

TDMS No. 99023 - 03
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: RATS/F 344

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

beta-Myrcene
CAS Number: 123-35-3

Date Report Requested: 08/18/2008
Time Report Requested: 09:54:07
First Dose M/F: 03/25/02 / 03/26/02
Lab: BAT

F1_Rev2_R2

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
 Include 008 1.0 G/KG
Study Gender: Both
TDMSE Version: 2.0.0

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

MALE RATS

Organ

Adrenal Cortex
Brain
Kidney

Kidney: Papilla
Kidney: Renal Tubule

Kidney: Transitional Epithelium
Kidney: Vein
Liver

Lung

Lung: Alveolar Epithelium
Nose
Nose: Olfactory Epithelium
Pancreas: Acinus
Spleen

Stomach, Forestomach
Stomach, Glandular: Epithelium

FEMALE RATS

Organ

Clitoral Gland

Harderian Gland

Heart

Morphology

Hyperplasia
Hydrocephalus
Inflammation Focal
Nephropathy
Mineralization
Hyperplasia Oncocytic
Nephrosis
Hyperplasia
Thrombosis
Basophilic Focus
Inflammation Chronic
Mixed Cell Focus
Necrosis
Inflammation
Metaplasia Osseous
Hyperplasia
Inflammation Chronic
Degeneration
Hyperplasia
Atrophy
Fibrosis
Inflammation Chronic
Ectasia

Morphology

Cyst
Inflammation Chronic
Inflammation Chronic
Pigmentation Porphyrin
Cardiomyopathy

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

Intestine Large, Rectum
Islets, Pancreatic
Kidney
Kidney: Papilla
Kidney: Renal Tubule
Kidney: Transitional Epithelium
Liver

Lung
Nose: Olfactory Epithelium
Pancreas: Acinus
Pituitary Gland
Spleen
Uterus: Endometrium

Parasite Metazoan
Hyperplasia
Nephropathy
Mineralization
Nephrosis
Hyperplasia
Basophilic Focus
Eosinophilic Focus
Inflammation Chronic
Inflammation
Degeneration
Atrophy
Cyst
Hematopoietic Cell Proliferation
Hyperplasia Cystic

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**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(F 344)
TERMINAL SACRIFICE AT 105 WEEKS**

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

**Adrenal Cortex
Hyperplasia**

LESION RATES

OVERALL (a)	3/50 (6%)	5/50 (10%)	9/50 (18%)
POLY-3 RATE (b)	3/42.71	5/45.20	9/42.15
POLY-3 PERCENT (g)	7%	11.1%	21.4%
TERMINAL (d)	3/29 (10%)	5/36 (14%)	7/28 (25%)
FIRST INCIDENCE	729 (T)	729 (T)	674

STATISTICAL TESTS

POLY 3	P=0.037*	P=0.388	P=0.054
POLY 1.5	P=0.036*	P=0.373	P=0.053
POLY 6	P=0.037*	P=0.408	P=0.054
COCH-ARM / FISHERS	P=0.041*	P=0.357	P=0.061
MAX-ISO-POLY-3	P=0.034*	P=0.262	P=0.028*

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**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(F 344)
 TERMINAL SACRIFICE AT 105 WEEKS**

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

**Adrenal Cortex
 Necrosis**

LESION RATES

OVERALL (a)	0/50 (0%)	2/50 (4%)	0/50 (0%)
POLY-3 RATE (b)	0/42.71	2/45.91	0/41.86
POLY-3 PERCENT (g)	0%	4.4%	0%
TERMINAL (d)	0/29 (0%)	0/36 (0%)	0/28 (0%)
FIRST INCIDENCE	---	486	---

STATISTICAL TESTS

POLY 3	P=0.662	P=0.254	(e)
POLY 1.5	P=0.660	P=0.246	(e)
POLY 6	P=0.662	P=0.263	(e)
COCH-ARM / FISHERS	P=0.669	P=0.247	(e)
MAX-ISO-POLY-3	P=0.281	P=0.092	(e)

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**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(F 344)
TERMINAL SACRIFICE AT 105 WEEKS**

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

**Adrenal Cortex
Vacuolization Cytoplasmic**

LESION RATES

OVERALL (a)	13/50 (26%)	16/50 (32%)	15/50 (30%)
POLY-3 RATE (b)	13/42.98	16/45.37	15/42.63
POLY-3 PERCENT (g)	30.3%	35.3%	35.2%
TERMINAL (d)	9/29 (31%)	13/36 (36%)	11/28 (39%)
FIRST INCIDENCE	684	704	666

STATISTICAL TESTS

POLY 3	P=0.356	P=0.391	P=0.398
POLY 1.5	P=0.344	P=0.361	P=0.386
POLY 6	P=0.365	P=0.434	P=0.407
COCH-ARM / FISHERS	P=0.371	P=0.330	P=0.412
MAX-ISO-POLY-3	P=0.435	P=0.312	P=0.312

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**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(F 344)
TERMINAL SACRIFICE AT 105 WEEKS**

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

**Adrenal Medulla
Hyperplasia**

LESION RATES

OVERALL (a)	9/50 (18%)	9/50 (18%)	13/50 (26%)
POLY-3 RATE (b)	9/43.95	9/45.37	13/43.18
POLY-3 PERCENT (g)	20.5%	19.8%	30.1%
TERMINAL (d)	5/29 (17%)	8/36 (22%)	8/28 (29%)
FIRST INCIDENCE	528	684	551

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STATISTICAL TESTS

POLY 3	P=0.178	P=0.574N	P=0.214
POLY 1.5	P=0.176	P=0.588N	P=0.211
POLY 6	P=0.177	P=0.556N	P=0.213
COCH-ARM / FISHERS	P=0.194	P=0.602N	P=0.235
MAX-ISO-POLY-3	P=0.193	P=0.469N	P=0.151

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STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(F 344)
TERMINAL SACRIFICE AT 105 WEEKS

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

Bone Marrow
Hyperplasia

LESION RATES

OVERALL (a)	8/50 (16%)	5/50 (10%)	7/50 (14%)
POLY-3 RATE (b)	8/44.98	5/45.91	7/45.06
POLY-3 PERCENT (g)	17.8%	10.9%	15.5%
TERMINAL (d)	0/29 (0%)	2/36 (6%)	1/28 (4%)
FIRST INCIDENCE	429	611	9

STATISTICAL TESTS

POLY 3	P=0.440N	P=0.262N	P=0.499N
POLY 1.5	P=0.439N	P=0.270N	P=0.497N
POLY 6	P=0.448N	P=0.253N	P=0.508N
COCH-ARM / FISHERS	P=0.442N	P=0.277N	P=0.500N
MAX-ISO-POLY-3	P=0.377N	P=0.177N	P=0.386N

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**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(F 344)
TERMINAL SACRIFICE AT 105 WEEKS**

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

**Brain
Hydrocephalus**

LESION RATES

OVERALL (a)	3/50 (6%)	0/50 (0%)	0/50 (0%)
POLY-3 RATE (b)	3/43.68	0/45.20	0/41.86
POLY-3 PERCENT (g)	6.9%	0%	0%
TERMINAL (d)	0/29 (0%)	0/36 (0%)	0/28 (0%)
FIRST INCIDENCE	474	---	---

STATISTICAL TESTS

POLY 3	P=0.037N*	P=0.113N	P=0.126N
POLY 1.5	P=0.037N*	P=0.116N	P=0.126N
POLY 6	P=0.037N*	P=0.108N	P=0.128N
COCH-ARM / FISHERS	P=0.037N*	P=0.121N	P=0.121N
MAX-ISO-POLY-3	P=0.024N*	P=0.038N*	P=0.044N*

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**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(F 344)
 TERMINAL SACRIFICE AT 105 WEEKS**

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

Brain: Hypothalamus
 Compression

LESION RATES

OVERALL (a)	1/50 (2%)	0/50 (0%)	0/50 (0%)
POLY-3 RATE (b)	1/42.72	0/45.20	0/41.86
POLY-3 PERCENT (g)	2.3%	0%	0%
TERMINAL (d)	0/29 (0%)	0/36 (0%)	0/28 (0%)
FIRST INCIDENCE	726	---	---

STATISTICAL TESTS

POLY 3	P=0.273N	P=0.489N	P=0.504N
POLY 1.5	P=0.274N	P=0.494N	P=0.505N
POLY 6	P=0.274N	P=0.482N	P=0.504N
COCH-ARM / FISHERS	P=0.269N	P=0.500N	P=0.500N
MAX-ISO-POLY-3	P=0.158N	P=0.158N	P=0.164N

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**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(F 344)
TERMINAL SACRIFICE AT 105 WEEKS**

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

Brain: Meninges
Inflammation Chronic

LESION RATES

OVERALL (a)	0/50 (0%)	0/50 (0%)	0/50 (0%)
POLY-3 RATE (b)	0/42.71	0/45.20	0/41.86
POLY-3 PERCENT (g)	0%	0%	0%
TERMINAL (d)	0/29 (0%)	0/36 (0%)	0/28 (0%)
FIRST INCIDENCE	---	---	---

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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)

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**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(F 344)
TERMINAL SACRIFICE AT 105 WEEKS**

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

Eye: Sclera
Metaplasia Osseous

LESION RATES

OVERALL (a)	23/50 (46%)	25/50 (50%)	30/50 (60%)
POLY-3 RATE (b)	23/44.83	25/47.04	30/44.97
POLY-3 PERCENT (g)	51.3%	53.2%	66.7%
TERMINAL (d)	17/29 (59%)	17/36 (47%)	18/28 (64%)
FIRST INCIDENCE	429	578	551

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STATISTICAL TESTS

POLY 3	P=0.083	P=0.513	P=0.095
POLY 1.5	P=0.073	P=0.463	P=0.084
POLY 6	P=0.098	P=0.581N	P=0.113
COCH-ARM / FISHERS	P=0.097	P=0.421	P=0.115
MAX-ISO-POLY-3	P=0.091	P=0.429	P=0.062

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**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(F 344)
 TERMINAL SACRIFICE AT 105 WEEKS**

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

**Harderian Gland
 Atrophy**

LESION RATES

OVERALL (a)	0/50 (0%)	1/50 (2%)	0/50 (0%)
POLY-3 RATE (b)	0/42.71	1/45.20	0/41.86
POLY-3 PERCENT (g)	0%	2.2%	0%
TERMINAL (d)	0/29 (0%)	1/36 (3%)	0/28 (0%)
FIRST INCIDENCE	---	729 (T)	---

STATISTICAL TESTS

POLY 3	P=0.727	P=0.511	(e)
POLY 1.5	P=0.726	P=0.506	(e)
POLY 6	P=0.726	P=0.519	(e)
COCH-ARM / FISHERS	P=0.731	P=0.500	(e)
MAX-ISO-POLY-3	P=0.386	P=0.173	(e)

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**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(F 344)
 TERMINAL SACRIFICE AT 105 WEEKS**

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

**Harderian Gland
 Hyperplasia**

LESION RATES

OVERALL (a)	1/50 (2%)	2/50 (4%)	0/50 (0%)
POLY-3 RATE (b)	1/42.71	2/46.15	0/41.86
POLY-3 PERCENT (g)	2.3%	4.3%	0%
TERMINAL (d)	1/29 (3%)	1/36 (3%)	0/28 (0%)
FIRST INCIDENCE	729 (T)	261	---

STATISTICAL TESTS

POLY 3	P=0.370N	P=0.527	P=0.504N
POLY 1.5	P=0.373N	P=0.516	P=0.505N
POLY 6	P=0.371N	P=0.540	P=0.504N
COCH-ARM / FISHERS	P=0.360N	P=0.500	P=0.500N
MAX-ISO-POLY-3	P=0.218N	P=0.310	P=0.163N

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**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(F 344)
TERMINAL SACRIFICE AT 105 WEEKS**

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

**Harderian Gland
Inflammation Chronic**

LESION RATES

OVERALL (a)	2/50 (4%)	1/50 (2%)	0/50 (0%)
POLY-3 RATE (b)	2/42.71	1/45.20	0/41.86
POLY-3 PERCENT (g)	4.7%	2.2%	0%
TERMINAL (d)	2/29 (7%)	1/36 (3%)	0/28 (0%)
FIRST INCIDENCE	729 (T)	729 (T)	---

STATISTICAL TESTS

POLY 3	P=0.146N	P=0.480N	P=0.241N
POLY 1.5	P=0.148N	P=0.490N	P=0.243N
POLY 6	P=0.146N	P=0.468N	P=0.241N
COCH-ARM / FISHERS	P=0.142N	P=0.500N	P=0.247N
MAX-ISO-POLY-3	P=0.110N	P=0.269N	P=0.080N

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**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(F 344)
TERMINAL SACRIFICE AT 105 WEEKS**

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

**Harderian Gland
Pigmentation Porphyrin**

LESION RATES

OVERALL (a)	50/50 (100%)	50/50 (100%)	50/50 (100%)
POLY-3 RATE (b)	50/50.00	50/50.00	50/50.00
POLY-3 PERCENT (g)	100%	100%	100%
TERMINAL (d)	29/29 (100%)	36/36 (100%)	28/28 (100%)
FIRST INCIDENCE	429	261	9

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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)

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**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(F 344)
TERMINAL SACRIFICE AT 105 WEEKS**

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

**Heart
Cardiomyopathy**

LESION RATES

OVERALL (a)	39/50 (78%)	43/50 (86%)	42/50 (84%)
POLY-3 RATE (b)	39/47.77	43/49.10	42/47.90
POLY-3 PERCENT (g)	81.6%	87.6%	87.7%
TERMINAL (d)	26/29 (90%)	32/36 (89%)	25/28 (89%)
FIRST INCIDENCE	429	261	9

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STATISTICAL TESTS

POLY 3	P=0.234	P=0.290	P=0.286
POLY 1.5	P=0.211	P=0.255	P=0.261
POLY 6	P=0.268	P=0.349	P=0.324
COCH-ARM / FISHERS	P=0.254	P=0.218	P=0.306
MAX-ISO-POLY-3	P=0.264	P=0.201	P=0.194

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**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(F 344)
 TERMINAL SACRIFICE AT 105 WEEKS**

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

Heart: Atrium
 Thrombosis

LESION RATES

OVERALL (a)	2/50 (4%)	0/50 (0%)	2/50 (4%)
POLY-3 RATE (b)	2/43.16	0/45.20	2/42.27
POLY-3 PERCENT (g)	4.6%	0%	4.7%
TERMINAL (d)	0/29 (0%)	0/36 (0%)	0/28 (0%)
FIRST INCIDENCE	667	---	666

STATISTICAL TESTS

POLY 3	P=0.620	P=0.227N	P=0.687
POLY 1.5	P=0.620	P=0.232N	P=0.685
POLY 6	P=0.621	P=0.221N	P=0.687
COCH-ARM / FISHERS	P=0.622	P=0.247N	P=0.691N
MAX-ISO-POLY-3	P=0.360	P=0.076N	P=0.491

TDMS No. 99023 - 03
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: RATS/F 344

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
 beta-Myrcene
 CAS Number: 123-35-3

Date Report Requested: 08/18/2008
 Time Report Requested: 09:54:07
 First Dose M/F: 03/25/02 / 03/26/02
 Lab: BAT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(F 344)
 TERMINAL SACRIFICE AT 105 WEEKS**

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

Heart: Valve
 Thrombosis

LESION RATES

OVERALL (a)	0/50 (0%)	0/50 (0%)	2/50 (4%)
POLY-3 RATE (b)	0/42.71	0/45.20	2/42.12
POLY-3 PERCENT (g)	0%	0%	4.8%
TERMINAL (d)	0/29 (0%)	0/36 (0%)	0/28 (0%)
FIRST INCIDENCE	---	---	684

STATISTICAL TESTS

POLY 3	P=0.094	(e)	P=0.234
POLY 1.5	P=0.094	(e)	P=0.232
POLY 6	P=0.094	(e)	P=0.235
COCH-ARM / FISHERS	P=0.095	(e)	P=0.247
MAX-ISO-POLY-3	P=0.052	(e)	P=0.076

TDMS No. 99023 - 03
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: RATS/F 344

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
beta-Myrcene
CAS Number: 123-35-3

Date Report Requested: 08/18/2008
Time Report Requested: 09:54:07
First Dose M/F: 03/25/02 / 03/26/02
Lab: BAT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(F 344)
TERMINAL SACRIFICE AT 105 WEEKS**

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

**Intestine Large, Colon
Parasite Metazoan**

LESION RATES

OVERALL (a)	1/50 (2%)	1/50 (2%)	2/50 (4%)
POLY-3 RATE (b)	1/42.71	1/45.20	2/41.86
POLY-3 PERCENT (g)	2.3%	2.2%	4.8%
TERMINAL (d)	1/29 (3%)	1/36 (3%)	2/28 (7%)
FIRST INCIDENCE	729 (T)	729 (T)	729 (T)

STATISTICAL TESTS

POLY 3	P=0.375	P=0.748N	P=0.493
POLY 1.5	P=0.374	P=0.754N	P=0.491
POLY 6	P=0.375	P=0.740N	P=0.492
COCH-ARM / FISHERS	P=0.378	P=0.753N	P=0.500
MAX-ISO-POLY-3	P=0.361	P=0.484N	P=0.276

TDMS No. 99023 - 03
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: RATS/F 344

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
beta-Myrcene
CAS Number: 123-35-3

Date Report Requested: 08/18/2008
Time Report Requested: 09:54:07
First Dose M/F: 03/25/02 / 03/26/02
Lab: BAT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(F 344)
TERMINAL SACRIFICE AT 105 WEEKS**

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

**Intestine Large, Rectum
Parasite Metazoan**

LESION RATES

OVERALL (a)	6/50 (12%)	4/50 (8%)	3/50 (6%)
POLY-3 RATE (b)	6/43.55	4/45.25	3/42.07
POLY-3 PERCENT (g)	13.8%	8.8%	7.1%
TERMINAL (d)	3/29 (10%)	3/36 (8%)	2/28 (7%)
FIRST INCIDENCE	536	717	674

STATISTICAL TESTS

POLY 3	P=0.200N	P=0.345N	P=0.258N
POLY 1.5	P=0.201N	P=0.357N	P=0.259N
POLY 6	P=0.203N	P=0.329N	P=0.262N
COCH-ARM / FISHERS	P=0.187N	P=0.370N	P=0.243N
MAX-ISO-POLY-3	P=0.222N	P=0.236N	P=0.163N

TDMS No. 99023 - 03
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: RATS/F 344

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
 beta-Myrcene
 CAS Number: 123-35-3

Date Report Requested: 08/18/2008
 Time Report Requested: 09:54:07
 First Dose M/F: 03/25/02 / 03/26/02
 Lab: BAT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(F 344)
 TERMINAL SACRIFICE AT 105 WEEKS**

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

**Islets, Pancreatic
 Hyperplasia**

LESION RATES

OVERALL (a)	1/50 (2%)	0/50 (0%)	0/50 (0%)
POLY-3 RATE (b)	1/42.71	0/45.20	0/41.86
POLY-3 PERCENT (g)	2.3%	0%	0%
TERMINAL (d)	1/29 (3%)	0/36 (0%)	0/28 (0%)
FIRST INCIDENCE	729 (T)	---	---

STATISTICAL TESTS

POLY 3	P=0.273N	P=0.489N	P=0.504N
POLY 1.5	P=0.274N	P=0.494N	P=0.505N
POLY 6	P=0.273N	P=0.481N	P=0.504N
COCH-ARM / FISHERS	P=0.269N	P=0.500N	P=0.500N
MAX-ISO-POLY-3	P=0.158N	P=0.158N	P=0.163N

TDMS No. 99023 - 03
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: RATS/F 344

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
 beta-Myrcene
 CAS Number: 123-35-3

Date Report Requested: 08/18/2008
 Time Report Requested: 09:54:07
 First Dose M/F: 03/25/02 / 03/26/02
 Lab: BAT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(F 344)
 TERMINAL SACRIFICE AT 105 WEEKS**

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

**Kidney
 Inflammation Focal**

LESION RATES

OVERALL (a)	1/50 (2%)	22/50 (44%)	22/50 (44%)
POLY-3 RATE (b)	1/42.71	22/45.70	22/42.44
POLY-3 PERCENT (g)	2.3%	48.1%	51.8%
TERMINAL (d)	1/29 (3%)	21/36 (58%)	18/28 (64%)
FIRST INCIDENCE	729 (T)	578	666

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**

TDMS No. 99023 - 03
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: RATS/F 344

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
beta-Myrcene
CAS Number: 123-35-3

Date Report Requested: 08/18/2008
Time Report Requested: 09:54:07
First Dose M/F: 03/25/02 / 03/26/02
Lab: BAT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(F 344)
TERMINAL SACRIFICE AT 105 WEEKS**

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

**Kidney
Necrosis**

LESION RATES

OVERALL (a)	1/50 (2%)	2/50 (4%)	2/50 (4%)
POLY-3 RATE (b)	1/42.73	2/46.08	2/42.65
POLY-3 PERCENT (g)	2.3%	4.3%	4.7%
TERMINAL (d)	0/29 (0%)	0/36 (0%)	0/28 (0%)
FIRST INCIDENCE	724	578	560

STATISTICAL TESTS

POLY 3	P=0.390	P=0.526	P=0.499
POLY 1.5	P=0.386	P=0.514	P=0.494
POLY 6	P=0.394	P=0.543	P=0.503
COCH-ARM / FISHERS	P=0.390	P=0.500	P=0.500
MAX-ISO-POLY-3	P=0.401	P=0.309	P=0.280

TDMS No. 99023 - 03
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: RATS/F 344

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
beta-Myrcene
CAS Number: 123-35-3

Date Report Requested: 08/18/2008
Time Report Requested: 09:54:07
First Dose M/F: 03/25/02 / 03/26/02
Lab: BAT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(F 344)
TERMINAL SACRIFICE AT 105 WEEKS**

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

**Kidney
Nephropathy**

LESION RATES

OVERALL (a)	45/50 (90%)	48/50 (96%)	48/50 (96%)
POLY-3 RATE (b)	45/48.89	48/48.73	48/48.00
POLY-3 PERCENT (g)	92.1%	98.5%	100%
TERMINAL (d)	28/29 (97%)	36/36 (100%)	28/28 (100%)
FIRST INCIDENCE	429	261	449

STATISTICAL TESTS

POLY 3	P=0.013*	P=0.123	P=0.053
POLY 1.5	P=0.013*	P=0.154	P=0.042*
POLY 6	P=0.018*	P=0.108	P=0.079
COCH-ARM / FISHERS	P=0.146	P=0.218	P=0.218
MAX-ISO-POLY-3	P=0.007**	P=0.044*	P=0.015*

TDMS No. 99023 - 03
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: RATS/F 344

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
beta-Myrcene
CAS Number: 123-35-3

Date Report Requested: 08/18/2008
Time Report Requested: 09:54:07
First Dose M/F: 03/25/02 / 03/26/02
Lab: BAT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(F 344)
TERMINAL SACRIFICE AT 105 WEEKS**

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

**Kidney: Papilla
Mineralization**

LESION RATES

OVERALL (a)	1/50 (2%)	48/50 (96%)	40/50 (80%)
POLY-3 RATE (b)	1/42.92	48/49.05	40/46.51
POLY-3 PERCENT (g)	2.3%	97.9%	86%
TERMINAL (d)	0/29 (0%)	35/36 (97%)	25/28 (89%)
FIRST INCIDENCE	674	486	449

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**

TDMS No. 99023 - 03
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: RATS/F 344

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
 beta-Myrcene
 CAS Number: 123-35-3

Date Report Requested: 08/18/2008
 Time Report Requested: 09:54:07
 First Dose M/F: 03/25/02 / 03/26/02
 Lab: BAT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(F 344)
 TERMINAL SACRIFICE AT 105 WEEKS**

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

**Kidney: Pelvis
 Inflammation Chronic**

LESION RATES

OVERALL (a)	0/50 (0%)	0/50 (0%)	0/50 (0%)
POLY-3 RATE (b)	0/42.71	0/45.20	0/41.86
POLY-3 PERCENT (g)	0%	0%	0%
TERMINAL (d)	0/29 (0%)	0/36 (0%)	0/28 (0%)
FIRST INCIDENCE	---	---	---

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)

TDMS No. 99023 - 03
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: RATS/F 344

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
 beta-Myrcene
 CAS Number: 123-35-3

Date Report Requested: 08/18/2008
 Time Report Requested: 09:54:07
 First Dose M/F: 03/25/02 / 03/26/02
 Lab: BAT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(F 344)
 TERMINAL SACRIFICE AT 105 WEEKS**

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

**Kidney: Renal Tubule
 Cyst**

LESION RATES

OVERALL (a)	1/50 (2%)	3/50 (6%)	2/50 (4%)
POLY-3 RATE (b)	1/42.87	3/45.20	2/41.86
POLY-3 PERCENT (g)	2.3%	6.6%	4.8%
TERMINAL (d)	0/29 (0%)	3/36 (8%)	2/28 (7%)
FIRST INCIDENCE	689	729 (T)	729 (T)

STATISTICAL TESTS

POLY 3	P=0.389	P=0.324	P=0.492
POLY 1.5	P=0.388	P=0.315	P=0.490
POLY 6	P=0.387	P=0.336	P=0.490
COCH-ARM / FISHERS	P=0.399	P=0.309	P=0.500
MAX-ISO-POLY-3	P=0.325	P=0.174	P=0.275

TDMS No. 99023 - 03
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: RATS/F 344

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
beta-Myrcene
CAS Number: 123-35-3

Date Report Requested: 08/18/2008
Time Report Requested: 09:54:07
First Dose M/F: 03/25/02 / 03/26/02
Lab: BAT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(F 344)
TERMINAL SACRIFICE AT 105 WEEKS**

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

**Kidney: Renal Tubule
Hyperplasia**

LESION RATES

OVERALL (a)	0/50 (0%)	0/50 (0%)	2/50 (4%)
POLY-3 RATE (b)	0/42.71	0/45.20	2/41.86
POLY-3 PERCENT (g)	0%	0%	4.8%
TERMINAL (d)	0/29 (0%)	0/36 (0%)	2/28 (7%)
FIRST INCIDENCE	---	---	729 (T)

STATISTICAL TESTS

POLY 3	P=0.094	(e)	P=0.232
POLY 1.5	P=0.094	(e)	P=0.231
POLY 6	P=0.094	(e)	P=0.232
COCH-ARM / FISHERS	P=0.095	(e)	P=0.247
MAX-ISO-POLY-3	P=0.052	(e)	P=0.076

TDMS No. 99023 - 03
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: RATS/F 344

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
 beta-Myrcene
 CAS Number: 123-35-3

Date Report Requested: 08/18/2008
 Time Report Requested: 09:54:07
 First Dose M/F: 03/25/02 / 03/26/02
 Lab: BAT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(F 344)
 TERMINAL SACRIFICE AT 105 WEEKS**

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

**Kidney: Renal Tubule
 Hyperplasia Oncocytic**

LESION RATES

OVERALL (a)	0/50 (0%)	3/50 (6%)	0/50 (0%)
POLY-3 RATE (b)	0/42.71	3/45.20	0/41.86
POLY-3 PERCENT (g)	0%	6.6%	0%
TERMINAL (d)	0/29 (0%)	3/36 (8%)	0/28 (0%)
FIRST INCIDENCE	---	729 (T)	---

STATISTICAL TESTS

POLY 3	P=0.632	P=0.129	(e)
POLY 1.5	P=0.629	P=0.124	(e)
POLY 6	P=0.631	P=0.136	(e)
COCH-ARM / FISHERS	P=0.640	P=0.121	(e)
MAX-ISO-POLY-3	P=0.207	P=0.047*	(e)

TDMS No. 99023 - 03
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: RATS/F 344

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
 beta-Myrcene
 CAS Number: 123-35-3

Date Report Requested: 08/18/2008
 Time Report Requested: 09:54:07
 First Dose M/F: 03/25/02 / 03/26/02
 Lab: BAT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(F 344)
 TERMINAL SACRIFICE AT 105 WEEKS**

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

**Kidney: Renal Tubule
 Nephrosis**

LESION RATES

OVERALL (a)	0/50 (0%)	42/50 (84%)	46/50 (92%)
POLY-3 RATE (b)	0/42.71	42/47.41	46/46.53
POLY-3 PERCENT (g)	0%	88.6%	98.9%
TERMINAL (d)	0/29 (0%)	33/36 (92%)	28/28 (100%)
FIRST INCIDENCE	---	550	549

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**

TDMS No. 99023 - 03
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: RATS/F 344

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
 beta-Myrcene
 CAS Number: 123-35-3

Date Report Requested: 08/18/2008
 Time Report Requested: 09:54:07
 First Dose M/F: 03/25/02 / 03/26/02
 Lab: BAT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(F 344)
 TERMINAL SACRIFICE AT 105 WEEKS**

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

**Kidney: Transitional Epithelium
 Hyperplasia**

LESION RATES

OVERALL (a)	0/50 (0%)	21/50 (42%)	19/50 (38%)
POLY-3 RATE (b)	0/42.71	21/45.94	19/44.17
POLY-3 PERCENT (g)	0%	45.7%	43%
TERMINAL (d)	0/29 (0%)	16/36 (44%)	9/28 (32%)
FIRST INCIDENCE	---	611	551

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**

TDMS No. 99023 - 03
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: RATS/F 344

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
 beta-Myrcene
 CAS Number: 123-35-3

Date Report Requested: 08/18/2008
 Time Report Requested: 09:54:07
 First Dose M/F: 03/25/02 / 03/26/02
 Lab: BAT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(F 344)
 TERMINAL SACRIFICE AT 105 WEEKS**

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

**Kidney: Vein
 Thrombosis**

LESION RATES

OVERALL (a)	0/50 (0%)	0/50 (0%)	3/50 (6%)
POLY-3 RATE (b)	0/42.71	0/45.20	3/42.10
POLY-3 PERCENT (g)	0%	0%	7.1%
TERMINAL (d)	0/29 (0%)	0/36 (0%)	2/28 (7%)
FIRST INCIDENCE	---	---	666

STATISTICAL TESTS

POLY 3	P=0.035*	(e)	P=0.116
POLY 1.5	P=0.035*	(e)	P=0.114
POLY 6	P=0.035*	(e)	P=0.116
COCH-ARM / FISHERS	P=0.037*	(e)	P=0.121
MAX-ISO-POLY-3	P=0.019*	(e)	P=0.038*

TDMS No. 99023 - 03
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: RATS/F 344

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
 beta-Myrcene
 CAS Number: 123-35-3

Date Report Requested: 08/18/2008
 Time Report Requested: 09:54:07
 First Dose M/F: 03/25/02 / 03/26/02
 Lab: BAT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(F 344)
 TERMINAL SACRIFICE AT 105 WEEKS**

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

Liver
 Angiectasis

LESION RATES

OVERALL (a)	2/50 (4%)	4/50 (8%)	3/50 (6%)
POLY-3 RATE (b)	2/42.71	4/45.20	3/41.86
POLY-3 PERCENT (g)	4.7%	8.9%	7.2%
TERMINAL (d)	2/29 (7%)	4/36 (11%)	3/28 (11%)
FIRST INCIDENCE	729 (T)	729 (T)	729 (T)

STATISTICAL TESTS

POLY 3	P=0.406	P=0.363	P=0.491
POLY 1.5	P=0.404	P=0.351	P=0.488
POLY 6	P=0.406	P=0.381	P=0.490
COCH-ARM / FISHERS	P=0.417	P=0.339	P=0.500
MAX-ISO-POLY-3	P=0.385	P=0.227	P=0.317

TDMS No. 99023 - 03
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: RATS/F 344

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
 beta-Myrcene
 CAS Number: 123-35-3

Date Report Requested: 08/18/2008
 Time Report Requested: 09:54:07
 First Dose M/F: 03/25/02 / 03/26/02
 Lab: BAT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(F 344)
 TERMINAL SACRIFICE AT 105 WEEKS**

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

Liver
 Basophilic Focus

LESION RATES

OVERALL (a)	23/50 (46%)	12/50 (24%)	5/50 (10%)
POLY-3 RATE (b)	23/44.19	12/45.20	5/42.07
POLY-3 PERCENT (g)	52.1%	26.6%	11.9%
TERMINAL (d)	17/29 (59%)	12/36 (33%)	4/28 (14%)
FIRST INCIDENCE	516	729 (T)	674

STATISTICAL TESTS

POLY 3	P<0.001N**	P=0.010N**	P<0.001N**
POLY 1.5	P<0.001N**	P=0.012N*	P<0.001N**
POLY 6	P<0.001N**	P=0.007N**	P<0.001N**
COCH-ARM / FISHERS	P<0.001N**	P=0.018N*	P<0.001N**
MAX-ISO-POLY-3	P<0.001N**	P=0.005N**	P<0.001N**

TDMS No. 99023 - 03
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: RATS/F 344

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
beta-Myrcene
CAS Number: 123-35-3

Date Report Requested: 08/18/2008
Time Report Requested: 09:54:07
First Dose M/F: 03/25/02 / 03/26/02
Lab: BAT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(F 344)
TERMINAL SACRIFICE AT 105 WEEKS**

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

Liver
Clear Cell Focus

LESION RATES

OVERALL (a)	14/50 (28%)	19/50 (38%)	9/50 (18%)
POLY-3 RATE (b)	14/43.12	19/45.20	9/41.86
POLY-3 PERCENT (g)	32.5%	42%	21.5%
TERMINAL (d)	13/29 (45%)	19/36 (53%)	9/28 (32%)
FIRST INCIDENCE	611	729 (T)	729 (T)

STATISTICAL TESTS

POLY 3	P=0.173N	P=0.236	P=0.183N
POLY 1.5	P=0.179N	P=0.216	P=0.188N
POLY 6	P=0.177N	P=0.267	P=0.185N
COCH-ARM / FISHERS	P=0.158N	P=0.198	P=0.171N
MAX-ISO-POLY-3	P=0.080N	P=0.179	P=0.129N

TDMS No. 99023 - 03
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: RATS/F 344

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
 beta-Myrcene
 CAS Number: 123-35-3

Date Report Requested: 08/18/2008
 Time Report Requested: 09:54:07
 First Dose M/F: 03/25/02 / 03/26/02
 Lab: BAT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(F 344)
 TERMINAL SACRIFICE AT 105 WEEKS**

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

Liver
 Eosinophilic Focus

LESION RATES

OVERALL (a)	6/50 (12%)	5/50 (10%)	3/50 (6%)
POLY-3 RATE (b)	6/43.83	5/45.20	3/41.86
POLY-3 PERCENT (g)	13.7%	11.1%	7.2%
TERMINAL (d)	3/29 (10%)	5/36 (14%)	3/28 (11%)
FIRST INCIDENCE	474	729 (T)	729 (T)

STATISTICAL TESTS

POLY 3	P=0.216N	P=0.478N	P=0.264N
POLY 1.5	P=0.215N	P=0.490N	P=0.262N
POLY 6	P=0.223N	P=0.463N	P=0.271N
COCH-ARM / FISHERS	P=0.195N	P=0.500N	P=0.243N
MAX-ISO-POLY-3	P=0.241N	P=0.355N	P=0.169N

TDMS No. 99023 - 03
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: RATS/F 344

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
beta-Myrcene
CAS Number: 123-35-3

Date Report Requested: 08/18/2008
Time Report Requested: 09:54:07
First Dose M/F: 03/25/02 / 03/26/02
Lab: BAT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(F 344)
TERMINAL SACRIFICE AT 105 WEEKS**

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

Liver
Fatty Change

LESION RATES

OVERALL (a)	4/50 (8%)	4/50 (8%)	2/50 (4%)
POLY-3 RATE (b)	4/43.45	4/46.16	2/42.44
POLY-3 PERCENT (g)	9.2%	8.7%	4.7%
TERMINAL (d)	1/29 (3%)	2/36 (6%)	1/28 (4%)
FIRST INCIDENCE	516	261	549

STATISTICAL TESTS

POLY 3	P=0.286N	P=0.610N	P=0.348N
POLY 1.5	P=0.289N	P=0.623N	P=0.350N
POLY 6	P=0.287N	P=0.593N	P=0.349N
COCH-ARM / FISHERS	P=0.274N	P=0.643N	P=0.339N
MAX-ISO-POLY-3	P=0.310N	P=0.465N	P=0.211N

TDMS No. 99023 - 03
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: RATS/F 344

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
 beta-Myrcene
 CAS Number: 123-35-3

Date Report Requested: 08/18/2008
 Time Report Requested: 09:54:07
 First Dose M/F: 03/25/02 / 03/26/02
 Lab: BAT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(F 344)
 TERMINAL SACRIFICE AT 105 WEEKS**

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

Liver
 Fibrosis

LESION RATES

OVERALL (a)	0/50 (0%)	0/50 (0%)	0/50 (0%)
POLY-3 RATE (b)	0/42.71	0/45.20	0/41.86
POLY-3 PERCENT (g)	0%	0%	0%
TERMINAL (d)	0/29 (0%)	0/36 (0%)	0/28 (0%)
FIRST INCIDENCE	---	---	---

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)

TDMS No. 99023 - 03
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: RATS/F 344

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
 beta-Myrcene
 CAS Number: 123-35-3

Date Report Requested: 08/18/2008
 Time Report Requested: 09:54:07
 First Dose M/F: 03/25/02 / 03/26/02
 Lab: BAT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(F 344)
 TERMINAL SACRIFICE AT 105 WEEKS**

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

Liver
 Hepatodiaphragmatic Nodule

LESION RATES

OVERALL (a)	3/50 (6%)	3/50 (6%)	2/50 (4%)
POLY-3 RATE (b)	3/42.71	3/46.00	2/41.86
POLY-3 PERCENT (g)	7%	6.5%	4.8%
TERMINAL (d)	3/29 (10%)	1/36 (3%)	2/28 (7%)
FIRST INCIDENCE	729 (T)	486	729 (T)

STATISTICAL TESTS

POLY 3	P=0.423N	P=0.628N	P=0.509N
POLY 1.5	P=0.426N	P=0.643N	P=0.512N
POLY 6	P=0.423N	P=0.607N	P=0.510N
COCH-ARM / FISHERS	P=0.412N	P=0.661N	P=0.500N
MAX-ISO-POLY-3	P=0.466N	P=0.463N	P=0.333N

TDMS No. 99023 - 03
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: RATS/F 344

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
 beta-Myrcene
 CAS Number: 123-35-3

Date Report Requested: 08/18/2008
 Time Report Requested: 09:54:07
 First Dose M/F: 03/25/02 / 03/26/02
 Lab: BAT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(F 344)
 TERMINAL SACRIFICE AT 105 WEEKS**

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

**Liver
 Inflammation Chronic**

LESION RATES

OVERALL (a)	34/50 (68%)	36/50 (72%)	19/50 (38%)
POLY-3 RATE (b)	34/45.09	36/45.54	19/43.11
POLY-3 PERCENT (g)	75.4%	79.1%	44.1%
TERMINAL (d)	27/29 (93%)	33/36 (92%)	17/28 (61%)
FIRST INCIDENCE	429	652	486

STATISTICAL TESTS

POLY 3	P<0.001N**	P=0.430	P<0.001N**
POLY 1.5	P<0.001N**	P=0.408	P=0.002N**
POLY 6	P<0.001N**	P=0.478	P<0.001N**
COCH-ARM / FISHERS	P=0.002N**	P=0.414	P=0.002N**
MAX-ISO-POLY-3	P<0.001N**	P=0.328	P<0.001N**

TDMS No. 99023 - 03
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: RATS/F 344

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
 beta-Myrcene
 CAS Number: 123-35-3

Date Report Requested: 08/18/2008
 Time Report Requested: 09:54:07
 First Dose M/F: 03/25/02 / 03/26/02
 Lab: BAT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(F 344)
 TERMINAL SACRIFICE AT 105 WEEKS**

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

Liver
 Mixed Cell Focus

LESION RATES

OVERALL (a)	6/50 (12%)	1/50 (2%)	0/50 (0%)
POLY-3 RATE (b)	6/42.87	1/45.48	0/41.86
POLY-3 PERCENT (g)	14%	2.2%	0%
TERMINAL (d)	5/29 (17%)	0/36 (0%)	0/28 (0%)
FIRST INCIDENCE	688	652	---

STATISTICAL TESTS

POLY 3	P=0.004N**	P=0.047N*	P=0.016N*
POLY 1.5	P=0.004N**	P=0.051N	P=0.017N*
POLY 6	P=0.004N**	P=0.041N*	P=0.016N*
COCH-ARM / FISHERS	P=0.005N**	P=0.056N	P=0.013N*
MAX-ISO-POLY-3	P=0.003N**	P=0.022N*	P=0.005N**

TDMS No. 99023 - 03
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: RATS/F 344

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
 beta-Myrcene
 CAS Number: 123-35-3

Date Report Requested: 08/18/2008
 Time Report Requested: 09:54:07
 First Dose M/F: 03/25/02 / 03/26/02
 Lab: BAT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(F 344)
 TERMINAL SACRIFICE AT 105 WEEKS**

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

Liver
 Necrosis

LESION RATES

OVERALL (a)	0/50 (0%)	4/50 (8%)	4/50 (8%)
POLY-3 RATE (b)	0/42.71	4/45.31	4/43.18
POLY-3 PERCENT (g)	0%	8.8%	9.3%
TERMINAL (d)	0/29 (0%)	2/36 (6%)	0/28 (0%)
FIRST INCIDENCE	---	704	560

STATISTICAL TESTS

POLY 3	P=0.060	P=0.068	P=0.061
POLY 1.5	P=0.057	P=0.064	P=0.059
POLY 6	P=0.064	P=0.073	P=0.064
COCH-ARM / FISHERS	P=0.060	P=0.059	P=0.059
MAX-ISO-POLY-3	P=0.049*	P=0.025*	P=0.020*

TDMS No. 99023 - 03
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: RATS/F 344

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
beta-Myrcene
CAS Number: 123-35-3

Date Report Requested: 08/18/2008
Time Report Requested: 09:54:07
First Dose M/F: 03/25/02 / 03/26/02
Lab: BAT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(F 344)
TERMINAL SACRIFICE AT 105 WEEKS**

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

Liver: Bile Duct
Hyperplasia

LESION RATES

OVERALL (a)	39/50 (78%)	42/50 (84%)	39/50 (78%)
POLY-3 RATE (b)	39/45.48	42/46.57	39/46.19
POLY-3 PERCENT (g)	85.8%	90.2%	84.4%
TERMINAL (d)	27/29 (93%)	36/36 (100%)	24/28 (86%)
FIRST INCIDENCE	429	261	449

.....
STATISTICAL TESTS

POLY 3	P=0.483N	P=0.348	P=0.551N
POLY 1.5	P=0.529	P=0.332	P=0.586
POLY 6	P=0.337N	P=0.356	P=0.429N
COCH-ARM / FISHERS	P=0.550	P=0.306	P=0.595N
MAX-ISO-POLY-3	P=0.401N	P=0.225	P=0.423N

TDMS No. 99023 - 03
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: RATS/F 344

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
 beta-Myrcene
 CAS Number: 123-35-3

Date Report Requested: 08/18/2008
 Time Report Requested: 09:54:07
 First Dose M/F: 03/25/02 / 03/26/02
 Lab: BAT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(F 344)
 TERMINAL SACRIFICE AT 105 WEEKS**

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

**Liver: Centrilobular
 Degeneration**

LESION RATES

OVERALL (a)	3/50 (6%)	1/50 (2%)	1/50 (2%)
POLY-3 RATE (b)	3/43.39	1/45.70	1/41.86
POLY-3 PERCENT (g)	6.9%	2.2%	2.4%
TERMINAL (d)	0/29 (0%)	0/36 (0%)	1/28 (4%)
FIRST INCIDENCE	667	578	729 (T)

STATISTICAL TESTS

POLY 3	P=0.210N	P=0.287N	P=0.318N
POLY 1.5	P=0.210N	P=0.295N	P=0.317N
POLY 6	P=0.213N	P=0.277N	P=0.323N
COCH-ARM / FISHERS	P=0.202N	P=0.309N	P=0.309N
MAX-ISO-POLY-3	P=0.195N	P=0.147N	P=0.167N

TDMS No. 99023 - 03
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: RATS/F 344

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
beta-Myrcene
CAS Number: 123-35-3

Date Report Requested: 08/18/2008
Time Report Requested: 09:54:07
First Dose M/F: 03/25/02 / 03/26/02
Lab: BAT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(F 344)
TERMINAL SACRIFICE AT 105 WEEKS**

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

Liver: Centrilobular
Necrosis

LESION RATES

OVERALL (a)	0/50 (0%)	0/50 (0%)	0/50 (0%)
POLY-3 RATE (b)	0/42.71	0/45.20	0/41.86
POLY-3 PERCENT (g)	0%	0%	0%
TERMINAL (d)	0/29 (0%)	0/36 (0%)	0/28 (0%)
FIRST INCIDENCE	---	---	---

.....
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)

.....

TDMS No. 99023 - 03
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: RATS/F 344

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
 beta-Myrcene
 CAS Number: 123-35-3

Date Report Requested: 08/18/2008
 Time Report Requested: 09:54:07
 First Dose M/F: 03/25/02 / 03/26/02
 Lab: BAT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(F 344)
 TERMINAL SACRIFICE AT 105 WEEKS**

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

**Lung
 Inflammation**

LESION RATES

OVERALL (a)	32/50 (64%)	33/50 (66%)	18/50 (36%)
POLY-3 RATE (b)	32/46.70	33/46.17	18/43.62
POLY-3 PERCENT (g)	68.5%	71.5%	41.3%
TERMINAL (d)	20/29 (69%)	29/36 (81%)	10/28 (36%)
FIRST INCIDENCE	429	578	551

STATISTICAL TESTS

POLY 3	P=0.005N**	P=0.466	P=0.006N**
POLY 1.5	P=0.005N**	P=0.471	P=0.006N**
POLY 6	P=0.006N**	P=0.460	P=0.007N**
COCH-ARM / FISHERS	P=0.003N**	P=0.500	P=0.004N**
MAX-ISO-POLY-3	P=0.003N**	P=0.374	P=0.004N**

TDMS No. 99023 - 03
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: RATS/F 344

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
 beta-Myrcene
 CAS Number: 123-35-3

Date Report Requested: 08/18/2008
 Time Report Requested: 09:54:07
 First Dose M/F: 03/25/02 / 03/26/02
 Lab: BAT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(F 344)
 TERMINAL SACRIFICE AT 105 WEEKS**

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

**Lung
 Metaplasia Osseous**

LESION RATES

OVERALL (a)	5/50 (10%)	0/50 (0%)	1/50 (2%)
POLY-3 RATE (b)	5/43.49	0/45.20	1/42.04
POLY-3 PERCENT (g)	11.5%	0%	2.4%
TERMINAL (d)	3/29 (10%)	0/36 (0%)	0/28 (0%)
FIRST INCIDENCE	528	---	684

STATISTICAL TESTS

POLY 3	P=0.036N*	P=0.027N*	P=0.108N
POLY 1.5	P=0.036N*	P=0.029N*	P=0.109N
POLY 6	P=0.036N*	P=0.025N*	P=0.110N
COCH-ARM / FISHERS	P=0.037N*	P=0.028N*	P=0.102N
MAX-ISO-POLY-3	P=0.015N*	P=0.010N**	P=0.051N

TDMS No. 99023 - 03
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: RATS/F 344

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
 beta-Myrcene
 CAS Number: 123-35-3

Date Report Requested: 08/18/2008
 Time Report Requested: 09:54:07
 First Dose M/F: 03/25/02 / 03/26/02
 Lab: BAT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(F 344)
 TERMINAL SACRIFICE AT 105 WEEKS**

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

**Lung: Alveolar Epithelium
 Hyperplasia**

LESION RATES

OVERALL (a)	9/50 (18%)	9/50 (18%)	2/50 (4%)
POLY-3 RATE (b)	9/43.45	9/45.20	2/42.31
POLY-3 PERCENT (g)	20.7%	19.9%	4.7%
TERMINAL (d)	5/29 (17%)	9/36 (25%)	0/28 (0%)
FIRST INCIDENCE	667	729 (T)	666

STATISTICAL TESTS

POLY 3	P=0.029N*	P=0.567N	P=0.027N*
POLY 1.5	P=0.030N*	P=0.584N	P=0.028N*
POLY 6	P=0.029N*	P=0.548N	P=0.027N*
COCH-ARM / FISHERS	P=0.028N*	P=0.602N	P=0.026N*
MAX-ISO-POLY-3	P=0.027N*	P=0.462N	P=0.013N*

TDMS No. 99023 - 03
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: RATS/F 344

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
beta-Myrcene
CAS Number: 123-35-3

Date Report Requested: 08/18/2008
Time Report Requested: 09:54:07
First Dose M/F: 03/25/02 / 03/26/02
Lab: BAT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(F 344)
TERMINAL SACRIFICE AT 105 WEEKS**

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

**Lymph Node: Mediastinal
Hyperplasia Lymphoid**

LESION RATES

OVERALL (a)	0/3 (0%)	2/5 (40%)	0/6 (0%)
POLY-3 RATE (b)	0/2.98	2/4.83	0/5.83
POLY-3 PERCENT (g)	0%	41.4%	0%
TERMINAL (d)	0/2 (0%)	2/4 (50%)	0/5 (0%)
FIRST INCIDENCE	---	729 (T)	---

STATISTICAL TESTS

POLY 3	P=0.546N	P=0.331	(e)
POLY 1.5	P=0.538N	P=0.336	(e)
POLY 6	P=0.559N	P=0.323	(e)
COCH-ARM / FISHERS	P=0.528N	P=0.357	(e)
MAX-ISO-POLY-3	P=0.238N	P=0.127	(e)

TDMS No. 99023 - 03
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: RATS/F 344

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
 beta-Myrcene
 CAS Number: 123-35-3

Date Report Requested: 08/18/2008
 Time Report Requested: 09:54:07
 First Dose M/F: 03/25/02 / 03/26/02
 Lab: BAT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(F 344)
 TERMINAL SACRIFICE AT 105 WEEKS**

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

**Mammary Gland
 Cyst**

LESION RATES

OVERALL (a)	0/50 (0%)	0/50 (0%)	1/49 (2%)
POLY-3 RATE (b)	0/42.71	0/45.20	1/40.86
POLY-3 PERCENT (g)	0%	0%	2.5%
TERMINAL (d)	0/29 (0%)	0/36 (0%)	1/27 (4%)
FIRST INCIDENCE	---	---	729 (T)

STATISTICAL TESTS

POLY 3	P=0.268	(e)	P=0.491
POLY 1.5	P=0.268	(e)	P=0.490
POLY 6	P=0.269	(e)	P=0.490
COCH-ARM / FISHERS	P=0.266	(e)	P=0.495
MAX-ISO-POLY-3	P=0.149	(e)	P=0.157

TDMS No. 99023 - 03
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: RATS/F 344

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
beta-Myrcene
CAS Number: 123-35-3

Date Report Requested: 08/18/2008
Time Report Requested: 09:54:07
First Dose M/F: 03/25/02 / 03/26/02
Lab: BAT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(F 344)
TERMINAL SACRIFICE AT 105 WEEKS**

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

Mesentery: Fat
Necrosis

LESION RATES

OVERALL (a)	12/13 (92%)	7/8 (88%)	4/5 (80%)
POLY-3 RATE (b)	12/12.38	7/7.72	4/4.76
POLY-3 PERCENT (g)	96.9%	90.7%	84%
TERMINAL (d)	5/5 (100%)	7/7 (100%)	2/2 (100%)
FIRST INCIDENCE	536	729 (T)	604

.....
STATISTICAL TESTS

POLY 3	P=0.303N	P=0.694N	P=0.557N
POLY 1.5	P=0.329N	P=0.661N	P=0.535N
POLY 6	P=0.306N	P=0.815N	P=0.669N
COCH-ARM / FISHERS	P=0.368N	P=0.629N	P=0.490N
MAX-ISO-POLY-3	P=0.264N	P=0.255N	P=0.167N

.....

TDMS No. 99023 - 03
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: RATS/F 344

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
 beta-Myrcene
 CAS Number: 123-35-3

Date Report Requested: 08/18/2008
 Time Report Requested: 09:54:07
 First Dose M/F: 03/25/02 / 03/26/02
 Lab: BAT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(F 344)
 TERMINAL SACRIFICE AT 105 WEEKS**

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

**Nose
 Inflammation Chronic**

LESION RATES

OVERALL (a)	14/50 (28%)	19/50 (38%)	27/50 (54%)
POLY-3 RATE (b)	14/43.17	19/46.50	27/45.03
POLY-3 PERCENT (g)	32.4%	40.9%	60%
TERMINAL (d)	11/29 (38%)	15/36 (42%)	16/28 (57%)
FIRST INCIDENCE	667	261	449

STATISTICAL TESTS

POLY 3	P=0.005**	P=0.270	P=0.006**
POLY 1.5	P=0.004**	P=0.239	P=0.005**
POLY 6	P=0.007**	P=0.311	P=0.009**
COCH-ARM / FISHERS	P=0.005**	P=0.198	P=0.007**
MAX-ISO-POLY-3	P=0.006**	P=0.211	P=0.004**

TDMS No. 99023 - 03
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: RATS/F 344

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
beta-Myrcene
CAS Number: 123-35-3

Date Report Requested: 08/18/2008
Time Report Requested: 09:54:07
First Dose M/F: 03/25/02 / 03/26/02
Lab: BAT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(F 344)
TERMINAL SACRIFICE AT 105 WEEKS**

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

**Nose: Olfactory Epithelium
Degeneration**

LESION RATES

OVERALL (a)	45/50 (90%)	49/50 (98%)	47/50 (94%)
POLY-3 RATE (b)	45/49.20	49/49.43	47/48.00
POLY-3 PERCENT (g)	91.5%	99.1%	97.9%
TERMINAL (d)	25/29 (86%)	36/36 (100%)	27/28 (96%)
FIRST INCIDENCE	474	261	449

STATISTICAL TESTS

POLY 3	P=0.071	P=0.081	P=0.164
POLY 1.5	P=0.063	P=0.089	P=0.143
POLY 6	P=0.080	P=0.071	P=0.181
COCH-ARM / FISHERS	P=0.264	P=0.102	P=0.357
MAX-ISO-POLY-3	P=0.040*	P=0.029*	P=0.078

TDMS No. 99023 - 03
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: RATS/F 344

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
beta-Myrcene
CAS Number: 123-35-3

Date Report Requested: 08/18/2008
Time Report Requested: 09:54:07
First Dose M/F: 03/25/02 / 03/26/02
Lab: BAT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(F 344)
TERMINAL SACRIFICE AT 105 WEEKS**

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

**Pancreas: Acinus
Atrophy**

LESION RATES

OVERALL (a)	9/50 (18%)	14/50 (28%)	11/50 (22%)
POLY-3 RATE (b)	9/44.77	14/46.25	11/42.73
POLY-3 PERCENT (g)	20.1%	30.3%	25.8%
TERMINAL (d)	5/29 (17%)	12/36 (33%)	7/28 (25%)
FIRST INCIDENCE	429	261	666

STATISTICAL TESTS

POLY 3	P=0.307	P=0.190	P=0.354
POLY 1.5	P=0.312	P=0.182	P=0.359
POLY 6	P=0.300	P=0.201	P=0.347
COCH-ARM / FISHERS	P=0.360	P=0.171	P=0.402
MAX-ISO-POLY-3	P=0.282	P=0.135	P=0.270

TDMS No. 99023 - 03
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: RATS/F 344

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
 beta-Myrcene
 CAS Number: 123-35-3

Date Report Requested: 08/18/2008
 Time Report Requested: 09:54:07
 First Dose M/F: 03/25/02 / 03/26/02
 Lab: BAT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(F 344)
 TERMINAL SACRIFICE AT 105 WEEKS**

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

**Pancreas: Acinus
 Hyperplasia**

LESION RATES

OVERALL (a)	8/50 (16%)	7/50 (14%)	2/50 (4%)
POLY-3 RATE (b)	8/42.92	7/45.20	2/42.51
POLY-3 PERCENT (g)	18.6%	15.5%	4.7%
TERMINAL (d)	7/29 (24%)	7/36 (19%)	0/28 (0%)
FIRST INCIDENCE	674	729 (T)	551

STATISTICAL TESTS

POLY 3	P=0.040N*	P=0.456N	P=0.045N*
POLY 1.5	P=0.043N*	P=0.477N	P=0.048N*
POLY 6	P=0.039N*	P=0.429N	P=0.044N*
COCH-ARM / FISHERS	P=0.041N*	P=0.500N	P=0.046N*
MAX-ISO-POLY-3	P=0.037N*	P=0.350N	P=0.022N*

TDMS No. 99023 - 03
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: RATS/F 344

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
 beta-Myrcene
 CAS Number: 123-35-3

Date Report Requested: 08/18/2008
 Time Report Requested: 09:54:07
 First Dose M/F: 03/25/02 / 03/26/02
 Lab: BAT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(F 344)
 TERMINAL SACRIFICE AT 105 WEEKS**

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

**Pancreas: Duct
 Cyst**

LESION RATES

OVERALL (a)	2/50 (4%)	3/50 (6%)	5/50 (10%)
POLY-3 RATE (b)	2/42.71	3/45.20	5/42.53
POLY-3 PERCENT (g)	4.7%	6.6%	11.8%
TERMINAL (d)	2/29 (7%)	3/36 (8%)	3/28 (11%)
FIRST INCIDENCE	729 (T)	729 (T)	551

STATISTICAL TESTS

POLY 3	P=0.156	P=0.526	P=0.213
POLY 1.5	P=0.153	P=0.513	P=0.209
POLY 6	P=0.158	P=0.542	P=0.216
COCH-ARM / FISHERS	P=0.158	P=0.500	P=0.218
MAX-ISO-POLY-3	P=0.155	P=0.350	P=0.117

TDMS No. 99023 - 03
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: RATS/F 344

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
beta-Myrcene
CAS Number: 123-35-3

Date Report Requested: 08/18/2008
Time Report Requested: 09:54:07
First Dose M/F: 03/25/02 / 03/26/02
Lab: BAT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(F 344)
TERMINAL SACRIFICE AT 105 WEEKS**

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

**Pituitary Gland
Angiectasis**

LESION RATES

OVERALL (a)	8/50 (16%)	8/49 (16%)	9/50 (18%)
POLY-3 RATE (b)	8/42.72	8/44.82	9/42.58
POLY-3 PERCENT (g)	18.7%	17.9%	21.1%
TERMINAL (d)	7/29 (24%)	5/36 (14%)	5/28 (18%)
FIRST INCIDENCE	726	611	648

STATISTICAL TESTS

POLY 3	P=0.443	P=0.567N	P=0.497
POLY 1.5	P=0.432	P=0.595N	P=0.484
POLY 6	P=0.454	P=0.528N	P=0.510
COCH-ARM / FISHERS	P=0.447	P=0.590	P=0.500
MAX-ISO-POLY-3	P=0.508	P=0.458N	P=0.389

TDMS No. 99023 - 03
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: RATS/F 344

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
 beta-Myrcene
 CAS Number: 123-35-3

Date Report Requested: 08/18/2008
 Time Report Requested: 09:54:07
 First Dose M/F: 03/25/02 / 03/26/02
 Lab: BAT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(F 344)
 TERMINAL SACRIFICE AT 105 WEEKS**

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

**Pituitary Gland
 Cyst**

LESION RATES

OVERALL (a)	6/50 (12%)	9/49 (18%)	5/50 (10%)
POLY-3 RATE (b)	6/44.39	9/44.26	5/42.04
POLY-3 PERCENT (g)	13.5%	20.3%	11.9%
TERMINAL (d)	2/29 (7%)	8/36 (22%)	4/28 (14%)
FIRST INCIDENCE	516	726	684

STATISTICAL TESTS

POLY 3	P=0.493N	P=0.284	P=0.538N
POLY 1.5	P=0.485N	P=0.277	P=0.532N
POLY 6	P=0.511N	P=0.293	P=0.552N
COCH-ARM / FISHERS	P=0.442N	P=0.274	P=0.500N
MAX-ISO-POLY-3	P=0.370N	P=0.197	P=0.411N

TDMS No. 99023 - 03
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: RATS/F 344

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
beta-Myrcene
CAS Number: 123-35-3

Date Report Requested: 08/18/2008
Time Report Requested: 09:54:07
First Dose M/F: 03/25/02 / 03/26/02
Lab: BAT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(F 344)
TERMINAL SACRIFICE AT 105 WEEKS**

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

**Pituitary Gland
Fibrosis**

LESION RATES

OVERALL (a)	0/50 (0%)	0/49 (0%)	0/50 (0%)
POLY-3 RATE (b)	0/42.71	0/44.25	0/41.86
POLY-3 PERCENT (g)	0%	0%	0%
TERMINAL (d)	0/29 (0%)	0/36 (0%)	0/28 (0%)
FIRST INCIDENCE	---	---	---

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)

TDMS No. 99023 - 03
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: RATS/F 344

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
 beta-Myrcene
 CAS Number: 123-35-3

Date Report Requested: 08/18/2008
 Time Report Requested: 09:54:07
 First Dose M/F: 03/25/02 / 03/26/02
 Lab: BAT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(F 344)
 TERMINAL SACRIFICE AT 105 WEEKS**

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

**Pituitary Gland: Pars Distalis
 Hyperplasia**

LESION RATES

OVERALL (a)	15/50 (30%)	11/49 (22%)	10/50 (20%)
POLY-3 RATE (b)	15/44.60	11/44.35	10/42.23
POLY-3 PERCENT (g)	33.6%	24.8%	23.7%
TERMINAL (d)	7/29 (24%)	10/36 (28%)	7/28 (25%)
FIRST INCIDENCE	474	704	666

STATISTICAL TESTS

POLY 3	P=0.177N	P=0.247N	P=0.214N
POLY 1.5	P=0.173N	P=0.257N	P=0.209N
POLY 6	P=0.189N	P=0.235N	P=0.231N
COCH-ARM / FISHERS	P=0.147N	P=0.266N	P=0.178N
MAX-ISO-POLY-3	P=0.218N	P=0.180N	P=0.158N

TDMS No. 99023 - 03
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: RATS/F 344

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
 beta-Myrcene
 CAS Number: 123-35-3

Date Report Requested: 08/18/2008
 Time Report Requested: 09:54:07
 First Dose M/F: 03/25/02 / 03/26/02
 Lab: BAT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(F 344)
 TERMINAL SACRIFICE AT 105 WEEKS**

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

**Preputial Gland
 Hyperplasia**

LESION RATES

OVERALL (a)	1/50 (2%)	2/50 (4%)	0/50 (0%)
POLY-3 RATE (b)	1/42.71	2/45.37	0/41.86
POLY-3 PERCENT (g)	2.3%	4.4%	0%
TERMINAL (d)	1/29 (3%)	1/36 (3%)	0/28 (0%)
FIRST INCIDENCE	729 (T)	684	---

STATISTICAL TESTS

POLY 3	P=0.370N	P=0.521	P=0.504N
POLY 1.5	P=0.373N	P=0.511	P=0.505N
POLY 6	P=0.371N	P=0.535	P=0.504N
COCH-ARM / FISHERS	P=0.360N	P=0.500	P=0.500N
MAX-ISO-POLY-3	P=0.215N	P=0.303	P=0.163N

TDMS No. 99023 - 03
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: RATS/F 344

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
 beta-Myrcene
 CAS Number: 123-35-3

Date Report Requested: 08/18/2008
 Time Report Requested: 09:54:07
 First Dose M/F: 03/25/02 / 03/26/02
 Lab: BAT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(F 344)
 TERMINAL SACRIFICE AT 105 WEEKS**

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

**Preputial Gland
 Inflammation Chronic**

LESION RATES

OVERALL (a)	42/50 (84%)	44/50 (88%)	43/50 (86%)
POLY-3 RATE (b)	42/47.40	44/46.86	43/47.36
POLY-3 PERCENT (g)	88.6%	93.9%	90.8%
TERMINAL (d)	27/29 (93%)	35/36 (97%)	25/28 (89%)
FIRST INCIDENCE	474	544	449

STATISTICAL TESTS

POLY 3	P=0.416	P=0.269	P=0.495
POLY 1.5	P=0.339	P=0.301	P=0.414
POLY 6	P=0.515	P=0.249	P=0.587
COCH-ARM / FISHERS	P=0.443	P=0.387	P=0.500
MAX-ISO-POLY-3	P=0.337	P=0.153	P=0.353

TDMS No. 99023 - 03
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: RATS/F 344

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
 beta-Myrcene
 CAS Number: 123-35-3

Date Report Requested: 08/18/2008
 Time Report Requested: 09:54:07
 First Dose M/F: 03/25/02 / 03/26/02
 Lab: BAT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(F 344)
 TERMINAL SACRIFICE AT 105 WEEKS**

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

**Prostate
 Hyperplasia**

LESION RATES

OVERALL (a)	7/50 (14%)	3/50 (6%)	6/50 (12%)
POLY-3 RATE (b)	7/43.00	3/45.37	6/42.53
POLY-3 PERCENT (g)	16.3%	6.6%	14.1%
TERMINAL (d)	5/29 (17%)	2/36 (6%)	4/28 (14%)
FIRST INCIDENCE	667	684	604

STATISTICAL TESTS

POLY 3	P=0.441N	P=0.135N	P=0.509N
POLY 1.5	P=0.447N	P=0.146N	P=0.516N
POLY 6	P=0.438N	P=0.122N	P=0.505N
COCH-ARM / FISHERS	P=0.436N	P=0.159N	P=0.500N
MAX-ISO-POLY-3	P=0.279N	P=0.080N	P=0.389N

TDMS No. 99023 - 03
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: RATS/F 344

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
 beta-Myrcene
 CAS Number: 123-35-3

Date Report Requested: 08/18/2008
 Time Report Requested: 09:54:07
 First Dose M/F: 03/25/02 / 03/26/02
 Lab: BAT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(F 344)
 TERMINAL SACRIFICE AT 105 WEEKS**

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

**Prostate
 Inflammation Chronic**

LESION RATES

OVERALL (a)	5/50 (10%)	6/50 (12%)	8/50 (16%)
POLY-3 RATE (b)	5/43.98	6/45.58	8/44.22
POLY-3 PERCENT (g)	11.4%	13.2%	18.1%
TERMINAL (d)	2/29 (7%)	4/36 (11%)	3/28 (11%)
FIRST INCIDENCE	528	652	449

STATISTICAL TESTS

POLY 3	P=0.228	P=0.525	P=0.278
POLY 1.5	P=0.221	P=0.512	P=0.269
POLY 6	P=0.232	P=0.543	P=0.283
COCH-ARM / FISHERS	P=0.226	P=0.500	P=0.277
MAX-ISO-POLY-3	P=0.258	P=0.398	P=0.188

TDMS No. 99023 - 03
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: RATS/F 344

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
 beta-Myrcene
 CAS Number: 123-35-3

Date Report Requested: 08/18/2008
 Time Report Requested: 09:54:07
 First Dose M/F: 03/25/02 / 03/26/02
 Lab: BAT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(F 344)
 TERMINAL SACRIFICE AT 105 WEEKS**

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

**Spleen
 Atrophy**

LESION RATES

OVERALL (a)	1/50 (2%)	2/50 (4%)	6/50 (12%)
POLY-3 RATE (b)	1/43.33	2/46.22	6/42.88
POLY-3 PERCENT (g)	2.3%	4.3%	14%
TERMINAL (d)	0/29 (0%)	0/36 (0%)	1/28 (4%)
FIRST INCIDENCE	528	261	551

STATISTICAL TESTS

POLY 3	P=0.027*	P=0.522	P=0.053
POLY 1.5	P=0.026*	P=0.513	P=0.052
POLY 6	P=0.027*	P=0.534	P=0.054
COCH-ARM / FISHERS	P=0.029*	P=0.500	P=0.056
MAX-ISO-POLY-3	P=0.020*	P=0.305	P=0.023*

TDMS No. 99023 - 03
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: RATS/F 344

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
beta-Myrcene
CAS Number: 123-35-3

Date Report Requested: 08/18/2008
Time Report Requested: 09:54:07
First Dose M/F: 03/25/02 / 03/26/02
Lab: BAT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(F 344)
TERMINAL SACRIFICE AT 105 WEEKS**

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

**Spleen
Congestion**

LESION RATES

OVERALL (a)	0/50 (0%)	0/50 (0%)	2/50 (4%)
POLY-3 RATE (b)	0/42.71	0/45.20	2/42.67
POLY-3 PERCENT (g)	0%	0%	4.7%
TERMINAL (d)	0/29 (0%)	0/36 (0%)	0/28 (0%)
FIRST INCIDENCE	---	---	549

STATISTICAL TESTS

POLY 3	P=0.094	(e)	P=0.237
POLY 1.5	P=0.094	(e)	P=0.234
POLY 6	P=0.095	(e)	P=0.239
COCH-ARM / FISHERS	P=0.095	(e)	P=0.247
MAX-ISO-POLY-3	P=0.052	(e)	P=0.076

TDMS No. 99023 - 03
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: RATS/F 344

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
 beta-Myrcene
 CAS Number: 123-35-3

Date Report Requested: 08/18/2008
 Time Report Requested: 09:54:07
 First Dose M/F: 03/25/02 / 03/26/02
 Lab: BAT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(F 344)
 TERMINAL SACRIFICE AT 105 WEEKS**

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

**Spleen
 Fibrosis**

LESION RATES

OVERALL (a)	3/50 (6%)	0/50 (0%)	0/50 (0%)
POLY-3 RATE (b)	3/43.49	0/45.20	0/41.86
POLY-3 PERCENT (g)	6.9%	0%	0%
TERMINAL (d)	1/29 (3%)	0/36 (0%)	0/28 (0%)
FIRST INCIDENCE	536	---	---

STATISTICAL TESTS

POLY 3	P=0.037N*	P=0.112N	P=0.125N
POLY 1.5	P=0.037N*	P=0.115N	P=0.125N
POLY 6	P=0.037N*	P=0.107N	P=0.127N
COCH-ARM / FISHERS	P=0.037N*	P=0.121N	P=0.121N
MAX-ISO-POLY-3	P=0.023N*	P=0.038N*	P=0.043N*

TDMS No. 99023 - 03
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: RATS/F 344

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
beta-Myrcene
CAS Number: 123-35-3

Date Report Requested: 08/18/2008
Time Report Requested: 09:54:07
First Dose M/F: 03/25/02 / 03/26/02
Lab: BAT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(F 344)
TERMINAL SACRIFICE AT 105 WEEKS**

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

**Spleen
Hematopoietic Cell Proliferation**

LESION RATES

OVERALL (a)	8/50 (16%)	6/50 (12%)	4/50 (8%)
POLY-3 RATE (b)	8/45.23	6/46.11	4/43.56
POLY-3 PERCENT (g)	17.7%	13%	9.2%
TERMINAL (d)	1/29 (3%)	4/36 (11%)	0/28 (0%)
FIRST INCIDENCE	429	578	486

STATISTICAL TESTS

POLY 3	P=0.156N	P=0.371N	P=0.194N
POLY 1.5	P=0.156N	P=0.381N	P=0.195N
POLY 6	P=0.159N	P=0.359N	P=0.199N
COCH-ARM / FISHERS	P=0.141N	P=0.387N	P=0.178N
MAX-ISO-POLY-3	P=0.173N	P=0.271N	P=0.125N

TDMS No. 99023 - 03
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: RATS/F 344

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
 beta-Myrcene
 CAS Number: 123-35-3

Date Report Requested: 08/18/2008
 Time Report Requested: 09:54:07
 First Dose M/F: 03/25/02 / 03/26/02
 Lab: BAT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(F 344)
 TERMINAL SACRIFICE AT 105 WEEKS**

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

**Stomach, Forestomach
 Inflammation Chronic**

LESION RATES

OVERALL (a)	5/50 (10%)	3/50 (6%)	12/50 (24%)
POLY-3 RATE (b)	5/45.46	3/45.63	12/43.72
POLY-3 PERCENT (g)	11%	6.6%	27.5%
TERMINAL (d)	0/29 (0%)	0/36 (0%)	4/28 (14%)
FIRST INCIDENCE	429	652	551

STATISTICAL TESTS

POLY 3	P=0.021*	P=0.354N	P=0.041*
POLY 1.5	P=0.022*	P=0.358N	P=0.042*
POLY 6	P=0.021*	P=0.344N	P=0.041*
COCH-ARM / FISHERS	P=0.028*	P=0.357N	P=0.054
MAX-ISO-POLY-3	P=0.008**	P=0.230N	P=0.024*

TDMS No. 99023 - 03
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: RATS/F 344

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
 beta-Myrcene
 CAS Number: 123-35-3

Date Report Requested: 08/18/2008
 Time Report Requested: 09:54:07
 First Dose M/F: 03/25/02 / 03/26/02
 Lab: BAT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(F 344)
 TERMINAL SACRIFICE AT 105 WEEKS**

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

**Stomach, Forestomach
 Ulcer**

LESION RATES

OVERALL (a)	2/50 (4%)	2/50 (4%)	5/50 (10%)
POLY-3 RATE (b)	2/43.93	2/45.35	5/42.20
POLY-3 PERCENT (g)	4.6%	4.4%	11.9%
TERMINAL (d)	0/29 (0%)	0/36 (0%)	2/28 (7%)
FIRST INCIDENCE	528	704	684

STATISTICAL TESTS

POLY 3	P=0.137	P=0.683N	P=0.199
POLY 1.5	P=0.138	P=0.688N	P=0.201
POLY 6	P=0.136	P=0.673N	P=0.195
COCH-ARM / FISHERS	P=0.146	P=0.691N	P=0.218
MAX-ISO-POLY-3	P=0.129	P=0.487N	P=0.112

TDMS No. 99023 - 03
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: RATS/F 344

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
beta-Myrcene
CAS Number: 123-35-3

Date Report Requested: 08/18/2008
Time Report Requested: 09:54:07
First Dose M/F: 03/25/02 / 03/26/02
Lab: BAT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(F 344)
TERMINAL SACRIFICE AT 105 WEEKS**

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

**Stomach, Glandular
Inflammation Chronic**

LESION RATES

OVERALL (a)	3/50 (6%)	7/50 (14%)	2/50 (4%)
POLY-3 RATE (b)	3/43.41	7/45.66	2/42.26
POLY-3 PERCENT (g)	6.9%	15.3%	4.7%
TERMINAL (d)	1/29 (3%)	5/36 (14%)	0/28 (0%)
FIRST INCIDENCE	528	652	648

STATISTICAL TESTS

POLY 3	P=0.449N	P=0.178	P=0.512N
POLY 1.5	P=0.452N	P=0.168	P=0.514N
POLY 6	P=0.450N	P=0.193	P=0.513N
COCH-ARM / FISHERS	P=0.427N	P=0.159	P=0.500N
MAX-ISO-POLY-3	P=0.213N	P=0.109	P=0.336N

TDMS No. 99023 - 03
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: RATS/F 344

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
 beta-Myrcene
 CAS Number: 123-35-3

Date Report Requested: 08/18/2008
 Time Report Requested: 09:54:07
 First Dose M/F: 03/25/02 / 03/26/02
 Lab: BAT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(F 344)
 TERMINAL SACRIFICE AT 105 WEEKS**

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

**Stomach, Glandular
 Mineralization**

LESION RATES

OVERALL (a)	1/50 (2%)	0/50 (0%)	1/50 (2%)
POLY-3 RATE (b)	1/43.33	0/45.20	1/42.10
POLY-3 PERCENT (g)	2.3%	0%	2.4%
TERMINAL (d)	0/29 (0%)	0/36 (0%)	0/28 (0%)
FIRST INCIDENCE	528	---	666

STATISTICAL TESTS

POLY 3	P=0.668	P=0.492N	P=0.754
POLY 1.5	P=0.667	P=0.496N	P=0.754
POLY 6	P=0.668	P=0.486N	P=0.754
COCH-ARM / FISHERS	P=0.669	P=0.500N	P=0.753N
MAX-ISO-POLY-3	P=0.448	P=0.158N	P=0.491

TDMS No. 99023 - 03
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: RATS/F 344

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
beta-Myrcene
CAS Number: 123-35-3

Date Report Requested: 08/18/2008
Time Report Requested: 09:54:07
First Dose M/F: 03/25/02 / 03/26/02
Lab: BAT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(F 344)
TERMINAL SACRIFICE AT 105 WEEKS**

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

**Stomach, Glandular
Ulcer**

LESION RATES

OVERALL (a)	1/50 (2%)	2/50 (4%)	1/50 (2%)
POLY-3 RATE (b)	1/43.13	2/45.49	1/41.96
POLY-3 PERCENT (g)	2.3%	4.4%	2.4%
TERMINAL (d)	0/29 (0%)	0/36 (0%)	0/28 (0%)
FIRST INCIDENCE	607	652	704

STATISTICAL TESTS

POLY 3	P=0.612	P=0.519	P=0.755
POLY 1.5	P=0.611	P=0.510	P=0.754
POLY 6	P=0.611	P=0.531	P=0.754
COCH-ARM / FISHERS	P=0.622	P=0.500	P=0.753N
MAX-ISO-POLY-3	P=0.528	P=0.301	P=0.491

TDMS No. 99023 - 03
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: RATS/F 344

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
 beta-Myrcene
 CAS Number: 123-35-3

Date Report Requested: 08/18/2008
 Time Report Requested: 09:54:07
 First Dose M/F: 03/25/02 / 03/26/02
 Lab: BAT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(F 344)
 TERMINAL SACRIFICE AT 105 WEEKS**

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

**Stomach, Glandular: Epithelium
 Ectasia**

LESION RATES

OVERALL (a)	14/50 (28%)	27/50 (54%)	33/50 (66%)
POLY-3 RATE (b)	14/43.25	27/45.77	33/44.29
POLY-3 PERCENT (g)	32.4%	59%	74.5%
TERMINAL (d)	11/29 (38%)	23/36 (64%)	24/28 (86%)
FIRST INCIDENCE	674	652	549

STATISTICAL TESTS

POLY 3	P<0.001**	P=0.008**	P<0.001**
POLY 1.5	P<0.001**	P=0.007**	P<0.001**
POLY 6	P<0.001**	P=0.011*	P<0.001**
COCH-ARM / FISHERS	P<0.001**	P=0.007**	P<0.001**
MAX-ISO-POLY-3	P<0.001**	P=0.005**	P<0.001**

TDMS No. 99023 - 03
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: RATS/F 344

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
 beta-Myrcene
 CAS Number: 123-35-3

Date Report Requested: 08/18/2008
 Time Report Requested: 09:54:07
 First Dose M/F: 03/25/02 / 03/26/02
 Lab: BAT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(F 344)
 TERMINAL SACRIFICE AT 105 WEEKS**

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

**Stomach, Glandular: Epithelium
 Hyperplasia**

LESION RATES

OVERALL (a)	1/50 (2%)	2/50 (4%)	1/50 (2%)
POLY-3 RATE (b)	1/42.71	2/45.20	1/42.10
POLY-3 PERCENT (g)	2.3%	4.4%	2.4%
TERMINAL (d)	1/29 (3%)	2/36 (6%)	0/28 (0%)
FIRST INCIDENCE	729 (T)	729 (T)	666

STATISTICAL TESTS

POLY 3	P=0.617	P=0.520	P=0.758
POLY 1.5	P=0.614	P=0.510	P=0.756
POLY 6	P=0.618	P=0.532	P=0.759
COCH-ARM / FISHERS	P=0.622	P=0.500	P=0.753N
MAX-ISO-POLY-3	P=0.530	P=0.302	P=0.495

TDMS No. 99023 - 03
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: RATS/F 344

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
beta-Myrcene
CAS Number: 123-35-3

Date Report Requested: 08/18/2008
Time Report Requested: 09:54:07
First Dose M/F: 03/25/02 / 03/26/02
Lab: BAT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(F 344)
TERMINAL SACRIFICE AT 105 WEEKS**

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

Testes: Interstitial Cell
Hyperplasia

LESION RATES

OVERALL (a)	6/50 (12%)	2/50 (4%)	2/50 (4%)
POLY-3 RATE (b)	6/44.29	2/45.20	2/41.86
POLY-3 PERCENT (g)	13.6%	4.4%	4.8%
TERMINAL (d)	3/29 (10%)	2/36 (6%)	2/28 (7%)
FIRST INCIDENCE	474	729 (T)	729 (T)

STATISTICAL TESTS

POLY 3	P=0.088N	P=0.126N	P=0.151N
POLY 1.5	P=0.087N	P=0.130N	P=0.148N
POLY 6	P=0.091N	P=0.119N	P=0.157N
COCH-ARM / FISHERS	P=0.080N	P=0.134N	P=0.134N
MAX-ISO-POLY-3	P=0.087N	P=0.066N	P=0.086N

TDMS No. 99023 - 03
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: RATS/F 344

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
beta-Myrcene
CAS Number: 123-35-3

Date Report Requested: 08/18/2008
Time Report Requested: 09:54:07
First Dose M/F: 03/25/02 / 03/26/02
Lab: BAT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(F 344)
TERMINAL SACRIFICE AT 105 WEEKS**

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

**Thymus
Atrophy**

LESION RATES

OVERALL (a)	40/47 (85%)	42/50 (84%)	43/48 (90%)
POLY-3 RATE (b)	40/45.89	42/49.42	43/45.06
POLY-3 PERCENT (g)	87.2%	85%	95.4%
TERMINAL (d)	25/29 (86%)	29/36 (81%)	26/27 (96%)
FIRST INCIDENCE	429	261	449

STATISTICAL TESTS

POLY 3	P=0.135	P=0.496N	P=0.139
POLY 1.5	P=0.138	P=0.521N	P=0.147
POLY 6	P=0.138	P=0.460N	P=0.138
COCH-ARM / FISHERS	P=0.313	P=0.552N	P=0.364
MAX-ISO-POLY-3	P=0.098	P=0.379N	P=0.072

TDMS No. 99023 - 03
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: RATS/F 344

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
beta-Myrcene
CAS Number: 123-35-3

Date Report Requested: 08/18/2008
Time Report Requested: 09:54:07
First Dose M/F: 03/25/02 / 03/26/02
Lab: BAT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(F 344)
TERMINAL SACRIFICE AT 105 WEEKS**

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

**Thyroid Gland: C-Cell
Hyperplasia**

LESION RATES

OVERALL (a)	20/50 (40%)	18/50 (36%)	15/50 (30%)
POLY-3 RATE (b)	20/44.46	18/46.22	15/42.78
POLY-3 PERCENT (g)	45%	38.9%	35.1%
TERMINAL (d)	14/29 (48%)	14/36 (39%)	8/28 (29%)
FIRST INCIDENCE	474	578	666

STATISTICAL TESTS

POLY 3	P=0.201N	P=0.355N	P=0.230N
POLY 1.5	P=0.205N	P=0.387N	P=0.235N
POLY 6	P=0.198N	P=0.309N	P=0.228N
COCH-ARM / FISHERS	P=0.173N	P=0.418N	P=0.201N
MAX-ISO-POLY-3	P=0.246N	P=0.283N	P=0.174N

TDMS No. 99023 - 03
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: RATS/F 344

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
beta-Myrcene
CAS Number: 123-35-3

Date Report Requested: 08/18/2008
Time Report Requested: 09:54:07
First Dose M/F: 03/25/02 / 03/26/02
Lab: BAT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(F 344)
TERMINAL SACRIFICE AT 105 WEEKS**

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

**Thyroid Gland: Follicle
Hyperplasia**

LESION RATES

OVERALL (a)	4/50 (8%)	2/50 (4%)	3/50 (6%)
POLY-3 RATE (b)	4/43.44	2/45.20	3/42.43
POLY-3 PERCENT (g)	9.2%	4.4%	7.1%
TERMINAL (d)	3/29 (10%)	2/36 (6%)	2/28 (7%)
FIRST INCIDENCE	474	729 (T)	551

STATISTICAL TESTS

POLY 3	P=0.427N	P=0.319N	P=0.513N
POLY 1.5	P=0.429N	P=0.328N	P=0.516N
POLY 6	P=0.426N	P=0.305N	P=0.513N
COCH-ARM / FISHERS	P=0.417N	P=0.339N	P=0.500N
MAX-ISO-POLY-3	P=0.371N	P=0.191N	P=0.360N

TDMS No. 99023 - 03
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: RATS/F 344

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
 beta-Myrcene
 CAS Number: 123-35-3

Date Report Requested: 08/18/2008
 Time Report Requested: 09:54:07
 First Dose M/F: 03/25/02 / 03/26/02
 Lab: BAT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(F 344)
 TERMINAL SACRIFICE AT 105 WEEKS**

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

**Urinary Bladder
 Inflammation**

LESION RATES

OVERALL (a)	0/50 (0%)	0/50 (0%)	0/50 (0%)
POLY-3 RATE (b)	0/42.71	0/45.20	0/41.86
POLY-3 PERCENT (g)	0%	0%	0%
TERMINAL (d)	0/29 (0%)	0/36 (0%)	0/28 (0%)
FIRST INCIDENCE	---	---	---

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)

TDMS No. 99023 - 03
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: RATS/F 344

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
 beta-Myrcene
 CAS Number: 123-35-3

Date Report Requested: 08/18/2008
 Time Report Requested: 09:54:07
 First Dose M/F: 03/25/02 / 03/26/02
 Lab: BAT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(F 344)
 TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Females			
	0 G/KG	0.25 G/KG	0.5 G/KG	1.0 G/KG

**Adrenal Cortex
 Hyperplasia**

LESION RATES

OVERALL (a)	10/50 (20%)	10/50 (20%)	12/50 (24%)	8/50 (16%)
POLY-3 RATE (b)	10/41.69	10/43.18	12/39.36	8/42.42
POLY-3 PERCENT (g)	24%	23.2%	30.5%	18.9%
TERMINAL (d)	9/31 (29%)	7/33 (21%)	12/28 (43%)	6/33 (18%)
FIRST INCIDENCE	619	476	730 (T)	578

STATISTICAL TESTS

POLY 3	P=0.354N	P=0.566N	P=0.341	P=0.379N
POLY 1.5	P=0.377N	P=0.586N	P=0.363	P=0.405N
POLY 6	P=0.329N	P=0.543N	P=0.315	P=0.351N
COCH-ARM / FISHERS	P=0.360N	P=0.598N	P=0.405	P=0.398N
MAX-ISO-POLY-3	P=0.371N	P=0.464N	P=0.260	P=0.286N

TDMS No. 99023 - 03
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: RATS/F 344

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
 beta-Myrcene
 CAS Number: 123-35-3

Date Report Requested: 08/18/2008
 Time Report Requested: 09:54:07
 First Dose M/F: 03/25/02 / 03/26/02
 Lab: BAT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(F 344)
 TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Females			
	0 G/KG	0.25 G/KG	0.5 G/KG	1.0 G/KG

**Adrenal Cortex
 Necrosis**

LESION RATES

OVERALL (a)	0/50 (0%)	0/50 (0%)	1/50 (2%)	0/50 (0%)
POLY-3 RATE (b)	0/41.30	0/41.64	1/39.70	0/41.89
POLY-3 PERCENT (g)	0%	0%	2.5%	0%
TERMINAL (d)	0/31 (0%)	0/33 (0%)	0/28 (0%)	0/33 (0%)
FIRST INCIDENCE	---	---	637	---

STATISTICAL TESTS

POLY 3	P=0.702	(e)	P=0.492	(e)
POLY 1.5	P=0.691	(e)	P=0.494	(e)
POLY 6	P=0.713	(e)	P=0.490	(e)
COCH-ARM / FISHERS	P=0.694	(e)	P=0.500	(e)
MAX-ISO-POLY-3	P=0.383	(e)	P=0.158	(e)

TDMS No. 99023 - 03
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: RATS/F 344

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
 beta-Myrcene
 CAS Number: 123-35-3

Date Report Requested: 08/18/2008
 Time Report Requested: 09:54:07
 First Dose M/F: 03/25/02 / 03/26/02
 Lab: BAT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(F 344)
 TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Females			
	0 G/KG	0.25 G/KG	0.5 G/KG	1.0 G/KG

**Adrenal Cortex
 Vacuolization Cytoplasmic**

LESION RATES

OVERALL (a)	17/50 (34%)	14/50 (28%)	14/50 (28%)	16/50 (32%)
POLY-3 RATE (b)	17/42.52	14/43.69	14/40.88	16/43.16
POLY-3 PERCENT (g)	40%	32.1%	34.2%	37.1%
TERMINAL (d)	15/31 (48%)	9/33 (27%)	9/28 (32%)	13/33 (39%)
FIRST INCIDENCE	330	476	556	560

STATISTICAL TESTS

POLY 3	P=0.512N	P=0.292N	P=0.375N	P=0.478N
POLY 1.5	P=0.540N	P=0.321N	P=0.368N	P=0.521N
POLY 6	P=0.475N	P=0.253N	P=0.370N	P=0.422N
COCH-ARM / FISHERS	P=0.510N	P=0.333N	P=0.333N	P=0.500N
MAX-ISO-POLY-3	P=0.474N	P=0.223N	P=0.296N	P=0.389N

TDMS No. 99023 - 03
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: RATS/F 344

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
 beta-Myrcene
 CAS Number: 123-35-3

Date Report Requested: 08/18/2008
 Time Report Requested: 09:54:07
 First Dose M/F: 03/25/02 / 03/26/02
 Lab: BAT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(F 344)
 TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Females			
	0 G/KG	0.25 G/KG	0.5 G/KG	1.0 G/KG

**Adrenal Medulla
 Hyperplasia**

LESION RATES

OVERALL (a)	3/50 (6%)	1/50 (2%)	4/50 (8%)	1/50 (2%)
POLY-3 RATE (b)	3/42.59	1/41.64	4/40.03	1/41.89
POLY-3 PERCENT (g)	7%	2.4%	10%	2.4%
TERMINAL (d)	1/31 (3%)	1/33 (3%)	2/28 (7%)	1/33 (3%)
FIRST INCIDENCE	346	730 (T)	556	730 (T)

STATISTICAL TESTS

POLY 3	P=0.347N	P=0.313N	P=0.466	P=0.311N
POLY 1.5	P=0.355N	P=0.313N	P=0.476	P=0.317N
POLY 6	P=0.338N	P=0.312N	P=0.458	P=0.304N
COCH-ARM / FISHERS	P=0.343N	P=0.309N	P=0.500	P=0.309N
MAX-ISO-POLY-3	P=0.278N	P=0.162N	P=0.321	P=0.160N

TDMS No. 99023 - 03
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: RATS/F 344

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
 beta-Myrcene
 CAS Number: 123-35-3

Date Report Requested: 08/18/2008
 Time Report Requested: 09:54:07
 First Dose M/F: 03/25/02 / 03/26/02
 Lab: BAT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(F 344)
 TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Females			
	0 G/KG	0.25 G/KG	0.5 G/KG	1.0 G/KG

**Bone Marrow
 Hyperplasia**

LESION RATES

OVERALL (a)	3/50 (6%)	1/50 (2%)	2/50 (4%)	1/50 (2%)
POLY-3 RATE (b)	3/43.46	1/41.85	2/40.86	1/42.89
POLY-3 PERCENT (g)	6.9%	2.4%	4.9%	2.3%
TERMINAL (d)	0/31 (0%)	0/33 (0%)	0/28 (0%)	0/33 (0%)
FIRST INCIDENCE	291	673	283	9

STATISTICAL TESTS

POLY 3	P=0.279N	P=0.319N	P=0.528N	P=0.310N
POLY 1.5	P=0.283N	P=0.318N	P=0.520N	P=0.314N
POLY 6	P=0.275N	P=0.317N	P=0.536N	P=0.303N
COCH-ARM / FISHERS	P=0.279N	P=0.309N	P=0.500N	P=0.309N
MAX-ISO-POLY-3	P=0.231N	P=0.168N	P=0.352N	P=0.159N

TDMS No. 99023 - 03
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: RATS/F 344

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
 beta-Myrcene
 CAS Number: 123-35-3

Date Report Requested: 08/18/2008
 Time Report Requested: 09:54:07
 First Dose M/F: 03/25/02 / 03/26/02
 Lab: BAT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(F 344)
 TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Females			
	0 G/KG	0.25 G/KG	0.5 G/KG	1.0 G/KG

**Brain
 Hydrocephalus**

LESION RATES

OVERALL (a)	3/50 (6%)	4/50 (8%)	6/50 (12%)	2/50 (4%)
POLY-3 RATE (b)	3/42.86	4/42.34	6/40.59	2/42.00
POLY-3 PERCENT (g)	7%	9.5%	14.8%	4.8%
TERMINAL (d)	0/31 (0%)	2/33 (6%)	2/28 (7%)	1/33 (3%)
FIRST INCIDENCE	486	548	595	703

STATISTICAL TESTS

POLY 3	P=0.424N	P=0.493	P=0.214	P=0.509N
POLY 1.5	P=0.433N	P=0.492	P=0.223	P=0.515N
POLY 6	P=0.414N	P=0.496	P=0.208	P=0.502N
COCH-ARM / FISHERS	P=0.410N	P=0.500	P=0.243	P=0.500N
MAX-ISO-POLY-3	P=0.299N	P=0.342	P=0.132	P=0.333N

TDMS No. 99023 - 03
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: RATS/F 344

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
 beta-Myrcene
 CAS Number: 123-35-3

Date Report Requested: 08/18/2008
 Time Report Requested: 09:54:07
 First Dose M/F: 03/25/02 / 03/26/02
 Lab: BAT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(F 344)
 TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Females			
	0 G/KG	0.25 G/KG	0.5 G/KG	1.0 G/KG

Brain: Hypothalamus
 Compression

LESION RATES

OVERALL (a)	4/50 (8%)	4/50 (8%)	8/50 (16%)	5/50 (10%)
POLY-3 RATE (b)	4/43.12	4/42.34	8/40.97	5/42.02
POLY-3 PERCENT (g)	9.3%	9.5%	19.5%	11.9%
TERMINAL (d)	0/31 (0%)	2/33 (6%)	3/28 (11%)	3/33 (9%)
FIRST INCIDENCE	486	548	595	703

STATISTICAL TESTS

POLY 3	P=0.342	P=0.634	P=0.150	P=0.484
POLY 1.5	P=0.335	P=0.634	P=0.158	P=0.478
POLY 6	P=0.350	P=0.635	P=0.145	P=0.490
COCH-ARM / FISHERS	P=0.363	P=0.643N	P=0.178	P=0.500
MAX-ISO-POLY-3	P=0.303	P=0.489	P=0.094	P=0.349

TDMS No. 99023 - 03
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: RATS/F 344

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
 beta-Myrcene
 CAS Number: 123-35-3

Date Report Requested: 08/18/2008
 Time Report Requested: 09:54:07
 First Dose M/F: 03/25/02 / 03/26/02
 Lab: BAT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(F 344)
 TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Females			
	0 G/KG	0.25 G/KG	0.5 G/KG	1.0 G/KG

Brain: Meninges
 Inflammation Chronic

LESION RATES

OVERALL (a)	0/50 (0%)	0/50 (0%)	1/50 (2%)	2/50 (4%)
POLY-3 RATE (b)	0/41.30	0/41.64	1/39.36	2/41.89
POLY-3 PERCENT (g)	0%	0%	2.5%	4.8%
TERMINAL (d)	0/31 (0%)	0/33 (0%)	1/28 (4%)	2/33 (6%)
FIRST INCIDENCE	---	---	730 (T)	730 (T)

STATISTICAL TESTS

POLY 3	P=0.071	(e)	P=0.490	P=0.240
POLY 1.5	P=0.069	(e)	P=0.494	P=0.234
POLY 6	P=0.074	(e)	P=0.487	P=0.247
COCH-ARM / FISHERS	P=0.070	(e)	P=0.500	P=0.247
MAX-ISO-POLY-3	P=0.081	(e)	P=0.158	P=0.079

TDMS No. 99023 - 03
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: RATS/F 344

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
 beta-Myrcene
 CAS Number: 123-35-3

Date Report Requested: 08/18/2008
 Time Report Requested: 09:54:07
 First Dose M/F: 03/25/02 / 03/26/02
 Lab: BAT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(F 344)
 TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Females			
	0 G/KG	0.25 G/KG	0.5 G/KG	1.0 G/KG

**Clitoral Gland
 Cyst**

LESION RATES

OVERALL (a)	3/50 (6%)	1/50 (2%)	1/50 (2%)	0/50 (0%)
POLY-3 RATE (b)	3/41.30	1/41.64	1/39.36	0/41.89
POLY-3 PERCENT (g)	7.3%	2.4%	2.5%	0%
TERMINAL (d)	3/31 (10%)	1/33 (3%)	1/28 (4%)	0/33 (0%)
FIRST INCIDENCE	730 (T)	730 (T)	730 (T)	---

STATISTICAL TESTS

POLY 3	P=0.072N	P=0.302N	P=0.322N	P=0.116N
POLY 1.5	P=0.074N	P=0.306N	P=0.317N	P=0.121N
POLY 6	P=0.071N	P=0.297N	P=0.327N	P=0.110N
COCH-ARM / FISHERS	P=0.073N	P=0.309N	P=0.309N	P=0.121N
MAX-ISO-POLY-3	P=0.041N*	P=0.152N	P=0.172N	P=0.038N*

TDMS No. 99023 - 03
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: RATS/F 344

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
 beta-Myrcene
 CAS Number: 123-35-3

Date Report Requested: 08/18/2008
 Time Report Requested: 09:54:07
 First Dose M/F: 03/25/02 / 03/26/02
 Lab: BAT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(F 344)
 TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Females			
	0 G/KG	0.25 G/KG	0.5 G/KG	1.0 G/KG

**Clitoral Gland
 Hyperplasia**

LESION RATES

OVERALL (a)	8/50 (16%)	8/50 (16%)	13/50 (26%)	4/50 (8%)
POLY-3 RATE (b)	8/41.55	8/41.77	13/41.03	4/42.89
POLY-3 PERCENT (g)	19.3%	19.2%	31.7%	9.3%
TERMINAL (d)	6/31 (19%)	7/33 (21%)	9/28 (32%)	3/33 (9%)
FIRST INCIDENCE	688	697	366	49

STATISTICAL TESTS

POLY 3	P=0.161N	P=0.605N	P=0.146	P=0.159N
POLY 1.5	P=0.180N	P=0.606	P=0.150	P=0.172N
POLY 6	P=0.142N	P=0.598N	P=0.141	P=0.147N
COCH-ARM / FISHERS	P=0.192N	P=0.607N	P=0.163	P=0.178N
MAX-ISO-POLY-3	P=0.082N	P=0.495N	P=0.096	P=0.098N

TDMS No. 99023 - 03
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: RATS/F 344

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
 beta-Myrcene
 CAS Number: 123-35-3

Date Report Requested: 08/18/2008
 Time Report Requested: 09:54:07
 First Dose M/F: 03/25/02 / 03/26/02
 Lab: BAT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(F 344)
 TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Females			
	0 G/KG	0.25 G/KG	0.5 G/KG	1.0 G/KG

**Clitoral Gland
 Inflammation Chronic**

LESION RATES

OVERALL (a)	22/50 (44%)	11/50 (22%)	26/50 (52%)	14/50 (28%)
POLY-3 RATE (b)	22/42.52	11/42.59	26/42.08	14/43.88
POLY-3 PERCENT (g)	51.7%	25.8%	61.8%	31.9%
TERMINAL (d)	17/31 (55%)	9/33 (27%)	18/28 (64%)	8/33 (24%)
FIRST INCIDENCE	631	408	595	435

STATISTICAL TESTS

POLY 3	P=0.159N	P=0.010N**	P=0.231	P=0.046N*
POLY 1.5	P=0.203N	P=0.012N*	P=0.236	P=0.062N
POLY 6	P=0.117N	P=0.009N**	P=0.240	P=0.033N*
COCH-ARM / FISHERS	P=0.221N	P=0.016N*	P=0.274	P=0.072N
MAX-ISO-POLY-3	P=0.041N*	P=0.005N**	P=0.170	P=0.030N*

TDMS No. 99023 - 03
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: RATS/F 344

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
 beta-Myrcene
 CAS Number: 123-35-3

Date Report Requested: 08/18/2008
 Time Report Requested: 09:54:07
 First Dose M/F: 03/25/02 / 03/26/02
 Lab: BAT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(F 344)
 TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Females			
	0 G/KG	0.25 G/KG	0.5 G/KG	1.0 G/KG

Eye: Sclera
 Metaplasia Osseous

LESION RATES

OVERALL (a)	1/50 (2%)	0/50 (0%)	0/49 (0%)	1/50 (2%)
POLY-3 RATE (b)	1/41.30	0/41.64	0/39.20	1/41.95
POLY-3 PERCENT (g)	2.4%	0%	0%	2.4%
TERMINAL (d)	1/31 (3%)	0/33 (0%)	0/28 (0%)	0/33 (0%)
FIRST INCIDENCE	730 (T)	---	---	716

STATISTICAL TESTS

POLY 3	P=0.595	P=0.498N	P=0.510N	P=0.757N
POLY 1.5	P=0.592	P=0.500N	P=0.508N	P=0.758
POLY 6	P=0.598	P=0.496N	P=0.513N	P=0.751N
COCH-ARM / FISHERS	P=0.594	P=0.500N	P=0.505N	P=0.753N
MAX-ISO-POLY-3	P=0.409N	P=0.158N	P=0.170N	P=0.495N

TDMS No. 99023 - 03
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: RATS/F 344

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
 beta-Myrcene
 CAS Number: 123-35-3

Date Report Requested: 08/18/2008
 Time Report Requested: 09:54:07
 First Dose M/F: 03/25/02 / 03/26/02
 Lab: BAT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(F 344)
 TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Females			
	0 G/KG	0.25 G/KG	0.5 G/KG	1.0 G/KG

**Harderian Gland
 Atrophy**

LESION RATES

OVERALL (a)	1/50 (2%)	1/50 (2%)	2/49 (4%)	0/50 (0%)
POLY-3 RATE (b)	1/41.30	1/41.64	2/39.87	0/41.89
POLY-3 PERCENT (g)	2.4%	2.4%	5%	0%
TERMINAL (d)	1/31 (3%)	1/33 (3%)	1/28 (4%)	0/33 (0%)
FIRST INCIDENCE	730 (T)	730 (T)	505	---

STATISTICAL TESTS

POLY 3	P=0.363N	P=0.759N	P=0.488	P=0.497N
POLY 1.5	P=0.372N	P=0.760	P=0.489	P=0.502N
POLY 6	P=0.354N	P=0.757N	P=0.486	P=0.491N
COCH-ARM / FISHERS	P=0.367N	P=0.753N	P=0.492	P=0.500N
MAX-ISO-POLY-3	P=0.273N	P=0.497N	P=0.272	P=0.158N

TDMS No. 99023 - 03
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: RATS/F 344

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
 beta-Myrcene
 CAS Number: 123-35-3

Date Report Requested: 08/18/2008
 Time Report Requested: 09:54:07
 First Dose M/F: 03/25/02 / 03/26/02
 Lab: BAT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(F 344)
 TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Females			
	0 G/KG	0.25 G/KG	0.5 G/KG	1.0 G/KG

**Harderian Gland
 Hyperplasia**

LESION RATES

OVERALL (a)	1/50 (2%)	0/50 (0%)	1/49 (2%)	1/50 (2%)
POLY-3 RATE (b)	1/41.30	0/41.64	1/39.20	1/41.89
POLY-3 PERCENT (g)	2.4%	0%	2.6%	2.4%
TERMINAL (d)	1/31 (3%)	0/33 (0%)	1/28 (4%)	1/33 (3%)
FIRST INCIDENCE	730 (T)	---	730 (T)	730 (T)

STATISTICAL TESTS

POLY 3	P=0.542	P=0.498N	P=0.749	P=0.758N
POLY 1.5	P=0.535	P=0.500N	P=0.751	P=0.758
POLY 6	P=0.549	P=0.496N	P=0.747	P=0.751N
COCH-ARM / FISHERS	P=0.538	P=0.500N	P=0.747	P=0.753N
MAX-ISO-POLY-3	P=0.532	P=0.158N	P=0.485	P=0.495N

TDMS No. 99023 - 03
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: RATS/F 344

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
 beta-Myrcene
 CAS Number: 123-35-3

Date Report Requested: 08/18/2008
 Time Report Requested: 09:54:07
 First Dose M/F: 03/25/02 / 03/26/02
 Lab: BAT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(F 344)
 TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Females			
	0 G/KG	0.25 G/KG	0.5 G/KG	1.0 G/KG

**Harderian Gland
 Inflammation Chronic**

LESION RATES

OVERALL (a)	7/50 (14%)	8/50 (16%)	7/49 (14%)	2/50 (4%)
POLY-3 RATE (b)	7/41.71	8/42.36	7/40.46	2/41.89
POLY-3 PERCENT (g)	16.8%	18.9%	17.3%	4.8%
TERMINAL (d)	5/31 (16%)	7/33 (21%)	4/28 (14%)	2/33 (6%)
FIRST INCIDENCE	665	476	505	730 (T)

STATISTICAL TESTS

POLY 3	P=0.050N*	P=0.513	P=0.591	P=0.076N
POLY 1.5	P=0.056N	P=0.503	P=0.591	P=0.082N
POLY 6	P=0.045N*	P=0.522	P=0.591	P=0.071N
COCH-ARM / FISHERS	P=0.054N	P=0.500	P=0.597	P=0.080N
MAX-ISO-POLY-3	P=0.068N	P=0.399	P=0.474	P=0.037N*

TDMS No. 99023 - 03
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: RATS/F 344

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
 beta-Myrcene
 CAS Number: 123-35-3

Date Report Requested: 08/18/2008
 Time Report Requested: 09:54:07
 First Dose M/F: 03/25/02 / 03/26/02
 Lab: BAT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(F 344)
 TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Females			
	0 G/KG	0.25 G/KG	0.5 G/KG	1.0 G/KG

**Harderian Gland
 Pigmentation Porphyrin**

LESION RATES

OVERALL (a)	50/50 (100%)	48/50 (96%)	48/49 (98%)	45/50 (90%)
POLY-3 RATE (b)	50/50.00	48/48.42	48/48.10	45/48.44
POLY-3 PERCENT (g)	100%	99.1%	99.8%	92.9%
TERMINAL (d)	31/31 (100%)	33/33 (100%)	28/28 (100%)	31/33 (94%)
FIRST INCIDENCE	291	197	217	9

STATISTICAL TESTS

POLY 3	P=0.007N**	P=0.910N	P=1.000N	P=0.074N
POLY 1.5	P=0.008N**	P=0.684N	P=0.982N	P=0.064N
POLY 6	P=0.008N**	P=1.000N	P=1.000N	P=0.092N
COCH-ARM / FISHERS	P=0.014N*	P=0.247N	P=0.495N	P=0.028N*
MAX-ISO-POLY-3	P=0.005N**	P=0.160N	P=0.160N	P=0.023N*

TDMS No. 99023 - 03
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: RATS/F 344

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
 beta-Myrcene
 CAS Number: 123-35-3

Date Report Requested: 08/18/2008
 Time Report Requested: 09:54:07
 First Dose M/F: 03/25/02 / 03/26/02
 Lab: BAT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(F 344)
 TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Females			
	0 G/KG	0.25 G/KG	0.5 G/KG	1.0 G/KG

**Heart
 Cardiomyopathy**

LESION RATES

OVERALL (a)	43/50 (86%)	31/50 (62%)	30/49 (61%)	34/50 (68%)
POLY-3 RATE (b)	43/47.31	31/45.56	30/42.20	34/46.70
POLY-3 PERCENT (g)	90.9%	68%	71.1%	72.8%
TERMINAL (d)	28/31 (90%)	22/33 (67%)	20/28 (71%)	23/33 (70%)
FIRST INCIDENCE	330	197	595	9

STATISTICAL TESTS

POLY 3	P=0.060N	P=0.004N**	P=0.011N*	P=0.017N*
POLY 1.5	P=0.069N	P=0.004N**	P=0.006N**	P=0.020N*
POLY 6	P=0.056N	P=0.005N**	P=0.018N*	P=0.018N*
COCH-ARM / FISHERS	P=0.083N	P=0.006N**	P=0.005N**	P=0.028N*
MAX-ISO-POLY-3	P=0.011N*	P=0.002N**	P=0.007N**	P=0.009N**

TDMS No. 99023 - 03
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: RATS/F 344

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
 beta-Myrcene
 CAS Number: 123-35-3

Date Report Requested: 08/18/2008
 Time Report Requested: 09:54:07
 First Dose M/F: 03/25/02 / 03/26/02
 Lab: BAT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(F 344)
 TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Females			
	0 G/KG	0.25 G/KG	0.5 G/KG	1.0 G/KG

Heart: Atrium
 Thrombosis

LESION RATES

OVERALL (a)	0/50 (0%)	0/50 (0%)	1/49 (2%)	0/50 (0%)
POLY-3 RATE (b)	0/41.30	0/41.64	1/39.76	0/41.89
POLY-3 PERCENT (g)	0%	0%	2.5%	0%
TERMINAL (d)	0/31 (0%)	0/33 (0%)	0/28 (0%)	0/33 (0%)
FIRST INCIDENCE	---	---	556	---

STATISTICAL TESTS

POLY 3	P=0.700	(e)	P=0.492	(e)
POLY 1.5	P=0.689	(e)	P=0.493	(e)
POLY 6	P=0.711	(e)	P=0.492	(e)
COCH-ARM / FISHERS	P=0.694	(e)	P=0.495	(e)
MAX-ISO-POLY-3	P=0.384	(e)	P=0.157	(e)

TDMS No. 99023 - 03
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: RATS/F 344

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
 beta-Myrcene
 CAS Number: 123-35-3

Date Report Requested: 08/18/2008
 Time Report Requested: 09:54:07
 First Dose M/F: 03/25/02 / 03/26/02
 Lab: BAT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(F 344)
 TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Females			
	0 G/KG	0.25 G/KG	0.5 G/KG	1.0 G/KG

Heart: Valve
 Thrombosis

LESION RATES

OVERALL (a)	0/50 (0%)	0/50 (0%)	0/49 (0%)	0/50 (0%)
POLY-3 RATE (b)	0/41.30	0/41.64	0/39.20	0/41.89
POLY-3 PERCENT (g)	0%	0%	0%	0%
TERMINAL (d)	0/31 (0%)	0/33 (0%)	0/28 (0%)	0/33 (0%)
FIRST INCIDENCE	---	---	---	---

STATISTICAL TESTS

POLY 3	(e)	(e)	(e)	(e)
POLY 1.5	(e)	(e)	(e)	(e)
POLY 6	(e)	(e)	(e)	(e)
COCH-ARM / FISHERS	(e)	(e)	(e)	(e)
MAX-ISO-POLY-3	(e)	(e)	(e)	(e)

TDMS No. 99023 - 03
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: RATS/F 344

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
 beta-Myrcene
 CAS Number: 123-35-3

Date Report Requested: 08/18/2008
 Time Report Requested: 09:54:07
 First Dose M/F: 03/25/02 / 03/26/02
 Lab: BAT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(F 344)
 TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Females			
	0 G/KG	0.25 G/KG	0.5 G/KG	1.0 G/KG

**Intestine Large, Colon
 Parasite Metazoan**

LESION RATES

OVERALL (a)	0/50 (0%)	1/50 (2%)	1/50 (2%)	0/50 (0%)
POLY-3 RATE (b)	0/41.30	1/41.64	1/39.36	0/41.89
POLY-3 PERCENT (g)	0%	2.4%	2.5%	0%
TERMINAL (d)	0/31 (0%)	1/33 (3%)	1/28 (4%)	0/33 (0%)
FIRST INCIDENCE	---	730 (T)	730 (T)	---

STATISTICAL TESTS

POLY 3	P=0.592N	P=0.502	P=0.490	(e)
POLY 1.5	P=0.599N	P=0.500	P=0.494	(e)
POLY 6	P=0.584N	P=0.504	P=0.487	(e)
COCH-ARM / FISHERS	P=0.595N	P=0.500	P=0.500	(e)
MAX-ISO-POLY-3	P=0.402N	P=0.160	P=0.158	(e)

TDMS No. 99023 - 03
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: RATS/F 344

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
 beta-Myrcene
 CAS Number: 123-35-3

Date Report Requested: 08/18/2008
 Time Report Requested: 09:54:07
 First Dose M/F: 03/25/02 / 03/26/02
 Lab: BAT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(F 344)
 TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Females			
	0 G/KG	0.25 G/KG	0.5 G/KG	1.0 G/KG

**Intestine Large, Rectum
 Parasite Metazoan**

LESION RATES

OVERALL (a)	1/50 (2%)	5/50 (10%)	5/50 (10%)	2/50 (4%)
POLY-3 RATE (b)	1/41.55	5/42.09	5/40.40	2/41.89
POLY-3 PERCENT (g)	2.4%	11.9%	12.4%	4.8%
TERMINAL (d)	0/31 (0%)	4/33 (12%)	2/28 (7%)	2/33 (6%)
FIRST INCIDENCE	665	596	505	730 (T)

STATISTICAL TESTS

POLY 3	P=0.564	P=0.103	P=0.094	P=0.503
POLY 1.5	P=0.545	P=0.101	P=0.096	P=0.495
POLY 6	P=0.576N	P=0.106	P=0.092	P=0.511
COCH-ARM / FISHERS	P=0.558	P=0.102	P=0.102	P=0.500
MAX-ISO-POLY-3	P=0.173	P=0.046*	P=0.042*	P=0.283

TDMS No. 99023 - 03
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: RATS/F 344

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
 beta-Myrcene
 CAS Number: 123-35-3

Date Report Requested: 08/18/2008
 Time Report Requested: 09:54:07
 First Dose M/F: 03/25/02 / 03/26/02
 Lab: BAT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(F 344)
 TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Females			
	0 G/KG	0.25 G/KG	0.5 G/KG	1.0 G/KG

**Islets, Pancreatic
 Hyperplasia**

LESION RATES

OVERALL (a)	0/50 (0%)	2/50 (4%)	4/49 (8%)	0/50 (0%)
POLY-3 RATE (b)	0/41.30	2/41.64	4/39.59	0/41.89
POLY-3 PERCENT (g)	0%	4.8%	10.1%	0%
TERMINAL (d)	0/31 (0%)	2/33 (6%)	3/28 (11%)	0/33 (0%)
FIRST INCIDENCE	---	730 (T)	618	---

STATISTICAL TESTS

POLY 3	P=0.548N	P=0.239	P=0.054	(e)
POLY 1.5	P=0.565N	P=0.237	P=0.055	(e)
POLY 6	P=0.529N	P=0.241	P=0.053	(e)
COCH-ARM / FISHERS	P=0.556N	P=0.247	P=0.056	(e)
MAX-ISO-POLY-3	P=0.182	P=0.077	P=0.018*	(e)

TDMS No. 99023 - 03
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: RATS/F 344

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
 beta-Myrcene
 CAS Number: 123-35-3

Date Report Requested: 08/18/2008
 Time Report Requested: 09:54:07
 First Dose M/F: 03/25/02 / 03/26/02
 Lab: BAT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(F 344)
 TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Females			
	0 G/KG	0.25 G/KG	0.5 G/KG	1.0 G/KG

**Kidney
 Inflammation Focal**

LESION RATES

OVERALL (a)	0/50 (0%)	1/50 (2%)	0/50 (0%)	1/50 (2%)
POLY-3 RATE (b)	0/41.30	1/41.64	0/39.36	1/41.89
POLY-3 PERCENT (g)	0%	2.4%	0%	2.4%
TERMINAL (d)	0/31 (0%)	1/33 (3%)	0/28 (0%)	1/33 (3%)
FIRST INCIDENCE	---	730 (T)	---	730 (T)

STATISTICAL TESTS

POLY 3	P=0.408	P=0.502	(e)	P=0.503
POLY 1.5	P=0.401	P=0.500	(e)	P=0.498
POLY 6	P=0.416	P=0.504	(e)	P=0.509
COCH-ARM / FISHERS	P=0.405	P=0.500	(e)	P=0.500
MAX-ISO-POLY-3	P=0.261	P=0.160	(e)	P=0.162

TDMS No. 99023 - 03
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: RATS/F 344

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
 beta-Myrcene
 CAS Number: 123-35-3

Date Report Requested: 08/18/2008
 Time Report Requested: 09:54:07
 First Dose M/F: 03/25/02 / 03/26/02
 Lab: BAT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(F 344)
 TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Females			
	0 G/KG	0.25 G/KG	0.5 G/KG	1.0 G/KG

**Kidney
 Necrosis**

LESION RATES

OVERALL (a)	1/50 (2%)	1/50 (2%)	1/50 (2%)	0/50 (0%)
POLY-3 RATE (b)	1/41.56	1/41.88	1/39.48	0/41.89
POLY-3 PERCENT (g)	2.4%	2.4%	2.5%	0%
TERMINAL (d)	0/31 (0%)	0/33 (0%)	0/28 (0%)	0/33 (0%)
FIRST INCIDENCE	661	666	701	---

STATISTICAL TESTS

POLY 3	P=0.313N	P=0.759N	P=0.749	P=0.498N
POLY 1.5	P=0.317N	P=0.760	P=0.753	P=0.503N
POLY 6	P=0.309N	P=0.757N	P=0.746	P=0.494N
COCH-ARM / FISHERS	P=0.311N	P=0.753N	P=0.753N	P=0.500N
MAX-ISO-POLY-3	P=0.329N	P=0.497N	P=0.485	P=0.158N

TDMS No. 99023 - 03
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: RATS/F 344

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
 beta-Myrcene
 CAS Number: 123-35-3

Date Report Requested: 08/18/2008
 Time Report Requested: 09:54:07
 First Dose M/F: 03/25/02 / 03/26/02
 Lab: BAT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(F 344)
 TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Females			
	0 G/KG	0.25 G/KG	0.5 G/KG	1.0 G/KG

**Kidney
 Nephropathy**

LESION RATES

OVERALL (a)	26/50 (52%)	43/50 (86%)	41/50 (82%)	44/50 (88%)
POLY-3 RATE (b)	26/43.84	43/45.83	41/44.14	44/45.34
POLY-3 PERCENT (g)	59.3%	93.8%	92.9%	97.1%
TERMINAL (d)	20/31 (65%)	32/33 (97%)	27/28 (96%)	32/33 (97%)
FIRST INCIDENCE	330	408	505	435

STATISTICAL TESTS

POLY 3	P<0.001**	P<0.001**	P<0.001**	P<0.001**
POLY 1.5	P<0.001**	P<0.001**	P<0.001**	P<0.001**
POLY 6	P<0.001**	P<0.001**	P<0.001**	P<0.001**
COCH-ARM / FISHERS	P<0.001**	P<0.001**	P<0.001**	P<0.001**
MAX-ISO-POLY-3	P<0.001**	P<0.001**	P<0.001**	P<0.001**

TDMS No. 99023 - 03
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: RATS/F 344

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
 beta-Myrcene
 CAS Number: 123-35-3

Date Report Requested: 08/18/2008
 Time Report Requested: 09:54:07
 First Dose M/F: 03/25/02 / 03/26/02
 Lab: BAT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(F 344)
 TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Females			
	0 G/KG	0.25 G/KG	0.5 G/KG	1.0 G/KG

**Kidney: Papilla
 Mineralization**

LESION RATES

OVERALL (a)	5/50 (10%)	3/50 (6%)	1/50 (2%)	0/50 (0%)
POLY-3 RATE (b)	5/43.26	3/41.88	1/39.36	0/41.89
POLY-3 PERCENT (g)	11.6%	7.2%	2.5%	0%
TERMINAL (d)	1/31 (3%)	2/33 (6%)	1/28 (4%)	0/33 (0%)
FIRST INCIDENCE	330	666	730 (T)	---

STATISTICAL TESTS

POLY 3	P=0.012N*	P=0.374N	P=0.124N	P=0.033N*
POLY 1.5	P=0.013N*	P=0.372N	P=0.116N	P=0.034N*
POLY 6	P=0.012N*	P=0.373N	P=0.132N	P=0.032N*
COCH-ARM / FISHERS	P=0.012N*	P=0.357N	P=0.102N	P=0.028N*
MAX-ISO-POLY-3	P=0.013N*	P=0.248N	P=0.065N	P=0.011N*

TDMS No. 99023 - 03
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: RATS/F 344

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
 beta-Myrcene
 CAS Number: 123-35-3

Date Report Requested: 08/18/2008
 Time Report Requested: 09:54:07
 First Dose M/F: 03/25/02 / 03/26/02
 Lab: BAT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(F 344)
 TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Females			
	0 G/KG	0.25 G/KG	0.5 G/KG	1.0 G/KG

**Kidney: Pelvis
 Inflammation Chronic**

LESION RATES

OVERALL (a)	1/50 (2%)	3/50 (6%)	0/50 (0%)	0/50 (0%)
POLY-3 RATE (b)	1/41.51	3/41.64	0/39.36	0/41.89
POLY-3 PERCENT (g)	2.4%	7.2%	0%	0%
TERMINAL (d)	0/31 (0%)	3/33 (9%)	0/28 (0%)	0/33 (0%)
FIRST INCIDENCE	676	730 (T)	---	---

STATISTICAL TESTS

POLY 3	P=0.152N	P=0.306	P=0.511N	P=0.498N
POLY 1.5	P=0.155N	P=0.304	P=0.507N	P=0.503N
POLY 6	P=0.148N	P=0.308	P=0.515N	P=0.493N
COCH-ARM / FISHERS	P=0.153N	P=0.309	P=0.500N	P=0.500N
MAX-ISO-POLY-3	P=0.118N	P=0.154	P=0.172N	P=0.158N

TDMS No. 99023 - 03
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: RATS/F 344

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
 beta-Myrcene
 CAS Number: 123-35-3

Date Report Requested: 08/18/2008
 Time Report Requested: 09:54:07
 First Dose M/F: 03/25/02 / 03/26/02
 Lab: BAT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(F 344)
 TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Females			
	0 G/KG	0.25 G/KG	0.5 G/KG	1.0 G/KG

**Kidney: Renal Tubule
 Cyst**

LESION RATES

OVERALL (a)	2/50 (4%)	0/50 (0%)	1/50 (2%)	0/50 (0%)
POLY-3 RATE (b)	2/41.30	0/41.64	1/39.36	0/41.89
POLY-3 PERCENT (g)	4.8%	0%	2.5%	0%
TERMINAL (d)	2/31 (7%)	0/33 (0%)	1/28 (4%)	0/33 (0%)
FIRST INCIDENCE	730 (T)	---	730 (T)	---

STATISTICAL TESTS

POLY 3	P=0.188N	P=0.235N	P=0.517N	P=0.234N
POLY 1.5	P=0.190N	P=0.237N	P=0.511N	P=0.240N
POLY 6	P=0.187N	P=0.232N	P=0.522N	P=0.227N
COCH-ARM / FISHERS	P=0.188N	P=0.247N	P=0.500N	P=0.247N
MAX-ISO-POLY-3	P=0.077N	P=0.076N	P=0.298N	P=0.076N

TDMS No. 99023 - 03
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: RATS/F 344

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
 beta-Myrcene
 CAS Number: 123-35-3

Date Report Requested: 08/18/2008
 Time Report Requested: 09:54:07
 First Dose M/F: 03/25/02 / 03/26/02
 Lab: BAT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(F 344)
 TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Females			
	0 G/KG	0.25 G/KG	0.5 G/KG	1.0 G/KG

**Kidney: Renal Tubule
 Hyperplasia**

LESION RATES

OVERALL (a)	0/50 (0%)	0/50 (0%)	0/50 (0%)	1/50 (2%)
POLY-3 RATE (b)	0/41.30	0/41.64	0/39.36	1/41.89
POLY-3 PERCENT (g)	0%	0%	0%	2.4%
TERMINAL (d)	0/31 (0%)	0/33 (0%)	0/28 (0%)	1/33 (3%)
FIRST INCIDENCE	---	---	---	730 (T)

STATISTICAL TESTS

POLY 3	P=0.200	(e)	(e)	P=0.503
POLY 1.5	P=0.197	(e)	(e)	P=0.498
POLY 6	P=0.204	(e)	(e)	P=0.509
COCH-ARM / FISHERS	P=0.198	(e)	(e)	P=0.500
MAX-ISO-POLY-3	P=0.128	(e)	(e)	P=0.162

TDMS No. 99023 - 03
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: RATS/F 344

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
 beta-Myrcene
 CAS Number: 123-35-3

Date Report Requested: 08/18/2008
 Time Report Requested: 09:54:07
 First Dose M/F: 03/25/02 / 03/26/02
 Lab: BAT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(F 344)
 TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Females			
	0 G/KG	0.25 G/KG	0.5 G/KG	1.0 G/KG

**Kidney: Renal Tubule
 Hyperplasia Oncocytic**

LESION RATES

OVERALL (a)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
POLY-3 RATE (b)	0/41.30	0/41.64	0/39.36	0/41.89
POLY-3 PERCENT (g)	0%	0%	0%	0%
TERMINAL (d)	0/31 (0%)	0/33 (0%)	0/28 (0%)	0/33 (0%)
FIRST INCIDENCE	---	---	---	---

STATISTICAL TESTS

POLY 3	(e)	(e)	(e)	(e)
POLY 1.5	(e)	(e)	(e)	(e)
POLY 6	(e)	(e)	(e)	(e)
COCH-ARM / FISHERS	(e)	(e)	(e)	(e)
MAX-ISO-POLY-3	(e)	(e)	(e)	(e)

TDMS No. 99023 - 03
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: RATS/F 344

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
 beta-Myrcene
 CAS Number: 123-35-3

Date Report Requested: 08/18/2008
 Time Report Requested: 09:54:07
 First Dose M/F: 03/25/02 / 03/26/02
 Lab: BAT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(F 344)
 TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Females			
	0 G/KG	0.25 G/KG	0.5 G/KG	1.0 G/KG

**Kidney: Renal Tubule
 Nephrosis**

LESION RATES

OVERALL (a)	0/50 (0%)	2/50 (4%)	27/50 (54%)	45/50 (90%)
POLY-3 RATE (b)	0/41.30	2/41.64	27/42.51	45/46.03
POLY-3 PERCENT (g)	0%	4.8%	63.5%	97.8%
TERMINAL (d)	0/31 (0%)	2/33 (6%)	17/28 (61%)	32/33 (97%)
FIRST INCIDENCE	---	730 (T)	505	435

STATISTICAL TESTS

POLY 3	P<0.001**	P=0.239	P<0.001**	P<0.001**
POLY 1.5	P<0.001**	P=0.237	P<0.001**	P<0.001**
POLY 6	P<0.001**	P=0.241	P<0.001**	P<0.001**
COCH-ARM / FISHERS	P<0.001**	P=0.247	P<0.001**	P<0.001**
MAX-ISO-POLY-3	P<0.001**	P=0.077	P<0.001**	P<0.001**

TDMS No. 99023 - 03
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: RATS/F 344

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
 beta-Myrcene
 CAS Number: 123-35-3

Date Report Requested: 08/18/2008
 Time Report Requested: 09:54:07
 First Dose M/F: 03/25/02 / 03/26/02
 Lab: BAT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(F 344)
 TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Females			
	0 G/KG	0.25 G/KG	0.5 G/KG	1.0 G/KG

**Kidney: Transitional Epithelium
 Hyperplasia**

LESION RATES

OVERALL (a)	1/50 (2%)	12/50 (24%)	15/50 (30%)	19/50 (38%)
POLY-3 RATE (b)	1/41.99	12/42.94	15/40.29	19/42.20
POLY-3 PERCENT (g)	2.4%	27.9%	37.2%	45%
TERMINAL (d)	0/31 (0%)	9/33 (27%)	10/28 (36%)	17/33 (52%)
FIRST INCIDENCE	497	408	637	672

STATISTICAL TESTS

POLY 3	P<0.001**	P<0.001**	P<0.001**	P<0.001**
POLY 1.5	P<0.001**	P<0.001**	P<0.001**	P<0.001**
POLY 6	P<0.001**	P<0.001**	P<0.001**	P<0.001**
COCH-ARM / FISHERS	P<0.001**	P<0.001**	P<0.001**	P<0.001**
MAX-ISO-POLY-3	P<0.001**	P<0.001**	P<0.001**	P<0.001**

TDMS No. 99023 - 03
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: RATS/F 344

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
 beta-Myrcene
 CAS Number: 123-35-3

Date Report Requested: 08/18/2008
 Time Report Requested: 09:54:07
 First Dose M/F: 03/25/02 / 03/26/02
 Lab: BAT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(F 344)
 TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Females			
	0 G/KG	0.25 G/KG	0.5 G/KG	1.0 G/KG

**Kidney: Vein
 Thrombosis**

LESION RATES

OVERALL (a)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
POLY-3 RATE (b)	0/41.30	0/41.64	0/39.36	0/41.89
POLY-3 PERCENT (g)	0%	0%	0%	0%
TERMINAL (d)	0/31 (0%)	0/33 (0%)	0/28 (0%)	0/33 (0%)
FIRST INCIDENCE	---	---	---	---

STATISTICAL TESTS

POLY 3	(e)	(e)	(e)	(e)
POLY 1.5	(e)	(e)	(e)	(e)
POLY 6	(e)	(e)	(e)	(e)
COCH-ARM / FISHERS	(e)	(e)	(e)	(e)
MAX-ISO-POLY-3	(e)	(e)	(e)	(e)

TDMS No. 99023 - 03
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: RATS/F 344

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
 beta-Myrcene
 CAS Number: 123-35-3

Date Report Requested: 08/18/2008
 Time Report Requested: 09:54:07
 First Dose M/F: 03/25/02 / 03/26/02
 Lab: BAT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(F 344)
 TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Females			
	0 G/KG	0.25 G/KG	0.5 G/KG	1.0 G/KG

Liver
 Angiectasis

LESION RATES

OVERALL (a)	1/50 (2%)	0/50 (0%)	0/49 (0%)	1/50 (2%)
POLY-3 RATE (b)	1/41.30	0/41.64	0/39.20	1/41.89
POLY-3 PERCENT (g)	2.4%	0%	0%	2.4%
TERMINAL (d)	1/31 (3%)	0/33 (0%)	0/28 (0%)	1/33 (3%)
FIRST INCIDENCE	730 (T)	---	---	730 (T)

STATISTICAL TESTS

POLY 3	P=0.594	P=0.498N	P=0.510N	P=0.758N
POLY 1.5	P=0.592	P=0.500N	P=0.508N	P=0.758
POLY 6	P=0.597	P=0.496N	P=0.513N	P=0.751N
COCH-ARM / FISHERS	P=0.594	P=0.500N	P=0.505N	P=0.753N
MAX-ISO-POLY-3	P=0.409N	P=0.158N	P=0.170N	P=0.495N

TDMS No. 99023 - 03
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: RATS/F 344

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
 beta-Myrcene
 CAS Number: 123-35-3

Date Report Requested: 08/18/2008
 Time Report Requested: 09:54:07
 First Dose M/F: 03/25/02 / 03/26/02
 Lab: BAT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(F 344)
 TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Females			
	0 G/KG	0.25 G/KG	0.5 G/KG	1.0 G/KG

Liver
 Basophilic Focus

LESION RATES

OVERALL (a)	44/50 (88%)	43/50 (86%)	42/49 (86%)	31/50 (62%)
POLY-3 RATE (b)	44/47.32	43/45.97	42/45.61	31/44.55
POLY-3 PERCENT (g)	93%	93.5%	92.1%	69.6%
TERMINAL (d)	30/31 (97%)	32/33 (97%)	26/28 (93%)	22/33 (67%)
FIRST INCIDENCE	291	408	283	435

STATISTICAL TESTS

POLY 3	P<0.001N**	P=0.635	P=0.599N	P=0.002N**
POLY 1.5	P<0.001N**	P=0.631	P=0.580N	P=0.003N**
POLY 6	P<0.001N**	P=0.653	P=0.579N	P=0.002N**
COCH-ARM / FISHERS	P<0.001N**	P=0.500N	P=0.484N	P=0.002N**
MAX-ISO-POLY-3	P<0.001N**	P=0.452	P=0.427N	P<0.001N**

TDMS No. 99023 - 03
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: RATS/F 344

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
 beta-Myrcene
 CAS Number: 123-35-3

Date Report Requested: 08/18/2008
 Time Report Requested: 09:54:07
 First Dose M/F: 03/25/02 / 03/26/02
 Lab: BAT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(F 344)
 TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Females			
	0 G/KG	0.25 G/KG	0.5 G/KG	1.0 G/KG

Liver
 Clear Cell Focus

LESION RATES

OVERALL (a)	4/50 (8%)	6/50 (12%)	6/49 (12%)	8/50 (16%)
POLY-3 RATE (b)	4/42.08	6/41.77	6/39.98	8/41.89
POLY-3 PERCENT (g)	9.5%	14.4%	15%	19.1%
TERMINAL (d)	2/31 (7%)	5/33 (15%)	4/28 (14%)	8/33 (24%)
FIRST INCIDENCE	560	697	618	730 (T)

STATISTICAL TESTS

POLY 3	P=0.145	P=0.364	P=0.336	P=0.172
POLY 1.5	P=0.139	P=0.363	P=0.343	P=0.165
POLY 6	P=0.152	P=0.365	P=0.329	P=0.179
COCH-ARM / FISHERS	P=0.151	P=0.370	P=0.357	P=0.178
MAX-ISO-POLY-3	P=0.167	P=0.248	P=0.229	P=0.104

TDMS No. 99023 - 03
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: RATS/F 344

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
 beta-Myrcene
 CAS Number: 123-35-3

Date Report Requested: 08/18/2008
 Time Report Requested: 09:54:07
 First Dose M/F: 03/25/02 / 03/26/02
 Lab: BAT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(F 344)
 TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Females			
	0 G/KG	0.25 G/KG	0.5 G/KG	1.0 G/KG

Liver
 Eosinophilic Focus

LESION RATES

OVERALL (a)	6/50 (12%)	10/50 (20%)	15/49 (31%)	24/50 (48%)
POLY-3 RATE (b)	6/42.01	10/42.38	15/40.08	24/43.04
POLY-3 PERCENT (g)	14.3%	23.6%	37.4%	55.8%
TERMINAL (d)	5/31 (16%)	6/33 (18%)	11/28 (39%)	19/33 (58%)
FIRST INCIDENCE	486	666	661	560

STATISTICAL TESTS

POLY 3	P<0.001**	P=0.207	P=0.013*	P<0.001**
POLY 1.5	P<0.001**	P=0.201	P=0.015*	P<0.001**
POLY 6	P<0.001**	P=0.220	P=0.012*	P<0.001**
COCH-ARM / FISHERS	P<0.001**	P=0.207	P=0.021*	P<0.001**
MAX-ISO-POLY-3	P<0.001**	P=0.138	P=0.007**	P<0.001**

TDMS No. 99023 - 03
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: RATS/F 344

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
 beta-Myrcene
 CAS Number: 123-35-3

Date Report Requested: 08/18/2008
 Time Report Requested: 09:54:07
 First Dose M/F: 03/25/02 / 03/26/02
 Lab: BAT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(F 344)
 TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Females			
	0 G/KG	0.25 G/KG	0.5 G/KG	1.0 G/KG

Liver
 Fatty Change

LESION RATES

OVERALL (a)	3/50 (6%)	3/50 (6%)	4/49 (8%)	1/50 (2%)
POLY-3 RATE (b)	3/42.60	3/42.34	4/39.96	1/42.44
POLY-3 PERCENT (g)	7%	7.1%	10%	2.4%
TERMINAL (d)	1/31 (3%)	1/33 (3%)	0/28 (0%)	0/33 (0%)
FIRST INCIDENCE	330	548	637	560

STATISTICAL TESTS

POLY 3	P=0.251N	P=0.660	P=0.465	P=0.306N
POLY 1.5	P=0.260N	P=0.656	P=0.471	P=0.314N
POLY 6	P=0.240N	P=0.661N	P=0.462	P=0.297N
COCH-ARM / FISHERS	P=0.249N	P=0.661N	P=0.489	P=0.309N
MAX-ISO-POLY-3	P=0.235N	P=0.496	P=0.320	P=0.155N

TDMS No. 99023 - 03
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: RATS/F 344

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
 beta-Myrcene
 CAS Number: 123-35-3

Date Report Requested: 08/18/2008
 Time Report Requested: 09:54:07
 First Dose M/F: 03/25/02 / 03/26/02
 Lab: BAT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(F 344)
 TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Females			
	0 G/KG	0.25 G/KG	0.5 G/KG	1.0 G/KG

Liver
 Fibrosis

LESION RATES

OVERALL (a)	0/50 (0%)	0/50 (0%)	2/49 (4%)	0/50 (0%)
POLY-3 RATE (b)	0/41.30	0/41.64	2/39.20	0/41.89
POLY-3 PERCENT (g)	0%	0%	5.1%	0%
TERMINAL (d)	0/31 (0%)	0/33 (0%)	2/28 (7%)	0/33 (0%)
FIRST INCIDENCE	---	---	730 (T)	---

STATISTICAL TESTS

POLY 3	P=0.604	(e)	P=0.225	(e)
POLY 1.5	P=0.590	(e)	P=0.228	(e)
POLY 6	P=0.619	(e)	P=0.222	(e)
COCH-ARM / FISHERS	P=0.594	(e)	P=0.242	(e)
MAX-ISO-POLY-3	P=0.244	(e)	P=0.074	(e)

TDMS No. 99023 - 03
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: RATS/F 344

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
 beta-Myrcene
 CAS Number: 123-35-3

Date Report Requested: 08/18/2008
 Time Report Requested: 09:54:07
 First Dose M/F: 03/25/02 / 03/26/02
 Lab: BAT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(F 344)
 TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Females			
	0 G/KG	0.25 G/KG	0.5 G/KG	1.0 G/KG

Liver
 Hepatodiaphragmatic Nodule

LESION RATES

OVERALL (a)	6/50 (12%)	5/50 (10%)	6/49 (12%)	8/50 (16%)
POLY-3 RATE (b)	6/44.22	5/42.31	6/39.79	8/43.68
POLY-3 PERCENT (g)	13.6%	11.8%	15.1%	18.3%
TERMINAL (d)	2/31 (7%)	3/33 (9%)	4/28 (14%)	4/33 (12%)
FIRST INCIDENCE	291	596	637	225

STATISTICAL TESTS

POLY 3	P=0.264	P=0.531N	P=0.545	P=0.376
POLY 1.5	P=0.254	P=0.528N	P=0.563	P=0.364
POLY 6	P=0.278	P=0.528N	P=0.531	P=0.395
COCH-ARM / FISHERS	P=0.268	P=0.500N	P=0.606	P=0.387
MAX-ISO-POLY-3	P=0.369	P=0.404N	P=0.424	P=0.274

TDMS No. 99023 - 03
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: RATS/F 344

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
 beta-Myrcene
 CAS Number: 123-35-3

Date Report Requested: 08/18/2008
 Time Report Requested: 09:54:07
 First Dose M/F: 03/25/02 / 03/26/02
 Lab: BAT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(F 344)
 TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Females			
	0 G/KG	0.25 G/KG	0.5 G/KG	1.0 G/KG

Liver
 Inflammation Chronic

LESION RATES

OVERALL (a)	41/50 (82%)	41/50 (82%)	41/49 (84%)	33/50 (66%)
POLY-3 RATE (b)	41/47.04	41/47.40	41/44.59	33/44.77
POLY-3 PERCENT (g)	87.2%	86.5%	92%	73.7%
TERMINAL (d)	28/31 (90%)	29/33 (88%)	28/28 (100%)	25/33 (76%)
FIRST INCIDENCE	330	197	283	435

STATISTICAL TESTS

POLY 3	P=0.041N*	P=0.586N	P=0.327	P=0.077N
POLY 1.5	P=0.051N	P=0.615N	P=0.388	P=0.092N
POLY 6	P=0.031N*	P=0.552N	P=0.281	P=0.062N
COCH-ARM / FISHERS	P=0.025N*	P=0.602N	P=0.518	P=0.055N
MAX-ISO-POLY-3	P=0.031N*	P=0.459N	P=0.211	P=0.048N*

TDMS No. 99023 - 03
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: RATS/F 344

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
 beta-Myrcene
 CAS Number: 123-35-3

Date Report Requested: 08/18/2008
 Time Report Requested: 09:54:07
 First Dose M/F: 03/25/02 / 03/26/02
 Lab: BAT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(F 344)
 TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Females			
	0 G/KG	0.25 G/KG	0.5 G/KG	1.0 G/KG

Liver
 Mixed Cell Focus

LESION RATES

OVERALL (a)	6/50 (12%)	5/50 (10%)	3/49 (6%)	6/50 (12%)
POLY-3 RATE (b)	6/41.53	5/41.64	3/39.20	6/42.11
POLY-3 PERCENT (g)	14.5%	12%	7.7%	14.3%
TERMINAL (d)	5/31 (16%)	5/33 (15%)	3/28 (11%)	5/33 (15%)
FIRST INCIDENCE	670	730 (T)	730 (T)	672

STATISTICAL TESTS

POLY 3	P=0.562N	P=0.498N	P=0.269N	P=0.612N
POLY 1.5	P=0.553	P=0.503N	P=0.263N	P=0.613
POLY 6	P=0.549N	P=0.493N	P=0.277N	P=0.591N
COCH-ARM / FISHERS	P=0.562	P=0.500N	P=0.254N	P=0.620N
MAX-ISO-POLY-3	P=0.508N	P=0.371N	P=0.172N	P=0.489N

TDMS No. 99023 - 03
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: RATS/F 344

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
 beta-Myrcene
 CAS Number: 123-35-3

Date Report Requested: 08/18/2008
 Time Report Requested: 09:54:07
 First Dose M/F: 03/25/02 / 03/26/02
 Lab: BAT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(F 344)
 TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Females			
	0 G/KG	0.25 G/KG	0.5 G/KG	1.0 G/KG

Liver
 Necrosis

LESION RATES

OVERALL (a)	2/50 (4%)	1/50 (2%)	1/49 (2%)	1/50 (2%)
POLY-3 RATE (b)	2/41.63	1/42.64	1/40.07	1/41.89
POLY-3 PERCENT (g)	4.8%	2.4%	2.5%	2.4%
TERMINAL (d)	0/31 (0%)	0/33 (0%)	0/28 (0%)	1/33 (3%)
FIRST INCIDENCE	686	66	371	730 (T)

STATISTICAL TESTS

POLY 3	P=0.414N	P=0.492N	P=0.513N	P=0.498N
POLY 1.5	P=0.417N	P=0.494N	P=0.511N	P=0.506N
POLY 6	P=0.410N	P=0.489N	P=0.519N	P=0.490N
COCH-ARM / FISHERS	P=0.410N	P=0.500N	P=0.508N	P=0.500N
MAX-ISO-POLY-3	P=0.421N	P=0.275N	P=0.294N	P=0.279N

TDMS No. 99023 - 03
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: RATS/F 344

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
 beta-Myrcene
 CAS Number: 123-35-3

Date Report Requested: 08/18/2008
 Time Report Requested: 09:54:07
 First Dose M/F: 03/25/02 / 03/26/02
 Lab: BAT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(F 344)
 TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Females			
	0 G/KG	0.25 G/KG	0.5 G/KG	1.0 G/KG

Liver: Bile Duct
 Hyperplasia

LESION RATES

OVERALL (a)	8/50 (16%)	11/50 (22%)	12/49 (24%)	11/50 (22%)
POLY-3 RATE (b)	8/43.22	11/41.80	12/40.30	11/42.36
POLY-3 PERCENT (g)	18.5%	26.3%	29.8%	26%
TERMINAL (d)	4/31 (13%)	10/33 (30%)	8/28 (29%)	8/33 (24%)
FIRST INCIDENCE	330	689	505	678

STATISTICAL TESTS

POLY 3	P=0.275	P=0.273	P=0.170	P=0.284
POLY 1.5	P=0.262	P=0.279	P=0.182	P=0.274
POLY 6	P=0.293	P=0.266	P=0.156	P=0.298
COCH-ARM / FISHERS	P=0.297	P=0.306	P=0.212	P=0.306
MAX-ISO-POLY-3	P=0.257	P=0.197	P=0.119	P=0.206

TDMS No. 99023 - 03
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: RATS/F 344

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
 beta-Myrcene
 CAS Number: 123-35-3

Date Report Requested: 08/18/2008
 Time Report Requested: 09:54:07
 First Dose M/F: 03/25/02 / 03/26/02
 Lab: BAT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(F 344)
 TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Females			
	0 G/KG	0.25 G/KG	0.5 G/KG	1.0 G/KG

**Liver: Centrilobular
 Degeneration**

LESION RATES

OVERALL (a)	1/50 (2%)	0/50 (0%)	2/49 (4%)	1/50 (2%)
POLY-3 RATE (b)	1/41.62	0/41.64	2/40.09	1/41.95
POLY-3 PERCENT (g)	2.4%	0%	5%	2.4%
TERMINAL (d)	0/31 (0%)	0/33 (0%)	0/28 (0%)	0/33 (0%)
FIRST INCIDENCE	644	---	556	716

STATISTICAL TESTS

POLY 3	P=0.503	P=0.500N	P=0.487	P=0.759N
POLY 1.5	P=0.494	P=0.501N	P=0.488	P=0.757
POLY 6	P=0.513	P=0.499N	P=0.486	P=0.754N
COCH-ARM / FISHERS	P=0.499	P=0.500N	P=0.492	P=0.753N
MAX-ISO-POLY-3	P=0.378	P=0.158N	P=0.272	P=0.497N

TDMS No. 99023 - 03
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: RATS/F 344

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
beta-Myrcene
CAS Number: 123-35-3

Date Report Requested: 08/18/2008
Time Report Requested: 09:54:07
First Dose M/F: 03/25/02 / 03/26/02
Lab: BAT

STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(F 344)
TERMINAL SACRIFICE AT 105 WEEKS

DOSE	Females			
	0 G/KG	0.25 G/KG	0.5 G/KG	1.0 G/KG

Liver: Centrilobular
Necrosis

LESION RATES

OVERALL (a)	0/50 (0%)	0/50 (0%)	2/49 (4%)	0/50 (0%)
POLY-3 RATE (b)	0/41.30	0/41.64	2/39.71	0/41.89
POLY-3 PERCENT (g)	0%	0%	5%	0%
TERMINAL (d)	0/31 (0%)	0/33 (0%)	0/28 (0%)	0/33 (0%)
FIRST INCIDENCE	---	---	618	---

STATISTICAL TESTS

POLY 3	P=0.603	(e)	P=0.228	(e)
POLY 1.5	P=0.589	(e)	P=0.229	(e)
POLY 6	P=0.618	(e)	P=0.227	(e)
COCH-ARM / FISHERS	P=0.594	(e)	P=0.242	(e)
MAX-ISO-POLY-3	P=0.247	(e)	P=0.074	(e)

TDMS No. 99023 - 03
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: RATS/F 344

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
 beta-Myrcene
 CAS Number: 123-35-3

Date Report Requested: 08/18/2008
 Time Report Requested: 09:54:07
 First Dose M/F: 03/25/02 / 03/26/02
 Lab: BAT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(F 344)
 TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Females			
	0 G/KG	0.25 G/KG	0.5 G/KG	1.0 G/KG

**Lung
 Inflammation**

LESION RATES

OVERALL (a)	34/50 (68%)	43/50 (86%)	40/49 (82%)	32/50 (64%)
POLY-3 RATE (b)	34/44.13	43/46.58	40/43.90	32/43.65
POLY-3 PERCENT (g)	77.1%	92.3%	91.1%	73.3%
TERMINAL (d)	28/31 (90%)	32/33 (97%)	26/28 (93%)	26/33 (79%)
FIRST INCIDENCE	330	197	505	560

STATISTICAL TESTS

POLY 3	P=0.173N	P=0.026*	P=0.047*	P=0.434N
POLY 1.5	P=0.236N	P=0.020*	P=0.045*	P=0.498N
POLY 6	P=0.102N	P=0.042*	P=0.075	P=0.343N
COCH-ARM / FISHERS	P=0.173N	P=0.028*	P=0.091	P=0.417N
MAX-ISO-POLY-3	P=0.049N*	P=0.013*	P=0.023*	P=0.335N

TDMS No. 99023 - 03
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: RATS/F 344

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
 beta-Myrcene
 CAS Number: 123-35-3

Date Report Requested: 08/18/2008
 Time Report Requested: 09:54:07
 First Dose M/F: 03/25/02 / 03/26/02
 Lab: BAT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(F 344)
 TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Females			
	0 G/KG	0.25 G/KG	0.5 G/KG	1.0 G/KG

**Lung
 Metaplasia Osseous**

LESION RATES

OVERALL (a)	1/50 (2%)	0/50 (0%)	0/49 (0%)	2/50 (4%)
POLY-3 RATE (b)	1/41.30	0/41.64	0/39.20	2/41.89
POLY-3 PERCENT (g)	2.4%	0%	0%	4.8%
TERMINAL (d)	1/31 (3%)	0/33 (0%)	0/28 (0%)	2/33 (6%)
FIRST INCIDENCE	730 (T)	---	---	730 (T)

STATISTICAL TESTS

POLY 3	P=0.245	P=0.498N	P=0.510N	P=0.505
POLY 1.5	P=0.243	P=0.500N	P=0.508N	P=0.496
POLY 6	P=0.247	P=0.496N	P=0.513N	P=0.515
COCH-ARM / FISHERS	P=0.246	P=0.500N	P=0.505N	P=0.500
MAX-ISO-POLY-3	P=0.142	P=0.158N	P=0.170N	P=0.286

TDMS No. 99023 - 03
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: RATS/F 344

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
 beta-Myrcene
 CAS Number: 123-35-3

Date Report Requested: 08/18/2008
 Time Report Requested: 09:54:07
 First Dose M/F: 03/25/02 / 03/26/02
 Lab: BAT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(F 344)
 TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Females			
	0 G/KG	0.25 G/KG	0.5 G/KG	1.0 G/KG

**Lung: Alveolar Epithelium
 Hyperplasia**

LESION RATES

OVERALL (a)	6/50 (12%)	3/50 (6%)	4/49 (8%)	7/50 (14%)
POLY-3 RATE (b)	6/41.30	3/41.64	4/39.59	7/41.89
POLY-3 PERCENT (g)	14.5%	7.2%	10.1%	16.7%
TERMINAL (d)	6/31 (19%)	3/33 (9%)	3/28 (11%)	7/33 (21%)
FIRST INCIDENCE	730 (T)	730 (T)	618	730 (T)

STATISTICAL TESTS

POLY 3	P=0.317	P=0.236N	P=0.395N	P=0.511
POLY 1.5	P=0.307	P=0.242N	P=0.392N	P=0.491
POLY 6	P=0.330	P=0.229N	P=0.398N	P=0.534
COCH-ARM / FISHERS	P=0.315	P=0.243N	P=0.383N	P=0.500
MAX-ISO-POLY-3	P=0.320	P=0.143N	P=0.277N	P=0.391

TDMS No. 99023 - 03
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: RATS/F 344

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
 beta-Myrcene
 CAS Number: 123-35-3

Date Report Requested: 08/18/2008
 Time Report Requested: 09:54:07
 First Dose M/F: 03/25/02 / 03/26/02
 Lab: BAT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(F 344)
 TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Females			
	0 G/KG	0.25 G/KG	0.5 G/KG	1.0 G/KG

**Lymph Node: Mediastinal
 Hyperplasia Lymphoid**

LESION RATES

OVERALL (a)	1/5 (20%)	2/3 (67%)	0/2 (0%)	1/6 (17%)
POLY-3 RATE (b)	1/4.61	2/3.00	0/1.13	1/5.80
POLY-3 PERCENT (g)	21.7%	66.7%	0%	17.2%
TERMINAL (d)	1/4 (25%)	0/1 (0%)	0/1 (0%)	0/4 (0%)
FIRST INCIDENCE	730 (T)	651	---	683

STATISTICAL TESTS

POLY 3	P=0.381N	P=0.317	P=0.735N	P=0.710N
POLY 1.5	P=0.391N	P=0.304	P=0.719N	P=0.714N
POLY 6	P=0.369N	P=0.338	P=0.740N	P=0.705N
COCH-ARM / FISHERS	P=0.400N	P=0.286	P=0.714N	P=0.727N
MAX-ISO-POLY-3	P=0.326N	P=0.129	P=0.377N	P=0.437N

TDMS No. 99023 - 03
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: RATS/F 344

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
 beta-Myrcene
 CAS Number: 123-35-3

Date Report Requested: 08/18/2008
 Time Report Requested: 09:54:07
 First Dose M/F: 03/25/02 / 03/26/02
 Lab: BAT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(F 344)
 TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Females			
	0 G/KG	0.25 G/KG	0.5 G/KG	1.0 G/KG

**Mammary Gland
 Cyst**

LESION RATES

OVERALL (a)	2/50 (4%)	1/50 (2%)	2/50 (4%)	2/50 (4%)
POLY-3 RATE (b)	2/41.30	1/41.64	2/39.42	2/41.89
POLY-3 PERCENT (g)	4.8%	2.4%	5.1%	4.8%
TERMINAL (d)	2/31 (7%)	1/33 (3%)	1/28 (4%)	2/33 (6%)
FIRST INCIDENCE	730 (T)	730 (T)	716	730 (T)

STATISTICAL TESTS

POLY 3	P=0.530	P=0.497N	P=0.678	P=0.689N
POLY 1.5	P=0.520	P=0.501N	P=0.683	P=0.690
POLY 6	P=0.541	P=0.493N	P=0.673	P=0.679N
COCH-ARM / FISHERS	P=0.526	P=0.500N	P=0.691N	P=0.691N
MAX-ISO-POLY-3	P=0.603	P=0.279N	P=0.480	P=0.493N

TDMS No. 99023 - 03
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: RATS/F 344

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
 beta-Myrcene
 CAS Number: 123-35-3

Date Report Requested: 08/18/2008
 Time Report Requested: 09:54:07
 First Dose M/F: 03/25/02 / 03/26/02
 Lab: BAT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(F 344)
 TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Females			
	0 G/KG	0.25 G/KG	0.5 G/KG	1.0 G/KG

**Mesentery: Fat
 Necrosis**

LESION RATES

OVERALL (a)	6/7 (86%)	13/13 (100%)	7/7 (100%)	9/9 (100%)
POLY-3 RATE (b)	6/6.11	13/13.00	7/7.00	9/9.00
POLY-3 PERCENT (g)	98.3%	100%	100%	100%
TERMINAL (d)	5/5 (100%)	11/11 (100%)	6/6 (100%)	5/5 (100%)
FIRST INCIDENCE	708	666	687	435

STATISTICAL TESTS

POLY 3	P=1.000	P=1.000	P=1.000	P=1.000
POLY 1.5	P=0.845	P=0.963	P=0.972	P=0.967
POLY 6	P=1.000	P=1.000	P=1.000	P=1.000
COCH-ARM / FISHERS	P=0.299	P=0.350	P=0.500	P=0.438
MAX-ISO-POLY-3	P=0.087	P=0.121	P=0.175	P=0.154

TDMS No. 99023 - 03
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: RATS/F 344

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
 beta-Myrcene
 CAS Number: 123-35-3

Date Report Requested: 08/18/2008
 Time Report Requested: 09:54:07
 First Dose M/F: 03/25/02 / 03/26/02
 Lab: BAT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(F 344)
 TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Females			
	0 G/KG	0.25 G/KG	0.5 G/KG	1.0 G/KG

**Nose
 Inflammation Chronic**

LESION RATES

OVERALL (a)	16/50 (32%)	10/50 (20%)	13/50 (26%)	10/50 (20%)
POLY-3 RATE (b)	16/44.53	10/43.38	13/41.18	10/43.52
POLY-3 PERCENT (g)	35.9%	23.1%	31.6%	23%
TERMINAL (d)	9/31 (29%)	7/33 (21%)	8/28 (29%)	6/33 (18%)
FIRST INCIDENCE	330	66	592	64

STATISTICAL TESTS

POLY 3	P=0.173N	P=0.136N	P=0.421N	P=0.134N
POLY 1.5	P=0.181N	P=0.133N	P=0.394N	P=0.141N
POLY 6	P=0.164N	P=0.137N	P=0.442N	P=0.127N
COCH-ARM / FISHERS	P=0.165N	P=0.127N	P=0.330N	P=0.127N
MAX-ISO-POLY-3	P=0.138N	P=0.094N	P=0.339N	P=0.092N

TDMS No. 99023 - 03
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: RATS/F 344

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
 beta-Myrcene
 CAS Number: 123-35-3

Date Report Requested: 08/18/2008
 Time Report Requested: 09:54:07
 First Dose M/F: 03/25/02 / 03/26/02
 Lab: BAT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(F 344)
 TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Females			
	0 G/KG	0.25 G/KG	0.5 G/KG	1.0 G/KG

**Nose: Olfactory Epithelium
 Degeneration**

LESION RATES

OVERALL (a)	45/50 (90%)	44/50 (88%)	45/50 (90%)	48/50 (96%)
POLY-3 RATE (b)	45/47.79	44/46.85	45/48.04	48/48.00
POLY-3 PERCENT (g)	94.2%	93.9%	93.7%	100%
TERMINAL (d)	30/31 (97%)	31/33 (94%)	26/28 (93%)	33/33 (100%)
FIRST INCIDENCE	291	66	283	49

STATISTICAL TESTS

POLY 3	P=0.090	P=0.662N	P=0.634N	P=0.114
POLY 1.5	P=0.057	P=0.617N	P=0.658N	P=0.074
POLY 6	P=0.133	P=0.686N	P=0.594N	P=0.161
COCH-ARM / FISHERS	P=0.139	P=0.500N	P=0.630N	P=0.218
MAX-ISO-POLY-3	P=0.098	P=0.478N	P=0.457N	P=0.031*

TDMS No. 99023 - 03
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: RATS/F 344

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
 beta-Myrcene
 CAS Number: 123-35-3

Date Report Requested: 08/18/2008
 Time Report Requested: 09:54:07
 First Dose M/F: 03/25/02 / 03/26/02
 Lab: BAT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(F 344)
 TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Females			
	0 G/KG	0.25 G/KG	0.5 G/KG	1.0 G/KG

Ovary
 Cyst

LESION RATES

OVERALL (a)	3/50 (6%)	7/50 (14%)	6/50 (12%)	4/50 (8%)
POLY-3 RATE (b)	3/41.39	7/41.64	6/40.70	4/42.39
POLY-3 PERCENT (g)	7.3%	16.8%	14.7%	9.4%
TERMINAL (d)	2/31 (7%)	7/33 (21%)	4/28 (14%)	3/33 (9%)
FIRST INCIDENCE	708	730 (T)	283	578

STATISTICAL TESTS

POLY 3	P=0.546N	P=0.157	P=0.232	P=0.513
POLY 1.5	P=0.558	P=0.155	P=0.236	P=0.497
POLY 6	P=0.519N	P=0.160	P=0.227	P=0.532
COCH-ARM / FISHERS	P=0.563	P=0.159	P=0.243	P=0.500
MAX-ISO-POLY-3	P=0.300	P=0.090	P=0.140	P=0.360

TDMS No. 99023 - 03
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: RATS/F 344

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
 beta-Myrcene
 CAS Number: 123-35-3

Date Report Requested: 08/18/2008
 Time Report Requested: 09:54:07
 First Dose M/F: 03/25/02 / 03/26/02
 Lab: BAT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(F 344)
 TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Females			
	0 G/KG	0.25 G/KG	0.5 G/KG	1.0 G/KG

**Pancreas: Acinus
 Atrophy**

LESION RATES

OVERALL (a)	9/50 (18%)	9/50 (18%)	10/49 (20%)	3/50 (6%)
POLY-3 RATE (b)	9/41.97	9/42.62	10/39.26	3/41.89
POLY-3 PERCENT (g)	21.4%	21.1%	25.5%	7.2%
TERMINAL (d)	7/31 (23%)	8/33 (24%)	9/28 (32%)	3/33 (9%)
FIRST INCIDENCE	631	197	716	730 (T)

STATISTICAL TESTS

POLY 3	P=0.051N	P=0.590N	P=0.434	P=0.058N
POLY 1.5	P=0.058N	P=0.595N	P=0.451	P=0.063N
POLY 6	P=0.045N*	P=0.589N	P=0.410	P=0.053N
COCH-ARM / FISHERS	P=0.054N	P=0.602N	P=0.480	P=0.061N
MAX-ISO-POLY-3	P=0.050N*	P=0.485N	P=0.337	P=0.029N*

TDMS No. 99023 - 03
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: RATS/F 344

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
 beta-Myrcene
 CAS Number: 123-35-3

Date Report Requested: 08/18/2008
 Time Report Requested: 09:54:07
 First Dose M/F: 03/25/02 / 03/26/02
 Lab: BAT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(F 344)
 TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Females			
	0 G/KG	0.25 G/KG	0.5 G/KG	1.0 G/KG

**Pancreas: Acinus
 Hyperplasia**

LESION RATES

OVERALL (a)	1/50 (2%)	0/50 (0%)	1/49 (2%)	0/50 (0%)
POLY-3 RATE (b)	1/41.30	0/41.64	1/39.31	0/41.89
POLY-3 PERCENT (g)	2.4%	0%	2.5%	0%
TERMINAL (d)	1/31 (3%)	0/33 (0%)	0/28 (0%)	0/33 (0%)
FIRST INCIDENCE	730 (T)	---	701	---

STATISTICAL TESTS

POLY 3	P=0.406N	P=0.498N	P=0.750	P=0.497N
POLY 1.5	P=0.408N	P=0.500N	P=0.752	P=0.502N
POLY 6	P=0.403N	P=0.496N	P=0.748	P=0.491N
COCH-ARM / FISHERS	P=0.406N	P=0.500N	P=0.747	P=0.500N
MAX-ISO-POLY-3	P=0.256N	P=0.158N	P=0.485	P=0.158N

TDMS No. 99023 - 03
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: RATS/F 344

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
 beta-Myrcene
 CAS Number: 123-35-3

Date Report Requested: 08/18/2008
 Time Report Requested: 09:54:07
 First Dose M/F: 03/25/02 / 03/26/02
 Lab: BAT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(F 344)
 TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Females			
	0 G/KG	0.25 G/KG	0.5 G/KG	1.0 G/KG

**Pancreas: Duct
 Cyst**

LESION RATES

OVERALL (a)	3/50 (6%)	2/50 (4%)	3/49 (6%)	4/50 (8%)
POLY-3 RATE (b)	3/41.66	2/41.64	3/39.83	4/42.39
POLY-3 PERCENT (g)	7.2%	4.8%	7.5%	9.4%
TERMINAL (d)	2/31 (7%)	2/33 (6%)	1/28 (4%)	3/33 (9%)
FIRST INCIDENCE	631	730 (T)	618	578

STATISTICAL TESTS

POLY 3	P=0.351	P=0.500N	P=0.642	P=0.510
POLY 1.5	P=0.339	P=0.503N	P=0.645	P=0.495
POLY 6	P=0.365	P=0.497N	P=0.640	P=0.526
COCH-ARM / FISHERS	P=0.343	P=0.500N	P=0.651	P=0.500
MAX-ISO-POLY-3	P=0.440	P=0.323N	P=0.477	P=0.356

TDMS No. 99023 - 03
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: RATS/F 344

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
 beta-Myrcene
 CAS Number: 123-35-3

Date Report Requested: 08/18/2008
 Time Report Requested: 09:54:07
 First Dose M/F: 03/25/02 / 03/26/02
 Lab: BAT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(F 344)
 TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Females			
	0 G/KG	0.25 G/KG	0.5 G/KG	1.0 G/KG

**Pituitary Gland
 Angiectasis**

LESION RATES

OVERALL (a)	17/50 (34%)	24/50 (48%)	16/50 (32%)	14/50 (28%)
POLY-3 RATE (b)	17/42.97	24/44.32	16/42.20	14/42.48
POLY-3 PERCENT (g)	39.6%	54.2%	37.9%	33%
TERMINAL (d)	13/31 (42%)	16/33 (49%)	9/28 (32%)	12/33 (36%)
FIRST INCIDENCE	497	385	366	588

STATISTICAL TESTS

POLY 3	P=0.134N	P=0.121	P=0.527N	P=0.340N
POLY 1.5	P=0.148N	P=0.109	P=0.521N	P=0.362N
POLY 6	P=0.121N	P=0.140	P=0.525N	P=0.317N
COCH-ARM / FISHERS	P=0.131N	P=0.111	P=0.500N	P=0.333N
MAX-ISO-POLY-3	P=0.146N	P=0.085	P=0.436N	P=0.263N

TDMS No. 99023 - 03
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: RATS/F 344

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
 beta-Myrcene
 CAS Number: 123-35-3

Date Report Requested: 08/18/2008
 Time Report Requested: 09:54:07
 First Dose M/F: 03/25/02 / 03/26/02
 Lab: BAT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(F 344)
 TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Females			
	0 G/KG	0.25 G/KG	0.5 G/KG	1.0 G/KG

**Pituitary Gland
 Cyst**

LESION RATES

OVERALL (a)	14/50 (28%)	22/50 (44%)	16/50 (32%)	9/50 (18%)
POLY-3 RATE (b)	14/42.21	22/43.45	16/40.99	9/42.71
POLY-3 PERCENT (g)	33.2%	50.6%	39%	21.1%
TERMINAL (d)	11/31 (36%)	18/33 (55%)	11/28 (39%)	6/33 (18%)
FIRST INCIDENCE	606	408	505	560

STATISTICAL TESTS

POLY 3	P=0.039N*	P=0.073	P=0.370	P=0.155N
POLY 1.5	P=0.049N*	P=0.068	P=0.382	P=0.174N
POLY 6	P=0.029N*	P=0.080	P=0.363	P=0.135N
COCH-ARM / FISHERS	P=0.051N	P=0.072	P=0.414	P=0.171N
MAX-ISO-POLY-3	P=0.030N*	P=0.049*	P=0.290	P=0.104N

TDMS No. 99023 - 03
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: RATS/F 344

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
 beta-Myrcene
 CAS Number: 123-35-3

Date Report Requested: 08/18/2008
 Time Report Requested: 09:54:07
 First Dose M/F: 03/25/02 / 03/26/02
 Lab: BAT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(F 344)
 TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Females			
	0 G/KG	0.25 G/KG	0.5 G/KG	1.0 G/KG

**Pituitary Gland
 Fibrosis**

LESION RATES

OVERALL (a)	1/50 (2%)	2/50 (4%)	0/50 (0%)	0/50 (0%)
POLY-3 RATE (b)	1/42.21	2/41.64	0/39.36	0/41.89
POLY-3 PERCENT (g)	2.4%	4.8%	0%	0%
TERMINAL (d)	0/31 (0%)	2/33 (6%)	0/28 (0%)	0/33 (0%)
FIRST INCIDENCE	330	730 (T)	---	---

STATISTICAL TESTS

POLY 3	P=0.192N	P=0.495	P=0.514N	P=0.502N
POLY 1.5	P=0.194N	P=0.494	P=0.510N	P=0.506N
POLY 6	P=0.190N	P=0.498	P=0.518N	P=0.496N
COCH-ARM / FISHERS	P=0.188N	P=0.500	P=0.500N	P=0.500N
MAX-ISO-POLY-3	P=0.172N	P=0.277	P=0.175N	P=0.160N

TDMS No. 99023 - 03
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: RATS/F 344

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
 beta-Myrcene
 CAS Number: 123-35-3

Date Report Requested: 08/18/2008
 Time Report Requested: 09:54:07
 First Dose M/F: 03/25/02 / 03/26/02
 Lab: BAT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(F 344)
 TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Females			
	0 G/KG	0.25 G/KG	0.5 G/KG	1.0 G/KG

**Pituitary Gland: Pars Distalis
 Hyperplasia**

LESION RATES

OVERALL (a)	14/50 (28%)	13/50 (26%)	15/50 (30%)	10/50 (20%)
POLY-3 RATE (b)	14/42.76	13/42.92	15/39.99	10/41.95
POLY-3 PERCENT (g)	32.7%	30.3%	37.5%	23.8%
TERMINAL (d)	12/31 (39%)	10/33 (30%)	12/28 (43%)	9/33 (27%)
FIRST INCIDENCE	330	408	666	716

STATISTICAL TESTS

POLY 3	P=0.241N	P=0.495N	P=0.411	P=0.251N
POLY 1.5	P=0.255N	P=0.508N	P=0.437	P=0.268N
POLY 6	P=0.222N	P=0.475N	P=0.393	P=0.230N
COCH-ARM / FISHERS	P=0.223N	P=0.500N	P=0.500	P=0.241N
MAX-ISO-POLY-3	P=0.273N	P=0.401N	P=0.328	P=0.183N

TDMS No. 99023 - 03
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: RATS/F 344

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
beta-Myrcene
CAS Number: 123-35-3

Date Report Requested: 08/18/2008
Time Report Requested: 09:54:07
First Dose M/F: 03/25/02 / 03/26/02
Lab: BAT

STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(F 344)
TERMINAL SACRIFICE AT 105 WEEKS

DOSE	Females			
	0 G/KG	0.25 G/KG	0.5 G/KG	1.0 G/KG

Spleen
Atrophy

LESION RATES

OVERALL (a)	6/50 (12%)	2/50 (4%)	3/50 (6%)	2/50 (4%)
POLY-3 RATE (b)	6/44.16	2/43.21	3/40.50	2/41.89
POLY-3 PERCENT (g)	13.6%	4.6%	7.4%	4.8%
TERMINAL (d)	0/31 (0%)	0/33 (0%)	1/28 (4%)	2/33 (6%)
FIRST INCIDENCE	330	66	342	730 (T)

STATISTICAL TESTS

POLY 3	P=0.144N	P=0.139N	P=0.286N	P=0.150N
POLY 1.5	P=0.145N	P=0.138N	P=0.271N	P=0.151N
POLY 6	P=0.143N	P=0.141N	P=0.303N	P=0.148N
COCH-ARM / FISHERS	P=0.132N	P=0.134N	P=0.243N	P=0.134N
MAX-ISO-POLY-3	P=0.103N	P=0.074N	P=0.189N	P=0.085N

TDMS No. 99023 - 03
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: RATS/F 344

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
beta-Myrcene
CAS Number: 123-35-3

Date Report Requested: 08/18/2008
Time Report Requested: 09:54:07
First Dose M/F: 03/25/02 / 03/26/02
Lab: BAT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(F 344)
TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Females			
	0 G/KG	0.25 G/KG	0.5 G/KG	1.0 G/KG

**Spleen
Congestion**

LESION RATES

OVERALL (a)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
POLY-3 RATE (b)	0/41.30	0/41.64	0/39.36	0/41.89
POLY-3 PERCENT (g)	0%	0%	0%	0%
TERMINAL (d)	0/31 (0%)	0/33 (0%)	0/28 (0%)	0/33 (0%)
FIRST INCIDENCE	---	---	---	---

STATISTICAL TESTS

POLY 3	(e)	(e)	(e)	(e)
POLY 1.5	(e)	(e)	(e)	(e)
POLY 6	(e)	(e)	(e)	(e)
COCH-ARM / FISHERS	(e)	(e)	(e)	(e)
MAX-ISO-POLY-3	(e)	(e)	(e)	(e)

TDMS No. 99023 - 03
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: RATS/F 344

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
 beta-Myrcene
 CAS Number: 123-35-3

Date Report Requested: 08/18/2008
 Time Report Requested: 09:54:07
 First Dose M/F: 03/25/02 / 03/26/02
 Lab: BAT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(F 344)
 TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Females			
	0 G/KG	0.25 G/KG	0.5 G/KG	1.0 G/KG

**Spleen
 Fibrosis**

LESION RATES

OVERALL (a)	0/50 (0%)	0/50 (0%)	1/50 (2%)	0/50 (0%)
POLY-3 RATE (b)	0/41.30	0/41.64	1/39.48	0/41.89
POLY-3 PERCENT (g)	0%	0%	2.5%	0%
TERMINAL (d)	0/31 (0%)	0/33 (0%)	0/28 (0%)	0/33 (0%)
FIRST INCIDENCE	---	---	701	---

STATISTICAL TESTS

POLY 3	P=0.702	(e)	P=0.491	(e)
POLY 1.5	P=0.691	(e)	P=0.494	(e)
POLY 6	P=0.713	(e)	P=0.488	(e)
COCH-ARM / FISHERS	P=0.694	(e)	P=0.500	(e)
MAX-ISO-POLY-3	P=0.382	(e)	P=0.158	(e)

TDMS No. 99023 - 03
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: RATS/F 344

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
beta-Myrcene
CAS Number: 123-35-3

Date Report Requested: 08/18/2008
Time Report Requested: 09:54:07
First Dose M/F: 03/25/02 / 03/26/02
Lab: BAT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(F 344)
TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Females			
	0 G/KG	0.25 G/KG	0.5 G/KG	1.0 G/KG

**Spleen
Hematopoietic Cell Proliferation**

LESION RATES

OVERALL (a)	7/50 (14%)	12/50 (24%)	13/50 (26%)	9/50 (18%)
POLY-3 RATE (b)	7/43.46	12/44.41	13/41.21	9/42.69
POLY-3 PERCENT (g)	16.1%	27%	31.5%	21.1%
TERMINAL (d)	4/31 (13%)	6/33 (18%)	7/28 (25%)	7/33 (21%)
FIRST INCIDENCE	291	408	556	560

STATISTICAL TESTS

POLY 3	P=0.405	P=0.162	P=0.076	P=0.376
POLY 1.5	P=0.387	P=0.151	P=0.081	P=0.361
POLY 6	P=0.432	P=0.179	P=0.075	P=0.399
COCH-ARM / FISHERS	P=0.441	P=0.154	P=0.105	P=0.393
MAX-ISO-POLY-3	P=0.208	P=0.108	P=0.049*	P=0.279

TDMS No. 99023 - 03
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: RATS/F 344

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
 beta-Myrcene
 CAS Number: 123-35-3

Date Report Requested: 08/18/2008
 Time Report Requested: 09:54:07
 First Dose M/F: 03/25/02 / 03/26/02
 Lab: BAT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(F 344)
 TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Females			
	0 G/KG	0.25 G/KG	0.5 G/KG	1.0 G/KG

**Stomach, Forestomach
 Inflammation Chronic**

LESION RATES

OVERALL (a)	1/50 (2%)	1/50 (2%)	2/49 (4%)	3/50 (6%)
POLY-3 RATE (b)	1/41.30	1/42.21	2/39.53	3/42.50
POLY-3 PERCENT (g)	2.4%	2.4%	5.1%	7.1%
TERMINAL (d)	1/31 (3%)	0/33 (0%)	1/28 (4%)	1/33 (3%)
FIRST INCIDENCE	730 (T)	548	637	560

STATISTICAL TESTS

POLY 3	P=0.170	P=0.756N	P=0.485	P=0.315
POLY 1.5	P=0.163	P=0.759N	P=0.487	P=0.304
POLY 6	P=0.179	P=0.752N	P=0.483	P=0.329
COCH-ARM / FISHERS	P=0.165	P=0.753N	P=0.492	P=0.309
MAX-ISO-POLY-3	P=0.238	P=0.493N	P=0.270	P=0.164

TDMS No. 99023 - 03
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: RATS/F 344

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
 beta-Myrcene
 CAS Number: 123-35-3

Date Report Requested: 08/18/2008
 Time Report Requested: 09:54:07
 First Dose M/F: 03/25/02 / 03/26/02
 Lab: BAT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(F 344)
 TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Females			
	0 G/KG	0.25 G/KG	0.5 G/KG	1.0 G/KG

**Stomach, Forestomach
 Ulcer**

LESION RATES

OVERALL (a)	0/50 (0%)	0/50 (0%)	1/49 (2%)	1/50 (2%)
POLY-3 RATE (b)	0/41.30	0/41.64	1/39.53	1/41.89
POLY-3 PERCENT (g)	0%	0%	2.5%	2.4%
TERMINAL (d)	0/31 (0%)	0/33 (0%)	0/28 (0%)	1/33 (3%)
FIRST INCIDENCE	---	---	637	730 (T)

STATISTICAL TESTS

POLY 3	P=0.240	(e)	P=0.491	P=0.503
POLY 1.5	P=0.233	(e)	P=0.492	P=0.498
POLY 6	P=0.248	(e)	P=0.490	P=0.509
COCH-ARM / FISHERS	P=0.236	(e)	P=0.495	P=0.500
MAX-ISO-POLY-3	P=0.250	(e)	P=0.157	P=0.162

TDMS No. 99023 - 03
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: RATS/F 344

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
 beta-Myrcene
 CAS Number: 123-35-3

Date Report Requested: 08/18/2008
 Time Report Requested: 09:54:07
 First Dose M/F: 03/25/02 / 03/26/02
 Lab: BAT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(F 344)
 TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Females			
	0 G/KG	0.25 G/KG	0.5 G/KG	1.0 G/KG

**Stomach, Glandular
 Inflammation Chronic**

LESION RATES

OVERALL (a)	0/50 (0%)	0/50 (0%)	0/49 (0%)	0/50 (0%)
POLY-3 RATE (b)	0/41.30	0/41.64	0/39.20	0/41.89
POLY-3 PERCENT (g)	0%	0%	0%	0%
TERMINAL (d)	0/31 (0%)	0/33 (0%)	0/28 (0%)	0/33 (0%)
FIRST INCIDENCE	---	---	---	---

STATISTICAL TESTS

POLY 3	(e)	(e)	(e)	(e)
POLY 1.5	(e)	(e)	(e)	(e)
POLY 6	(e)	(e)	(e)	(e)
COCH-ARM / FISHERS	(e)	(e)	(e)	(e)
MAX-ISO-POLY-3	(e)	(e)	(e)	(e)

TDMS No. 99023 - 03
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: RATS/F 344

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
 beta-Myrcene
 CAS Number: 123-35-3

Date Report Requested: 08/18/2008
 Time Report Requested: 09:54:07
 First Dose M/F: 03/25/02 / 03/26/02
 Lab: BAT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(F 344)
 TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Females			
	0 G/KG	0.25 G/KG	0.5 G/KG	1.0 G/KG

**Stomach, Glandular
 Mineralization**

LESION RATES

OVERALL (a)	1/50 (2%)	4/50 (8%)	0/49 (0%)	1/50 (2%)
POLY-3 RATE (b)	1/41.56	4/43.43	0/39.20	1/41.89
POLY-3 PERCENT (g)	2.4%	9.2%	0%	2.4%
TERMINAL (d)	0/31 (0%)	1/33 (3%)	0/28 (0%)	1/33 (3%)
FIRST INCIDENCE	661	408	---	730 (T)

STATISTICAL TESTS

POLY 3	P=0.335N	P=0.192	P=0.512N	P=0.759N
POLY 1.5	P=0.342N	P=0.185	P=0.509N	P=0.757
POLY 6	P=0.329N	P=0.198	P=0.515N	P=0.754N
COCH-ARM / FISHERS	P=0.338N	P=0.181	P=0.505N	P=0.753N
MAX-ISO-POLY-3	P=0.204N	P=0.096	P=0.172N	P=0.497N

TDMS No. 99023 - 03
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: RATS/F 344

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
 beta-Myrcene
 CAS Number: 123-35-3

Date Report Requested: 08/18/2008
 Time Report Requested: 09:54:07
 First Dose M/F: 03/25/02 / 03/26/02
 Lab: BAT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(F 344)
 TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Females			
	0 G/KG	0.25 G/KG	0.5 G/KG	1.0 G/KG

**Stomach, Glandular
 Ulcer**

LESION RATES

OVERALL (a)	0/50 (0%)	0/50 (0%)	0/49 (0%)	0/50 (0%)
POLY-3 RATE (b)	0/41.30	0/41.64	0/39.20	0/41.89
POLY-3 PERCENT (g)	0%	0%	0%	0%
TERMINAL (d)	0/31 (0%)	0/33 (0%)	0/28 (0%)	0/33 (0%)
FIRST INCIDENCE	---	---	---	---

STATISTICAL TESTS

POLY 3	(e)	(e)	(e)	(e)
POLY 1.5	(e)	(e)	(e)	(e)
POLY 6	(e)	(e)	(e)	(e)
COCH-ARM / FISHERS	(e)	(e)	(e)	(e)
MAX-ISO-POLY-3	(e)	(e)	(e)	(e)

TDMS No. 99023 - 03
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: RATS/F 344

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
 beta-Myrcene
 CAS Number: 123-35-3

Date Report Requested: 08/18/2008
 Time Report Requested: 09:54:07
 First Dose M/F: 03/25/02 / 03/26/02
 Lab: BAT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(F 344)
 TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Females			
	0 G/KG	0.25 G/KG	0.5 G/KG	1.0 G/KG

**Stomach, Glandular: Epithelium
 Ectasia**

LESION RATES

OVERALL (a)	38/50 (76%)	39/50 (78%)	36/49 (73%)	38/50 (76%)
POLY-3 RATE (b)	38/43.97	39/45.50	36/43.26	38/44.48
POLY-3 PERCENT (g)	86.4%	85.7%	83.2%	85.4%
TERMINAL (d)	29/31 (94%)	29/33 (88%)	24/28 (86%)	30/33 (91%)
FIRST INCIDENCE	497	408	505	435

STATISTICAL TESTS

POLY 3	P=0.495N	P=0.589N	P=0.448N	P=0.574N
POLY 1.5	P=0.537	P=0.576	P=0.478N	P=0.571
POLY 6	P=0.419N	P=0.513N	P=0.396N	P=0.482N
COCH-ARM / FISHERS	P=0.497N	P=0.500	P=0.477N	P=0.592N
MAX-ISO-POLY-3	P=0.602N	P=0.458N	P=0.324N	P=0.441N

TDMS No. 99023 - 03
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: RATS/F 344

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
 beta-Myrcene
 CAS Number: 123-35-3

Date Report Requested: 08/18/2008
 Time Report Requested: 09:54:07
 First Dose M/F: 03/25/02 / 03/26/02
 Lab: BAT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(F 344)
 TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Females			
	0 G/KG	0.25 G/KG	0.5 G/KG	1.0 G/KG

**Stomach, Glandular: Epithelium
 Hyperplasia**

LESION RATES

OVERALL (a)	0/50 (0%)	0/50 (0%)	0/49 (0%)	1/50 (2%)
POLY-3 RATE (b)	0/41.30	0/41.64	0/39.20	1/41.95
POLY-3 PERCENT (g)	0%	0%	0%	2.4%
TERMINAL (d)	0/31 (0%)	0/33 (0%)	0/28 (0%)	0/33 (0%)
FIRST INCIDENCE	---	---	---	716

STATISTICAL TESTS

POLY 3	P=0.201	(e)	(e)	P=0.503
POLY 1.5	P=0.198	(e)	(e)	P=0.498
POLY 6	P=0.205	(e)	(e)	P=0.509
COCH-ARM / FISHERS	P=0.199	(e)	(e)	P=0.500
MAX-ISO-POLY-3	P=0.129	(e)	(e)	P=0.162

TDMS No. 99023 - 03
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: RATS/F 344

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
 beta-Myrcene
 CAS Number: 123-35-3

Date Report Requested: 08/18/2008
 Time Report Requested: 09:54:07
 First Dose M/F: 03/25/02 / 03/26/02
 Lab: BAT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(F 344)
 TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Females			
	0 G/KG	0.25 G/KG	0.5 G/KG	1.0 G/KG

**Thymus
 Atrophy**

LESION RATES

OVERALL (a)	46/49 (94%)	45/48 (94%)	47/49 (96%)	44/50 (88%)
POLY-3 RATE (b)	46/48.61	45/45.17	47/47.13	44/46.03
POLY-3 PERCENT (g)	94.6%	99.6%	99.7%	95.6%
TERMINAL (d)	29/31 (94%)	31/31 (100%)	28/28 (100%)	31/33 (94%)
FIRST INCIDENCE	291	408	283	435

STATISTICAL TESTS

POLY 3	P=0.602	P=0.190	P=0.172	P=0.605
POLY 1.5	P=0.592	P=0.249	P=0.221	P=0.606
POLY 6	P=0.595N	P=0.190	P=0.179	P=0.643
COCH-ARM / FISHERS	P=0.162N	P=0.651N	P=0.500	P=0.254N
MAX-ISO-POLY-3	P=0.201	P=0.068	P=0.057	P=0.414

TDMS No. 99023 - 03
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: RATS/F 344

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
 beta-Myrcene
 CAS Number: 123-35-3

Date Report Requested: 08/18/2008
 Time Report Requested: 09:54:07
 First Dose M/F: 03/25/02 / 03/26/02
 Lab: BAT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(F 344)
 TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Females			
	0 G/KG	0.25 G/KG	0.5 G/KG	1.0 G/KG

**Thyroid Gland: C-Cell
 Hyperplasia**

LESION RATES

OVERALL (a)	19/50 (38%)	20/49 (41%)	22/49 (45%)	17/50 (34%)
POLY-3 RATE (b)	19/43.42	20/41.93	22/40.11	17/42.29
POLY-3 PERCENT (g)	43.8%	47.7%	54.8%	40.2%
TERMINAL (d)	16/31 (52%)	18/33 (55%)	18/28 (64%)	14/33 (42%)
FIRST INCIDENCE	330	548	618	663

STATISTICAL TESTS

POLY 3	P=0.399N	P=0.440	P=0.207	P=0.454N
POLY 1.5	P=0.424N	P=0.431	P=0.235	P=0.478N
POLY 6	P=0.358N	P=0.467	P=0.190	P=0.414N
COCH-ARM / FISHERS	P=0.359N	P=0.468	P=0.311	P=0.418N
MAX-ISO-POLY-3	P=0.347N	P=0.356	P=0.157	P=0.368N

TDMS No. 99023 - 03
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: RATS/F 344

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
 beta-Myrcene
 CAS Number: 123-35-3

Date Report Requested: 08/18/2008
 Time Report Requested: 09:54:07
 First Dose M/F: 03/25/02 / 03/26/02
 Lab: BAT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(F 344)
 TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Females			
	0 G/KG	0.25 G/KG	0.5 G/KG	1.0 G/KG

**Thyroid Gland: Follicle
 Hyperplasia**

LESION RATES

OVERALL (a)	1/50 (2%)	1/49 (2%)	4/49 (8%)	4/50 (8%)
POLY-3 RATE (b)	1/41.30	1/41.13	4/39.42	4/41.89
POLY-3 PERCENT (g)	2.4%	2.4%	10.2%	9.6%
TERMINAL (d)	1/31 (3%)	1/33 (3%)	2/28 (7%)	4/33 (12%)
FIRST INCIDENCE	730 (T)	730 (T)	687	730 (T)

STATISTICAL TESTS

POLY 3	P=0.079	P=0.760	P=0.163	P=0.182
POLY 1.5	P=0.074	P=0.757	P=0.166	P=0.175
POLY 6	P=0.084	P=0.758N	P=0.161	P=0.191
COCH-ARM / FISHERS	P=0.079	P=0.747	P=0.175	P=0.181
MAX-ISO-POLY-3	P=0.124	P=0.498	P=0.078	P=0.087

TDMS No. 99023 - 03
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: RATS/F 344

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
 beta-Myrcene
 CAS Number: 123-35-3

Date Report Requested: 08/18/2008
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 First Dose M/F: 03/25/02 / 03/26/02
 Lab: BAT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(F 344)
 TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Females			
	0 G/KG	0.25 G/KG	0.5 G/KG	1.0 G/KG

**Urinary Bladder
 Inflammation**

LESION RATES

OVERALL (a)	2/50 (4%)	0/50 (0%)	1/50 (2%)	0/50 (0%)
POLY-3 RATE (b)	2/42.08	0/41.64	1/39.36	0/41.89
POLY-3 PERCENT (g)	4.8%	0%	2.5%	0%
TERMINAL (d)	0/31 (0%)	0/33 (0%)	1/28 (4%)	0/33 (0%)
FIRST INCIDENCE	606	---	730 (T)	---

STATISTICAL TESTS

POLY 3	P=0.188N	P=0.239N	P=0.523N	P=0.238N
POLY 1.5	P=0.190N	P=0.240N	P=0.515N	P=0.242N
POLY 6	P=0.187N	P=0.239N	P=0.534N	P=0.234N
COCH-ARM / FISHERS	P=0.188N	P=0.247N	P=0.500N	P=0.247N
MAX-ISO-POLY-3	P=0.078N	P=0.078N	P=0.305N	P=0.077N

TDMS No. 99023 - 03
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: RATS/F 344

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
 beta-Myrcene
 CAS Number: 123-35-3

Date Report Requested: 08/18/2008
 Time Report Requested: 09:54:07
 First Dose M/F: 03/25/02 / 03/26/02
 Lab: BAT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(F 344)
 TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Females			
	0 G/KG	0.25 G/KG	0.5 G/KG	1.0 G/KG

Uterus
 Cyst

LESION RATES

OVERALL (a)	0/50 (0%)	2/50 (4%)	2/50 (4%)	0/50 (0%)
POLY-3 RATE (b)	0/41.30	2/41.64	2/39.36	0/41.89
POLY-3 PERCENT (g)	0%	4.8%	5.1%	0%
TERMINAL (d)	0/31 (0%)	2/33 (6%)	2/28 (7%)	0/33 (0%)
FIRST INCIDENCE	---	730 (T)	730 (T)	---

STATISTICAL TESTS

POLY 3	P=0.494N	P=0.239	P=0.226	(e)
POLY 1.5	P=0.506N	P=0.237	P=0.230	(e)
POLY 6	P=0.480N	P=0.241	P=0.223	(e)
COCH-ARM / FISHERS	P=0.500N	P=0.247	P=0.247	(e)
MAX-ISO-POLY-3	P=0.268N	P=0.077	P=0.075	(e)

TDMS No. 99023 - 03
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: RATS/F 344

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
beta-Myrcene
CAS Number: 123-35-3

Date Report Requested: 08/18/2008
Time Report Requested: 09:54:07
First Dose M/F: 03/25/02 / 03/26/02
Lab: BAT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(F 344)
TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Females			
	0 G/KG	0.25 G/KG	0.5 G/KG	1.0 G/KG

**Uterus
Dilatation**

LESION RATES

OVERALL (a)	2/50 (4%)	1/50 (2%)	2/50 (4%)	1/50 (2%)
POLY-3 RATE (b)	2/41.56	1/41.64	2/39.36	1/41.89
POLY-3 PERCENT (g)	4.8%	2.4%	5.1%	2.4%
TERMINAL (d)	1/31 (3%)	1/33 (3%)	2/28 (7%)	1/33 (3%)
FIRST INCIDENCE	661	730 (T)	730 (T)	730 (T)

STATISTICAL TESTS

POLY 3	P=0.444N	P=0.499N	P=0.675	P=0.497N
POLY 1.5	P=0.450N	P=0.502N	P=0.681	P=0.505N
POLY 6	P=0.437N	P=0.497N	P=0.667	P=0.489N
COCH-ARM / FISHERS	P=0.444N	P=0.500N	P=0.691N	P=0.500N
MAX-ISO-POLY-3	P=0.447N	P=0.280N	P=0.477	P=0.279N

TDMS No. 99023 - 03
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: RATS/F 344

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
 beta-Myrcene
 CAS Number: 123-35-3

Date Report Requested: 08/18/2008
 Time Report Requested: 09:54:07
 First Dose M/F: 03/25/02 / 03/26/02
 Lab: BAT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(F 344)
 TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Females			
	0 G/KG	0.25 G/KG	0.5 G/KG	1.0 G/KG

Uterus: Endometrium
 Hyperplasia Cystic

LESION RATES

OVERALL (a)	4/50 (8%)	7/50 (14%)	7/50 (14%)	13/50 (26%)
POLY-3 RATE (b)	4/42.20	7/43.21	7/40.63	13/42.27
POLY-3 PERCENT (g)	9.5%	16.2%	17.2%	30.8%
TERMINAL (d)	3/31 (10%)	5/33 (15%)	5/28 (18%)	11/33 (33%)
FIRST INCIDENCE	346	408	366	678

STATISTICAL TESTS

POLY 3	P=0.007**	P=0.273	P=0.237	P=0.013*
POLY 1.5	P=0.007**	P=0.264	P=0.244	P=0.012*
POLY 6	P=0.008**	P=0.284	P=0.231	P=0.015*
COCH-ARM / FISHERS	P=0.010**	P=0.262	P=0.262	P=0.016*
MAX-ISO-POLY-3	P=0.008**	P=0.180	P=0.153	P=0.006**

TDMS No. 99023 - 03
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: RATS/F 344

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

beta-Myrcene
CAS Number: 123-35-3

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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.
 - (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 ***