Hepatoblastoma

TUMOR RATES

OVERALL (a)	34/50 (68%)	45/50 (90%)	48/50 (96%)
POLY-3 RATE (b)	34/46.92	45/47.88	48/49.67
POLY-3 PERCENT (g)	72.5%	94%	96.6%
TERMINAL (d)	25/34 (74%)	33/35 (94%)	30/31 (97%)
FIRST INCIDENCE	468	533	450
HC TUMORS SAME RTE	30/50 (60%)		
HC TUMORS ALL RTES	706/1096 (64%)		

STATISTICAL TESTS

POLY 3	P<0.001**	P=0.003**	P<0.001**
POLY 1.5	P<0.001**	P=0.003**	P<0.001**
POLY 6	P<0.001**	P=0.004**	P<0.001**
COCH-ARM / FISHERS	P<0.001**	P=0.006**	P<0.001**
MAX-ISO-POLY-3	P<0.001**	P<0.001**	P<0.001**
HISTCONT SAME RTE	P<0.001**	P=0.002**	P<0.001**
HISTCONT ALL RTES	P<0.001**	P<0.001**	P<0.001**

TDMS No. 99023 - 04
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: MICE/B6C3F1

P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS
 beta-Myrcene
 CAS Number: 123-35-3

Date Report Requested: 04/10/2008
 Time Report Requested: 07:27:51
 First Dose M/F: 04/11/02 / 04/10/02
 Lab: BAT

**STATISTICAL ANALYSIS OF PRIMARY TUMORS IN MICE(B6C3F1)
 TERMINAL SACRIFICE AT 104 WEEKS**

DOSE	Males		
	0 G/KG	0.25 G/KG	0.5 G/KG

Liver
 Ito Cell Tumor Malignant

TUMOR RATES

OVERALL (a)	2/50 (4%)	0/50 (0%)	0/50 (0%)
POLY-3 RATE (b)	2/43.87	0/43.93	0/43.48
POLY-3 PERCENT (g)	4.6%	0%	0%
TERMINAL (d)	2/34 (6%)	0/35 (0%)	0/31 (0%)
FIRST INCIDENCE	728 (T)	---	---
HC TUMORS SAME RTE	0/50 (0%)		
HC TUMORS ALL RTES	3/1096 (0%)		

STATISTICAL TESTS

POLY 3	P=0.095N	P=0.237N	P=0.239N
POLY 1.5	P=0.095N	P=0.237N	P=0.238N
POLY 6	P=0.095N	P=0.235N	P=0.239N
COCH-ARM / FISHERS	P=0.095N	P=0.247N	P=0.247N
MAX-ISO-POLY-3	P=0.054N	P=0.076N	P=0.078N
HISTCONT SAME RTE	(h)	(h)	(h)
HISTCONT ALL RTES	(h)	(h)	(h)

TDMS No. 99023 - 04
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: MICE/B6C3F1

P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS
 beta-Myrcene
 CAS Number: 123-35-3

Date Report Requested: 04/10/2008
 Time Report Requested: 07:27:51
 First Dose M/F: 04/11/02 / 04/10/02
 Lab: BAT

**STATISTICAL ANALYSIS OF PRIMARY TUMORS IN MICE(B6C3F1)
 TERMINAL SACRIFICE AT 104 WEEKS**

DOSE	Males		
	0 G/KG	0.25 G/KG	0.5 G/KG

Lung
 Alveolar/Bronchiolar Adenoma

TUMOR RATES

OVERALL (a)	8/50 (16%)	13/50 (26%)	9/50 (18%)
POLY-3 RATE (b)	8/44.6	13/45.65	9/45.49
POLY-3 PERCENT (g)	17.9%	28.5%	19.8%
TERMINAL (d)	7/34 (21%)	8/35 (23%)	5/31 (16%)
FIRST INCIDENCE	468	533	549
HC TUMORS SAME RTE	6/50 (12%)		
HC TUMORS ALL RTES	201/1098 (18%)		

STATISTICAL TESTS

POLY 3	P=0.473	P=0.173	P=0.518
POLY 1.5	P=0.460	P=0.166	P=0.508
POLY 6	P=0.494	P=0.190	P=0.535
COCH-ARM / FISHERS	P=0.450	P=0.163	P=0.500
MAX-ISO-POLY-3	P=0.335	P=0.119	P=0.410
HISTCONT SAME RTE	P=0.253	P=0.147	P=0.151
HISTCONT ALL RTES	P=0.400	P=0.139	P=0.523

TDMS No. 99023 - 04
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: MICE/B6C3F1

P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS
 beta-Myrcene
 CAS Number: 123-35-3

Date Report Requested: 04/10/2008
 Time Report Requested: 07:27:51
 First Dose M/F: 04/11/02 / 04/10/02
 Lab: BAT

**STATISTICAL ANALYSIS OF PRIMARY TUMORS IN MICE(B6C3F1)
 TERMINAL SACRIFICE AT 104 WEEKS**

DOSE	Males		
	0 G/KG	0.25 G/KG	0.5 G/KG

**Lung
 Alveolar/Bronchiolar Carcinoma**

TUMOR RATES

OVERALL (a)	5/50 (10%)	5/50 (10%)	2/50 (4%)
POLY-3 RATE (b)	5/44.75	5/43.93	2/44.24
POLY-3 PERCENT (g)	11.2%	11.4%	4.5%
TERMINAL (d)	3/34 (9%)	5/35 (14%)	1/31 (3%)
FIRST INCIDENCE	567	728 (T)	450
HC TUMORS SAME RTE	2/50 (4%)		
HC TUMORS ALL RTES	110/1098 (10%)		

STATISTICAL TESTS

POLY 3	P=0.183N	P=0.619	P=0.220N
POLY 1.5	P=0.181N	P=0.623	P=0.219N
POLY 6	P=0.187N	P=0.616	P=0.224N
COCH-ARM / FISHERS	P=0.178N	P=0.630N	P=0.218N
MAX-ISO-POLY-3	P=0.186N	P=0.487	P=0.124N
HISTCONT SAME RTE	(h)	(h)	(h)
HISTCONT ALL RTES	(h)	(h)	(h)

TDMS No. 99023 - 04
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: MICE/B6C3F1

P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS
 beta-Myrcene
 CAS Number: 123-35-3

Date Report Requested: 04/10/2008
 Time Report Requested: 07:27:51
 First Dose M/F: 04/11/02 / 04/10/02
 Lab: BAT

**STATISTICAL ANALYSIS OF PRIMARY TUMORS IN MICE(B6C3F1)
 TERMINAL SACRIFICE AT 104 WEEKS**

DOSE	Males		
	0 G/KG	0.25 G/KG	0.5 G/KG

Lung
 Alveolar/Bronchiolar Carcinoma or Alveolar/Bronchiolar Adenoma

TUMOR RATES

OVERALL (a)	13/50 (26%)	17/50 (34%)	11/50 (22%)
POLY-3 RATE (b)	13/45.49	17/45.65	11/46.26
POLY-3 PERCENT (g)	28.6%	37.2%	23.8%
TERMINAL (d)	10/34 (29%)	12/35 (34%)	6/31 (19%)
FIRST INCIDENCE	468	533	450
HC TUMORS SAME RTE	7/50 (14%)		
HC TUMORS ALL RTES	296/1098 (27%)		

STATISTICAL TESTS

POLY 3	P=0.343N	P=0.254	P=0.388N
POLY 1.5	P=0.355N	P=0.252	P=0.397N
POLY 6	P=0.328N	P=0.268	P=0.375N
COCH-ARM / FISHERS	P=0.368N	P=0.257	P=0.408N
MAX-ISO-POLY-3	P=0.236N	P=0.188	P=0.302N
HISTCONT SAME RTE	(h)	(h)	(h)
HISTCONT ALL RTES	(h)	(h)	(h)

TDMS No. 99023 - 04
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: MICE/B6C3F1

P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS
 beta-Myrcene
 CAS Number: 123-35-3

Date Report Requested: 04/10/2008
 Time Report Requested: 07:27:51
 First Dose M/F: 04/11/02 / 04/10/02
 Lab: BAT

**STATISTICAL ANALYSIS OF PRIMARY TUMORS IN MICE(B6C3F1)
 TERMINAL SACRIFICE AT 104 WEEKS**

DOSE	Males		
	0 G/KG	0.25 G/KG	0.5 G/KG

**Skin
 Fibroma, Fibrosarcoma, Sarcoma, Myxoma, Myxosarcoma, or Fibrous Histiocytoma**

TUMOR RATES	#	#	#
OVERALL (a)	1/50 (2%)	0/50 (0%)	0/50 (0%)
POLY-3 RATE (b)	1/44.6	0/43.93	0/43.48
POLY-3 PERCENT (g)	2.2%	0%	0%
TERMINAL (d)	0/34 (0%)	0/35 (0%)	0/31 (0%)
FIRST INCIDENCE	468	---	---
HC TUMORS SAME RTE	0/50 (0%)		
HC TUMORS ALL RTES	13/1099 (1%)		

STATISTICAL TESTS

POLY 3	P=0.274N	P=0.503N	P=0.505N
POLY 1.5	P=0.273N	P=0.502N	P=0.503N
POLY 6	P=0.276N	P=0.503N	P=0.507N
COCH-ARM / FISHERS	P=0.269N	P=0.500N	P=0.500N
MAX-ISO-POLY-3	P=0.160N	P=0.162N	P=0.165N
HISTCONT SAME RTE	(h)	(h)	(h)
HISTCONT ALL RTES	(h)	(h)	(h)

TDMS No. 99023 - 04
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: MICE/B6C3F1

P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS
 beta-Myrcene
 CAS Number: 123-35-3

Date Report Requested: 04/10/2008
 Time Report Requested: 07:27:51
 First Dose M/F: 04/11/02 / 04/10/02
 Lab: BAT

**STATISTICAL ANALYSIS OF PRIMARY TUMORS IN MICE(B6C3F1)
 TERMINAL SACRIFICE AT 104 WEEKS**

DOSE	Males		
	0 G/KG	0.25 G/KG	0.5 G/KG

**Skin
 Fibrosarcoma, Sarcoma, Myxosarcoma, or Fibrous Histiocytoma**

TUMOR RATES	#	#	#
OVERALL (a)	1/50 (2%)	0/50 (0%)	0/50 (0%)
POLY-3 RATE (b)	1/44.6	0/43.93	0/43.48
POLY-3 PERCENT (g)	2.2%	0%	0%
TERMINAL (d)	0/34 (0%)	0/35 (0%)	0/31 (0%)
FIRST INCIDENCE	468	---	---
HC TUMORS SAME RTE	0/50 (0%)		
HC TUMORS ALL RTES	10/1099 (1%)		

STATISTICAL TESTS

POLY 3	P=0.274N	P=0.503N	P=0.505N
POLY 1.5	P=0.273N	P=0.502N	P=0.503N
POLY 6	P=0.276N	P=0.503N	P=0.507N
COCH-ARM / FISHERS	P=0.269N	P=0.500N	P=0.500N
MAX-ISO-POLY-3	P=0.160N	P=0.162N	P=0.165N
HISTCONT SAME RTE	(h)	(h)	(h)
HISTCONT ALL RTES	(h)	(h)	(h)

TDMS No. 99023 - 04
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: MICE/B6C3F1

P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS
 beta-Myrcene
 CAS Number: 123-35-3

Date Report Requested: 04/10/2008
 Time Report Requested: 07:27:51
 First Dose M/F: 04/11/02 / 04/10/02
 Lab: BAT

**STATISTICAL ANALYSIS OF PRIMARY TUMORS IN MICE(B6C3F1)
 TERMINAL SACRIFICE AT 104 WEEKS**

DOSE	Males		
	0 G/KG	0.25 G/KG	0.5 G/KG
Skin			
Sarcoma			
TUMOR RATES	#	#	#
OVERALL (a)	1/50 (2%)	0/50 (0%)	0/50 (0%)
POLY-3 RATE (b)	1/44.6	0/43.93	0/43.48
POLY-3 PERCENT (g)	2.2%	0%	0%
TERMINAL (d)	0/34 (0%)	0/35 (0%)	0/31 (0%)
FIRST INCIDENCE	468	---	---
HC TUMORS SAME RTE	0/50 (0%)		
HC TUMORS ALL RTES	5/1099 (1%)		

STATISTICAL TESTS

POLY 3	P=0.274N	P=0.503N	P=0.505N
POLY 1.5	P=0.273N	P=0.502N	P=0.503N
POLY 6	P=0.276N	P=0.503N	P=0.507N
COCH-ARM / FISHERS	P=0.269N	P=0.500N	P=0.500N
MAX-ISO-POLY-3	P=0.160N	P=0.162N	P=0.165N
HISTCONT SAME RTE	(h)	(h)	(h)
HISTCONT ALL RTES	(h)	(h)	(h)

TDMS No. 99023 - 04
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: MICE/B6C3F1

P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS
 beta-Myrcene
 CAS Number: 123-35-3

Date Report Requested: 04/10/2008
 Time Report Requested: 07:27:51
 First Dose M/F: 04/11/02 / 04/10/02
 Lab: BAT

**STATISTICAL ANALYSIS OF PRIMARY TUMORS IN MICE(B6C3F1)
 TERMINAL SACRIFICE AT 104 WEEKS**

DOSE	Males		
	0 G/KG	0.25 G/KG	0.5 G/KG

**Spleen
 Hemangiosarcoma**

TUMOR RATES

OVERALL (a)	1/49 (2%)	2/50 (4%)	2/48 (4%)
POLY-3 RATE (b)	1/43.32	2/44.02	2/41.86
POLY-3 PERCENT (g)	2.3%	4.5%	4.8%
TERMINAL (d)	0/34 (0%)	1/35 (3%)	1/31 (3%)
FIRST INCIDENCE	727	706	673
HC TUMORS SAME RTE	0/50 (0%)		
HC TUMORS ALL RTES	20/1087 (2%)		

STATISTICAL TESTS

POLY 3	P=0.379	P=0.506	P=0.488
POLY 1.5	P=0.380	P=0.506	P=0.490
POLY 6	P=0.377	P=0.507	P=0.487
COCH-ARM / FISHERS	P=0.382	P=0.508	P=0.492
MAX-ISO-POLY-3	P=0.391	P=0.286	P=0.272
HISTCONT SAME RTE	P=0.159	P=0.135	P=0.140
HISTCONT ALL RTES	P=0.080	P=0.180	P=0.164

TDMS No. 99023 - 04
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: MICE/B6C3F1

P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS
 beta-Myrcene
 CAS Number: 123-35-3

Date Report Requested: 04/10/2008
 Time Report Requested: 07:27:51
 First Dose M/F: 04/11/02 / 04/10/02
 Lab: BAT

**STATISTICAL ANALYSIS OF PRIMARY TUMORS IN MICE(B6C3F1)
 TERMINAL SACRIFICE AT 104 WEEKS**

	Males		
DOSE	0 G/KG	0.25 G/KG	0.5 G/KG

**Stomach, Forestomach
 Squamous Cell Carcinoma or Papilloma Squamous**

TUMOR RATES	#	#	#
OVERALL (a)	0/50 (0%)	2/50 (4%)	2/50 (4%)
POLY-3 RATE (b)	0/43.87	2/43.93	2/44.1
POLY-3 PERCENT (g)	0%	4.6%	4.5%
TERMINAL (d)	0/34 (0%)	2/35 (6%)	1/31 (3%)
FIRST INCIDENCE	---	728 (T)	525
HC TUMORS SAME RTE	0/50 (0%)		
HC TUMORS ALL RTES	13/1099 (1%)		

STATISTICAL TESTS

POLY 3	P=0.178	P=0.237	P=0.238
POLY 1.5	P=0.177	P=0.237	P=0.238
POLY 6	P=0.178	P=0.239	P=0.239
COCH-ARM / FISHERS	P=0.176	P=0.247	P=0.247
MAX-ISO-POLY-3	P=0.149	P=0.076	P=0.077
HISTCONT SAME RTE	P=0.235	P=0.131	P=0.132
HISTCONT ALL RTES	P=0.031*	P=0.087	P=0.088

TDMS No. 99023 - 04
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: MICE/B6C3F1

P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS
 beta-Myrcene
 CAS Number: 123-35-3

Date Report Requested: 04/10/2008
 Time Report Requested: 07:27:51
 First Dose M/F: 04/11/02 / 04/10/02
 Lab: BAT

**STATISTICAL ANALYSIS OF PRIMARY TUMORS IN MICE(B6C3F1)
 TERMINAL SACRIFICE AT 104 WEEKS**

	Males		
DOSE	0 G/KG	0.25 G/KG	0.5 G/KG

**Stomach, Forestomach
 Squamous Cell Papilloma**

TUMOR RATES	#	#	#
OVERALL (a)	0/50 (0%)	2/50 (4%)	1/50 (2%)
POLY-3 RATE (b)	0/43.87	2/43.93	1/44.1
POLY-3 PERCENT (g)	0%	4.6%	2.3%
TERMINAL (d)	0/34 (0%)	2/35 (6%)	0/31 (0%)
FIRST INCIDENCE	---	728 (T)	525
HC TUMORS SAME RTE	0/50 (0%)		
HC TUMORS ALL RTES	11/1099 (1%)		

STATISTICAL TESTS

POLY 3	P=0.363	P=0.237	P=0.501
POLY 1.5	P=0.362	P=0.237	P=0.501
POLY 6	P=0.365	P=0.239	P=0.502
COCH-ARM / FISHERS	P=0.360	P=0.247	P=0.500
MAX-ISO-POLY-3	P=0.199	P=0.076	P=0.160
HISTCONT SAME RTE	P=0.304	P=0.131	P=0.206
HISTCONT ALL RTES	P=0.214	P=0.087	P=0.191

TDMS No. 99023 - 04
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: MICE/B6C3F1

P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS
 beta-Myrcene
 CAS Number: 123-35-3

Date Report Requested: 04/10/2008
 Time Report Requested: 07:27:51
 First Dose M/F: 04/11/02 / 04/10/02
 Lab: BAT

**STATISTICAL ANALYSIS OF PRIMARY TUMORS IN MICE(B6C3F1)
 TERMINAL SACRIFICE AT 104 WEEKS**

DOSE	Males		
	0 G/KG	0.25 G/KG	0.5 G/KG

**Thyroid Gland: Follicular Cell
 Carcinoma or Adenoma**

TUMOR RATES

OVERALL (a)	1/50 (2%)	1/50 (2%)	2/50 (4%)
POLY-3 RATE (b)	1/44.41	1/44.27	2/43.51
POLY-3 PERCENT (g)	2.3%	2.3%	4.6%
TERMINAL (d)	0/34 (0%)	0/35 (0%)	1/31 (3%)
FIRST INCIDENCE	560	634	721
HC TUMORS SAME RTE	1/50 (2%)		
HC TUMORS ALL RTES	21/1092 (2%)		

STATISTICAL TESTS

POLY 3	P=0.374	P=0.760	P=0.493
POLY 1.5	P=0.376	P=0.760	P=0.496
POLY 6	P=0.372	P=0.760N	P=0.490
COCH-ARM / FISHERS	P=0.378	P=0.753N	P=0.500
MAX-ISO-POLY-3	P=0.368	P=0.498	P=0.276
HISTCONT SAME RTE	P=0.189	P=0.290	P=0.211
HISTCONT ALL RTES	P=0.395	P=0.607	P=0.300

TDMS No. 99023 - 04
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: MICE/B6C3F1

P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS
 beta-Myrcene
 CAS Number: 123-35-3

Date Report Requested: 04/10/2008
 Time Report Requested: 07:27:51
 First Dose M/F: 04/11/02 / 04/10/02
 Lab: BAT

**STATISTICAL ANALYSIS OF PRIMARY TUMORS IN MICE(B6C3F1)
 TERMINAL SACRIFICE AT 104 WEEKS**

DOSE	Males		
	0 G/KG	0.25 G/KG	0.5 G/KG

**All Organs
 Hemangioma**

TUMOR RATES	#	#	#
OVERALL (a)	0/50 (0%)	0/50 (0%)	0/50 (0%)
POLY-3 RATE (b)	0/43.87	0/43.93	0/43.48
POLY-3 PERCENT (g)	0%	0%	0%
TERMINAL (d)	0/34 (0%)	0/35 (0%)	0/31 (0%)
FIRST INCIDENCE	---	---	---
HC TUMORS SAME RTE	0/50 (0%)		
HC TUMORS ALL RTES	9/1099 (1%)		

STATISTICAL TESTS

POLY 3	(e)	(e)	(e)
POLY 1.5	(e)	(e)	(e)
POLY 6	(e)	(e)	(e)
COCH-ARM / FISHERS	(e)	(e)	(e)
MAX-ISO-POLY-3	(e)	(e)	(e)
HISTCONT SAME RTE	(e)	(e)	(e)
HISTCONT ALL RTES	(e)	(e)	(e)

TDMS No. 99023 - 04
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: MICE/B6C3F1

P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS
 beta-Myrcene
 CAS Number: 123-35-3

Date Report Requested: 04/10/2008
 Time Report Requested: 07:27:51
 First Dose M/F: 04/11/02 / 04/10/02
 Lab: BAT

**STATISTICAL ANALYSIS OF PRIMARY TUMORS IN MICE(B6C3F1)
 TERMINAL SACRIFICE AT 104 WEEKS**

DOSE	Males		
	0 G/KG	0.25 G/KG	0.5 G/KG

**All Organs
 Hemangiosarcoma**

TUMOR RATES	#	#	#
OVERALL (a)	7/50 (14%)	3/50 (6%)	4/50 (8%)
POLY-3 RATE (b)	7/44.56	3/44.02	4/43.69
POLY-3 PERCENT (g)	15.7%	6.8%	9.2%
TERMINAL (d)	4/34 (12%)	2/35 (6%)	3/31 (10%)
FIRST INCIDENCE	621	706	673
HC TUMORS SAME RTE	3/50 (6%)		
HC TUMORS ALL RTES	60/1099 (6%)		

STATISTICAL TESTS

POLY 3	P=0.201N	P=0.161N	P=0.271N
POLY 1.5	P=0.199N	P=0.161N	P=0.268N
POLY 6	P=0.204N	P=0.161N	P=0.276N
COCH-ARM / FISHERS	P=0.195N	P=0.159N	P=0.262N
MAX-ISO-POLY-3	P=0.167N	P=0.094N	P=0.178N
HISTCONT SAME RTE	(h)	(h)	(h)
HISTCONT ALL RTES	(h)	(h)	(h)

TDMS No. 99023 - 04
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: MICE/B6C3F1

P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS
 beta-Myrcene
 CAS Number: 123-35-3

Date Report Requested: 04/10/2008
 Time Report Requested: 07:27:51
 First Dose M/F: 04/11/02 / 04/10/02
 Lab: BAT

**STATISTICAL ANALYSIS OF PRIMARY TUMORS IN MICE(B6C3F1)
 TERMINAL SACRIFICE AT 104 WEEKS**

DOSE	Males		
	0 G/KG	0.25 G/KG	0.5 G/KG

**All Organs
 Hemangiosarcoma or Hemangioma**

TUMOR RATES	#	#	#
OVERALL (a)	7/50 (14%)	3/50 (6%)	4/50 (8%)
POLY-3 RATE (b)	7/44.56	3/44.02	4/43.69
POLY-3 PERCENT (g)	15.7%	6.8%	9.2%
TERMINAL (d)	4/34 (12%)	2/35 (6%)	3/31 (10%)
FIRST INCIDENCE	621	706	673
HC TUMORS SAME RTE	3/50 (6%)		
HC TUMORS ALL RTES	69/1099 (6%)		

STATISTICAL TESTS

POLY 3	P=0.201N	P=0.161N	P=0.271N
POLY 1.5	P=0.199N	P=0.161N	P=0.268N
POLY 6	P=0.204N	P=0.161N	P=0.276N
COCH-ARM / FISHERS	P=0.195N	P=0.159N	P=0.262N
MAX-ISO-POLY-3	P=0.167N	P=0.094N	P=0.178N
HISTCONT SAME RTE	(h)	(h)	(h)
HISTCONT ALL RTES	(h)	(h)	(h)

TDMS No. 99023 - 04
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: MICE/B6C3F1

P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS
 beta-Myrcene
 CAS Number: 123-35-3

Date Report Requested: 04/10/2008
 Time Report Requested: 07:27:51
 First Dose M/F: 04/11/02 / 04/10/02
 Lab: BAT

**STATISTICAL ANALYSIS OF PRIMARY TUMORS IN MICE(B6C3F1)
 TERMINAL SACRIFICE AT 104 WEEKS**

DOSE	Males		
	0 G/KG	0.25 G/KG	0.5 G/KG

**All Organs
 Histiocytic Sarcoma**

TUMOR RATES	#	#	#
OVERALL (a)	0/50 (0%)	1/50 (2%)	3/50 (6%)
POLY-3 RATE (b)	0/43.87	1/43.93	3/44.92
POLY-3 PERCENT (g)	0%	2.3%	6.7%
TERMINAL (d)	0/34 (0%)	1/35 (3%)	0/31 (0%)
FIRST INCIDENCE	---	728 (T)	531
HC TUMORS SAME RTE	0/50 (0%)		
HC TUMORS ALL RTES	7/1099 (1%)		

STATISTICAL TESTS

POLY 3	P=0.062	P=0.500	P=0.123
POLY 1.5	P=0.061	P=0.500	P=0.121
POLY 6	P=0.064	P=0.502	P=0.125
COCH-ARM / FISHERS	P=0.060	P=0.500	P=0.121
MAX-ISO-POLY-3	P=0.044*	P=0.159	P=0.041*
HISTCONT SAME RTE	P=0.076	P=0.207	P=0.073
HISTCONT ALL RTES	P<0.001**	P=0.179	P=0.004**

TDMS No. 99023 - 04
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: MICE/B6C3F1

P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS
 beta-Myrcene
 CAS Number: 123-35-3

Date Report Requested: 04/10/2008
 Time Report Requested: 07:27:51
 First Dose M/F: 04/11/02 / 04/10/02
 Lab: BAT

**STATISTICAL ANALYSIS OF PRIMARY TUMORS IN MICE(B6C3F1)
 TERMINAL SACRIFICE AT 104 WEEKS**

DOSE	Males		
	0 G/KG	0.25 G/KG	0.5 G/KG

**All Organs
 Malignant Lymphoma: Histiocytic, Lymphocytic, Mixed, NOS, or Undifferentiated Cell Type**

TUMOR RATES	#	#	#
OVERALL (a)	1/50 (2%)	1/50 (2%)	0/50 (0%)
POLY-3 RATE (b)	1/44.25	1/43.93	0/43.48
POLY-3 PERCENT (g)	2.3%	2.3%	0%
TERMINAL (d)	0/34 (0%)	1/35 (3%)	0/31 (0%)
FIRST INCIDENCE	621	728 (T)	---
HC TUMORS SAME RTE	0/50 (0%)		
HC TUMORS ALL RTES	33/1099 (3%)		

STATISTICAL TESTS

POLY 3	P=0.338N	P=0.759	P=0.504N
POLY 1.5	P=0.336N	P=0.759	P=0.502N
POLY 6	P=0.341N	P=0.760	P=0.505N
COCH-ARM / FISHERS	P=0.331N	P=0.753N	P=0.500N
MAX-ISO-POLY-3	P=0.273N	P=0.497	P=0.163N
HISTCONT SAME RTE	(h)	(h)	(h)
HISTCONT ALL RTES	(h)	(h)	(h)

TDMS No. 99023 - 04
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: MICE/B6C3F1

P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS
 beta-Myrcene
 CAS Number: 123-35-3

Date Report Requested: 04/10/2008
 Time Report Requested: 07:27:51
 First Dose M/F: 04/11/02 / 04/10/02
 Lab: BAT

**STATISTICAL ANALYSIS OF PRIMARY TUMORS IN MICE(B6C3F1)
 TERMINAL SACRIFICE AT 104 WEEKS**

DOSE	Males		
	0 G/KG	0.25 G/KG	0.5 G/KG
All Organs			
Benign Tumors			
TUMOR RATES	#	#	#
OVERALL (a)	33/50 (66%)	45/50 (90%)	44/50 (88%)
POLY-3 RATE (b)	33/45.46	45/48.26	44/48.18
POLY-3 PERCENT (g)	72.6%	93.3%	91.3%
TERMINAL (d)	28/34 (82%)	34/35 (97%)	30/31 (97%)
FIRST INCIDENCE	468	503	525
HC TUMORS SAME RTE	33/50 (66%)		
HC TUMORS ALL RTES	720/1099 (66%)		

STATISTICAL TESTS

POLY 3	P=0.003**	P=0.003**	P=0.009**
POLY 1.5	P=0.003**	P=0.003**	P=0.007**
POLY 6	P=0.006**	P=0.006**	P=0.015*
COCH-ARM / FISHERS	P=0.004**	P=0.004**	P=0.008**
MAX-ISO-POLY-3	P<0.001**	P=0.002**	P=0.005**
HISTCONT SAME RTE	P=0.003**	P=0.003**	P=0.009**
HISTCONT ALL RTES	P=0.002**	P=0.002**	P=0.005**

TDMS No. 99023 - 04
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: MICE/B6C3F1

P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS
 beta-Myrcene
 CAS Number: 123-35-3

Date Report Requested: 04/10/2008
 Time Report Requested: 07:27:51
 First Dose M/F: 04/11/02 / 04/10/02
 Lab: BAT

**STATISTICAL ANALYSIS OF PRIMARY TUMORS IN MICE(B6C3F1)
 TERMINAL SACRIFICE AT 104 WEEKS**

DOSE	Males		
	0 G/KG	0.25 G/KG	0.5 G/KG
All Organs			
Malignant Tumors			
TUMOR RATES	#	#	#
OVERALL (a)	30/50 (60%)	33/50 (66%)	41/50 (82%)
POLY-3 RATE (b)	30/48.37	33/47.99	41/49.77
POLY-3 PERCENT (g)	62%	68.8%	82.4%
TERMINAL (d)	18/34 (53%)	23/35 (66%)	23/31 (74%)
FIRST INCIDENCE	468	436	450
HC TUMORS SAME RTE	20/50 (40%)		
HC TUMORS ALL RTES	552/1099 (50%)		

STATISTICAL TESTS

POLY 3	P=0.015*	P=0.313	P=0.018*
POLY 1.5	P=0.012*	P=0.322	P=0.015*
POLY 6	P=0.018*	P=0.307	P=0.023*
COCH-ARM / FISHERS	P=0.011*	P=0.339	P=0.013*
MAX-ISO-POLY-3	P=0.015*	P=0.243	P=0.011*
HISTCONT SAME RTE	P=0.027*	P=0.143	P=0.020*
HISTCONT ALL RTES	P=0.002**	P=0.131	P=0.011*

TDMS No. 99023 - 04
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: MICE/B6C3F1

P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS
 beta-Myrcene
 CAS Number: 123-35-3

Date Report Requested: 04/10/2008
 Time Report Requested: 07:27:51
 First Dose M/F: 04/11/02 / 04/10/02
 Lab: BAT

**STATISTICAL ANALYSIS OF PRIMARY TUMORS IN MICE(B6C3F1)
 TERMINAL SACRIFICE AT 104 WEEKS**

DOSE	Males		
	0 G/KG	0.25 G/KG	0.5 G/KG

**All Organs
 Malignant and Benign Tumors**

TUMOR RATES	#	#	#
OVERALL (a)	43/50 (86%)	49/50 (98%)	50/50 (100%)
POLY-3 RATE (b)	43/48.58	49/50	50/50
POLY-3 PERCENT (g)	88.5%	98%	100%
TERMINAL (d)	30/34 (88%)	34/35 (97%)	31/31 (100%)
FIRST INCIDENCE	468	436	450
HC TUMORS SAME RTE	43/50 (86%)		
HC TUMORS ALL RTES	933/1099 (85%)		

STATISTICAL TESTS

POLY 3	P=0.003**	P=0.057	P=0.013*
POLY 1.5	P=0.002**	P=0.042*	P=0.010**
POLY 6	P=0.007**	P=0.090	P=0.023*
COCH-ARM / FISHERS	P=0.002**	P=0.030*	P=0.006**
MAX-ISO-POLY-3	P=0.002**	P=0.024*	P=0.004**
HISTCONT SAME RTE	P=0.004**	P=0.043*	P=0.007**
HISTCONT ALL RTES	P=0.002**	P=0.024*	P=0.004**

TDMS No. 99023 - 04
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: MICE/B6C3F1

P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS
 beta-Myrcene
 CAS Number: 123-35-3

Date Report Requested: 04/10/2008
 Time Report Requested: 07:27:51
 First Dose M/F: 04/11/02 / 04/10/02
 Lab: BAT

**STATISTICAL ANALYSIS OF PRIMARY TUMORS IN MICE(B6C3F1)
 TERMINAL SACRIFICE AT 104 WEEKS**

DOSE	Females		
	0 G/KG	0.25 G/KG	0.5 G/KG

**Adrenal Cortex
 Adenoma**

TUMOR RATES

OVERALL (a)	1/50 (2%)	0/50 (0%)	0/50 (0%)
POLY-3 RATE (b)	1/46.34	0/43.49	0/41.1
POLY-3 PERCENT (g)	2.2%	0%	0%
TERMINAL (d)	1/39 (3%)	0/34 (0%)	0/35 (0%)
FIRST INCIDENCE	727 (T)	---	---
HC TUMORS SAME RTE	0/48 (0%)		
HC TUMORS ALL RTES	4/1194 (0%)		

STATISTICAL TESTS

POLY 3	P=0.291N	P=0.513N	P=0.524N
POLY 1.5	P=0.284N	P=0.509N	P=0.516N
POLY 6	P=0.297N	P=0.516N	P=0.530N
COCH-ARM / FISHERS	P=0.269N	P=0.500N	P=0.500N
MAX-ISO-POLY-3	P=0.192N	P=0.174N	P=0.188N
HISTCONT SAME RTE	(h)	(h)	(h)
HISTCONT ALL RTES	(h)	(h)	(h)

TDMS No. 99023 - 04
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: MICE/B6C3F1

P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS
 beta-Myrcene
 CAS Number: 123-35-3

Date Report Requested: 04/10/2008
 Time Report Requested: 07:27:51
 First Dose M/F: 04/11/02 / 04/10/02
 Lab: BAT

**STATISTICAL ANALYSIS OF PRIMARY TUMORS IN MICE(B6C3F1)
 TERMINAL SACRIFICE AT 104 WEEKS**

DOSE	Females		
	0 G/KG	0.25 G/KG	0.5 G/KG
Harderian Gland Adenoma			
TUMOR RATES	#	#	#
OVERALL (a)	4/50 (8%)	7/50 (14%)	5/50 (10%)
POLY-3 RATE (b)	4/46.43	7/43.95	5/41.1
POLY-3 PERCENT (g)	8.6%	15.9%	12.2%
TERMINAL (d)	3/39 (8%)	6/34 (18%)	5/35 (14%)
FIRST INCIDENCE	706	594	727 (T)
HC TUMORS SAME RTE	3/49 (6%)		
HC TUMORS ALL RTES	124/1199 (10%)		

STATISTICAL TESTS

POLY 3	P=0.346	P=0.230	P=0.424
POLY 1.5	P=0.375	P=0.238	P=0.449
POLY 6	P=0.323	P=0.224	P=0.405
COCH-ARM / FISHERS	P=0.436	P=0.262	P=0.500
MAX-ISO-POLY-3	P=0.322	P=0.150	P=0.305
HISTCONT SAME RTE	P=0.263	P=0.173	P=0.156
HISTCONT ALL RTES	P=0.383	P=0.179	P=0.383

TDMS No. 99023 - 04
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: MICE/B6C3F1

P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS
 beta-Myrcene
 CAS Number: 123-35-3

Date Report Requested: 04/10/2008
 Time Report Requested: 07:27:51
 First Dose M/F: 04/11/02 / 04/10/02
 Lab: BAT

**STATISTICAL ANALYSIS OF PRIMARY TUMORS IN MICE(B6C3F1)
 TERMINAL SACRIFICE AT 104 WEEKS**

	Females		
DOSE	0 G/KG	0.25 G/KG	0.5 G/KG

**Harderian Gland
 Carcinoma**

TUMOR RATES	#	#	#
OVERALL (a)	0/50 (0%)	0/50 (0%)	1/50 (2%)
POLY-3 RATE (b)	0/46.34	0/43.49	1/41.1
POLY-3 PERCENT (g)	0%	0%	2.4%
TERMINAL (d)	0/39 (0%)	0/34 (0%)	1/35 (3%)
FIRST INCIDENCE	---	---	727 (T)
HC TUMORS SAME RTE	1/49 (2%)		
HC TUMORS ALL RTES	33/1199 (3%)		

STATISTICAL TESTS

POLY 3	P=0.274	(e)	P=0.476
POLY 1.5	P=0.273	(e)	P=0.484
POLY 6	P=0.275	(e)	P=0.470
COCH-ARM / FISHERS	P=0.269	(e)	P=0.500
MAX-ISO-POLY-3	P=0.151	(e)	P=0.158
HISTCONT SAME RTE	(e)	(e)	(e)
HISTCONT ALL RTES	(e)	(e)	(e)

TDMS No. 99023 - 04
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: MICE/B6C3F1

P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS
 beta-Myrcene
 CAS Number: 123-35-3

Date Report Requested: 04/10/2008
 Time Report Requested: 07:27:51
 First Dose M/F: 04/11/02 / 04/10/02
 Lab: BAT

**STATISTICAL ANALYSIS OF PRIMARY TUMORS IN MICE(B6C3F1)
 TERMINAL SACRIFICE AT 104 WEEKS**

DOSE	Females		
	0 G/KG	0.25 G/KG	0.5 G/KG

**Harderian Gland
 Carcinoma or Adenoma**

TUMOR RATES	#	#	#
OVERALL (a)	4/50 (8%)	7/50 (14%)	6/50 (12%)
POLY-3 RATE (b)	4/46.43	7/43.95	6/41.1
POLY-3 PERCENT (g)	8.6%	15.9%	14.6%
TERMINAL (d)	3/39 (8%)	6/34 (18%)	6/35 (17%)
FIRST INCIDENCE	706	594	727 (T)
HC TUMORS SAME RTE	4/49 (8%)		
HC TUMORS ALL RTES	156/1199 (13%)		

STATISTICAL TESTS

POLY 3	P=0.239	P=0.230	P=0.295
POLY 1.5	P=0.264	P=0.238	P=0.320
POLY 6	P=0.220	P=0.224	P=0.277
COCH-ARM / FISHERS	P=0.318	P=0.262	P=0.370
MAX-ISO-POLY-3	P=0.267	P=0.150	P=0.205
HISTCONT SAME RTE	P=0.334	P=0.245	P=0.257
HISTCONT ALL RTES	P=0.315	P=0.179	P=0.249

TDMS No. 99023 - 04
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: MICE/B6C3F1

P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS
 beta-Myrcene
 CAS Number: 123-35-3

Date Report Requested: 04/10/2008
 Time Report Requested: 07:27:51
 First Dose M/F: 04/11/02 / 04/10/02
 Lab: BAT

**STATISTICAL ANALYSIS OF PRIMARY TUMORS IN MICE(B6C3F1)
 TERMINAL SACRIFICE AT 104 WEEKS**

	Females		
DOSE	0 G/KG	0.25 G/KG	0.5 G/KG

**Intestine Small: Site Unspecified
 Carcinoma or Adenoma**

TUMOR RATES	#	#	#
OVERALL (a)	1/50 (2%)	0/50 (0%)	0/50 (0%)
POLY-3 RATE (b)	1/46.37	0/43.49	0/41.1
POLY-3 PERCENT (g)	2.2%	0%	0%
TERMINAL (d)	0/39 (0%)	0/34 (0%)	0/35 (0%)
FIRST INCIDENCE	721	---	---
HC TUMORS SAME RTE	0/49 (0%)		
HC TUMORS ALL RTES	8/1199 (1%)		

STATISTICAL TESTS

POLY 3	P=0.291N	P=0.513N	P=0.524N
POLY 1.5	P=0.284N	P=0.509N	P=0.516N
POLY 6	P=0.297N	P=0.516N	P=0.530N
COCH-ARM / FISHERS	P=0.269N	P=0.500N	P=0.500N
MAX-ISO-POLY-3	P=0.192N	P=0.174N	P=0.188N
HISTCONT SAME RTE	(h)	(h)	(h)
HISTCONT ALL RTES	(h)	(h)	(h)

TDMS No. 99023 - 04
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: MICE/B6C3F1

P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS
 beta-Myrcene
 CAS Number: 123-35-3

Date Report Requested: 04/10/2008
 Time Report Requested: 07:27:51
 First Dose M/F: 04/11/02 / 04/10/02
 Lab: BAT

**STATISTICAL ANALYSIS OF PRIMARY TUMORS IN MICE(B6C3F1)
 TERMINAL SACRIFICE AT 104 WEEKS**

DOSE	Females		
	0 G/KG	0.25 G/KG	0.5 G/KG

Liver
 Hemangiosarcoma

TUMOR RATES

OVERALL (a)	0/50 (0%)	0/50 (0%)	1/50 (2%)
POLY-3 RATE (b)	0/46.34	0/43.49	1/41.1
POLY-3 PERCENT (g)	0%	0%	2.4%
TERMINAL (d)	0/39 (0%)	0/34 (0%)	1/35 (3%)
FIRST INCIDENCE	---	---	727 (T)
HC TUMORS SAME RTE	0/49 (0%)		
HC TUMORS ALL RTES	11/1195 (1%)		

STATISTICAL TESTS

POLY 3	P=0.274	(e)	P=0.476
POLY 1.5	P=0.273	(e)	P=0.484
POLY 6	P=0.275	(e)	P=0.470
COCH-ARM / FISHERS	P=0.269	(e)	P=0.500
MAX-ISO-POLY-3	P=0.151	(e)	P=0.158
HISTCONT SAME RTE	(e)	(e)	(e)
HISTCONT ALL RTES	(e)	(e)	(e)

TDMS No. 99023 - 04
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: MICE/B6C3F1

P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS
 beta-Myrcene
 CAS Number: 123-35-3

Date Report Requested: 04/10/2008
 Time Report Requested: 07:27:51
 First Dose M/F: 04/11/02 / 04/10/02
 Lab: BAT

**STATISTICAL ANALYSIS OF PRIMARY TUMORS IN MICE(B6C3F1)
 TERMINAL SACRIFICE AT 104 WEEKS**

DOSE	Females		
	0 G/KG	0.25 G/KG	0.5 G/KG

Liver
 Hepatoblastoma

TUMOR RATES

OVERALL (a)	0/50 (0%)	0/50 (0%)	0/50 (0%)
POLY-3 RATE (b)	0/46.34	0/43.49	0/41.1
POLY-3 PERCENT (g)	0%	0%	0%
TERMINAL (d)	0/39 (0%)	0/34 (0%)	0/35 (0%)
FIRST INCIDENCE	---	---	---
HC TUMORS SAME RTE	0/49 (0%)		
HC TUMORS ALL RTES	6/1195 (1%)		

STATISTICAL TESTS

POLY 3	(e)	(e)	(e)
POLY 1.5	(e)	(e)	(e)
POLY 6	(e)	(e)	(e)
COCH-ARM / FISHERS	(e)	(e)	(e)
MAX-ISO-POLY-3	(e)	(e)	(e)
HISTCONT SAME RTE	(e)	(e)	(e)
HISTCONT ALL RTES	(e)	(e)	(e)

TDMS No. 99023 - 04
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: MICE/B6C3F1

P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS
 beta-Myrcene
 CAS Number: 123-35-3

Date Report Requested: 04/10/2008
 Time Report Requested: 07:27:51
 First Dose M/F: 04/11/02 / 04/10/02
 Lab: BAT

**STATISTICAL ANALYSIS OF PRIMARY TUMORS IN MICE(B6C3F1)
 TERMINAL SACRIFICE AT 104 WEEKS**

DOSE	Females		
	0 G/KG	0.25 G/KG	0.5 G/KG

Liver
 Hepatocellular Adenoma

TUMOR RATES

OVERALL (a)	6/50 (12%)	13/50 (26%)	6/50 (12%)
POLY-3 RATE (b)	6/46.34	13/43.57	6/41.1
POLY-3 PERCENT (g)	13%	29.8%	14.6%
TERMINAL (d)	6/39 (15%)	12/34 (35%)	6/35 (17%)
FIRST INCIDENCE	727 (T)	709	727 (T)
HC TUMORS SAME RTE	11/49 (22%)		
HC TUMORS ALL RTES	339/1195 (28%)		

STATISTICAL TESTS

POLY 3	P=0.418	P=0.042*	P=0.534
POLY 1.5	P=0.463	P=0.047*	P=0.563
POLY 6	P=0.384	P=0.038*	P=0.512
COCH-ARM / FISHERS	P=0.553	P=0.062	P=0.620N
MAX-ISO-POLY-3	P=0.196	P=0.027*	P=0.415
HISTCONT SAME RTE	P=0.300	P=0.048*	P=0.582
HISTCONT ALL RTES	P=0.226	P=0.027*	P=0.527

TDMS No. 99023 - 04
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: MICE/B6C3F1

P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS
 beta-Myrcene
 CAS Number: 123-35-3

Date Report Requested: 04/10/2008
 Time Report Requested: 07:27:51
 First Dose M/F: 04/11/02 / 04/10/02
 Lab: BAT

**STATISTICAL ANALYSIS OF PRIMARY TUMORS IN MICE(B6C3F1)
 TERMINAL SACRIFICE AT 104 WEEKS**

DOSE	Females		
	0 G/KG	0.25 G/KG	0.5 G/KG

**Liver
 Hepatocellular Carcinoma**

TUMOR RATES

OVERALL (a)	1/50 (2%)	7/50 (14%)	2/50 (4%)
POLY-3 RATE (b)	1/46.34	7/43.95	2/41.41
POLY-3 PERCENT (g)	2.2%	15.9%	4.8%
TERMINAL (d)	1/39 (3%)	5/34 (15%)	1/35 (3%)
FIRST INCIDENCE	727 (T)	608	640
HC TUMORS SAME RTE	3/49 (6%)		
HC TUMORS ALL RTES	130/1195 (11%)		

STATISTICAL TESTS

POLY 3	P=0.334	P=0.025*	P=0.461
POLY 1.5	P=0.360	P=0.026*	P=0.473
POLY 6	P=0.316	P=0.024*	P=0.453
COCH-ARM / FISHERS	P=0.421	P=0.030*	P=0.500
MAX-ISO-POLY-3	P=0.105	P=0.011*	P=0.259
HISTCONT SAME RTE	P=0.172	P=0.021*	P=0.394
HISTCONT ALL RTES	P=0.119	P=0.011*	P=0.322

TDMS No. 99023 - 04
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: MICE/B6C3F1

P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS
 beta-Myrcene
 CAS Number: 123-35-3

Date Report Requested: 04/10/2008
 Time Report Requested: 07:27:51
 First Dose M/F: 04/11/02 / 04/10/02
 Lab: BAT

**STATISTICAL ANALYSIS OF PRIMARY TUMORS IN MICE(B6C3F1)
 TERMINAL SACRIFICE AT 104 WEEKS**

DOSE	Females		
	0 G/KG	0.25 G/KG	0.5 G/KG

**Liver
 Hepatocellular Carcinoma or Hepatoblastoma**

TUMOR RATES

OVERALL (a)	1/50 (2%)	7/50 (14%)	2/50 (4%)
POLY-3 RATE (b)	1/46.34	7/43.95	2/41.41
POLY-3 PERCENT (g)	2.2%	15.9%	4.8%
TERMINAL (d)	1/39 (3%)	5/34 (15%)	1/35 (3%)
FIRST INCIDENCE	727 (T)	608	640
HC TUMORS SAME RTE	3/49 (6%)		
HC TUMORS ALL RTES	135/1195 (11%)		

STATISTICAL TESTS

POLY 3	P=0.334	P=0.025*	P=0.461
POLY 1.5	P=0.360	P=0.026*	P=0.473
POLY 6	P=0.316	P=0.024*	P=0.453
COCH-ARM / FISHERS	P=0.421	P=0.030*	P=0.500
MAX-ISO-POLY-3	P=0.105	P=0.011*	P=0.259
HISTCONT SAME RTE	P=0.172	P=0.021*	P=0.394
HISTCONT ALL RTES	P=0.119	P=0.011*	P=0.322

TDMS No. 99023 - 04
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: MICE/B6C3F1

P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS
 beta-Myrcene
 CAS Number: 123-35-3

Date Report Requested: 04/10/2008
 Time Report Requested: 07:27:51
 First Dose M/F: 04/11/02 / 04/10/02
 Lab: BAT

**STATISTICAL ANALYSIS OF PRIMARY TUMORS IN MICE(B6C3F1)
 TERMINAL SACRIFICE AT 104 WEEKS**

DOSE	Females		
	0 G/KG	0.25 G/KG	0.5 G/KG

**Liver
 Hepatocellular Carcinoma or Hepatocellular Adenoma**

TUMOR RATES

OVERALL (a)	7/50 (14%)	18/50 (36%)	8/50 (16%)
POLY-3 RATE (b)	7/46.34	18/44.02	8/41.41
POLY-3 PERCENT (g)	15.1%	40.9%	19.3%
TERMINAL (d)	7/39 (18%)	15/34 (44%)	7/35 (20%)
FIRST INCIDENCE	727 (T)	608	640
HC TUMORS SAME RTE	13/49 (27%)		
HC TUMORS ALL RTES	412/1195 (35%)		

STATISTICAL TESTS

POLY 3	P=0.297	P=0.005**	P=0.406
POLY 1.5	P=0.345	P=0.006**	P=0.436
POLY 6	P=0.267	P=0.004**	P=0.386
COCH-ARM / FISHERS	P=0.452	P=0.010**	P=0.500
MAX-ISO-POLY-3	P=0.071	P=0.003**	P=0.311
HISTCONT SAME RTE	P=0.120	P=0.005**	P=0.458
HISTCONT ALL RTES	P=0.080	P=0.003**	P=0.391

TDMS No. 99023 - 04
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: MICE/B6C3F1

P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS
 beta-Myrcene
 CAS Number: 123-35-3

Date Report Requested: 04/10/2008
 Time Report Requested: 07:27:51
 First Dose M/F: 04/11/02 / 04/10/02
 Lab: BAT

**STATISTICAL ANALYSIS OF PRIMARY TUMORS IN MICE(B6C3F1)
 TERMINAL SACRIFICE AT 104 WEEKS**

DOSE	Females		
	0 G/KG	0.25 G/KG	0.5 G/KG

Liver
 Hepatocellular Carcinoma, Hepatocellular Adenoma, or Hepatoblastoma

TUMOR RATES

OVERALL (a)	7/50 (14%)	18/50 (36%)	8/50 (16%)
POLY-3 RATE (b)	7/46.34	18/44.02	8/41.41
POLY-3 PERCENT (g)	15.1%	40.9%	19.3%
TERMINAL (d)	7/39 (18%)	15/34 (44%)	7/35 (20%)
FIRST INCIDENCE	727 (T)	608	640
HC TUMORS SAME RTE	13/49 (27%)		
HC TUMORS ALL RTES	414/1195 (35%)		

STATISTICAL TESTS

POLY 3	P=0.297	P=0.005**	P=0.406
POLY 1.5	P=0.345	P=0.006**	P=0.436
POLY 6	P=0.267	P=0.004**	P=0.386
COCH-ARM / FISHERS	P=0.452	P=0.010**	P=0.500
MAX-ISO-POLY-3	P=0.071	P=0.003**	P=0.311
HISTCONT SAME RTE	P=0.120	P=0.005**	P=0.458
HISTCONT ALL RTES	P=0.080	P=0.003**	P=0.391

TDMS No. 99023 - 04
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: MICE/B6C3F1

P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS
 beta-Myrcene
 CAS Number: 123-35-3

Date Report Requested: 04/10/2008
 Time Report Requested: 07:27:51
 First Dose M/F: 04/11/02 / 04/10/02
 Lab: BAT

**STATISTICAL ANALYSIS OF PRIMARY TUMORS IN MICE(B6C3F1)
 TERMINAL SACRIFICE AT 104 WEEKS**

DOSE	Females		
	0 G/KG	0.25 G/KG	0.5 G/KG

Liver
 Ito Cell Tumor Malignant

TUMOR RATES

OVERALL (a)	0/50 (0%)	0/50 (0%)	0/50 (0%)
POLY-3 RATE (b)	0/46.34	0/43.49	0/41.1
POLY-3 PERCENT (g)	0%	0%	0%
TERMINAL (d)	0/39 (0%)	0/34 (0%)	0/35 (0%)
FIRST INCIDENCE	---	---	---
HC TUMORS SAME RTE	0/49 (0%)		
HC TUMORS ALL RTES	0/1195 (0%)		

STATISTICAL TESTS

POLY 3	(e)	(e)	(e)
POLY 1.5	(e)	(e)	(e)
POLY 6	(e)	(e)	(e)
COCH-ARM / FISHERS	(e)	(e)	(e)
MAX-ISO-POLY-3	(e)	(e)	(e)
HISTCONT SAME RTE	(e)	(e)	(e)
HISTCONT ALL RTES	(e)	(e)	(e)

TDMS No. 99023 - 04
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: MICE/B6C3F1

P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS
 beta-Myrcene
 CAS Number: 123-35-3

Date Report Requested: 04/10/2008
 Time Report Requested: 07:27:51
 First Dose M/F: 04/11/02 / 04/10/02
 Lab: BAT

**STATISTICAL ANALYSIS OF PRIMARY TUMORS IN MICE(B6C3F1)
 TERMINAL SACRIFICE AT 104 WEEKS**

DOSE	Females		
	0 G/KG	0.25 G/KG	0.5 G/KG

**Lung
 Alveolar/Bronchiolar Adenoma**

TUMOR RATES

OVERALL (a)	4/50 (8%)	1/50 (2%)	5/50 (10%)
POLY-3 RATE (b)	4/46.93	1/43.95	5/41.66
POLY-3 PERCENT (g)	8.5%	2.3%	12%
TERMINAL (d)	3/39 (8%)	0/34 (0%)	4/35 (11%)
FIRST INCIDENCE	540	594	549
HC TUMORS SAME RTE	4/48 (8%)		
HC TUMORS ALL RTES	61/1198 (5%)		

STATISTICAL TESTS

POLY 3	P=0.384	P=0.199N	P=0.426
POLY 1.5	P=0.396	P=0.194N	P=0.450
POLY 6	P=0.376	P=0.204N	P=0.408
COCH-ARM / FISHERS	P=0.421	P=0.181N	P=0.500
MAX-ISO-POLY-3	P=0.190	P=0.103N	P=0.306
HISTCONT SAME RTE	P=0.293	P=1.000	P=0.326
HISTCONT ALL RTES	P=0.196	P=1.000	P=0.151

TDMS No. 99023 - 04
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: MICE/B6C3F1

P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS
 beta-Myrcene
 CAS Number: 123-35-3

Date Report Requested: 04/10/2008
 Time Report Requested: 07:27:51
 First Dose M/F: 04/11/02 / 04/10/02
 Lab: BAT

**STATISTICAL ANALYSIS OF PRIMARY TUMORS IN MICE(B6C3F1)
 TERMINAL SACRIFICE AT 104 WEEKS**

DOSE	Females		
	0 G/KG	0.25 G/KG	0.5 G/KG

**Lung
 Alveolar/Bronchiolar Carcinoma**

TUMOR RATES

OVERALL (a)	2/50 (4%)	1/50 (2%)	1/50 (2%)
POLY-3 RATE (b)	2/46.34	1/43.57	1/41.1
POLY-3 PERCENT (g)	4.3%	2.3%	2.4%
TERMINAL (d)	2/39 (5%)	0/34 (0%)	1/35 (3%)
FIRST INCIDENCE	727 (T)	709	727 (T)
HC TUMORS SAME RTE	0/48 (0%)		
HC TUMORS ALL RTES	45/1198 (4%)		

STATISTICAL TESTS

POLY 3	P=0.420N	P=0.522N	P=0.542N
POLY 1.5	P=0.406N	P=0.516N	P=0.528N
POLY 6	P=0.430N	P=0.526N	P=0.552N
COCH-ARM / FISHERS	P=0.378N	P=0.500N	P=0.500N
MAX-ISO-POLY-3	P=0.429N	P=0.304N	P=0.326N
HISTCONT SAME RTE	(h)	(h)	(h)
HISTCONT ALL RTES	(h)	(h)	(h)

TDMS No. 99023 - 04
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: MICE/B6C3F1

P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS
 beta-Myrcene
 CAS Number: 123-35-3

Date Report Requested: 04/10/2008
 Time Report Requested: 07:27:51
 First Dose M/F: 04/11/02 / 04/10/02
 Lab: BAT

**STATISTICAL ANALYSIS OF PRIMARY TUMORS IN MICE(B6C3F1)
 TERMINAL SACRIFICE AT 104 WEEKS**

DOSE	Females		
	0 G/KG	0.25 G/KG	0.5 G/KG

**Lung
 Alveolar/Bronchiolar Carcinoma or Alveolar/Bronchiolar Adenoma**

TUMOR RATES

OVERALL (a)	6/50 (12%)	2/50 (4%)	6/50 (12%)
POLY-3 RATE (b)	6/46.93	2/44.02	6/41.66
POLY-3 PERCENT (g)	12.8%	4.5%	14.4%
TERMINAL (d)	5/39 (13%)	0/34 (0%)	5/35 (14%)
FIRST INCIDENCE	540	594	549
HC TUMORS SAME RTE	4/48 (8%)		
HC TUMORS ALL RTES	101/1198 (8%)		

STATISTICAL TESTS

POLY 3	P=0.518	P=0.155N	P=0.535
POLY 1.5	P=0.534	P=0.149N	P=0.563
POLY 6	P=0.506	P=0.159N	P=0.514
COCH-ARM / FISHERS	P=0.568	P=0.134N	P=0.620N
MAX-ISO-POLY-3	P=0.292	P=0.089N	P=0.416
HISTCONT SAME RTE	P=0.279	P=1.000	P=0.150
HISTCONT ALL RTES	P=0.345	P=1.000	P=0.269

TDMS No. 99023 - 04
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: MICE/B6C3F1

P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS
 beta-Myrcene
 CAS Number: 123-35-3

Date Report Requested: 04/10/2008
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 First Dose M/F: 04/11/02 / 04/10/02
 Lab: BAT

**STATISTICAL ANALYSIS OF PRIMARY TUMORS IN MICE(B6C3F1)
 TERMINAL SACRIFICE AT 104 WEEKS**

DOSE	Females		
	0 G/KG	0.25 G/KG	0.5 G/KG

Ovary
 Cystadenoma

TUMOR RATES

OVERALL (a)	2/50 (4%)	1/50 (2%)	0/49 (0%)
POLY-3 RATE (b)	2/46.34	1/43.49	0/40.79
POLY-3 PERCENT (g)	4.3%	2.3%	0%
TERMINAL (d)	2/39 (5%)	1/34 (3%)	0/35 (0%)
FIRST INCIDENCE	727 (T)	727 (T)	---
HC TUMORS SAME RTE	3/48 (6%)		
HC TUMORS ALL RTES	44/1171 (4%)		

STATISTICAL TESTS

POLY 3	P=0.169N	P=0.522N	P=0.267N
POLY 1.5	P=0.161N	P=0.516N	P=0.259N
POLY 6	P=0.174N	P=0.527N	P=0.273N
COCH-ARM / FISHERS	P=0.145N	P=0.500N	P=0.253N
MAX-ISO-POLY-3	P=0.142N	P=0.305N	P=0.103N
HISTCONT SAME RTE	(h)	(h)	(h)
HISTCONT ALL RTES	(h)	(h)	(h)

TDMS No. 99023 - 04
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: MICE/B6C3F1

P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS
 beta-Myrcene
 CAS Number: 123-35-3

Date Report Requested: 04/10/2008
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 Lab: BAT

**STATISTICAL ANALYSIS OF PRIMARY TUMORS IN MICE(B6C3F1)
 TERMINAL SACRIFICE AT 104 WEEKS**

	Females		
DOSE	0 G/KG	0.25 G/KG	0.5 G/KG

**Skin
 Fibroma, Fibrosarcoma, Sarcoma, Myxoma, Myxosarcoma, or Fibrous Histiocytoma**

TUMOR RATES	#	#	#
OVERALL (a)	2/50 (4%)	4/50 (8%)	2/50 (4%)
POLY-3 RATE (b)	2/46.85	4/44.38	2/42.02
POLY-3 PERCENT (g)	4.3%	9%	4.8%
TERMINAL (d)	0/39 (0%)	0/34 (0%)	0/35 (0%)
FIRST INCIDENCE	622	594	566
HC TUMORS SAME RTE	3/49 (6%)		
HC TUMORS ALL RTES	51/1199 (4%)		

STATISTICAL TESTS

POLY 3	P=0.529	P=0.313	P=0.654
POLY 1.5	P=0.548	P=0.319	P=0.667
POLY 6	P=0.516	P=0.308	P=0.645
COCH-ARM / FISHERS	P=0.588	P=0.339	P=0.691N
MAX-ISO-POLY-3	P=0.427	P=0.188	P=0.457
HISTCONT SAME RTE	P=0.583	P=0.297	P=0.626
HISTCONT ALL RTES	P=0.516	P=0.227	P=0.579

TDMS No. 99023 - 04
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: MICE/B6C3F1

P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS
 beta-Myrcene
 CAS Number: 123-35-3

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 Lab: BAT

**STATISTICAL ANALYSIS OF PRIMARY TUMORS IN MICE(B6C3F1)
 TERMINAL SACRIFICE AT 104 WEEKS**

DOSE	Females		
	0 G/KG	0.25 G/KG	0.5 G/KG

**Skin
 Fibrosarcoma, Sarcoma, Myxosarcoma, or Fibrous Histiocytoma**

TUMOR RATES	#	#	#
OVERALL (a)	2/50 (4%)	4/50 (8%)	2/50 (4%)
POLY-3 RATE (b)	2/46.85	4/44.38	2/42.02
POLY-3 PERCENT (g)	4.3%	9%	4.8%
TERMINAL (d)	0/39 (0%)	0/34 (0%)	0/35 (0%)
FIRST INCIDENCE	622	594	566
HC TUMORS SAME RTE	3/49 (6%)		
HC TUMORS ALL RTES	51/1199 (4%)		

STATISTICAL TESTS

POLY 3	P=0.529	P=0.313	P=0.654
POLY 1.5	P=0.548	P=0.319	P=0.667
POLY 6	P=0.516	P=0.308	P=0.645
COCH-ARM / FISHERS	P=0.588	P=0.339	P=0.691N
MAX-ISO-POLY-3	P=0.427	P=0.188	P=0.457
HISTCONT SAME RTE	P=0.583	P=0.297	P=0.626
HISTCONT ALL RTES	P=0.516	P=0.227	P=0.579

TDMS No. 99023 - 04
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: MICE/B6C3F1

P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS
 beta-Myrcene
 CAS Number: 123-35-3

Date Report Requested: 04/10/2008
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 First Dose M/F: 04/11/02 / 04/10/02
 Lab: BAT

**STATISTICAL ANALYSIS OF PRIMARY TUMORS IN MICE(B6C3F1)
 TERMINAL SACRIFICE AT 104 WEEKS**

DOSE	Females		
	0 G/KG	0.25 G/KG	0.5 G/KG
Skin			
Sarcoma			
TUMOR RATES	#	#	#
OVERALL (a)	1/50 (2%)	4/50 (8%)	1/50 (2%)
POLY-3 RATE (b)	1/46.48	4/44.38	1/41.62
POLY-3 PERCENT (g)	2.2%	9%	2.4%
TERMINAL (d)	0/39 (0%)	0/34 (0%)	0/35 (0%)
FIRST INCIDENCE	693	594	566
HC TUMORS SAME RTE	3/49 (6%)		
HC TUMORS ALL RTEs	26/1199 (2%)		

STATISTICAL TESTS

POLY 3	P=0.540	P=0.165	P=0.735
POLY 1.5	P=0.560	P=0.168	P=0.744
POLY 6	P=0.526	P=0.164	P=0.730
COCH-ARM / FISHERS	P=0.601	P=0.181	P=0.753N
MAX-ISO-POLY-3	P=0.303	P=0.080	P=0.469
HISTCONT SAME RTE	P=0.439	P=0.137	P=0.638
HISTCONT ALL RTEs	P=0.360	P=0.091	P=0.594

TDMS No. 99023 - 04
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: MICE/B6C3F1

P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS
 beta-Myrcene
 CAS Number: 123-35-3

Date Report Requested: 04/10/2008
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 First Dose M/F: 04/11/02 / 04/10/02
 Lab: BAT

**STATISTICAL ANALYSIS OF PRIMARY TUMORS IN MICE(B6C3F1)
 TERMINAL SACRIFICE AT 104 WEEKS**

DOSE	Females		
	0 G/KG	0.25 G/KG	0.5 G/KG

**Spleen
 Hemangiosarcoma**

TUMOR RATES

OVERALL (a)	0/49 (0%)	0/50 (0%)	0/50 (0%)
POLY-3 RATE (b)	0/45.58	0/43.49	0/41.1
POLY-3 PERCENT (g)	0%	0%	0%
TERMINAL (d)	0/39 (0%)	0/34 (0%)	0/35 (0%)
FIRST INCIDENCE	---	---	---
HC TUMORS SAME RTE	1/48 (2%)		
HC TUMORS ALL RTES	24/1181 (2%)		

STATISTICAL TESTS

POLY 3	(e)	(e)	(e)
POLY 1.5	(e)	(e)	(e)
POLY 6	(e)	(e)	(e)
COCH-ARM / FISHERS	(e)	(e)	(e)
MAX-ISO-POLY-3	(e)	(e)	(e)
HISTCONT SAME RTE	(e)	(e)	(e)
HISTCONT ALL RTES	(e)	(e)	(e)

TDMS No. 99023 - 04
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: MICE/B6C3F1

P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS
 beta-Myrcene
 CAS Number: 123-35-3

Date Report Requested: 04/10/2008
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 First Dose M/F: 04/11/02 / 04/10/02
 Lab: BAT

**STATISTICAL ANALYSIS OF PRIMARY TUMORS IN MICE(B6C3F1)
 TERMINAL SACRIFICE AT 104 WEEKS**

	Females		
DOSE	0 G/KG	0.25 G/KG	0.5 G/KG

**Stomach, Forestomach
 Squamous Cell Carcinoma or Papilloma Squamous**

TUMOR RATES	#	#	#
OVERALL (a)	1/50 (2%)	1/50 (2%)	1/50 (2%)
POLY-3 RATE (b)	1/46.34	1/43.49	1/41.1
POLY-3 PERCENT (g)	2.2%	2.3%	2.4%
TERMINAL (d)	1/39 (3%)	1/34 (3%)	1/35 (3%)
FIRST INCIDENCE	727 (T)	727 (T)	727 (T)
HC TUMORS SAME RTE	1/49 (2%)		
HC TUMORS ALL RTES	21/1199 (2%)		

STATISTICAL TESTS

POLY 3	P=0.614	P=0.746	P=0.733
POLY 1.5	P=0.622	P=0.750	P=0.742
POLY 6	P=0.608	P=0.743	P=0.726
COCH-ARM / FISHERS	P=0.640	P=0.753N	P=0.753N
MAX-ISO-POLY-3	P=0.629	P=0.482	P=0.467
HISTCONT SAME RTE	P=0.552	P=0.651	P=0.531
HISTCONT ALL RTES	P=0.683	P=0.551	P=0.529

TDMS No. 99023 - 04
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: MICE/B6C3F1

P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS
 beta-Myrcene
 CAS Number: 123-35-3

Date Report Requested: 04/10/2008
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 First Dose M/F: 04/11/02 / 04/10/02
 Lab: BAT

**STATISTICAL ANALYSIS OF PRIMARY TUMORS IN MICE(B6C3F1)
 TERMINAL SACRIFICE AT 104 WEEKS**

DOSE	Females		
	0 G/KG	0.25 G/KG	0.5 G/KG

**Stomach, Forestomach
 Squamous Cell Papilloma**

TUMOR RATES	#	#	#
OVERALL (a)	1/50 (2%)	1/50 (2%)	1/50 (2%)
POLY-3 RATE (b)	1/46.34	1/43.49	1/41.1
POLY-3 PERCENT (g)	2.2%	2.3%	2.4%
TERMINAL (d)	1/39 (3%)	1/34 (3%)	1/35 (3%)
FIRST INCIDENCE	727 (T)	727 (T)	727 (T)
HC TUMORS SAME RTE	1/49 (2%)		
HC TUMORS ALL RTES	19/1199 (2%)		

STATISTICAL TESTS

POLY 3	P=0.614	P=0.746	P=0.733
POLY 1.5	P=0.622	P=0.750	P=0.742
POLY 6	P=0.608	P=0.743	P=0.726
COCH-ARM / FISHERS	P=0.640	P=0.753N	P=0.753N
MAX-ISO-POLY-3	P=0.629	P=0.482	P=0.467
HISTCONT SAME RTE	P=0.552	P=0.651	P=0.531
HISTCONT ALL RTES	P=0.635	P=0.510	P=0.488

TDMS No. 99023 - 04
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: MICE/B6C3F1

P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS
 beta-Myrcene
 CAS Number: 123-35-3

Date Report Requested: 04/10/2008
 Time Report Requested: 07:27:51
 First Dose M/F: 04/11/02 / 04/10/02
 Lab: BAT

**STATISTICAL ANALYSIS OF PRIMARY TUMORS IN MICE(B6C3F1)
 TERMINAL SACRIFICE AT 104 WEEKS**

	Females		
DOSE	0 G/KG	0.25 G/KG	0.5 G/KG

**Thyroid Gland: Follicular Cell
 Carcinoma or Adenoma**

TUMOR RATES

OVERALL (a)	1/50 (2%)	0/50 (0%)	1/50 (2%)
POLY-3 RATE (b)	1/46.34	0/43.49	1/41.1
POLY-3 PERCENT (g)	2.2%	0%	2.4%
TERMINAL (d)	1/39 (3%)	0/34 (0%)	1/35 (3%)
FIRST INCIDENCE	727 (T)	---	727 (T)
HC TUMORS SAME RTE	0/48 (0%)		
HC TUMORS ALL RTES	31/1184 (3%)		

STATISTICAL TESTS

POLY 3	P=0.664	P=0.513N	P=0.733
POLY 1.5	P=0.665	P=0.509N	P=0.742
POLY 6	P=0.663	P=0.516N	P=0.726
COCH-ARM / FISHERS	P=0.669	P=0.500N	P=0.753N
MAX-ISO-POLY-3	P=0.441	P=0.174N	P=0.467
HISTCONT SAME RTE	(e)	(e)	(e)
HISTCONT ALL RTES	(e)	(e)	(e)

TDMS No. 99023 - 04
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: MICE/B6C3F1

P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS
 beta-Myrcene
 CAS Number: 123-35-3

Date Report Requested: 04/10/2008
 Time Report Requested: 07:27:51
 First Dose M/F: 04/11/02 / 04/10/02
 Lab: BAT

**STATISTICAL ANALYSIS OF PRIMARY TUMORS IN MICE(B6C3F1)
 TERMINAL SACRIFICE AT 104 WEEKS**

	Females		
DOSE	0 G/KG	0.25 G/KG	0.5 G/KG

**All Organs
 Hemangioma**

TUMOR RATES	#	#	#
OVERALL (a)	2/50 (4%)	0/50 (0%)	2/50 (4%)
POLY-3 RATE (b)	2/46.34	0/43.49	2/41.68
POLY-3 PERCENT (g)	4.3%	0%	4.8%
TERMINAL (d)	2/39 (5%)	0/34 (0%)	0/35 (0%)
FIRST INCIDENCE	727 (T)	---	619
HC TUMORS SAME RTE	0/49 (0%)		
HC TUMORS ALL RTES	18/1199 (2%)		

STATISTICAL TESTS

POLY 3	P=0.611	P=0.252N	P=0.655
POLY 1.5	P=0.614	P=0.248N	P=0.667
POLY 6	P=0.608	P=0.255N	P=0.648
COCH-ARM / FISHERS	P=0.622	P=0.247N	P=0.691N
MAX-ISO-POLY-3	P=0.353	P=0.090N	P=0.458
HISTCONT SAME RTE	P=0.253	(e)	P=0.192
HISTCONT ALL RTES	P=0.246	(e)	P=0.189

TDMS No. 99023 - 04
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: MICE/B6C3F1

P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS
 beta-Myrcene
 CAS Number: 123-35-3

Date Report Requested: 04/10/2008
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 Lab: BAT

**STATISTICAL ANALYSIS OF PRIMARY TUMORS IN MICE(B6C3F1)
 TERMINAL SACRIFICE AT 104 WEEKS**

	Females		
DOSE	0 G/KG	0.25 G/KG	0.5 G/KG

**All Organs
 Hemangiosarcoma**

TUMOR RATES	#	#	#
OVERALL (a)	1/50 (2%)	2/50 (4%)	1/50 (2%)
POLY-3 RATE (b)	1/46.34	2/43.49	1/41.1
POLY-3 PERCENT (g)	2.2%	4.6%	2.4%
TERMINAL (d)	1/39 (3%)	2/34 (6%)	1/35 (3%)
FIRST INCIDENCE	727 (T)	727 (T)	727 (T)
HC TUMORS SAME RTE	1/49 (2%)		
HC TUMORS ALL RTES	59/1199 (5%)		

STATISTICAL TESTS

POLY 3	P=0.580	P=0.478	P=0.733
POLY 1.5	P=0.594	P=0.484	P=0.742
POLY 6	P=0.570	P=0.473	P=0.726
COCH-ARM / FISHERS	P=0.622	P=0.500	P=0.753N
MAX-ISO-POLY-3	P=0.497	P=0.268	P=0.467
HISTCONT SAME RTE	P=0.488	P=0.231	P=0.489
HISTCONT ALL RTES	P=0.602	P=0.334	P=0.591

TDMS No. 99023 - 04
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: MICE/B6C3F1

P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS
 beta-Myrcene
 CAS Number: 123-35-3

Date Report Requested: 04/10/2008
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 Lab: BAT

**STATISTICAL ANALYSIS OF PRIMARY TUMORS IN MICE(B6C3F1)
 TERMINAL SACRIFICE AT 104 WEEKS**

DOSE	Females		
	0 G/KG	0.25 G/KG	0.5 G/KG

**All Organs
 Hemangiosarcoma or Hemangioma**

TUMOR RATES	#	#	#
OVERALL (a)	3/50 (6%)	2/50 (4%)	3/50 (6%)
POLY-3 RATE (b)	3/46.34	2/43.49	3/41.68
POLY-3 PERCENT (g)	6.5%	4.6%	7.2%
TERMINAL (d)	3/39 (8%)	2/34 (6%)	1/35 (3%)
FIRST INCIDENCE	727 (T)	727 (T)	619
HC TUMORS SAME RTE	1/49 (2%)		
HC TUMORS ALL RTES	76/1199 (6%)		

STATISTICAL TESTS

POLY 3	P=0.549	P=0.529N	P=0.612
POLY 1.5	P=0.561	P=0.521N	P=0.628
POLY 6	P=0.542	P=0.536N	P=0.604
COCH-ARM / FISHERS	P=0.588	P=0.500N	P=0.661N
MAX-ISO-POLY-3	P=0.522	P=0.354N	P=0.448
HISTCONT SAME RTE	P=0.155	P=0.395	P=0.184
HISTCONT ALL RTES	P=0.631	P=1.000	P=0.568

TDMS No. 99023 - 04
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: MICE/B6C3F1

P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS
 beta-Myrcene
 CAS Number: 123-35-3

Date Report Requested: 04/10/2008
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 Lab: BAT

**STATISTICAL ANALYSIS OF PRIMARY TUMORS IN MICE(B6C3F1)
 TERMINAL SACRIFICE AT 104 WEEKS**

DOSE	Females		
	0 G/KG	0.25 G/KG	0.5 G/KG

**All Organs
 Histiocytic Sarcoma**

TUMOR RATES	#	#	#
OVERALL (a)	0/50 (0%)	0/50 (0%)	2/50 (4%)
POLY-3 RATE (b)	0/46.34	0/43.49	2/41.32
POLY-3 PERCENT (g)	0%	0%	4.8%
TERMINAL (d)	0/39 (0%)	0/34 (0%)	1/35 (3%)
FIRST INCIDENCE	---	---	667
HC TUMORS SAME RTE	0/49 (0%)		
HC TUMORS ALL RTEs	31/1199 (3%)		

STATISTICAL TESTS

POLY 3	P=0.093	(e)	P=0.213
POLY 1.5	P=0.093	(e)	P=0.220
POLY 6	P=0.093	(e)	P=0.207
COCH-ARM / FISHERS	P=0.095	(e)	P=0.247
MAX-ISO-POLY-3	P=0.052	(e)	P=0.076
HISTCONT SAME RTE	P=0.090	(e)	P=0.130
HISTCONT ALL RTEs	P=0.058	(e)	P=0.086

TDMS No. 99023 - 04
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: MICE/B6C3F1

P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS
 beta-Myrcene
 CAS Number: 123-35-3

Date Report Requested: 04/10/2008
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 First Dose M/F: 04/11/02 / 04/10/02
 Lab: BAT

**STATISTICAL ANALYSIS OF PRIMARY TUMORS IN MICE(B6C3F1)
 TERMINAL SACRIFICE AT 104 WEEKS**

DOSE	Females		
	0 G/KG	0.25 G/KG	0.5 G/KG

**All Organs
 Malignant Lymphoma: Histiocytic, Lymphocytic, Mixed, NOS, or Undifferentiated Cell Type**

TUMOR RATES	#	#	#
OVERALL (a)	7/50 (14%)	6/50 (12%)	3/50 (6%)
POLY-3 RATE (b)	7/47.02	6/43.58	3/42.52
POLY-3 PERCENT (g)	14.9%	13.8%	7.1%
TERMINAL (d)	6/39 (15%)	5/34 (15%)	0/35 (0%)
FIRST INCIDENCE	497	706	394
HC TUMORS SAME RTE	11/49 (22%)		
HC TUMORS ALL RTES	277/1199 (23%)		

STATISTICAL TESTS

POLY 3	P=0.173N	P=0.558N	P=0.201N
POLY 1.5	P=0.158N	P=0.541N	P=0.187N
POLY 6	P=0.182N	P=0.573N	P=0.210N
COCH-ARM / FISHERS	P=0.128N	P=0.500N	P=0.159N
MAX-ISO-POLY-3	P=0.193N	P=0.441N	P=0.132N
HISTCONT SAME RTE	(h)	(h)	(h)
HISTCONT ALL RTES	(h)	(h)	(h)

TDMS No. 99023 - 04
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: MICE/B6C3F1

P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS
 beta-Myrcene
 CAS Number: 123-35-3

Date Report Requested: 04/10/2008
 Time Report Requested: 07:27:51
 First Dose M/F: 04/11/02 / 04/10/02
 Lab: BAT

**STATISTICAL ANALYSIS OF PRIMARY TUMORS IN MICE(B6C3F1)
 TERMINAL SACRIFICE AT 104 WEEKS**

DOSE	Females		
	0 G/KG	0.25 G/KG	0.5 G/KG

**All Organs
 Benign Tumors**

TUMOR RATES	#	#	#
OVERALL (a)	21/50 (42%)	19/50 (38%)	20/50 (40%)
POLY-3 RATE (b)	21/47.76	19/44.02	20/42.25
POLY-3 PERCENT (g)	44%	43.2%	47.3%
TERMINAL (d)	17/39 (44%)	17/34 (50%)	17/35 (49%)
FIRST INCIDENCE	540	594	549
HC TUMORS SAME RTE	20/49 (41%)		
HC TUMORS ALL RTES	623/1199 (52%)		

STATISTICAL TESTS

POLY 3	P=0.424	P=0.553N	P=0.457
POLY 1.5	P=0.491	P=0.510N	P=0.526
POLY 6	P=0.372	P=0.574	P=0.404
COCH-ARM / FISHERS	P=0.459N	P=0.419N	P=0.500N
MAX-ISO-POLY-3	P=0.503	P=0.469N	P=0.379
HISTCONT SAME RTE	P=0.426	P=1.000	P=0.543
HISTCONT ALL RTES	P=0.609	P=1.000	P=0.482

TDMS No. 99023 - 04
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: MICE/B6C3F1

P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS
 beta-Myrcene
 CAS Number: 123-35-3

Date Report Requested: 04/10/2008
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**STATISTICAL ANALYSIS OF PRIMARY TUMORS IN MICE(B6C3F1)
 TERMINAL SACRIFICE AT 104 WEEKS**

DOSE	Females		
	0 G/KG	0.25 G/KG	0.5 G/KG

**All Organs
 Malignant Tumors**

TUMOR RATES	#	#	#
OVERALL (a)	14/50 (28%)	20/50 (40%)	12/50 (24%)
POLY-3 RATE (b)	14/47.55	20/45.66	12/44.72
POLY-3 PERCENT (g)	29.4%	43.8%	26.8%
TERMINAL (d)	10/39 (26%)	11/34 (32%)	4/35 (11%)
FIRST INCIDENCE	497	503	394
HC TUMORS SAME RTE	21/49 (43%)		
HC TUMORS ALL RTES	615/1199 (51%)		

STATISTICAL TESTS

POLY 3	P=0.465N	P=0.109	P=0.482N
POLY 1.5	P=0.441N	P=0.115	P=0.463N
POLY 6	P=0.465N	P=0.108	P=0.482N
COCH-ARM / FISHERS	P=0.372N	P=0.146	P=0.410N
MAX-ISO-POLY-3	P=0.235N	P=0.077	P=0.392N
HISTCONT SAME RTE	(h)	(h)	(h)
HISTCONT ALL RTES	(h)	(h)	(h)

TDMS No. 99023 - 04
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: MICE/B6C3F1

P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS
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 Lab: BAT

**STATISTICAL ANALYSIS OF PRIMARY TUMORS IN MICE(B6C3F1)
 TERMINAL SACRIFICE AT 104 WEEKS**

DOSE	Females		
	0 G/KG	0.25 G/KG	0.5 G/KG

**All Organs
 Malignant and Benign Tumors**

TUMOR RATES	#	#	#
OVERALL (a)	30/50 (60%)	30/50 (60%)	27/50 (54%)
POLY-3 RATE (b)	30/48.6	30/45.66	27/45.29
POLY-3 PERCENT (g)	61.7%	65.7%	59.6%
TERMINAL (d)	23/39 (59%)	21/34 (62%)	18/35 (51%)
FIRST INCIDENCE	497	503	394
HC TUMORS SAME RTE	34/49 (69%)		
HC TUMORS ALL RTES	909/1199 (76%)		

STATISTICAL TESTS

POLY 3	P=0.469N	P=0.425	P=0.501N
POLY 1.5	P=0.420N	P=0.468	P=0.455N
POLY 6	P=0.486N	P=0.396	P=0.517N
COCH-ARM / FISHERS	P=0.306N	P=0.581N	P=0.343N
MAX-ISO-POLY-3	P=0.477N	P=0.347	P=0.418N
HISTCONT SAME RTE	(h)	(h)	(h)
HISTCONT ALL RTES	(h)	(h)	(h)

TDMS No. 99023 - 04
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: MICE/B6C3F1

P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS
beta-Myrcene
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LEGEND

- (a) Number of tumor-bearing animals/number of animals examined at site.
 - (b) Number of tumor-bearing animals/Poly-3 number
 - (d) Observed incidence at terminal kill.
 - (e) Value of Statistic cannot be computed.
 - (f) Beneath the control incidence are the P-values associated with the trend test. Beneath the dosed group incidence are the P-values corresponding to pairwise comparisons between the controls and that dosed group.
 - (g) Poly-3 adjusted lifetime tumor incidence.
 - (h) Value of Historical Controls statistic is only calculated when Poly-3 trend is positive and when there is more than one tumor in the treatment groups.
 - (I) Interim sacrifice
 - (T) Terminal sacrifice
 - # Tumor rates based on numbers of animals necropsied.
 - * To the right of any statistical result, indicates significance at ($P \leq 0.05$).
 - ** To the right of any statistical result, indicates significance at ($P \leq 0.01$).
 - N Indicates a negative trend for all tests
- The Cochran-Armitage and Fishers exact tests compare directly the overall incidence rates.

*** END OF REPORT ***