

Experiment Number: 99023-04
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: beta-Myrcene
CAS Number: 123-35-3

Date Report Requested: 10/16/2014
Time Report Requested: 05:39:02
First Dose M/F: NA / NA
Lab: BAT

C Number: C99023
Lock Date: 12/22/2004
Cage Range: All
Date Range: All
Reasons For Removal: All
Removal Date Range: All
Treatment Groups: All
Study Gender: Both
PWG Approval Date: 08/10/2007

Experiment Number: 99023-04
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CAS Number: 123-35-3

Date Report Requested: 10/16/2014
Time Report Requested: 05:39:02
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 1 **TRT#:** 1 **SEX:** Male **DAY ON TEST:** 729
DOSE: 0 G/KG **DISP:** Terminal Sacrifice **HISTO:** 0400871

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Bone Marrow	* Brain
* Epididymis	* Esophagus	* Eye	* Gallbladder
* Harderian Gland	* Heart	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Lung	* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Pancreas
* Parathyroid Gland	* Pituitary Gland	* Preputial Gland	* Salivary Glands
* Seminal Vesicle	* Skin	* Stomach, Forestomach	* Stomach, Glandular
* Testes	* Thyroid Gland	* Trachea	* Urinary Bladder

MISSING

* Mammary Gland

OBSERVATIONS

* Adrenal Cortex	Subcapsular	Hyperplasia	Mild
* Islets, Pancreatic		Hyperplasia	Minimal
* Kidney		Nephropathy	Minimal
	Renal Tubule	Vacuolization Cytoplasmic	Minimal
* Liver		Hepatocellular Adenoma	Multiple
		Hepatocellular Carcinoma	
	Hepatocyte	Hypertrophy	Minimal
		Inflammation	Chronic Active, Minimal
		Pigmentation	Hemosiderin, Mild
		[Hepatocellular Adenoma TGLS = 1,2,4,5-3+10+11+12]	
		[Hepatocellular Carcinoma TGLS = 3-12]	
* Nose	Olfactory Epi	Degeneration	Minimal
* Preputial GI			
		Note: Minimal to mild inflammation, as in this animal, was not diagnosed. Inflammation was only diagnosed where associated with a TGL or where severity was greater.	
* Prostate		Inflammation	Minimal
* Spleen		Hematopoietic Cell Proliferation	Mild
* Thymus		Atrophy	Moderate

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99023-04
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P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: beta-Myrcene
CAS Number: 123-35-3

Date Report Requested: 10/16/2014
Time Report Requested: 05:39:02
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 2 **TRT#:** 1 **SEX:** Male **DAY ON TEST:** 727
DOSE: 0 G/KG **DISP:** Natural Death **HISTO:** 0400872

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Brain	* Epididymis
* Esophagus	* Eye	* Gallbladder	* Harderian Gland
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Lung
* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Nose	* Pancreas
* Parathyroid Gland	* Pituitary Gland	* Preputial Gland	* Prostate
* Salivary Glands	* Seminal Vesicle	* Stomach, Forestomach	* Stomach, Glandular
* Trachea	* Urinary Bladder		

MISSING

* Mammary Gland

OBSERVATIONS

* Adrenal Cortex	Subcapsular	Hyperplasia	Minimal
* Bone Marrow		Hemangiosarcoma	Metastatic (Spleen)
* Heart		Cardiomyopathy	Minimal
* Kidney		Infarct	Marked
		Nephropathy	Mild
	[Infarct TGLS = 3-4]		
* Liver		Hemangiosarcoma	Metastatic (Spleen)
		Hepatocellular Adenoma	
		Inflammation	Chronic Active, Minimal
		Necrosis	Mild
	[Hemangiosarcoma TGLS = 4,5-11+12]		
	[Hepatocellular Adenoma TGLS = 4-11]		
	[Necrosis TGLS = 6-5]		
* Skin		Inflammation	Mild
		Ulcer	Moderate
	[Ulcer TGLS = 1-10]		
* Spleen		Hemangiosarcoma	
		Hematopoietic Cell Proliferation	Mild
	[Hemangiosarcoma TGLS = 2-11]		

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99023-04
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: beta-Myrcene
CAS Number: 123-35-3

Date Report Requested: 10/16/2014
Time Report Requested: 05:39:02
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 2	TRT#: 1	SEX: Male	DAY ON TEST: 727
	DOSE: 0 G/KG	DISP: Natural Death	HISTO: 0400872

ORGAN AND ACCOUNTABLE SITE STATUS

* Testes	Germinal Epith	Degeneration	Minimal
* Thymus		Atrophy	Marked
* Thyroid Gland	Follicle	Cyst	Minimal

PRIMARY CAUSE OF DEATH - Spleen Hemangiosarcoma

CONTRIBUTORY CAUSE OF DEATH - Kidney Infarct

Animal Note: Hemangiosarcoma was considered the primary cause of death, with renal infarcts likely secondary to coagulopathy associated with metastases to liver.

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99023-04
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: beta-Myrcene
CAS Number: 123-35-3

Date Report Requested: 10/16/2014
Time Report Requested: 05:39:02
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 3	TRT#: 1	SEX: Male	DAY ON TEST: 729
	DOSE: 0 G/KG	DISP: Terminal Sacrifice	HISTO: 0400873

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Bone Marrow	* Brain
* Epididymis	* Esophagus	* Eye	* Gallbladder
* Harderian Gland	* Heart	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Lung	* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Nose
* Pancreas	* Parathyroid Gland	* Pituitary Gland	* Preputial Gland
* Prostate	* Salivary Glands	* Seminal Vesicle	* Skin
* Stomach, Glandular	* Testes	* Trachea	* Urinary Bladder

MISSING

* Mammary Gland

OBSERVATIONS

* Adrenal Cortex	Subcapsular	Hyperplasia	Minimal
* Islets, Pancreatic		Hyperplasia	Minimal
* Kidney		Nephropathy	Minimal
	Renal Tubule	Vacuolization Cytoplasmic	Minimal
* Liver		Hepatoblastoma	
		Hepatocellular Adenoma	Multiple
		Inflammation	Chronic Active, Minimal
Note: Part of the adenoma in B10 is in B03 also. [Hepatoblastoma TGLS = 2-11] [Hepatocellular Adenoma TGLS = 1,2,3,4,5-3+10+11+12]			
* Spleen		Hematopoietic Cell Proliferation	Mild
* Stomach, Forestomach	Epithelium	Hyperplasia	Minimal
		Inflammation	Minimal
* Thymus		Atrophy	Minimal
* Thyroid Gland		Mineralization	Minimal
Tooth		Dysplasia	
	Gingiva	Inflammation	Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99023-04
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: beta-Myrcene
CAS Number: 123-35-3

Date Report Requested: 10/16/2014
Time Report Requested: 05:39:02
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 4	TRT#: 1	SEX: Male	DAY ON TEST: 728
	DOSE: 0 G/KG	DISP: Terminal Sacrifice	HISTO: 0400874

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Bone Marrow	* Brain
* Epididymis	* Esophagus	* Eye	* Gallbladder
* Harderian Gland	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Lymph Node, Mandibular
* Lymph Node, Mesenteric	* Nose	* Pancreas	* Parathyroid Gland
* Pituitary Gland	* Preputial Gland	* Prostate	* Salivary Glands
* Seminal Vesicle	* Skin	* Stomach, Glandular	* Testes
* Thyroid Gland	* Trachea	* Urinary Bladder	

MISSING

* Mammary Gland

OBSERVATIONS

* Adrenal Cortex	Subcapsular	Hyperplasia	Mild
* Heart		Cardiomyopathy	Minimal
* Islets, Pancreatic		Hyperplasia	Mild
* Kidney	Cortex	Cyst	Minimal
		Mineralization	Minimal
		Nephropathy	Minimal
	Renal Tubule	Vacuolization Cytoplasmic	Minimal
* Liver		Clear Cell Focus	
		Fatty Change	Mild
		Inflammation	Chronic Active, Minimal
		Mixed Cell Focus	
		[Clear Cell Focus TGLS = 2,3-3+4+5+10+11]	
		[Mixed Cell Focus TGLS = 1-4]	
* Lung	Alveolar Epith	Alveolar/Bronchiolar Adenoma	
		Hyperplasia	Minimal
* Spleen		Hematopoietic Cell Proliferation	Minimal
* Stomach, Forestomach	Epithelium	Hyperplasia	Minimal
* Thymus		Atrophy	Mild
Tooth		Dysplasia	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99023-04
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: beta-Myrcene
CAS Number: 123-35-3

Date Report Requested: 10/16/2014
Time Report Requested: 05:39:02
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 4	TRT#: 1	SEX: Male	DAY ON TEST: 728
	DOSE: 0 G/KG	DISP: Terminal Sacrifice	HISTO: 0400874

ORGAN AND ACCOUNTABLE SITE STATUS

PRIMARY CAUSE OF DEATH	-
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* PROTOCOL REQUIRED TISSUE

Experiment Number: 99023-04
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: beta-Myrcene
CAS Number: 123-35-3

Date Report Requested: 10/16/2014
Time Report Requested: 05:39:02
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 5 **TRT#:** 1 **SEX:** Male **DAY ON TEST:** 728
DOSE: 0 G/KG **DISP:** Terminal Sacrifice **HISTO:** 0400875

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Bone Marrow	* Brain
* Epididymis	* Esophagus	* Eye	* Gallbladder
* Harderian Gland	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Lymph Node, Mandibular
* Lymph Node, Mesenteric	* Mammary Gland	* Nose	* Pancreas
* Parathyroid Gland	* Pituitary Gland	* Preputial Gland	* Prostate
* Salivary Glands	* Seminal Vesicle	* Skin	* Stomach, Forestomach
* Stomach, Glandular	* Testes	* Thyroid Gland	* Trachea
* Urinary Bladder			

OBSERVATIONS

* Adrenal Cortex	Subcapsular	Hyperplasia	Mild
* Heart		Cardiomyopathy	Minimal
* Islets, Pancreatic		Hyperplasia	Minimal
* Kidney	Renal Tubule	Adenoma	
	Renal Tubule	Hyperplasia	Minimal
		Mineralization	Minimal
		Nephropathy	Minimal
	Renal Tubule	Vacuolization Cytoplasmic	Minimal
[Adenoma TGLS = 1-4]			
* Liver		Clear Cell Focus	
		Fatty Change	Minimal
		Inflammation	Chronic Active, Minimal
* Lung	Alveolar Epith	Hyperplasia	Minimal
	Bronchiole	Hyperplasia	Minimal
* Spleen		Hematopoietic Cell Proliferation	Minimal
* Thymus		Atrophy	Marked

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99023-04
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 Test Compound: beta-Myrcene
 CAS Number: 123-35-3

Date Report Requested: 10/16/2014
 Time Report Requested: 05:39:02
 First Dose M/F: NA / NA
 Lab: BAT

ANIMAL ID: 6 **TRT#:** 1 **SEX:** Male **DAY ON TEST:** 567
DOSE: 0 G/KG **DISP:** Moribund Sacrifice **HISTO:** 0400876

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Bone Marrow	* Brain
* Epididymis	* Esophagus	* Eye	* Gallbladder
* Harderian Gland	* Heart	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Liver	* Lymph Node, Mandibular	* Nose	* Pancreas
* Parathyroid Gland	* Pituitary Gland	* Preputial Gland	* Prostate
* Salivary Glands	* Seminal Vesicle	* Skin	* Stomach, Glandular
* Testes	* Thyroid Gland	* Trachea	* Urinary Bladder

MISSING

* Mammary Gland * Thymus

OBSERVATIONS

* Adrenal Cortex	Subcapsular	Hyperplasia	Minimal
* Islets, Pancreatic		Hyperplasia	Minimal
* Kidney		Mineralization	Mild
	Renal Tubule	Vacuolization Cytoplasmic	Minimal
* Lung		Alveolar/Bronchiolar Carcinoma	
	Alveolus	Infiltration Cellular	Histiocyte, Marked
	[Alveolar/Bronchiolar Carcinoma TGLS = 1-10]		
* Lymph Node, Mesenteric		Atrophy	Mild
* Spleen	Lymph Follic	Atrophy	Mild
* Stomach, Forestomach	Epithelium	Hyperplasia	Moderate
		Inflammation	Minimal
	[Hyperplasia TGLS = 2-10]		

PRIMARY CAUSE OF DEATH - Lung Alveolar/Bronchiolar Carcinoma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99023-04
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: beta-Myrcene
CAS Number: 123-35-3

Date Report Requested: 10/16/2014
Time Report Requested: 05:39:02
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 7 **TRT#:** 1 **SEX:** Male **DAY ON TEST:** 728
DOSE: 0 G/KG **DISP:** Terminal Sacrifice **HISTO:** 0400877

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Bone Marrow	* Brain
* Epididymis	* Esophagus	* Eye	* Gallbladder
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Lymph Node, Mandibular	* Lymph Node, Mesenteric
* Pancreas	* Parathyroid Gland	* Preputial Gland	* Salivary Glands
* Seminal Vesicle	* Skin	* Stomach, Forestomach	* Stomach, Glandular
* Thyroid Gland	* Trachea	* Urinary Bladder	

MISSING

* Mammary Gland	* Pituitary Gland
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OBSERVATIONS

* Adrenal Cortex	Subcapsular Subcapsular	Adenoma Hyperplasia	Mild
* Harderian Gland		Fibrosis	Mild
* Heart		Cardiomyopathy	Minimal
* Islets, Pancreatic		Hyperplasia	Minimal
* Kidney		Mineralization	Minimal
	Renal Tubule	Nephropathy	Minimal
* Liver		Vacuolization Cytoplasmic Hepatocellular Adenoma Mixed Cell Focus	Minimal
	[Hepatocellular Adenoma TGLS = 2-3]		
	[Mixed Cell Focus TGLS = 4-11]		
* Lung		Alveolar/Bronchiolar Carcinoma	
	[Alveolar/Bronchiolar Carcinoma TGLS = 3-10]		
* Nose	Olfactory Epi	Metaplasia Polyp, Inflammatory	Respiratory, Moderate Moderate
* Prostate		Inflammation	Minimal
* Sem Ves			
Note: TGL-1 had no corresponding microscopic lesion.			
* Spleen		Hematopoietic Cell Proliferation	Minimal

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99023-04
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: beta-Myrcene
CAS Number: 123-35-3

Date Report Requested: 10/16/2014
Time Report Requested: 05:39:02
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 7	TRT#: 1	SEX: Male	DAY ON TEST: 728
	DOSE: 0 G/KG	DISP: Terminal Sacrifice	HISTO: 0400877

ORGAN AND ACCOUNTABLE SITE STATUS			
* Testes	Germinal Epith	Degeneration	Minimal
* Thymus		Atrophy	Minimal
Tooth		Dysplasia	

PRIMARY CAUSE OF DEATH	-
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* PROTOCOL REQUIRED TISSUE

Experiment Number: 99023-04
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: beta-Myrcene
CAS Number: 123-35-3

Date Report Requested: 10/16/2014
Time Report Requested: 05:39:02
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 8	TRT#: 1	SEX: Male	DAY ON TEST: 729
	DOSE: 0 G/KG	DISP: Terminal Sacrifice	HISTO: 0400878

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Bone Marrow	* Brain
* Esophagus	* Gallbladder	* Heart	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Lung	* Lymph Node, Mandibular	* Lymph Node, Mesenteric
* Nose	* Pancreas	* Parathyroid Gland	* Pituitary Gland
* Prostate	* Salivary Glands	* Seminal Vesicle	* Skin
* Spleen	* Stomach, Glandular	* Testes	* Thyroid Gland
* Trachea	* Urinary Bladder		

MISSING

* Mammary Gland

OBSERVATIONS

* Adrenal Cortex	Subcapsular	Hyperplasia	Moderate
* Epididymis		Cyst	Minimal
* Eye	Optic Nerve	Fibrosis	Mild
* Harderian Gland		Adenoma	Multiple
[Adenoma TGLS = 1-9]			
* Islets, Pancreatic		Hyperplasia	Minimal
* Kidney		Mineralization	Minimal
		Nephropathy	Mild
	Renal Tubule	Vacuolization Cytoplasmic	Minimal
* Liver		Eosinophilic Focus	
		Inflammation	Chronic Active, Minimal
		Mixed Cell Focus	
[Eosinophilic Focus TGLS = 3,4 - 3+10]			
[Mixed Cell Focus TGLS = 5-11]			
* Preputial Gland		Ectasia	Mild
[Ectasia TGLS = 2-8]			
* Stomach, Forestomach	Epithelium	Hyperplasia	Minimal
* Thymus		Atrophy	Mild
Tooth		Dysplasia	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99023-04
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: beta-Myrcene
CAS Number: 123-35-3

Date Report Requested: 10/16/2014
Time Report Requested: 05:39:02
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 8	TRT#: 1	SEX: Male	DAY ON TEST: 729
	DOSE: 0 G/KG	DISP: Terminal Sacrifice	HISTO: 0400878

ORGAN AND ACCOUNTABLE SITE STATUS

PRIMARY CAUSE OF DEATH

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* PROTOCOL REQUIRED TISSUE

Experiment Number: 99023-04
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: beta-Myrcene
CAS Number: 123-35-3

Date Report Requested: 10/16/2014
Time Report Requested: 05:39:02
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 9	TRT#: 1	SEX: Male	DAY ON TEST: 729
	DOSE: 0 G/KG	DISP: Terminal Sacrifice	HISTO: 0400879

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Bone Marrow	* Brain
* Epididymis	* Esophagus	* Eye	* Gallbladder
* Heart	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Lung
* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Nose	* Pancreas
* Parathyroid Gland	* Pituitary Gland	* Preputial Gland	* Salivary Glands
* Seminal Vesicle	* Skin	* Stomach, Forestomach	* Stomach, Glandular
* Testes	* Thyroid Gland	* Trachea	* Urinary Bladder

MISSING

* Mammary Gland

OBSERVATIONS

* Adrenal Cortex	Subcapsular	Hyperplasia	Minimal
* Harderian Gland		Hyperplasia	Mild
* Islets, Pancreatic		Hyperplasia	Minimal
* Kidney		Nephropathy	Minimal
	Renal Tubule	Vacuolization Cytoplasmic	Mild
* Liver		Eosinophilic Focus	
		Fatty Change	Mild
		Inflammation	Chronic Active, Minimal
		Vacuolization Cytoplasmic	Mild
* Prostate		Inflammation	Minimal
* Spleen		Hematopoietic Cell Proliferation	Minimal
* Thymus		Atrophy	Mild

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99023-04
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: beta-Myrcene
CAS Number: 123-35-3

Date Report Requested: 10/16/2014
Time Report Requested: 05:39:02
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 10 **TRT#:** 1 **SEX:** Male **DAY ON TEST:** 607
DOSE: 0 G/KG **DISP:** Moribund Sacrifice **HISTO:** 0400880

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Bone Marrow	* Brain
* Epididymis	* Esophagus	* Eye	* Gallbladder
* Harderian Gland	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Lung
* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Nose	* Parathyroid Gland
* Pituitary Gland	* Preputial Gland	* Prostate	* Salivary Glands
* Seminal Vesicle	* Skin	* Stomach, Glandular	* Testes
* Thyroid Gland	* Trachea	* Urinary Bladder	

MISSING

* Mammary Gland * Thymus

OBSERVATIONS

* Adrenal Cortex	Subcapsular	Hyperplasia	Mild
* Heart		Cardiomyopathy	Minimal
* Islets, Pancreatic		Hyperplasia	Minimal
* Kidney		Mineralization	Minimal
		Nephropathy	Mild
	Renal Tubule	Vacuolization Cytoplasmic	Minimal
* Liver		Fatty Change	Mild
		Inflammation	Chronic Active, Minimal
		Mixed Cell Focus	
* Pancreas		Atrophy	Minimal
* Spleen		Hematopoietic Cell Proliferation	Minimal
* Stomach, Forestomach	Epithelium	Hyperplasia	Mild
		Inflammation	Mild
		Ulcer	Mild
Tooth		Dysplasia	

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99023-04
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: beta-Myrcene
CAS Number: 123-35-3

Date Report Requested: 10/16/2014
Time Report Requested: 05:39:02
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 11	TRT#: 1	SEX: Male	DAY ON TEST: 659
	DOSE: 0 G/KG	DISP: Natural Death	HISTO: 0400881

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Bone Marrow	* Brain
* Epididymis	* Esophagus	* Eye	* Gallbladder
* Harderian Gland	* Heart	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Lymph Node, Mandibular	* Nose	* Pancreas	* Parathyroid Gland
* Pituitary Gland	* Preputial Gland	* Prostate	* Salivary Glands
* Seminal Vesicle	* Skin	* Stomach, Glandular	* Testes
* Thyroid Gland	* Trachea	* Urinary Bladder	

MISSING

* Mammary Gland	* Thymus
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OBSERVATIONS

* Adrenal Cortex	Subcapsular	Hyperplasia	Minimal
* Islets, Pancreatic		Hyperplasia	Minimal
* Kidney	Cortex	Cyst	Minimal
	Renal Tubule	Nephropathy	Moderate
* Liver		Vacuolization Cytoplasmic	Minimal
		Eosinophilic Focus	
		Hepatocellular Carcinoma	
		Necrosis	Moderate
		[Eosinophilic Focus TGLS = 3-11]	
		[Hepatocellular Carcinoma TGLS = 1-10]	
* Lung		Hepatocellular Carcinoma	Metastatic (Liver)
		[Hepatocellular Carcinoma TGLS = 4-11]	
* Lymph Node, Mesenteric		Atrophy	Mild
* Spleen	Lymph Follic	Atrophy	Mild
		Hematopoietic Cell Proliferation	Moderate
* Stomach, Forestomach	Epithelium	Hyperplasia	Moderate
		Inflammation	Mild
		Ulcer	Moderate
		[Hyperplasia TGLS = 5-5+10]	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99023-04
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: beta-Myrcene
CAS Number: 123-35-3

Date Report Requested: 10/16/2014
Time Report Requested: 05:39:02
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 11

TRT#: 1

SEX: Male

DAY ON TEST: 659

DOSE: 0 G/KG

DISP: Natural Death

HISTO: 0400881

ORGAN AND ACCOUNTABLE SITE STATUS

PRIMARY CAUSE OF DEATH

- Liver Hepatocellular Carcinoma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99023-04
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: beta-Myrcene
CAS Number: 123-35-3

Date Report Requested: 10/16/2014
Time Report Requested: 05:39:02
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 12

TRT#: 1

SEX: Male

DAY ON TEST: 468

DOSE: 0 G/KG

DISP: Moribund Sacrifice

HISTO: 0400882

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Bone Marrow	* Brain
* Epididymis	* Esophagus	* Eye	* Gallbladder
* Harderian Gland	* Heart	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Nose	* Pancreas
* Pituitary Gland	* Preputial Gland	* Salivary Glands	* Seminal Vesicle
* Stomach, Forestomach	* Stomach, Glandular	* Thyroid Gland	* Trachea
* Urinary Bladder			

MISSING

* Mammary Gland	* Parathyroid Gland
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OBSERVATIONS

* Adrenal Cortex	Subcapsular	Hyperplasia	Minimal
* Islets, Pancreatic		Hyperplasia	Minimal
* Kidney		Mineralization	Minimal
		Nephropathy	Minimal
	Renal Tubule	Vacuolization Cytoplasmic	Mild
* Liver		Hematopoietic Cell Proliferation	Minimal
		Hepatocellular Adenoma	
		Tension Lipidosis	Minimal
	[Hepatocellular Adenoma TGLS = 2-10]		
* Lung		Alveolar/Bronchiolar Adenoma	
	[Alveolar/Bronchiolar Adenoma TGLS = 3-11]		
* Prostate		Inflammation	Minimal
* Skin	Subcut Tiss	Sarcoma	
	[Sarcoma TGLS = 1-10]		
* Spleen		Hematopoietic Cell Proliferation	Moderate
* Testes	Germinal Epith	Degeneration	Mild
* Thymus		Atrophy	Moderate
Tooth		Dysplasia	

PRIMARY CAUSE OF DEATH - Skin Subcut Tiss Sarcoma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99023-04
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: beta-Myrcene
CAS Number: 123-35-3

Date Report Requested: 10/16/2014
Time Report Requested: 05:39:02
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 12

TRT#: 1

SEX: Male

DAY ON TEST: 468

DOSE: 0 G/KG

DISP: Moribund Sacrifice

HISTO: 0400882

ORGAN AND ACCOUNTABLE SITE STATUS

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99023-04
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: beta-Myrcene
CAS Number: 123-35-3

Date Report Requested: 10/16/2014
Time Report Requested: 05:39:02
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 13

TRT#: 1

SEX: Male

DAY ON TEST: 730

DOSE: 0 G/KG

DISP: Terminal Sacrifice

HISTO: 0400883

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Bone Marrow	* Brain
* Epididymis	* Esophagus	* Eye	* Gallbladder
* Heart	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Lymph Node, Mandibular
* Pancreas	* Parathyroid Gland	* Pituitary Gland	* Preputial Gland
* Prostate	* Salivary Glands	* Seminal Vesicle	* Skin
* Stomach, Forestomach	* Stomach, Glandular	* Testes	* Thyroid Gland
* Trachea	* Urinary Bladder		

MISSING

* Mammary Gland

OBSERVATIONS

* Adrenal Cortex	Subcapsular	Hyperplasia	Mild
* Harderian Gland		Adenoma	
* Islets, Pancreatic		Hyperplasia	Minimal
* Kidney		Nephropathy	Minimal
	Renal Tubule	Vacuolization Cytoplasmic	Mild
* Liver		Clear Cell Focus	
		Hemangiosarcoma	
		Hepatocellular Adenoma	Multiple
		Inflammation	Chronic Active, Minimal
		[Hemangiosarcoma TGLS = 5-10]	
		[Hepatocellular Adenoma TGLS = 1,2-10+11]	
* Lung		Alveolar/Bronchiolar Carcinoma	
	Alveolus	Infiltration Cellular	Histiocyte, Mild
		Inflammation	Chronic Active, Mild
		[Alveolar/Bronchiolar Carcinoma TGLS = 3-11]	
		[Infiltration Cellular TGLS = 4-3]	
* Lymph Node, Mesenteric		Atrophy	Marked
* Nose	Olfactory Epi	Degeneration	Minimal
* Spleen		Hematopoietic Cell Proliferation	Minimal

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99023-04
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: beta-Myrcene
CAS Number: 123-35-3

Date Report Requested: 10/16/2014
Time Report Requested: 05:39:02
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 13	TRT#: 1	SEX: Male	DAY ON TEST: 730
	DOSE: 0 G/KG	DISP: Terminal Sacrifice	HISTO: 0400883

ORGAN AND ACCOUNTABLE SITE STATUS

* Thymus	Atrophy	Moderate
Tooth	Dysplasia	

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99023-04
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: beta-Myrcene
CAS Number: 123-35-3

Date Report Requested: 10/16/2014
Time Report Requested: 05:39:02
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 14

TRT#: 1
DOSE: 0 G/KG

SEX: Male
DISP: Terminal Sacrifice

DAY ON TEST: 729
HISTO: 0400884

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Bone Marrow	* Brain
* Epididymis	* Esophagus	* Eye	* Gallbladder
* Harderian Gland	* Heart	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Lung	* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Nose
* Pancreas	* Parathyroid Gland	* Pituitary Gland	* Salivary Glands
* Seminal Vesicle	* Skin	* Stomach, Forestomach	* Stomach, Glandular
* Testes	* Thyroid Gland	* Trachea	* Urinary Bladder

MISSING

* Mammary Gland

OBSERVATIONS

* Adrenal Cortex	Subcapsular	Hyperplasia	Mild
* Islets, Pancreatic		Hyperplasia	Minimal
* Kidney	Cortex	Cyst	Minimal
		Mineralization	Minimal
		Nephropathy	Mild
	Renal Tubule	Vacuolization Cytoplasmic	Minimal
* Liver		Clear Cell Focus	
		Eosinophilic Focus	
		Fatty Change	Minimal
		Hepatocellular Carcinoma	
		Inflammation	Chronic Active, Minimal
		Necrosis	Minimal
		[Eosinophilic Focus TGLS = 3-11]	
		[Hepatocellular Carcinoma TGLS = 2-10]	
* Preputial Gland		Inflammation	Mild
		[Inflammation TGLS = 1-8]	
* Prostate		Inflammation	Minimal
* Spleen		Hematopoietic Cell Proliferation	Mild
* Thymus		Atrophy	Moderate

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99023-04
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: beta-Myrcene
CAS Number: 123-35-3

Date Report Requested: 10/16/2014
Time Report Requested: 05:39:02
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 14

TRT#: 1

SEX: Male

DAY ON TEST: 729

DOSE: 0 G/KG

DISP: Terminal Sacrifice

HISTO: 0400884

ORGAN AND ACCOUNTABLE SITE STATUS

Tooth

Dysplasia

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99023-04
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: beta-Myrcene
CAS Number: 123-35-3

Date Report Requested: 10/16/2014
Time Report Requested: 05:39:02
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 15

TRT#: 1

SEX: Male

DAY ON TEST: 599

DOSE: 0 G/KG

DISP: Natural Death

HISTO: 0400885

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Brain
* Esophagus	* Eye	* Gallbladder	* Harderian Gland
* Intestine Large, Colon	* Intestine Large, Rectum	* Lung	* Nose
* Pancreas	* Parathyroid Gland	* Pituitary Gland	* Preputial Gland
* Salivary Glands	* Seminal Vesicle	* Skin	* Stomach, Forestomach
* Stomach, Glandular	* Testes	* Thyroid Gland	* Trachea
* Urinary Bladder			

MISSING

* Mammary Gland

AUTO PRECLUDES DIAG.

* Intestine Large, Cecum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Lymph Node, Mesenteric	* Spleen		

OBSERVATIONS

* Adren Cortex			
Note: One adrenal gland was missing at trim.			
* Bone Marrow		Atrophy	Mild
* Epididymis		Fibrosis	Minimal
* Heart		Mineralization	Mild
	Atrium	Thrombosis	Minimal
* Islets, Pancreatic		Hyperplasia	Minimal
* Kidney		Mineralization	Minimal
* Liver		Fatty Change	Mild
		Hepatoblastoma	
		Necrosis	Marked
		Thrombosis	Mild
		Vacuolization Cytoplasmic	Mild
[Hepatoblastoma TGLS = 1-10]			
* Lymph Node, Mandibular		Atrophy	Moderate
Mesentery	Fat	Necrosis	Minimal
Note: Necrotic fat was in section 06.			

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99023-04
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: beta-Myrcene
CAS Number: 123-35-3

Date Report Requested: 10/16/2014
Time Report Requested: 05:39:02
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 15	TRT#: 1	SEX: Male	DAY ON TEST: 599
	DOSE: 0 G/KG	DISP: Natural Death	HISTO: 0400885

ORGAN AND ACCOUNTABLE SITE STATUS

* Prostate	Inflammation	Minimal
* Thymus	Atrophy	Moderate
Tooth	Dysplasia	

PRIMARY CAUSE OF DEATH - Liver Hepatoblastoma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99023-04
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: beta-Myrcene
CAS Number: 123-35-3

Date Report Requested: 10/16/2014
Time Report Requested: 05:39:02
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 16

TRT#: 1

SEX: Male

DAY ON TEST: 729

DOSE: 0 G/KG

DISP: Terminal Sacrifice

HISTO: 0400886

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Bone Marrow	* Brain
* Epididymis	* Esophagus	* Eye	* Gallbladder
* Harderian Gland	* Heart	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Lung	* Lymph Node, Mandibular	* Lymph Node, Mesenteric
* Nose	* Pancreas	* Parathyroid Gland	* Pituitary Gland
* Preputial Gland	* Salivary Glands	* Seminal Vesicle	* Skin
* Stomach, Forestomach	* Stomach, Glandular	* Testes	* Thyroid Gland
* Trachea	* Urinary Bladder		

MISSING

* Mammary Gland

OBSERVATIONS

* Adrenal Cortex	Subcapsular	Hyperplasia	Mild
* Kidney	Cortex	Cyst	Minimal
	Renal Tubule	Hyperplasia	Minimal
		Nephropathy	Minimal
	Renal Tubule	Vacuolization Cytoplasmic	Minimal
* Liver		Clear Cell Focus	
		Fatty Change	Mild
		Hepatocellular Adenoma	
		Inflammation	Chronic Active, Minimal
	[Clear Cell Focus TGLS = 2-4]		
	[Hepatocellular Adenoma TGLS = 1-10]		
* Prostate		Inflammation	Minimal
* Spleen		Hyperplasia	Lymphoid, Mild
* Thymus		Atrophy	Mild
Tooth		Dysplasia	

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99023-04
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: beta-Myrcene
CAS Number: 123-35-3

Date Report Requested: 10/16/2014
Time Report Requested: 05:39:02
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 17

TRT#: 1

SEX: Male

DAY ON TEST: 729

DOSE: 0 G/KG

DISP: Terminal Sacrifice

HISTO: 0400887

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Bone Marrow	* Brain
* Epididymis	* Esophagus	* Eye	* Gallbladder
* Harderian Gland	* Heart	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Lung	* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Nose
* Pancreas	* Parathyroid Gland	* Pituitary Gland	* Preputial Gland
* Salivary Glands	* Seminal Vesicle	* Skin	* Stomach, Forestomach
* Stomach, Glandular	* Testes	* Thyroid Gland	* Trachea
* Urinary Bladder			

MISSING

* Mammary Gland

OBSERVATIONS

* Adrenal Cortex	Subcapsular	Hyperplasia	Minimal
* Islets, Pancreatic		Hyperplasia	Minimal
* Kidney	Cortex	Cyst	Minimal
		Infarct	Minimal
		Nephropathy	Mild
* Liver	Renal Tubule	Vacuolization Cytoplasmic	Minimal
		Fatty Change	Mild
		Hepatocellular Adenoma	
		Inflammation	Chronic Active, Minimal
	[Hepatocellular Adenoma TGLS = 1-10]		
* Prostate		Inflammation	Minimal
* Spleen		Hematopoietic Cell Proliferation	Minimal
* Thymus		Atrophy	Mild
Tooth		Dysplasia	

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99023-04
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: beta-Myrcene
CAS Number: 123-35-3

Date Report Requested: 10/16/2014
Time Report Requested: 05:39:02
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 18

TRT#: 1

SEX: Male

DAY ON TEST: 729

DOSE: 0 G/KG

DISP: Terminal Sacrifice

HISTO: 0400888

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Bone Marrow	* Brain
* Epididymis	* Esophagus	* Eye	* Gallbladder
* Harderian Gland	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Lymph Node, Mandibular
* Nose	* Pancreas	* Parathyroid Gland	* Pituitary Gland
* Preputial Gland	* Salivary Glands	* Seminal Vesicle	* Skin
* Testes	* Thyroid Gland	* Trachea	* Urinary Bladder

MISSING

* Mammary Gland

OBSERVATIONS

* Adrenal Cortex	Subcapsular	Hyperplasia	Minimal
* Heart		Cardiomyopathy	Mild
* Islets, Pancreatic		Hyperplasia	Mild
* Kidney	Renal Tubule	Hyperplasia	Minimal
		Nephropathy	Minimal
* Liver		Eosinophilic Focus	
		Hepatocellular Adenoma	Multiple
		Hepatocellular Carcinoma	
		Inflammation	Chronic Active, Minimal
		[Hepatocellular Adenoma TGLS = 2,3-5+11]	
		[Hepatocellular Carcinoma TGLS = 1-10]	
* Lung		Hepatocellular Carcinoma	Metastatic (Liver)
* Lymph Node, Mesenteric		Atrophy	Minimal
* Prostate		Inflammation	Minimal
* Spleen	Lymph Follic	Atrophy	Minimal
		Hematopoietic Cell Proliferation	Moderate
* Stomach, Forestomach	Epithelium	Hyperplasia	Mild
		Inflammation	Mild
		[Hyperplasia TGLS = 5-10]	
* Stomach, Glandular		Dysplasia	Mild

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99023-04
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: beta-Myrcene
CAS Number: 123-35-3

Date Report Requested: 10/16/2014
Time Report Requested: 05:39:02
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 18	TRT#: 1	SEX: Male	DAY ON TEST: 729
	DOSE: 0 G/KG	DISP: Terminal Sacrifice	HISTO: 0400888

ORGAN AND ACCOUNTABLE SITE STATUS

[Hyperplasia TGLS = 4-10]	Hyperplasia	Mild
* Thymus	Atrophy	Moderate
Tooth	Dysplasia	

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99023-04
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: beta-Myrcene
CAS Number: 123-35-3

Date Report Requested: 10/16/2014
Time Report Requested: 05:39:02
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 19

TRT#: 1
DOSE: 0 G/KG

SEX: Male
DISP: Terminal Sacrifice

DAY ON TEST: 730
HISTO: 0400889

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Bone Marrow	* Brain
* Epididymis	* Esophagus	* Eye	* Gallbladder
* Harderian Gland	* Heart	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Nose	* Pancreas
* Parathyroid Gland	* Pituitary Gland	* Preputial Gland	* Prostate
* Salivary Glands	* Seminal Vesicle	* Skin	* Stomach, Forestomach
* Stomach, Glandular	* Testes	* Thyroid Gland	* Trachea
* Urinary Bladder			

MISSING

* Mammary Gland

OBSERVATIONS

* Adrenal Cortex	Subcapsular	Hyperplasia	Minimal
* Islets, Pancreatic		Hyperplasia	Minimal
* Kidney		Nephropathy	Mild
* Liver		Basophilic Focus	
		Clear Cell Focus	
		Fatty Change	Minimal
		Hepatocellular Adenoma	
		Hepatocellular Carcinoma	
	[Basophilic Focus TGLS = 2-10]		
	[Hepatocellular Adenoma TGLS = 2-10]		
	[Hepatocellular Carcinoma TGLS = 1-10]		
* Lung		Hepatocellular Carcinoma	Metastatic (Liver)
* Spleen		Hematopoietic Cell Proliferation	Mild
* Thymus		Atrophy	Moderate
Tooth		Dysplasia	

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99023-04
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: beta-Myrcene
CAS Number: 123-35-3

Date Report Requested: 10/16/2014
Time Report Requested: 05:39:02
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 20

TRT#: 1

SEX: Male

DAY ON TEST: 611

DOSE: 0 G/KG

DISP: Natural Death

HISTO: 0400890

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Bone Marrow	* Brain
* Epididymis	* Esophagus	* Eye	* Gallbladder
* Harderian Gland	* Heart	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Lung	* Lymph Node, Mandibular	* Nose	* Pancreas
* Parathyroid Gland	* Pituitary Gland	* Preputial Gland	* Salivary Glands
* Seminal Vesicle	* Skin	* Stomach, Glandular	* Testes
* Thyroid Gland	* Trachea	* Urinary Bladder	

MISSING

* Mammary Gland

OBSERVATIONS

* Adrenal Cortex	Subcapsular	Hyperplasia	Minimal
* Islets, Pancreatic		Hyperplasia	Minimal
* Kidney		Mineralization	Minimal
		Nephropathy	Minimal
	Renal Tubule	Vacuolization Cytoplasmic	Mild
* Liver		Basophilic Focus	
		Eosinophilic Focus	
		Fatty Change	Minimal
		Hepatocellular Adenoma	
		Hepatocellular Carcinoma	
		Mixed Cell Focus	
		Necrosis	Minimal
Note: Multinucleate hepatocytes present.			
		[Hepatocellular Adenoma TGLS = 3 - 5]	
		[Hepatocellular Carcinoma TGLS = 1-10]	
		[Mixed Cell Focus TGLS = 2-11]	
* Lymph Node, Mesenteric		Atrophy	Minimal
* Prostate		Inflammation	Minimal
* Spleen	Lymph Follic	Atrophy	Mild

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99023-04
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: beta-Myrcene
CAS Number: 123-35-3

Date Report Requested: 10/16/2014
Time Report Requested: 05:39:02
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 20	TRT#: 1	SEX: Male	DAY ON TEST: 611
	DOSE: 0 G/KG	DISP: Natural Death	HISTO: 0400890

ORGAN AND ACCOUNTABLE SITE STATUS

* Stomach, Forestomach	Epithelium	Hematopoietic Cell Proliferation	Mild
		Hyperplasia	Moderate
		Inflammation	Mild
		Ulcer	Mild
[Hyperplasia TGLS = 4-5+10]			
* Thymus		Atrophy	Moderate
Tooth		Dysplasia	

PRIMARY CAUSE OF DEATH - Liver Hepatocellular Carcinoma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99023-04
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: beta-Myrcene
CAS Number: 123-35-3

Date Report Requested: 10/16/2014
Time Report Requested: 05:39:02
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 21

TRT#: 1
DOSE: 0 G/KG

SEX: Male
DISP: Terminal Sacrifice

DAY ON TEST: 729
HISTO: 0400891

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Bone Marrow	* Brain
* Epididymis	* Esophagus	* Eye	* Harderian Gland
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Lymph Node, Mandibular
* Lymph Node, Mesenteric	* Nose	* Pancreas	* Parathyroid Gland
* Pituitary Gland	* Preputial Gland	* Prostate	* Salivary Glands
* Seminal Vesicle	* Stomach, Forestomach	* Stomach, Glandular	* Testes
* Thyroid Gland	* Trachea	* Urinary Bladder	

MISSING

* Gallbladder	* Mammary Gland
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OBSERVATIONS

* Adrenal Cortex	Subcapsular	Hyperplasia Hypertrophy	Minimal Mild
* Gallbladder			
Note: Gallbladder was obliterated by the liver tumors.			
* Heart		Cardiomyopathy	Minimal
* Kidney	Renal Tubule	Hyperplasia Nephropathy	Mild Mild
	Renal Tubule	Pigmentation	Hemosiderin, Mild
* Liver		Eosinophilic Focus Hepatoblastoma Hepatocellular Adenoma Hepatocellular Carcinoma Mixed Cell Focus	Multiple
		[Hepatoblastoma TGLS = 2-12]	
		[Hepatocellular Adenoma TGLS = 4 - 4+14]	
		[Hepatocellular Carcinoma TGLS = 1,2 - 12]	
		[Mixed Cell Focus TGLS = 7-11]	
* Lung		Alveolar/Bronchiolar Adenoma	Multiple
		[Alveolar/Bronchiolar Adenoma TGLS = 5,6-3+10]	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99023-04
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: beta-Myrcene
CAS Number: 123-35-3

Date Report Requested: 10/16/2014
Time Report Requested: 05:39:02
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 21	TRT#: 1	SEX: Male	DAY ON TEST: 729
	DOSE: 0 G/KG	DISP: Terminal Sacrifice	HISTO: 0400891

ORGAN AND ACCOUNTABLE SITE STATUS

Mesentery	Fat	Necrosis	Moderate
Note: Mass diagnosed grossly as liver was microscopically deemed to be fat necrosis (TGL-3). [Necrosis TGLS = 3-13]			
* Skin	Hair Follicle	Inflammation	Mild
* Spleen		Hematopoietic Cell Proliferation	Minimal
* Thymus		Atrophy	Minimal
Tooth		Dysplasia	

PRIMARY CAUSE OF DEATH

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99023-04
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: beta-Myrcene
CAS Number: 123-35-3

Date Report Requested: 10/16/2014
Time Report Requested: 05:39:02
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 22	TRT#: 1	SEX: Male	DAY ON TEST: 730
	DOSE: 0 G/KG	DISP: Terminal Sacrifice	HISTO: 0400892

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Bone Marrow	* Brain
* Epididymis	* Eye	* Gallbladder	* Harderian Gland
* Heart	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Lung
* Lymph Node, Mandibular	* Nose	* Pancreas	* Parathyroid Gland
* Pituitary Gland	* Preputial Gland	* Prostate	* Salivary Glands
* Seminal Vesicle	* Skin	* Spleen	* Stomach, Forestomach
* Stomach, Glandular	* Testes	* Thyroid Gland	* Trachea
* Urinary Bladder			

MISSING

* Mammary Gland

OBSERVATIONS

* Adrenal Cortex	Subcapsular	Hyperplasia	Mild
* Esophagus		Inflammation	Minimal
* Islets, Pancreatic		Hyperplasia	Minimal
* Kidney	Renal Tubule	Hyperplasia	Mild
		Mineralization	Minimal
		Nephropathy	Minimal
	Renal Tubule	Vacuolization Cytoplasmic	Minimal
* Liver		Inflammation	Chronic Active, Minimal
* Lymph Node, Mesenteric		Atrophy	Minimal
* Thymus		Atrophy	Mild
Tooth		Dysplasia	

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99023-04
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: beta-Myrcene
CAS Number: 123-35-3

Date Report Requested: 10/16/2014
Time Report Requested: 05:39:02
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 23

TRT#: 1

SEX: Male

DAY ON TEST: 728

DOSE: 0 G/KG

DISP: Terminal Sacrifice

HISTO: 0400893

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Bone Marrow	* Brain
* Epididymis	* Esophagus	* Eye	* Gallbladder
* Harderian Gland	* Heart	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Lung	* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Pancreas
* Parathyroid Gland	* Pituitary Gland	* Preputial Gland	* Prostate
* Salivary Glands	* Seminal Vesicle	* Skin	* Stomach, Forestomach
* Testes	* Trachea	* Urinary Bladder	

MISSING

* Mammary Gland

OBSERVATIONS

* Adrenal Cortex	Subcapsular	Hyperplasia	Mild
* Islets, Pancreatic		Hyperplasia	Mild
* Kidney	Renal Tubule	Hyperplasia	Minimal
		Mineralization	Minimal
		Nephropathy	Minimal
	Renal Tubule	Vacuolization Cytoplasmic	Minimal
* Liver		Hemangiosarcoma	
	[Hemangiosarcoma TGLS = 1-3+10]		
* Nose	Olfactory Epi	Degeneration	Mild
		Inflammation	Mild
	Olfactory Epi	Metaplasia	Respiratory, Mild
		Polyp, Inflammatory	Mild
	Note: Clinical sign of abnormal breathing was due to tooth dysplasia and polyp causing obstruction of nasal passages.		
* Spleen		Hematopoietic Cell Proliferation	Mild
* Stomach, Glandular		Hyperplasia	Mild
		Inflammation	Minimal
* Thymus		Atrophy	Minimal
* Thyroid Gland	Follicle	Degeneration	Minimal
	Follicular Cel	Hypertrophy	Mild

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99023-04
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: beta-Myrcene
CAS Number: 123-35-3

Date Report Requested: 10/16/2014
Time Report Requested: 05:39:02
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 23

TRT#: 1

SEX: Male

DAY ON TEST: 728

DOSE: 0 G/KG

DISP: Terminal Sacrifice

HISTO: 0400893

ORGAN AND ACCOUNTABLE SITE STATUS

Tooth

Dysplasia

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99023-04

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: beta-Myrcene

CAS Number: 123-35-3

Date Report Requested: 10/16/2014

Time Report Requested: 05:39:02

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 24

TRT#: 1

SEX: Male

DAY ON TEST: 730

DOSE: 0 G/KG

DISP: Terminal Sacrifice

HISTO: 0400894

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Bone Marrow	* Brain
* Epididymis	* Esophagus	* Eye	* Gallbladder
* Harderian Gland	* Heart	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Lung	* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Nose
* Pancreas	* Parathyroid Gland	* Pituitary Gland	* Preputial Gland
* Salivary Glands	* Seminal Vesicle	* Skin	* Stomach, Forestomach
* Stomach, Glandular	* Testes	* Thyroid Gland	* Trachea
* Urinary Bladder			

MISSING

* Mammary Gland

OBSERVATIONS

* Adrenal Cortex	Subcapsular	Hyperplasia	Mild
* Islets, Pancreatic		Hyperplasia	Mild
* Kidney		Mineralization	Minimal
		Nephropathy	Minimal
	Renal Tubule	Vacuolization Cytoplasmic	Mild
* Liver		Eosinophilic Focus	
		Fatty Change	Minimal
		Hepatoblastoma	
		Hepatocellular Adenoma	Multiple
		Hepatocellular Carcinoma	
		Inflammation	Chronic Active, Minimal
		Necrosis	Minimal
		Tension Lipidosis	Minimal
* Prostate		Inflammation	Minimal
* Spleen		Hematopoietic Cell Proliferation	Minimal

[Hepatoblastoma TGLS = 4-11]
 [Hepatocellular Adenoma TGLS = 1,2 - 10+11]
 [Hepatocellular Carcinoma TGLS = 3-12]

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99023-04
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: beta-Myrcene
CAS Number: 123-35-3

Date Report Requested: 10/16/2014
Time Report Requested: 05:39:02
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 24	TRT#: 1	SEX: Male	DAY ON TEST: 730
	DOSE: 0 G/KG	DISP: Terminal Sacrifice	HISTO: 0400894

ORGAN AND ACCOUNTABLE SITE STATUS

* Thymus	Atrophy	Minimal
Tooth	Dysplasia	

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99023-04
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: beta-Myrcene
CAS Number: 123-35-3

Date Report Requested: 10/16/2014
Time Report Requested: 05:39:02
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 25

TRT#: 1

SEX: Male

DAY ON TEST: 730

DOSE: 0 G/KG

DISP: Terminal Sacrifice

HISTO: 0400895

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Bone Marrow	* Brain
* Epididymis	* Esophagus	* Eye	* Gallbladder
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Lung	* Lymph Node, Mandibular
* Lymph Node, Mesenteric	* Nose	* Pancreas	* Pituitary Gland
* Salivary Glands	* Seminal Vesicle	* Skin	* Stomach, Forestomach
* Stomach, Glandular	* Thyroid Gland	* Trachea	* Urinary Bladder

MISSING

* Mammary Gland	* Parathyroid Gland
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OBSERVATIONS

* Adrenal Cortex	Subcapsular	Hyperplasia	Mild
* Harderian Gland		Adenoma	
* Heart	Coron Artery	Inflammation	Minimal
* Islets, Pancreatic		Hyperplasia	Mild
* Kidney	Renal Tubule	Hyperplasia	Mild
		Mineralization	Minimal
		Nephropathy	Minimal
	Renal Tubule	Vacuolization Cytoplasmic	Minimal
* Liver		Clear Cell Focus	
		Hepatocellular Adenoma	Multiple
		Inflammation	Chronic Active, Minimal
		Ito Cell Tumor Malignant	
Note: Ito cell tumor is also in B03 and B05.			
[Hepatocellular Adenoma TGLS = 2, 3-10+11]			
[Ito Cell Tumor Malignant TGLS = 4-10, 5-3]			
* Preputial Gland		Inflammation	Moderate
[Inflammation TGLS = 1-8]			
* Prostate		Inflammation	Minimal
* Spleen	Lymph Follic	Atrophy	Mild
		Hematopoietic Cell Proliferation	Moderate

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99023-04
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: beta-Myrcene
CAS Number: 123-35-3

Date Report Requested: 10/16/2014
Time Report Requested: 05:39:02
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 25	TRT#: 1	SEX: Male	DAY ON TEST: 730
	DOSE: 0 G/KG	DISP: Terminal Sacrifice	HISTO: 0400895

ORGAN AND ACCOUNTABLE SITE STATUS

* Testes	Germinal Epith	Degeneration	Minimal
* Thymus		Atrophy	Moderate
Tooth		Dysplasia	

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99023-04
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: beta-Myrcene
CAS Number: 123-35-3

Date Report Requested: 10/16/2014
Time Report Requested: 05:39:02
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 26

TRT#: 1
DOSE: 0 G/KG

SEX: Male
DISP: Terminal Sacrifice

DAY ON TEST: 730
HISTO: 0400896

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Bone Marrow	* Brain
* Epididymis	* Esophagus	* Eye	* Gallbladder
* Heart	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Lymph Node, Mandibular
* Lymph Node, Mesenteric	* Nose	* Pancreas	* Parathyroid Gland
* Pituitary Gland	* Preputial Gland	* Salivary Glands	* Seminal Vesicle
* Skin	* Stomach, Forestomach	* Stomach, Glandular	* Testes
* Thyroid Gland	* Trachea	* Urinary Bladder	

MISSING

* Mammary Gland

OBSERVATIONS

* Adrenal Cortex	Subcapsular	Hyperplasia	Mild
* Harderian Gland		Adenoma	
[Adenoma TGLS = 1-9]			
* Islets, Pancreatic		Hyperplasia	Minimal
* Kidney	Renal Tubule	Hyperplasia	Minimal
		Infarct	Minimal
		Mineralization	Minimal
		Nephropathy	Minimal
* Liver	Renal Tubule	Vacuolization Cytoplasmic	Mild
		Fatty Change	Mild
		Hepatocellular Carcinoma	
[Hepatocellular Carcinoma TGLS = 2-11]			
* Lung		Alveolar/Bronchiolar Adenoma	
[Alveolar/Bronchiolar Adenoma TGLS = 4-03]			
* Prostate		Inflammation	Minimal
* Spleen		Hematopoietic Cell Proliferation	Mild
* Thymus		Atrophy	Minimal
Tooth		Dysplasia	

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99023-04
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: beta-Myrcene
CAS Number: 123-35-3

Date Report Requested: 10/16/2014
Time Report Requested: 05:39:02
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 26

TRT#: 1

SEX: Male

DAY ON TEST: 730

DOSE: 0 G/KG

DISP: Terminal Sacrifice

HISTO: 0400896

ORGAN AND ACCOUNTABLE SITE STATUS

Animal Note: TGLs= 3 - No Corresponding Lesion

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99023-04
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: beta-Myrcene
CAS Number: 123-35-3

Date Report Requested: 10/16/2014
Time Report Requested: 05:39:02
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 27

TRT#: 1

SEX: Male

DAY ON TEST: 729

DOSE: 0 G/KG

DISP: Terminal Sacrifice

HISTO: 0400897

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Bone Marrow	* Brain
* Epididymis	* Esophagus	* Eye	* Gallbladder
* Harderian Gland	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Lung
* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Pancreas	* Parathyroid Gland
* Preputial Gland	* Prostate	* Salivary Glands	* Seminal Vesicle
* Skin	* Stomach, Forestomach	* Stomach, Glandular	* Testes
* Thyroid Gland	* Trachea	* Urinary Bladder	

MISSING

* Mammary Gland

OBSERVATIONS

* Adrenal Cortex	Subcapsular	Hyperplasia	Mild
* Heart	Coron Artery	Inflammation	Minimal
* Islets, Pancreatic		Hyperplasia	Minimal
* Kidney		Mineralization	Minimal
		Nephropathy	Minimal
	Renal Tubule	Vacuolization Cytoplasmic	Minimal
* Liver		Clear Cell Focus	
		Fatty Change	Minimal
		Hepatocellular Adenoma	
		Tension Lipidosis	Minimal
	[Hepatocellular Adenoma TGLS = 2-4]		
Mesentery	Fat	Necrosis	Moderate
	[Necrosis TGLS = 1-10]		
* Nose		Polyp, Inflammatory	Minimal
* Pancreas			
Note: TGL-1, identified grossly as a pancreatic mass, microscopically was an area of fat necrosis between the stomach, pancreas, and body wall.			
* Pituitary Gland	Pars Distalis	Hyperplasia	Minimal
* Spleen		Hematopoietic Cell Proliferation	Mild
* Thymus		Atrophy	Minimal

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99023-04
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: beta-Myrcene
CAS Number: 123-35-3

Date Report Requested: 10/16/2014
Time Report Requested: 05:39:02
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 27

TRT#: 1

SEX: Male

DAY ON TEST: 729

DOSE: 0 G/KG

DISP: Terminal Sacrifice

HISTO: 0400897

ORGAN AND ACCOUNTABLE SITE STATUS

Tooth

Dysplasia

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99023-04
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: beta-Myrcene
CAS Number: 123-35-3

Date Report Requested: 10/16/2014
Time Report Requested: 05:39:02
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 28

TRT#: 1
DOSE: 0 G/KG

SEX: Male
DISP: Natural Death

DAY ON TEST: 621
HISTO: 0400898

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Bone	* Brain	* Epididymis	* Esophagus
* Eye	* Gallbladder	* Harderian Gland	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Kidney	* Lung
* Nose	* Pancreas	* Pituitary Gland	* Salivary Glands
* Seminal Vesicle	* Skin	* Stomach, Forestomach	* Stomach, Glandular
* Testes	* Thyroid Gland	* Trachea	* Urinary Bladder

MISSING

* Lymph Node, Mandibular	* Mammary Gland	* Parathyroid Gland
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OBSERVATIONS

* Adrenal Cortex	Subcapsular	Hyperplasia Lymphoma Malignant	Mild
[Lymphoma Malignant TGLS = 3-10]			
* Adrenal Medulla		Lymphoma Malignant	
[Lymphoma Malignant TGLS = 3-10]			
* Bone Marrow		Lymphoma Malignant	
* Heart		Cardiomyopathy Mineralization	Minimal Mild
* Kidney			
Note: There was no corresponding lesion for the gross finding of kidney pallor (TGL-2).			
* Liver		Lymphoma Malignant	
Lymph Node	Inguinal	Lymphoma Malignant	
	Mediastinal	Lymphoma Malignant	
Note: The inguinal lymph node is with skin on B08.			
Note: There is also mediastinal lymph node with lymphoma on B06.			
[Lymphoma Malignant TGLS = 5-11]			
* Lymph Node, Mesenteric		Lymphoma Malignant	
[Lymphoma Malignant TGLS = 6-12]			
Mesentery	Fat	Necrosis	Minimal
Note: Fat necrosis is on slide 06.			

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99023-04
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: beta-Myrcene
CAS Number: 123-35-3

Date Report Requested: 10/16/2014
Time Report Requested: 05:39:02
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 28	TRT#: 1	SEX: Male	DAY ON TEST: 621
	DOSE: 0 G/KG	DISP: Natural Death	HISTO: 0400898

ORGAN AND ACCOUNTABLE SITE STATUS

* Preputial Gland [Hemangiosarcoma TGLS = 1-8]	Hemangiosarcoma	
* Prostate	Inflammation	Minimal
* Spleen [Lymphoma Malignant TGLS = 4-10]	Lymphoma Malignant	
* Thymus	Atrophy	Moderate
Tooth	Dysplasia	

PRIMARY CAUSE OF DEATH - Spleen Lymphoma Malignant

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99023-04
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: beta-Myrcene
CAS Number: 123-35-3

Date Report Requested: 10/16/2014
Time Report Requested: 05:39:02
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 29

TRT#: 1

SEX: Male

DAY ON TEST: 560

DOSE: 0 G/KG

DISP: Natural Death

HISTO: 0400899

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Brain	* Epididymis	* Esophagus	* Eye
* Gallbladder	* Harderian Gland	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Lymph Node, Mandibular	* Pancreas	* Pituitary Gland
* Seminal Vesicle	* Skin	* Spleen	* Stomach, Glandular
* Testes	* Trachea	* Urinary Bladder	

MISSING

* Mammary Gland	* Parathyroid Gland
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OBSERVATIONS

* Heart		Cardiomyopathy	Minimal
* Kidney		Mineralization	Minimal
		Nephropathy	Minimal
* Liver		Eosinophilic Focus	
* Lung		Carcinoma	Metastatic (Thyroid Gland)
[Carcinoma TGLS = 2-3]			
* Lymph Node, Mesenteric		Atrophy	Marked
* Nose		Inflammation	Moderate
	Olfactory Epi	Metaplasia	Respiratory, Mild
* Preputial Gland		Inflammation	Moderate
[Inflammation TGLS = 3-8]			
* Prostate		Inflammation	Minimal
* Salivary Glands		Inflammation	Mild
* Stomach, Forestomach	Epithelium	Hyperplasia	Mild
		Inflammation	Mild
* Thymus		Atrophy	Marked
* Thyroid Gland	Follicular Cel	Carcinoma	
[Carcinoma TGLS = 1-10]			
Tooth		Dysplasia	

PRIMARY CAUSE OF DEATH - Thyroid Gland Follicular Cel Carcinoma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99023-04
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: beta-Myrcene
CAS Number: 123-35-3

Date Report Requested: 10/16/2014
Time Report Requested: 05:39:02
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 29

TRT#: 1

DOSE: 0 G/KG

SEX: Male

DISP: Natural Death

DAY ON TEST: 560

HISTO: 0400899

ORGAN AND ACCOUNTABLE SITE STATUS

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99023-04
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: beta-Myrcene
CAS Number: 123-35-3

Date Report Requested: 10/16/2014
Time Report Requested: 05:39:02
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 30	TRT#: 1	SEX: Male	DAY ON TEST: 645
	DOSE: 0 G/KG	DISP: Natural Death	HISTO: 0400900

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Bone Marrow	* Brain
* Epididymis	* Esophagus	* Eye	* Gallbladder
* Harderian Gland	* Heart	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Nose	* Pancreas
* Parathyroid Gland	* Pituitary Gland	* Preputial Gland	* Salivary Glands
* Seminal Vesicle	* Skin	* Stomach, Forestomach	* Stomach, Glandular
* Testes	* Thyroid Gland	* Trachea	* Urinary Bladder

MISSING

* Mammary Gland

OBSERVATIONS

* Adrenal Cortex	Subcapsular	Hyperplasia	Minimal
* Islets, Pancreatic		Hyperplasia	Minimal
* Kidney		Infarct	Mild
		Nephropathy	Minimal
* Liver		Hepatocellular Carcinoma	
		Necrosis	Mild
			[Hepatocellular Carcinoma TGLS = 2-10]
* Lung		Hepatocellular Carcinoma	Metastatic (Liver)
			[Hepatocellular Carcinoma TGLS = 3-11]
* Prostate		Inflammation	Minimal
* Spleen		Hematopoietic Cell Proliferation	Marked
			[Hematopoietic Cell Proliferation TGLS = 1-4]
* Thymus		Atrophy	Mild

PRIMARY CAUSE OF DEATH - Liver Hepatocellular Carcinoma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99023-04
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: beta-Myrcene
CAS Number: 123-35-3

Date Report Requested: 10/16/2014
Time Report Requested: 05:39:02
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 31 **TRT#:** 1 **SEX:** Male **DAY ON TEST:** 729
DOSE: 0 G/KG **DISP:** Terminal Sacrifice **HISTO:** 0400901

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Bone Marrow	* Brain
* Epididymis	* Eye	* Gallbladder	* Harderian Gland
* Heart	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Lung	* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Nose
* Pancreas	* Parathyroid Gland	* Pituitary Gland	* Preputial Gland
* Prostate	* Salivary Glands	* Seminal Vesicle	* Skin
* Spleen	* Stomach, Forestomach	* Stomach, Glandular	* Testes
* Thyroid Gland	* Trachea	* Urinary Bladder	

MISSING

* Mammary Gland

OBSERVATIONS

* Adrenal Cortex	Subcapsular	Hyperplasia	Mild
* Esophagus		Inflammation	Minimal
* Kidney	Renal Tubule	Hyperplasia	Minimal
		Infarct	Minimal
		Nephropathy	Minimal
* Liver	Renal Tubule	Vacuolization Cytoplasmic	Minimal
		Fatty Change	Mild
		Inflammation	Chronic Active, Minimal
* Thymus		Atrophy	Minimal
Tooth		Dysplasia	

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99023-04
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: beta-Myrcene
CAS Number: 123-35-3

Date Report Requested: 10/16/2014
Time Report Requested: 05:39:02
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 32

TRT#: 1

SEX: Male

DAY ON TEST: 673

DOSE: 0 G/KG

DISP: Moribund Sacrifice

HISTO: 0400902

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Brain	* Epididymis
* Esophagus	* Eye	* Gallbladder	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Lung	* Lymph Node, Mandibular
* Nose	* Pancreas	* Parathyroid Gland	* Pituitary Gland
* Preputial Gland	* Salivary Glands	* Seminal Vesicle	* Skin
* Stomach, Forestomach	* Stomach, Glandular	* Testes	* Trachea
* Urinary Bladder			

MISSING

* Mammary Gland

OBSERVATIONS

* Adrenal Cortex		Amyloid Deposition	Mild
	Subcapsular	Hyperplasia	Mild
* Bone Marrow	Myeloid Cell	Hyperplasia	Mild
* Harderian Gland		Adenoma	
	[Adenoma TGLS = 3-9]		
* Heart		Cardiomyopathy	Minimal
* Kidney	Cortex	Inflammation	Marked
	Papilla	Inflammation	Moderate
	Pelvis	Inflammation	Mild
	Papilla	Necrosis	Marked
	Note: The extensive tubular dilatation and interstitial fibrosis were not separately diagnosed as they were considered secondary to the inflammation (pyelonephritis).		
	[Inflammation TGLS = 1-4]		
* Liver		Amyloid Deposition	Moderate
		Hematopoietic Cell Proliferation	Mild
* Lym Node Mand			
	Note: No corresponding lesion for TGL-2 (enlargement).		
* Lymph Node, Mesenteric		Atrophy	Minimal
* Prostate		Inflammation	Moderate
* Spleen		Amyloid Deposition	Mild

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99023-04
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: beta-Myrcene
CAS Number: 123-35-3

Date Report Requested: 10/16/2014
Time Report Requested: 05:39:02
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 32	TRT#: 1	SEX: Male	DAY ON TEST: 673
	DOSE: 0 G/KG	DISP: Moribund Sacrifice	HISTO: 0400902

ORGAN AND ACCOUNTABLE SITE STATUS

* Thymus		Hematopoietic Cell Proliferation	Moderate
* Thyroid Gland	C Cell	Atrophy	Marked
Tooth		Hyperplasia	Moderate
		Dysplasia	

PRIMARY CAUSE OF DEATH - Kidney Cortex Inflammation

Animal Note: The positive control slide for the Congo Red stain was filed along with slides f or animal 32.

Animal Note: The amyloid present was only weakly positive (apple-green birefringence under polarized light) when stained with Congo Red for amyloid.

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99023-04
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: beta-Myrcene
CAS Number: 123-35-3

Date Report Requested: 10/16/2014
Time Report Requested: 05:39:02
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 33

TRT#: 1

SEX: Male

DAY ON TEST: 546

DOSE: 0 G/KG

DISP: Moribund Sacrifice

HISTO: 0400903

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Bone Marrow	* Brain
* Epididymis	* Esophagus	* Eye	* Gallbladder
* Harderian Gland	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Lung
* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Pancreas	* Parathyroid Gland
* Pituitary Gland	* Preputial Gland	* Salivary Glands	* Seminal Vesicle
* Skin	* Spleen	* Stomach, Glandular	* Testes
* Thyroid Gland	* Trachea	* Urinary Bladder	

MISSING

* Mammary Gland

OBSERVATIONS

* Adrenal Cortex	Subcapsular	Hyperplasia	Mild
* Heart		Cardiomyopathy	Minimal
* Islets, Pancreatic		Hyperplasia	Mild
* Kidney		Mineralization	Minimal
		Nephropathy	Marked
	Renal Tubule	Vacuolization Cytoplasmic	Mild
* Liver		Fatty Change	Mild
[Fatty Change TGLS = 1-3]			
* Nose	Olfactory Epi	Degeneration	Minimal
* Prostate		Inflammation	Minimal
* Stomach, Forestomach	Epithelium	Hyperplasia	Moderate
		Inflammation	Mild
		Necrosis	Minimal
[Hyperplasia TGLS = 2-5+10]			
* Thymus		Atrophy	Marked
Tooth		Dysplasia	

PRIMARY CAUSE OF DEATH

- Kidney Nephropathy

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99023-04
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: beta-Myrcene
CAS Number: 123-35-3

Date Report Requested: 10/16/2014
Time Report Requested: 05:39:02
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 34

TRT#: 1

SEX: Male

DAY ON TEST: 729

DOSE: 0 G/KG

DISP: Terminal Sacrifice

HISTO: 0400904

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone Marrow	* Brain	* Epididymis
* Esophagus	* Eye	* Gallbladder	* Harderian Gland
* Heart	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Lymph Node, Mandibular
* Nose	* Pancreas	* Parathyroid Gland	* Pituitary Gland
* Prostate	* Salivary Glands	* Seminal Vesicle	* Skin
* Stomach, Forestomach	* Stomach, Glandular	* Testes	* Thyroid Gland
* Trachea	* Urinary Bladder		

MISSING

* Mammary Gland

OBSERVATIONS

* Adrenal Cortex	Subcapsular	Hyperplasia	Mild
* Bone	Joint	Arthrosis	Marked
Note: Femorotibial joint is ankylosed.			
* Islets, Pancreatic		Hyperplasia	Minimal
* Kidney		Mineralization	Minimal
		Nephropathy	Minimal
	Renal Tubule	Vacuolization Cytoplasmic	Minimal
* Liver		Eosinophilic Focus	
		Fatty Change	Mild
		Hemangiosarcoma	
		Hepatocellular Adenoma	
		Inflammation	Chronic Active, Minimal
		Mixed Cell Focus	
[Hemangiosarcoma TGLS = 5-11]			
[Hepatocellular Adenoma TGLS = 2-10]			
[Mixed Cell Focus TGLS = 4-4]			
* Lung		Alveolar/Bronchiolar Adenoma	Multiple
		Inflammation	Chronic Active, Minimal
[Alveolar/Bronchiolar Adenoma TGLS = 3-10]			

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99023-04
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: beta-Myrcene
CAS Number: 123-35-3

Date Report Requested: 10/16/2014
Time Report Requested: 05:39:02
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 34	TRT#: 1	SEX: Male	DAY ON TEST: 729
	DOSE: 0 G/KG	DISP: Terminal Sacrifice	HISTO: 0400904

ORGAN AND ACCOUNTABLE SITE STATUS

* Lymph Node, Mesenteric	Amyloid Deposition	Minimal
	Inflammation	Mild
	Pigmentation	Hemosiderin, Mild
* Preputial Gland	Inflammation	Mild
[Inflammation TGLS = 1-8]		
* Spleen	Hematopoietic Cell Proliferation	Minimal
* Thymus	Atrophy	Mild
Tooth	Dysplasia	

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99023-04
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: beta-Myrcene
CAS Number: 123-35-3

Date Report Requested: 10/16/2014
Time Report Requested: 05:39:03
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 35

TRT#: 1

SEX: Male

DAY ON TEST: 644

DOSE: 0 G/KG

DISP: Natural Death

HISTO: 0400905

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Bone Marrow	* Brain
* Epididymis	* Esophagus	* Eye	* Gallbladder
* Harderian Gland	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Lung
* Lymph Node, Mesenteric	* Nose	* Pancreas	* Parathyroid Gland
* Pituitary Gland	* Preputial Gland	* Prostate	* Salivary Glands
* Seminal Vesicle	* Stomach, Forestomach	* Stomach, Glandular	* Testes
* Thyroid Gland	* Trachea	* Urinary Bladder	

MISSING

* Mammary Gland

OBSERVATIONS

* Adrenal Cortex	Subcapsular	Hyperplasia	Minimal
* Heart		Cardiomyopathy	Minimal
* Islets, Pancreatic		Hyperplasia	Minimal
* Kidney		Mineralization	Minimal
	Renal Tubule	Vacuolization Cytoplasmic	Minimal
* Liver		Hemangiosarcoma	
		Hematopoietic Cell Proliferation	Minimal
		Hepatocellular Carcinoma	Multiple
		Vacuolization Cytoplasmic	Mild
		[Hemangiosarcoma TGLS = 5-11]	
		[Hepatocellular Carcinoma TGLS = 4-12, 3-11]	
* Lymph Node, Mandibular		Atrophy	Mild
* Skin		Hemangiosarcoma	
		[Hemangiosarcoma TGLS = 1-10]	
* Spleen	Lymph Follic	Atrophy	Marked
		Hematopoietic Cell Proliferation	Marked
		[Hematopoietic Cell Proliferation TGLS = 2-4]	
* Thymus		Amyloid Deposition	Minimal
		Atrophy	Marked

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99023-04
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: beta-Myrcene
CAS Number: 123-35-3

Date Report Requested: 10/16/2014
Time Report Requested: 05:39:03
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 35

TRT#: 1

SEX: Male

DAY ON TEST: 644

DOSE: 0 G/KG

DISP: Natural Death

HISTO: 0400905

ORGAN AND ACCOUNTABLE SITE STATUS

PRIMARY CAUSE OF DEATH

- Skin Hemangiosarcoma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99023-04
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: beta-Myrcene
CAS Number: 123-35-3

Date Report Requested: 10/16/2014
Time Report Requested: 05:39:03
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 36

TRT#: 1

SEX: Male

DAY ON TEST: 729

DOSE: 0 G/KG

DISP: Terminal Sacrifice

HISTO: 0400906

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Bone Marrow	* Brain
* Epididymis	* Esophagus	* Eye	* Gallbladder
* Harderian Gland	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Lung	* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Pancreas
* Parathyroid Gland	* Pituitary Gland	* Preputial Gland	* Prostate
* Salivary Glands	* Seminal Vesicle	* Skin	* Stomach, Forestomach
* Stomach, Glandular	* Testes	* Thyroid Gland	* Trachea
* Urinary Bladder			

MISSING

* Mammary Gland

OBSERVATIONS

* Adrenal Cortex	Subcapsular	Hyperplasia	Minimal
		Hypertrophy	Minimal
* Heart	Coron Artery	Inflammation	Minimal
* Kidney	Cortex	Cyst	Minimal
	Renal Tubule	Hyperplasia	Minimal
		Nephropathy	Minimal
	Renal Tubule	Vacuolization Cytoplasmic	Minimal
* Liver		Basophilic Focus	
		Clear Cell Focus	
		Fatty Change	Moderate
		Hepatocellular Adenoma	Multiple
		Mixed Cell Focus	
		[Clear Cell Focus TGLS = 3,4-10+11]	
		[Hepatocellular Adenoma TGLS = 1,2-4+10]	
* Nose	Respirat Epith	Hyperplasia	Minimal
	Olfactory Epi	Metaplasia	Respiratory, Mild
		Polyp, Inflammatory	Mild
* Spleen		Hematopoietic Cell Proliferation	Minimal

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99023-04
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: beta-Myrcene
CAS Number: 123-35-3

Date Report Requested: 10/16/2014
Time Report Requested: 05:39:03
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 36	TRT#: 1	SEX: Male	DAY ON TEST: 729
	DOSE: 0 G/KG	DISP: Terminal Sacrifice	HISTO: 0400906

ORGAN AND ACCOUNTABLE SITE STATUS

* Thymus	Atrophy	Minimal
Tooth	Dysplasia	

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99023-04
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: beta-Myrcene
CAS Number: 123-35-3

Date Report Requested: 10/16/2014
Time Report Requested: 05:39:03
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 37

TRT#: 1

SEX: Male

DAY ON TEST: 729

DOSE: 0 G/KG

DISP: Terminal Sacrifice

HISTO: 0400907

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Bone Marrow	* Brain
* Epididymis	* Esophagus	* Eye	* Gallbladder
* Harderian Gland	* Heart	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Lung	* Lymph Node, Mandibular	* Lymph Node, Mesenteric
* Nose	* Pancreas	* Parathyroid Gland	* Pituitary Gland
* Prostate	* Salivary Glands	* Seminal Vesicle	* Skin
* Spleen	* Stomach, Forestomach	* Stomach, Glandular	* Testes
* Thyroid Gland	* Trachea	* Urinary Bladder	

MISSING

* Mammary Gland

OBSERVATIONS

* Adrenal Cortex		Hypertrophy	Minimal
* Kidney	Renal Tubule	Hyperplasia	Minimal
		Mineralization	Minimal
		Nephropathy	Minimal
	Renal Tubule	Vacuolization Cytoplasmic	Minimal
		Hepatocellular Adenoma	
* Liver	[Hepatocellular Adenoma TGLS = 4-10,5-4]		
* Preputial Gland		Ectasia	Mild
	[Ectasia TGLS = 1-8]		
* Spleen	Note: No corresponding finding for TGL-2 (small spleen).		
* Thymus		Atrophy	Moderate
Tongue		Squamous Cell Carcinoma	
	[Squamous Cell Carcinoma TGLS = 3-10]		
Tooth		Dysplasia	

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99023-04
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: beta-Myrcene
CAS Number: 123-35-3

Date Report Requested: 10/16/2014
Time Report Requested: 05:39:03
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 38

TRT#: 1

SEX: Male

DAY ON TEST: 730

DOSE: 0 G/KG

DISP: Terminal Sacrifice

HISTO: 0400908

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Bone Marrow	* Brain
* Epididymis	* Esophagus	* Eye	* Gallbladder
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Lymph Node, Mandibular	* Nose
* Pancreas	* Parathyroid Gland	* Pituitary Gland	* Preputial Gland
* Prostate	* Salivary Glands	* Seminal Vesicle	* Skin
* Stomach, Forestomach	* Stomach, Glandular	* Testes	* Thyroid Gland
* Trachea	* Urinary Bladder		

MISSING

* Mammary Gland

OBSERVATIONS

* Adrenal Cortex	Subcapsular	Hyperplasia	Minimal
		Hypertrophy	Minimal
* Harderian Gland		Adenoma	
	[Adenoma TGLS = 4-9]		
* Heart		Inflammation	Minimal
* Islets, Pancreatic		Hyperplasia	Minimal
* Kidney		Mineralization	Minimal
		Nephropathy	Minimal
	Renal Tubule	Vacuolization Cytoplasmic	Minimal
* Liver		Clear Cell Focus	
		Fatty Change	Minimal
		Hepatocellular Adenoma	Multiple
		Mixed Cell Focus	
	[Hepatocellular Adenoma TGLS = 2-11, 1-10]		
* Lung		Alveolar/Bronchiolar Carcinoma	
	Alveolus	Infiltration Cellular	Histiocyte, Minimal
	[Alveolar/Bronchiolar Carcinoma TGLS = 3-11]		
* Lymph Node, Mesenteric		Atrophy	Minimal
* Spleen		Hematopoietic Cell Proliferation	Minimal

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99023-04
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: beta-Myrcene
CAS Number: 123-35-3

Date Report Requested: 10/16/2014
Time Report Requested: 05:39:03
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 38

TRT#: 1
DOSE: 0 G/KG

SEX: Male
DISP: Terminal Sacrifice

DAY ON TEST: 730
HISTO: 0400908

ORGAN AND ACCOUNTABLE SITE STATUS

* Thymus	Atrophy	Minimal
Tooth	Dysplasia	

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99023-04
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: beta-Myrcene
CAS Number: 123-35-3

Date Report Requested: 10/16/2014
Time Report Requested: 05:39:03
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 39

TRT#: 1

SEX: Male

DAY ON TEST: 730

DOSE: 0 G/KG

DISP: Terminal Sacrifice

HISTO: 0400909

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Bone Marrow	* Brain
* Epididymis	* Esophagus	* Eye	* Gallbladder
* Harderian Gland	* Heart	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Lung	* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Nose
* Pancreas	* Parathyroid Gland	* Pituitary Gland	* Prostate
* Salivary Glands	* Seminal Vesicle	* Skin	* Spleen
* Stomach, Forestomach	* Stomach, Glandular	* Testes	* Thyroid Gland
* Trachea	* Urinary Bladder		

MISSING

* Mammary Gland

OBSERVATIONS

* Adrenal Cortex	Subcapsular	Adenoma	
	Subcapsular	Hyperplasia	Mild
* Islets, Pancreatic		Hyperplasia	Mild
* Kidney		Mineralization	Minimal
		Nephropathy	Minimal
	Renal Tubule	Vacuolization Cytoplasmic	Minimal
* Liver		Clear Cell Focus	
		Eosinophilic Focus	
		Fatty Change	Minimal
		Hepatocellular Adenoma	Multiple
		Inflammation	Chronic Active, Minimal
		Mixed Cell Focus	
		[Hepatocellular Adenoma TGLS = 1,3,4,7-3+5+10+11]	
		[Mixed Cell Focus TGLS = 5-11]	
* Preputial Gland		Inflammation	Marked
		[Inflammation TGLS = 2-8]	
* Thymus		Atrophy	Moderate

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99023-04
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: beta-Myrcene
CAS Number: 123-35-3

Date Report Requested: 10/16/2014
Time Report Requested: 05:39:03
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 39

TRT#: 1

SEX: Male

DAY ON TEST: 730

DOSE: 0 G/KG

DISP: Terminal Sacrifice

HISTO: 0400909

ORGAN AND ACCOUNTABLE SITE STATUS

Animal Note: TGL 6 = NCL (No Corresponding Lesion)

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99023-04
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: beta-Myrcene
CAS Number: 123-35-3

Date Report Requested: 10/16/2014
Time Report Requested: 05:39:03
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 40

TRT#: 1

SEX: Male

DAY ON TEST: 730

DOSE: 0 G/KG

DISP: Terminal Sacrifice

HISTO: 0400910

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Bone Marrow	* Brain
* Epididymis	* Esophagus	* Eye	* Gallbladder
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Lymph Node, Mandibular	* Lymph Node, Mesenteric
* Nose	* Pancreas	* Parathyroid Gland	* Pituitary Gland
* Preputial Gland	* Salivary Glands	* Seminal Vesicle	* Skin
* Stomach, Forestomach	* Testes	* Thyroid Gland	* Trachea
* Urinary Bladder			

MISSING

* Mammary Gland

OBSERVATIONS

* Adrenal Cortex	Subcapsular	Hyperplasia Hypertrophy	Mild Minimal
* Harderian Gland		Adenoma	
* Heart		Cardiomyopathy	Minimal
* Islets, Pancreatic		Hyperplasia	Minimal
* Kidney	Renal Tubule	Hyperplasia Mineralization Nephropathy	Mild Minimal Minimal
* Liver	Renal Tubule	Vacuolization Cytoplasmic Clear Cell Focus Eosinophilic Focus Fatty Change Hepatocellular Adenoma	Mild Mild Multiple
		[Clear Cell Focus TGLS = 3-10]	
		[Eosinophilic Focus TGLS = 2-10]	
		[Hepatocellular Adenoma TGLS = 1,4-4+5]	
* Lung		Alveolar/Bronchiolar Adenoma	Multiple
* Prostate		Inflammation	Minimal
* Spleen		Hematopoietic Cell Proliferation	Mild

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99023-04
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: beta-Myrcene
CAS Number: 123-35-3

Date Report Requested: 10/16/2014
Time Report Requested: 05:39:03
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 40	TRT#: 1	SEX: Male	DAY ON TEST: 730
	DOSE: 0 G/KG	DISP: Terminal Sacrifice	HISTO: 0400910

ORGAN AND ACCOUNTABLE SITE STATUS

* Stomach, Glandular	Muscularis	Hypertrophy	Mild
* Thymus		Atrophy	Moderate
Tooth		Dysplasia	

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99023-04
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: beta-Myrcene
CAS Number: 123-35-3

Date Report Requested: 10/16/2014
Time Report Requested: 05:39:03
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 41

TRT#: 1
DOSE: 0 G/KG

SEX: Male
DISP: Terminal Sacrifice

DAY ON TEST: 729
HISTO: 0400911

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Bone Marrow	* Brain
* Esophagus	* Eye	* Gallbladder	* Harderian Gland
* Heart	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Lymph Node, Mandibular
* Nose	* Parathyroid Gland	* Pituitary Gland	* Preputial Gland
* Salivary Glands	* Seminal Vesicle	* Skin	* Spleen
* Stomach, Forestomach	* Stomach, Glandular	* Thyroid Gland	* Trachea
* Urinary Bladder			

MISSING

* Mammary Gland

OBSERVATIONS

* Adrenal Cortex	Subcapsular	Hyperplasia Hypertrophy	Minimal Mild
* Epididymis		Granuloma Sperm	Minimal
* Islets, Pancreatic		Hyperplasia	Minimal
* Kidney		Mineralization	Minimal
		Nephropathy	Minimal
	Renal Tubule	Vacuolization Cytoplasmic	Minimal
* Liver		Clear Cell Focus	
		Fatty Change	Moderate
		Inflammation	Chronic Active, Minimal
		Mixed Cell Focus	
* Lung	Alveolar Epith	Hyperplasia	Minimal
* Lymph Node, Mesenteric		Atrophy	Minimal
* Pancreas		Cytoplasmic Alteration	Minimal
* Prostate		Inflammation	Minimal
* Testes	Germinal Epith	Degeneration	Minimal
* Thymus		Atrophy	Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99023-04
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: beta-Myrcene
CAS Number: 123-35-3

Date Report Requested: 10/16/2014
Time Report Requested: 05:39:03
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 42 **TRT#:** 1 **SEX:** Male **DAY ON TEST:** 728
DOSE: 0 G/KG **DISP:** Terminal Sacrifice **HISTO:** 0400912

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Bone Marrow	* Brain
* Epididymis	* Esophagus	* Eye	* Gallbladder
* Harderian Gland	* Heart	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Lung	* Pancreas	* Parathyroid Gland
* Pituitary Gland	* Preputial Gland	* Salivary Glands	* Seminal Vesicle
* Skin	* Stomach, Forestomach	* Stomach, Glandular	* Testes
* Thyroid Gland	* Trachea	* Urinary Bladder	

MISSING

* Mammary Gland

OBSERVATIONS

* Adrenal Cortex	Subcapsular	Hyperplasia	Mild
* Kidney		Nephropathy	Marked
* Liver		Eosinophilic Focus	
		Hepatocellular Adenoma	Multiple
		Inflammation	Chronic Active, Minimal
		[Hepatocellular Adenoma TGLS = 1,2-10]	
* Lymph Node, Mandibular		Infiltration Cellular	Plasma Cell, Moderate
* Lymph Node, Mesenteric		Atrophy	Moderate
* Nose	Olfactory Epi	Metaplasia	Respiratory, Moderate
		Polyp, Inflammatory	Moderate
* Prostate		Inflammation	Minimal
* Spleen		Hematopoietic Cell Proliferation	Minimal
* Thymus		Atrophy	Marked
Tooth		Dysplasia	

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99023-04
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: beta-Myrcene
CAS Number: 123-35-3

Date Report Requested: 10/16/2014
Time Report Requested: 05:39:03
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 43

TRT#: 1

SEX: Male

DAY ON TEST: 666

DOSE: 0 G/KG

DISP: Moribund Sacrifice

HISTO: 0400913

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Bone	* Bone Marrow	* Brain	* Epididymis
* Esophagus	* Eye	* Gallbladder	* Heart
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Lung	* Lymph Node, Mandibular
* Lymph Node, Mesenteric	* Pancreas	* Parathyroid Gland	* Pituitary Gland
* Preputial Gland	* Salivary Glands	* Seminal Vesicle	* Skin
* Stomach, Glandular	* Testes	* Thymus	* Thyroid Gland
* Trachea	* Urinary Bladder		

MISSING

* Mammary Gland

OBSERVATIONS

* Adrenal Cortex	Subcapsular	Hyperplasia	Mild
* Adrenal Medulla		Hyperplasia	Minimal
* Eye			
Note: There was no optic nerve in block or wet tissue.			
Note: One eye was compressed and obliterated by the harderian carcinoma.			
* Harderian Gland		Adenoma Carcinoma	
[Carcinoma TGLS = 1-9]			
* Islets, Pancreatic		Hyperplasia	Minimal
* Kidney		Mineralization	Minimal
		Nephropathy	Mild
	Renal Tubule	Vacuolization Cytoplasmic	Minimal
* Liver		Hepatocellular Carcinoma	
[Hepatocellular Carcinoma TGLS = 2-10]			
* Nose	Olfactory Epi	Metaplasia	Respiratory, Mild
* Prostate		Inflammation	Minimal
* Spleen		Hematopoietic Cell Proliferation	Mild
* Stomach, Forestomach	Epithelium	Hyperplasia	Mild
		Inflammation	Mild

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99023-04
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: beta-Myrcene
CAS Number: 123-35-3

Date Report Requested: 10/16/2014
Time Report Requested: 05:39:03
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 43

TRT#: 1
DOSE: 0 G/KG

SEX: Male
DISP: Moribund Sacrifice

DAY ON TEST: 666
HISTO: 0400913

ORGAN AND ACCOUNTABLE SITE STATUS

Mineralization
Ulcer

Minimal
Mild

[Hyperplasia TGLS = 3-10]

PRIMARY CAUSE OF DEATH

- Harderian Gland Carcinoma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99023-04
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: beta-Myrcene
CAS Number: 123-35-3

Date Report Requested: 10/16/2014
Time Report Requested: 05:39:03
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 44

TRT#: 1
DOSE: 0 G/KG

SEX: Male
DISP: Terminal Sacrifice

DAY ON TEST: 730
HISTO: 0400914

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Bone Marrow	* Brain
* Epididymis	* Esophagus	* Eye	* Gallbladder
* Harderian Gland	* Heart	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Lung	* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Nose
* Pancreas	* Parathyroid Gland	* Pituitary Gland	* Preputial Gland
* Prostate	* Salivary Glands	* Seminal Vesicle	* Skin
* Spleen	* Stomach, Forestomach	* Stomach, Glandular	* Testes
* Thyroid Gland	* Trachea	* Urinary Bladder	

MISSING

* Mammary Gland

OBSERVATIONS

* Adrenal Cortex	Subcapsular	Hyperplasia	Moderate
* Islets, Pancreatic		Hyperplasia	Minimal
* Kidney		Mineralization	Minimal
		Nephropathy	Mild
	Renal Tubule	Vacuolization Cytoplasmic	Minimal
* Liver		Clear Cell Focus	
		Fatty Change	Minimal
		Hemangiosarcoma	
		Hepatocellular Adenoma	Multiple
		Inflammation	Chronic Active, Minimal
		Mixed Cell Focus	

[Clear Cell Focus TGLS = 5-12]
 [Hemangiosarcoma TGLS = 1-10]
 [Hepatocellular Adenoma TGLS = 2,4-5+10]
 [Mixed Cell Focus TGLS = 3-11]

* Thymus	Atrophy	Moderate
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PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99023-04
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: beta-Myrcene
CAS Number: 123-35-3

Date Report Requested: 10/16/2014
Time Report Requested: 05:39:03
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 45

TRT#: 1

SEX: Male

DAY ON TEST: 730

DOSE: 0 G/KG

DISP: Terminal Sacrifice

HISTO: 0400915

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Bone Marrow	* Brain
* Epididymis	* Esophagus	* Eye	* Gallbladder
* Harderian Gland	* Heart	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Nose	* Pancreas
* Pituitary Gland	* Salivary Glands	* Seminal Vesicle	* Skin
* Stomach, Forestomach	* Stomach, Glandular	* Testes	* Thyroid Gland
* Trachea	* Urinary Bladder		

MISSING

* Mammary Gland	* Parathyroid Gland
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OBSERVATIONS

* Adrenal Cortex	Subcapsular	Hyperplasia Hypertrophy	Mild Minimal
* Islets, Pancreatic		Hyperplasia	Minimal
* Kidney	Renal Tubule	Hyperplasia Mineralization Nephropathy	Minimal Minimal Minimal
* Liver	Renal Tubule	Vacuolization Cytoplasmic Clear Cell Focus Eosinophilic Focus Fatty Change Hepatocellular Adenoma Inflammation Mixed Cell Focus	Minimal Multiple Chronic Active, Minimal
	[Eosinophilic Focus TGLS = 5-11] [Hepatocellular Adenoma TGLS = 2,3,4-4+5+10]		
* Lung		Alveolar/Bronchiolar Adenoma	
	[Alveolar/Bronchiolar Adenoma TGLS = 6-10]		
* Preputial Gland		Ectasia	Mild
	[Ectasia TGLS = 1-8]		

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99023-04
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: beta-Myrcene
CAS Number: 123-35-3

Date Report Requested: 10/16/2014
Time Report Requested: 05:39:03
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 45	TRT#: 1	SEX: Male	DAY ON TEST: 730
	DOSE: 0 G/KG	DISP: Terminal Sacrifice	HISTO: 0400915

ORGAN AND ACCOUNTABLE SITE STATUS

* Prostate	Inflammation	Minimal
* Spleen	Hematopoietic Cell Proliferation	Minimal
* Thymus	Atrophy	Minimal
Tooth	Dysplasia	

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99023-04
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: beta-Myrcene
CAS Number: 123-35-3

Date Report Requested: 10/16/2014
Time Report Requested: 05:39:03
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 46

TRT#: 1

SEX: Male

DAY ON TEST: 730

DOSE: 0 G/KG

DISP: Terminal Sacrifice

HISTO: 0400916

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Brain	* Epididymis	* Esophagus	* Eye
* Gallbladder	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Lymph Node, Mandibular
* Lymph Node, Mesenteric	* Nose	* Pancreas	* Parathyroid Gland
* Pituitary Gland	* Preputial Gland	* Salivary Glands	* Seminal Vesicle
* Skin	* Spleen	* Stomach, Forestomach	* Stomach, Glandular
* Testes	* Thyroid Gland	* Trachea	* Urinary Bladder

MISSING

* Mammary Gland

OBSERVATIONS

* Harderian Gland		Adenoma	
* Heart		Cardiomyopathy	Minimal
* Islets, Pancreatic		Hyperplasia	Minimal
* Kidney	Cortex	Metaplasia	Osseous, Minimal
		Mineralization	Minimal
		Nephropathy	Minimal
	Renal Tubule	Vacuolization Cytoplasmic	Minimal
* Liver		Eosinophilic Focus	
		Hepatocellular Adenoma	Multiple
		Hepatocellular Carcinoma	
		Inflammation	Chronic Active, Minimal
		Pigmentation	Ceroid, Mild
<p>Note: The hepatic carcinoma is necrotic. [Hepatocellular Adenoma TGLS = 1,2-10+11] [Hepatocellular Carcinoma TGLS = 3-12]</p>			
* Lung	Alveolar Epith	Hyperplasia	Moderate
* Prostate		Inflammation	Minimal
* Thymus		Atrophy	Minimal
Tooth		Dysplasia	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99023-04
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: beta-Myrcene
CAS Number: 123-35-3

Date Report Requested: 10/16/2014
Time Report Requested: 05:39:03
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 46

TRT#: 1

SEX: Male

DAY ON TEST: 730

DOSE: 0 G/KG

DISP: Terminal Sacrifice

HISTO: 0400916

ORGAN AND ACCOUNTABLE SITE STATUS

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99023-04
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: beta-Myrcene
CAS Number: 123-35-3

Date Report Requested: 10/16/2014
Time Report Requested: 05:39:03
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 47

TRT#: 1
DOSE: 0 G/KG

SEX: Male
DISP: Natural Death

DAY ON TEST: 629
HISTO: 0400917

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Brain	* Epididymis
* Esophagus	* Eye	* Gallbladder	* Harderian Gland
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Nose	* Pancreas
* Parathyroid Gland	* Pituitary Gland	* Preputial Gland	* Prostate
* Salivary Glands	* Seminal Vesicle	* Skin	* Stomach, Glandular
* Testes	* Thyroid Gland	* Trachea	* Urinary Bladder

MISSING

* Mammary Gland

OBSERVATIONS

* Adrenal Cortex	Subcapsular	Hyperplasia	Minimal
* Bone Marrow		Myelofibrosis	Minimal
* Heart		Cardiomyopathy	Mild
* Islets, Pancreatic		Hyperplasia	Minimal
* Kidney	Renal Tubule	Vacuolization Cytoplasmic	Minimal
* Liver		Hepatocellular Carcinoma	
		Pigmentation	Hemosiderin, Mild
	[Hepatocellular Carcinoma TGLS = 1-11]		
* Lung		Alveolar/Bronchiolar Carcinoma	Metastatic (Lung)
		Alveolar/Bronchiolar Carcinoma	
	Alveolus	Infiltration Cellular	Histiocyte, Moderate
	Note: The alveolar-bronchiolar carcinoma appears to have metastasized into mediastinum (on slide 03).		
	[Alveolar/Bronchiolar Carcinoma TGLS = 2-10]		
Lymph Node	Bronchial	Alveolar/Bronchiolar Carcinoma	Metastatic (Lung)
* Lymph Node, Mandibular		Atrophy	Marked
* Lymph Node, Mesenteric		Atrophy	Mild
* Spleen	Lymph Follic	Atrophy	Mild
		Pigmentation	Hemosiderin, Minimal
* Stomach, Forestomach	Epithelium	Hyperplasia	Mild
		Inflammation	Mild

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99023-04
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: beta-Myrcene
CAS Number: 123-35-3

Date Report Requested: 10/16/2014
Time Report Requested: 05:39:03
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 47	TRT#: 1	SEX: Male	DAY ON TEST: 629
	DOSE: 0 G/KG	DISP: Natural Death	HISTO: 0400917

ORGAN AND ACCOUNTABLE SITE STATUS

* Thymus	Atrophy	Marked
Tooth	Dysplasia	

PRIMARY CAUSE OF DEATH - Lung Alveolar/Bronchiolar Carcinoma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99023-04
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: beta-Myrcene
CAS Number: 123-35-3

Date Report Requested: 10/16/2014
Time Report Requested: 05:39:03
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 48

TRT#: 1

SEX: Male

DAY ON TEST: 730

DOSE: 0 G/KG

DISP: Terminal Sacrifice

HISTO: 0400918

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Bone Marrow	* Brain
* Epididymis	* Esophagus	* Eye	* Gallbladder
* Harderian Gland	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Lung	* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Nose
* Pancreas	* Parathyroid Gland	* Pituitary Gland	* Prostate
* Salivary Glands	* Seminal Vesicle	* Skin	* Spleen
* Stomach, Forestomach	* Stomach, Glandular	* Testes	* Thyroid Gland
* Trachea	* Urinary Bladder		

MISSING

* Mammary Gland

OBSERVATIONS

* Adrenal Cortex	Subcapsular	Hyperplasia	Minimal
* Heart		Inflammation	Mild
* Kidney		Infarct	Marked
		Nephropathy	Mild
[Infarct TGLS = 3,4-4]			
* Liver		Eosinophilic Focus	
		Hepatocellular Adenoma	
		Inflammation	Chronic Active, Mild
[Hepatocellular Adenoma TGLS = 2-4]			
* Preputial Gland		Ectasia	Moderate
[Ectasia TGLS = 1-8]			
* Thymus		Atrophy	Minimal
Tooth		Dysplasia	
	Peridont Tiss	Inflammation	Mild
	Pulp	Inflammation	Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99023-04
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: beta-Myrcene
CAS Number: 123-35-3

Date Report Requested: 10/16/2014
Time Report Requested: 05:39:03
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 49

TRT#: 1

SEX: Male

DAY ON TEST: 730

DOSE: 0 G/KG

DISP: Terminal Sacrifice

HISTO: 0400919

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Bone Marrow	* Brain
* Epididymis	* Esophagus	* Eye	* Gallbladder
* Harderian Gland	* Heart	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Pancreas
* Parathyroid Gland	* Pituitary Gland	* Preputial Gland	* Prostate
* Salivary Glands	* Seminal Vesicle	* Skin	* Stomach, Forestomach
* Stomach, Glandular	* Testes	* Thymus	* Thyroid Gland
* Trachea	* Urinary Bladder		

MISSING

* Mammary Gland

OBSERVATIONS

* Adrenal Cortex	Subcapsular	Hyperplasia	Minimal
* Kidney	Renal Tubule	Hyperplasia	Minimal
		Mineralization	Minimal
		Nephropathy	Minimal
	Renal Tubule	Vacuolization Cytoplasmic	Minimal
* Liver		Fatty Change	Mild
		Ito Cell Tumor Malignant	
		[Ito Cell Tumor Malignant TGLS = 1-3+4+5+10]	
* Lung		Alveolar/Bronchiolar Adenoma	
* Nose	Olfactory Epi	Degeneration	Minimal
* Spleen		Hematopoietic Cell Proliferation	Minimal
Tooth		Dysplasia	

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99023-04
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: beta-Myrcene
CAS Number: 123-35-3

Date Report Requested: 10/16/2014
Time Report Requested: 05:39:03
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 50

TRT#: 1

SEX: Male

DAY ON TEST: 607

DOSE: 0 G/KG

DISP: Moribund Sacrifice

HISTO: 0400920

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Bone Marrow	* Brain
* Epididymis	* Esophagus	* Eye	* Gallbladder
* Harderian Gland	* Heart	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Lung	* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Pancreas
* Parathyroid Gland	* Pituitary Gland	* Preputial Gland	* Salivary Glands
* Seminal Vesicle	* Skin	* Spleen	* Stomach, Forestomach
* Stomach, Glandular	* Testes	* Thyroid Gland	* Trachea
* Urinary Bladder			

MISSING

* Mammary Gland

OBSERVATIONS

* Adrenal Cortex	Subcapsular	Hyperplasia	Minimal
* Islets, Pancreatic		Hyperplasia	Mild
* Kidney		Mineralization	Minimal
		Nephropathy	Minimal
	Renal Tubule	Vacuolization Cytoplasmic	Mild
* Liver		Fatty Change	Minimal
		Inflammation	Chronic Active, Minimal
* Nose		Inflammation	Mild
	Olfactory Epi	Metaplasia	Respiratory, Mild
		Polyp, Inflammatory	Moderate
* Prostate		Inflammation	Minimal
* Spleen			
Note: No corresponding lesion observed for the gross observation of small spleen (TGL-1).			
* Thymus		Atrophy	Marked
Tooth		Dysplasia	

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99023-04
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: beta-Myrcene
CAS Number: 123-35-3

Date Report Requested: 10/16/2014
Time Report Requested: 05:39:03
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 51 **TRT#:** 3 **SEX:** Male **DAY ON TEST:** 533
DOSE: 0.25 G/KG **DISP:** Natural Death **HISTO:** 0400921

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Bone	* Bone Marrow	* Brain	* Epididymis
* Esophagus	* Eye	* Gallbladder	* Harderian Gland
* Heart	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Ileum	* Islets, Pancreatic	* Lymph Node, Mandibular	* Nose
* Pancreas	* Parathyroid Gland	* Pituitary Gland	* Preputial Gland
* Salivary Glands	* Seminal Vesicle	* Skin	* Stomach, Glandular
* Testes	* Thyroid Gland	* Trachea	* Urinary Bladder

MISSING

* Mammary Gland

AUTO PRECLUDES DIAG.

* Intestine Small, Duodenum * Intestine Small, Jejunum

OBSERVATIONS

* Adrenal Cortex	Subcapsular	Hyperplasia	Minimal
* Adrenal Medulla		Hyperplasia	Minimal
* Kidney		Mineralization	Minimal
		Nephropathy	Moderate
* Liver		Fatty Change	Minimal
		Hepatocellular Adenoma	
		Hepatocellular Carcinoma	Multiple
Note: TGL-1 is largely necrotic.			
[Hepatocellular Adenoma TGLS = 1-10]			
[Hepatocellular Carcinoma TGLS = 2-11, 3-12]			
* Lung		Alveolar/Bronchiolar Adenoma	
		Hepatocellular Carcinoma	Metastatic (Liver)
	Alveolar Epith	Hyperplasia	Minimal
	Alveolus	Infiltration Cellular	Histiocyte, Minimal
[Alveolar/Bronchiolar Adenoma TGLS = 4-12]			
* Lymph Node, Mesenteric		Atrophy	Mild
* Prostate		Inflammation	Minimal
* Spleen		Hematopoietic Cell Proliferation	Moderate

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99023-04
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: beta-Myrcene
CAS Number: 123-35-3

Date Report Requested: 10/16/2014
Time Report Requested: 05:39:03
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 51	TRT#: 3	SEX: Male	DAY ON TEST: 533
	DOSE: 0.25 G/KG	DISP: Natural Death	HISTO: 0400921

ORGAN AND ACCOUNTABLE SITE STATUS

* Stomach, Forestomach	Epithelium	Hyperplasia	Minimal
		Inflammation	Minimal
* Thymus		Atrophy	Marked

PRIMARY CAUSE OF DEATH - Liver Hepatocellular Adenoma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99023-04
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: beta-Myrcene
CAS Number: 123-35-3

Date Report Requested: 10/16/2014
Time Report Requested: 05:39:03
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 52

TRT#: 3

SEX: Male

DAY ON TEST: 684

DOSE: 0.25 G/KG

DISP: Natural Death

HISTO: 0400922

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Bone Marrow	* Brain
* Epididymis	* Esophagus	* Eye	* Gallbladder
* Heart	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Lymph Node, Mandibular
* Nose	* Pancreas	* Parathyroid Gland	* Pituitary Gland
* Preputial Gland	* Prostate	* Salivary Glands	* Seminal Vesicle
* Skin	* Stomach, Glandular	* Testes	* Thyroid Gland
* Trachea	* Urinary Bladder		

MISSING

* Mammary Gland

OBSERVATIONS

* Adrenal Cortex	Subcapsular	Hyperplasia	Mild
* Harderian Gland		Adenoma	
* Islets, Pancreatic		Hyperplasia	Minimal
* Kidney		Mineralization	Minimal
		Nephropathy	Minimal
	Renal Tubule	Vacuolization Cytoplasmic	Minimal
* Liver		Hepatocellular Adenoma	
	[Hepatocellular Adenoma TGLS = 2-10]		
* Lung		Alveolar/Bronchiolar Adenoma	
* Lymph Node, Mesenteric		Atrophy	Minimal
* Spleen	Lymph Follic	Atrophy	Mild
		Hematopoietic Cell Proliferation	Minimal
	Note: No corresponding finding for TGL-1 (small spleen).		
* Stomach, Forestomach	Epithelium	Hyperplasia	Mild
* Thymus		Atrophy	Minimal
Tooth		Dysplasia	

PRIMARY CAUSE OF DEATH

- Liver Hepatocellular Adenoma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99023-04
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 Test Compound: beta-Myrcene
 CAS Number: 123-35-3

Date Report Requested: 10/16/2014
 Time Report Requested: 05:39:03
 First Dose M/F: NA / NA
 Lab: BAT

ANIMAL ID: 53

TRT#: 3

SEX: Male

DAY ON TEST: 730

DOSE: 0.25 G/KG

DISP: Terminal Sacrifice

HISTO: 0400923

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Bone Marrow	* Brain
* Epididymis	* Eye	* Gallbladder	* Harderian Gland
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Lymph Node, Mandibular	* Nose
* Pancreas	* Parathyroid Gland	* Pituitary Gland	* Preputial Gland
* Prostate	* Salivary Glands	* Seminal Vesicle	* Skin
* Stomach, Forestomach	* Stomach, Glandular	* Testes	* Thyroid Gland
* Trachea	* Urinary Bladder		

MISSING

* Mammary Gland

OBSERVATIONS

* Adrenal Cortex	Subcapsular	Hyperplasia Hypertrophy	Mild Minimal
* Esophagus	Muscularis	Degeneration	Minimal
* Heart		Cardiomyopathy	Minimal
* Islets, Pancreatic		Hyperplasia	Minimal
* Kidney	Renal Tubule	Hyperplasia Mineralization Nephropathy	Mild Minimal Minimal
* Liver	Renal Tubule	Vacuolization Cytoplasmic Basophilic Focus Clear Cell Focus Hepatocellular Adenoma Hepatocellular Carcinoma Inflammation	Minimal Multiple Chronic Active, Minimal
		[Hepatocellular Adenoma TGLS = 1,2,3,4,5,6 - 10+11+12+13+14+15+16+17]	
		[Hepatocellular Carcinoma TGLS = 4-13]	
* Lung		Alveolar/Bronchiolar Adenoma Alveolar/Bronchiolar Carcinoma	Multiple Multiple
	Alveolar Epith	Hyperplasia	Minimal

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99023-04
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: beta-Myrcene
CAS Number: 123-35-3

Date Report Requested: 10/16/2014
Time Report Requested: 05:39:03
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 53	TRT#: 3	SEX: Male	DAY ON TEST: 730
	DOSE: 0.25 G/KG	DISP: Terminal Sacrifice	HISTO: 0400923

ORGAN AND ACCOUNTABLE SITE STATUS

Alveolus [Alveolar/Bronchiolar Adenoma TGLS = 7-18] [Alveolar/Bronchiolar Carcinoma TGLS = 8-19]	Infiltration Cellular	Histiocyte, Minimal
* Lymph Node, Mesenteric	Infiltration Cellular	Plasma Cell, Mild
* Spleen	Hematopoietic Cell Proliferation	Minimal
* Thymus	Atrophy	Minimal
Tooth	Dysplasia	

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99023-04
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: beta-Myrcene
CAS Number: 123-35-3

Date Report Requested: 10/16/2014
Time Report Requested: 05:39:03
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 54

TRT#: 3

SEX: Male

DAY ON TEST: 634

DOSE: 0.25 G/KG

DISP: Moribund Sacrifice

HISTO: 0400924

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Bone Marrow	* Brain
* Epididymis	* Esophagus	* Eye	* Gallbladder
* Harderian Gland	* Heart	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Lung	* Lymph Node, Mesenteric	* Nose	* Pancreas
* Parathyroid Gland	* Pituitary Gland	* Prostate	* Salivary Glands
* Seminal Vesicle	* Skin	* Stomach, Glandular	* Testes
* Trachea	* Urinary Bladder		

MISSING

* Mammary Gland

OBSERVATIONS

* Adrenal Cortex	Subcapsular	Hyperplasia	Minimal
* Islets, Pancreatic		Hyperplasia	Moderate
* Kidney		Mineralization	Minimal
		Nephropathy	Mild
	Renal Tubule	Vacuolization Cytoplasmic	Mild
* Liver		Eosinophilic Focus	
		Fatty Change	Mild
		Hepatocellular Adenoma	Multiple
		Hepatocellular Carcinoma	
		Necrosis	Moderate
		[Hepatocellular Adenoma TGLS = 2,3 - 11+12]	
		[Hepatocellular Carcinoma TGLS = 1-10]	
* Lymph Node, Mandibular		Atrophy	Minimal
* Preputial Gland		Ectasia	Moderate
		[Ectasia TGLS = 4-8]	
* Spleen		Hematopoietic Cell Proliferation	Minimal
		Pigmentation	Hemosiderin, Minimal
* Stomach, Forestomach	Epithelium	Hyperplasia	Minimal
* Thymus		Atrophy	Marked

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99023-04
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: beta-Myrcene
CAS Number: 123-35-3

Date Report Requested: 10/16/2014
Time Report Requested: 05:39:03
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 54

TRT#: 3

SEX: Male

DAY ON TEST: 634

DOSE: 0.25 G/KG

DISP: Moribund Sacrifice

HISTO: 0400924

ORGAN AND ACCOUNTABLE SITE STATUS

* Thyroid Gland
Tooth

Follicular Cel

Adenoma

Dysplasia

PRIMARY CAUSE OF DEATH

- Liver Necrosis

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99023-04
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: beta-Myrcene
CAS Number: 123-35-3

Date Report Requested: 10/16/2014
Time Report Requested: 05:39:03
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 55

TRT#: 3

SEX: Male

DAY ON TEST: 436

DOSE: 0.25 G/KG

DISP: Moribund Sacrifice

HISTO: 0400925

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Bone Marrow	* Brain
* Epididymis	* Esophagus	* Eye	* Gallbladder
* Harderian Gland	* Heart	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Lung	* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Nose
* Pancreas	* Parathyroid Gland	* Pituitary Gland	* Preputial Gland
* Prostate	* Salivary Glands	* Seminal Vesicle	* Skin
* Stomach, Glandular	* Testes	* Trachea	* Urinary Bladder

MISSING

* Mammary Gland

OBSERVATIONS

* Adrenal Cortex	Subcapsular	Hyperplasia	Minimal
* Islets, Pancreatic		Hyperplasia	Minimal
* Kidney		Nephropathy	Minimal
	Renal Tubule	Vacuolization Cytoplasmic	Minimal
* Liver	Oval Cell	Hyperplasia	Mild
		Necrosis	Minimal
		Tension Lipidosis	Marked
		Vacuolization Cytoplasmic	Mild
* Spleen		Hematopoietic Cell Proliferation	Minimal
* Stomach, Forestomach	Epithelium	Hyperplasia	Mild
		Inflammation	Mild
		Ulcer	Mild
		[Hyperplasia TGLS = 2-11]	
* Thymus		Atrophy	Mild
* Thyroid Gland	Follicle	Cyst	Minimal
	Follicle	Degeneration	Marked
Tooth	Peridont Tiss	Fibrosarcoma	
		[Fibrosarcoma TGLS = 1-10]	

PRIMARY CAUSE OF DEATH - Tooth Peridont Tiss Fibrosarcoma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99023-04
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: beta-Myrcene
CAS Number: 123-35-3

Date Report Requested: 10/16/2014
Time Report Requested: 05:39:03
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 55

TRT#: 3

SEX: Male

DAY ON TEST: 436

DOSE: 0.25 G/KG

DISP: Moribund Sacrifice

HISTO: 0400925

ORGAN AND ACCOUNTABLE SITE STATUS

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99023-04
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: beta-Myrcene
CAS Number: 123-35-3

Date Report Requested: 10/16/2014
Time Report Requested: 05:39:03
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 56

TRT#: 3

SEX: Male

DAY ON TEST: 730

DOSE: 0.25 G/KG

DISP: Terminal Sacrifice

HISTO: 0400926

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Bone Marrow	* Brain
* Epididymis	* Esophagus	* Eye	* Gallbladder
* Harderian Gland	* Heart	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Pancreas	* Parathyroid Gland	* Pituitary Gland	* Preputial Gland
* Prostate	* Salivary Glands	* Seminal Vesicle	* Skin
* Stomach, Glandular	* Testes	* Thyroid Gland	* Trachea
* Urinary Bladder			

MISSING

* Mammary Gland

OBSERVATIONS

* Adrenal Cortex	Subcapsular	Hyperplasia	Minimal
* Islets, Pancreatic		Hyperplasia	Minimal
* Kidney		Nephropathy	Moderate
* Liver		Eosinophilic Focus	
		Hepatocellular Adenoma	Multiple
		Hepatocellular Carcinoma	
	Hepatocyte	Hypertrophy	Minimal
		Inflammation	Chronic Active, Minimal
		Pigmentation	Hemosiderin, Minimal
	[Hepatocellular Adenoma TGLS = 3,4,5 - 11+12+13]		
	[Hepatocellular Carcinoma TGLS = 1-10]		
* Lung		Hepatocellular Carcinoma	Metastatic (Liver)
* Lymph Node, Mandibular		Hyperplasia	Lymphoid, Mild
* Lymph Node, Mesenteric		Atrophy	Minimal
Mesentery	Fat	Necrosis	Minimal
	[Necrosis TGLS = 2-11]		
* Nose	Glands	Dilatation	Mild
* Spleen		Hematopoietic Cell Proliferation	Moderate
* Stomach, Forestomach	Epithelium	Hyperplasia	Minimal

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99023-04
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: beta-Myrcene
CAS Number: 123-35-3

Date Report Requested: 10/16/2014
Time Report Requested: 05:39:03
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 56

TRT#: 3

SEX: Male

DAY ON TEST: 730

DOSE: 0.25 G/KG

DISP: Terminal Sacrifice

HISTO: 0400926

ORGAN AND ACCOUNTABLE SITE STATUS

* Thymus

Inflammation

Mild

Atrophy

Marked

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99023-04
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: beta-Myrcene
CAS Number: 123-35-3

Date Report Requested: 10/16/2014
Time Report Requested: 05:39:03
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 57

TRT#: 3

SEX: Male

DAY ON TEST: 582

DOSE: 0.25 G/KG

DISP: Natural Death

HISTO: 0400927

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Bone Marrow	* Brain
* Epididymis	* Esophagus	* Eye	* Harderian Gland
* Heart	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Jejunum	* Lung	* Nose	* Pancreas
* Parathyroid Gland	* Pituitary Gland	* Preputial Gland	* Salivary Glands
* Seminal Vesicle	* Skin	* Stomach, Forestomach	* Stomach, Glandular
* Testes	* Thyroid Gland	* Trachea	* Urinary Bladder

MISSING

* Gallbladder	* Mammary Gland	* Thymus
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AUTO PRECLUDES DIAG.

* Intestine Large, Cecum	* Intestine Small, Ileum
--------------------------	--------------------------

OBSERVATIONS

* Adrenal Cortex	Subcapsular	Hyperplasia	Minimal
Note: Right adrenal gland was missing (encompassed in hepatoblastoma TGL-3).			
Blood Vessel		Mineralization	Minimal
Note: Aorta is mineralized.			
* Gallbladder			
Note: Gallbladder not identified - overrun by hepatoblastoma (TGL-3).			
* Islets, Pancreatic		Hyperplasia	Minimal
* Kidney		Mineralization	Minimal
	Renal Tubule	Vacuolization Cytoplasmic	Minimal
* Liver		Basophilic Focus	
		Eosinophilic Focus	
		Fatty Change	Minimal
		Hepatoblastoma	
		Hepatocellular Adenoma	
		Hepatocellular Carcinoma	
		Necrosis	Mild
		Tension Lipidosis	Minimal
		Vacuolization Cytoplasmic	Minimal

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99023-04
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: beta-Myrcene
CAS Number: 123-35-3

Date Report Requested: 10/16/2014
Time Report Requested: 05:39:03
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 57	TRT#: 3	SEX: Male	DAY ON TEST: 582
	DOSE: 0.25 G/KG	DISP: Natural Death	HISTO: 0400927

ORGAN AND ACCOUNTABLE SITE STATUS

Note: Part of the hepatocellular adenoma in B10 is also in B03.

Note: Hepatocellular adenoma was moderately necrotic.

[Hepatoblastoma TGLS = 3-11]

[Hepatocellular Adenoma TGLS = 2-10]

[Hepatocellular Carcinoma TGLS = 2-10]

* Lymph Node, Mandibular

Atrophy

Minimal

* Lymph Node, Mesenteric

Atrophy

Minimal

* Prostate

Inflammation

Minimal

* Sem Ves

Note: TGL-1 had no corresponding lesion.

* Spleen

Lymph Follic

Atrophy

Minimal

Hematopoietic Cell Proliferation

Moderate

PRIMARY CAUSE OF DEATH - Liver Hepatoblastoma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99023-04
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: beta-Myrcene
CAS Number: 123-35-3

Date Report Requested: 10/16/2014
Time Report Requested: 05:39:03
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 58

TRT#: 3

SEX: Male

DAY ON TEST: 729

DOSE: 0.25 G/KG

DISP: Terminal Sacrifice

HISTO: 0400928

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Bone Marrow	* Brain
* Epididymis	* Esophagus	* Gallbladder	* Heart
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Lung	* Lymph Node, Mandibular
* Nose	* Pancreas	* Parathyroid Gland	* Pituitary Gland
* Preputial Gland	* Salivary Glands	* Seminal Vesicle	* Skin
* Stomach, Forestomach	* Stomach, Glandular	* Testes	* Thyroid Gland
* Trachea	* Urinary Bladder		

MISSING

* Mammary Gland

OBSERVATIONS

* Adrenal Cortex	Subcapsular	Hyperplasia	Mild
* Eye	Lens	Cataract	Mild
	Retina	Degeneration	Mild
Note: Eye lesions were secondary to the harderian gland adenoma.			
* Harderian Gland	Bilateral	Adenoma	
[Adenoma TGLS = 2-9]			
* Islets, Pancreatic		Hyperplasia	Minimal
* Kidney		Mineralization	Minimal
		Nephropathy	Minimal
	Renal Tubule	Vacuolization Cytoplasmic	Mild
* Liver		Eosinophilic Focus	
		Hepatocellular Adenoma	
		Tension Lipidosis	Minimal
[Eosinophilic Focus TGLS = 3-3]			
[Hepatocellular Adenoma TGLS = 4-5]			
* Lymph Node, Mesenteric		Lymphoma Malignant	
[Lymphoma Malignant TGLS = 1-10]			
* Prostate		Inflammation	Minimal
* Spleen		Hematopoietic Cell Proliferation	Mild

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99023-04
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: beta-Myrcene
CAS Number: 123-35-3

Date Report Requested: 10/16/2014
Time Report Requested: 05:39:03
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 58

TRT#: 3

SEX: Male

DAY ON TEST: 729

DOSE: 0.25 G/KG

DISP: Terminal Sacrifice

HISTO: 0400928

ORGAN AND ACCOUNTABLE SITE STATUS

* Thymus

Atrophy

Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99023-04
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: beta-Myrcene
CAS Number: 123-35-3

Date Report Requested: 10/16/2014
Time Report Requested: 05:39:03
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 59

TRT#: 3

SEX: Male

DAY ON TEST: 728

DOSE: 0.25 G/KG

DISP: Terminal Sacrifice

HISTO: 0400929

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Bone Marrow	* Brain
* Epididymis	* Esophagus	* Eye	* Gallbladder
* Heart	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Lung
* Lymph Node, Mandibular	* Nose	* Pancreas	* Parathyroid Gland
* Pituitary Gland	* Preputial Gland	* Prostate	* Salivary Glands
* Seminal Vesicle	* Skin	* Stomach, Glandular	* Testes
* Thyroid Gland	* Trachea	* Urinary Bladder	

MISSING

* Mammary Gland

OBSERVATIONS

* Adrenal Cortex	Subcapsular	Hyperplasia	Minimal
* Harderian Gland		Adenoma	
* Islets, Pancreatic		Hyperplasia	Minimal
* Kidney		Infarct	Mild
		Mineralization	Minimal
		Nephropathy	Minimal
	Renal Tubule	Vacuolization Cytoplasmic	Mild
* Liver		Clear Cell Focus	
		Eosinophilic Focus	
		Fatty Change	Minimal
		Hepatocellular Adenoma	Multiple
		Hepatocellular Carcinoma	
		Mixed Cell Focus	
		[Hepatocellular Adenoma TGLS = 1,3 - 10+12]	
		[Hepatocellular Carcinoma TGLS = 2-11]	
* Lymph Node, Mesenteric		Atrophy	Minimal
* Spleen		Hematopoietic Cell Proliferation	Minimal
* Stomach, Forestomach	Epithelium	Hyperplasia	Minimal
* Thymus		Atrophy	Mild

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99023-04
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: beta-Myrcene
CAS Number: 123-35-3

Date Report Requested: 10/16/2014
Time Report Requested: 05:39:03
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 59

TRT#: 3

SEX: Male

DAY ON TEST: 728

DOSE: 0.25 G/KG

DISP: Terminal Sacrifice

HISTO: 0400929

ORGAN AND ACCOUNTABLE SITE STATUS

Tooth

Dysplasia

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99023-04
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: beta-Myrcene
CAS Number: 123-35-3

Date Report Requested: 10/16/2014
Time Report Requested: 05:39:03
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 60

TRT#: 3

SEX: Male

DAY ON TEST: 730

DOSE: 0.25 G/KG

DISP: Terminal Sacrifice

HISTO: 0400930

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Bone Marrow	* Brain
* Epididymis	* Esophagus	* Eye	* Gallbladder
* Harderian Gland	* Heart	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Lung	* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Nose
* Pancreas	* Parathyroid Gland	* Pituitary Gland	* Prostate
* Salivary Glands	* Seminal Vesicle	* Skin	* Stomach, Forestomach
* Stomach, Glandular	* Testes	* Thyroid Gland	* Trachea
* Urinary Bladder			

MISSING

* Mammary Gland

OBSERVATIONS

* Adrenal Cortex	Subcapsular	Hyperplasia Hypertrophy	Minimal Minimal
* Islets, Pancreatic		Adenoma Hyperplasia	Mild
* Kidney	Renal Tubule	Hyperplasia Nephropathy	Minimal Minimal
* Liver	Renal Tubule	Vacuolization Cytoplasmic Clear Cell Focus Eosinophilic Focus Fatty Change Hepatocellular Adenoma Inflammation	Minimal Minimal Mild Multiple Chronic Active, Minimal
	[Hepatocellular Adenoma TGLS = 1,2 - 10+11]		
* Preputial Gland		Inflammation	Moderate
* Spleen		Hematopoietic Cell Proliferation	Minimal
* Thymus		Atrophy	Mild
Tooth		Dysplasia	

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99023-04
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: beta-Myrcene
CAS Number: 123-35-3

Date Report Requested: 10/16/2014
Time Report Requested: 05:39:03
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 60

TRT#: 3

SEX: Male

DAY ON TEST: 730

DOSE: 0.25 G/KG

DISP: Terminal Sacrifice

HISTO: 0400930

ORGAN AND ACCOUNTABLE SITE STATUS

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99023-04
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: beta-Myrcene
CAS Number: 123-35-3

Date Report Requested: 10/16/2014
Time Report Requested: 05:39:03
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 61

TRT#: 3

SEX: Male

DAY ON TEST: 673

DOSE: 0.25 G/KG

DISP: Moribund Sacrifice

HISTO: 0400931

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Bone Marrow	* Brain
* Epididymis	* Esophagus	* Eye	* Gallbladder
* Heart	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Lymph Node, Mesenteric
* Pancreas	* Parathyroid Gland	* Pituitary Gland	* Preputial Gland
* Prostate	* Salivary Glands	* Seminal Vesicle	* Skin
* Stomach, Glandular	* Testes	* Thyroid Gland	* Trachea
* Urinary Bladder			

MISSING

* Mammary Gland

OBSERVATIONS

* Adrenal Cortex	Subcapsular	Hyperplasia	Mild
* Eye			
Note: Optic nerves were not present in block or wet tissues.			
* Harderian Gland		Hyperplasia	Marked
* Islets, Pancreatic		Hyperplasia	Minimal
* Kidney	Cortex	Inflammation	Moderate
	Papilla	Inflammation	Mild
		Mineralization	Minimal
		Nephropathy	Mild
* Liver	Renal Tubule	Vacuolization Cytoplasmic	Mild
		Basophilic Focus	
		Eosinophilic Focus	
		Hepatocellular Adenoma	Multiple
Note: Another hepatocellular adenoma is in B04. [Hepatocellular Adenoma TGLS = 3-11,1-10]			
* Lung	Alveolus	Alveolar/Bronchiolar Adenoma	
		Infiltration Cellular	Histiocyte, Mild
[Alveolar/Bronchiolar Adenoma TGLS = 2-11]			
* Lymph Node, Mandibular		Infiltration Cellular	Plasma Cell, Mild

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99023-04
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: beta-Myrcene
CAS Number: 123-35-3

Date Report Requested: 10/16/2014
Time Report Requested: 05:39:03
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 61	TRT#: 3	SEX: Male	DAY ON TEST: 673
	DOSE: 0.25 G/KG	DISP: Moribund Sacrifice	HISTO: 0400931

ORGAN AND ACCOUNTABLE SITE STATUS

* Nose	Olfactory Epi	Degeneration	Mild
* Spleen		Hematopoietic Cell Proliferation	Minimal
* Stomach, Forestomach	Epithelium	Hyperplasia	Minimal
* Thymus		Atrophy	Marked
Tooth		Dysplasia	

PRIMARY CAUSE OF DEATH - Tooth Dysplasia

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99023-04
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: beta-Myrcene
CAS Number: 123-35-3

Date Report Requested: 10/16/2014
Time Report Requested: 05:39:03
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 62

TRT#: 3

SEX: Male

DAY ON TEST: 728

DOSE: 0.25 G/KG

DISP: Terminal Sacrifice

HISTO: 0400932

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Bone Marrow	* Brain
* Epididymis	* Esophagus	* Eye	* Gallbladder
* Harderian Gland	* Heart	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Nose	* Pancreas
* Parathyroid Gland	* Pituitary Gland	* Preputial Gland	* Prostate
* Salivary Glands	* Seminal Vesicle	* Skin	* Spleen
* Stomach, Forestomach	* Stomach, Glandular	* Testes	* Trachea
* Urinary Bladder			

MISSING

* Mammary Gland

OBSERVATIONS

* Adrenal Cortex	Subcapsular	Hyperplasia	Minimal
* Islets, Pancreatic		Hyperplasia	Minimal
* Kidney	Renal Tubule	Hyperplasia	Minimal
		Nephropathy	Mild
	Renal Tubule	Vacuolization Cytoplasmic	Minimal
* Liver		Hepatocellular Adenoma	Multiple
		Hepatocellular Carcinoma	
Note: Adenocarcinoma in B10 is also in B03. [Hepatocellular Carcinoma TGLS = 1-10]			
* Lung		Alveolar/Bronchiolar Adenoma	Multiple
	Alveolar Epith	Hyperplasia	Moderate
	Alveolus	Infiltration Cellular	Histiocyte, Mild
[Alveolar/Bronchiolar Adenoma TGLS = 2,3 - 11+12]			
* Thymus		Atrophy	Mild
* Thyroid Gland	Follicular Cel	Hyperplasia	Moderate
Tooth		Dysplasia	

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99023-04
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: beta-Myrcene
CAS Number: 123-35-3

Date Report Requested: 10/16/2014
Time Report Requested: 05:39:03
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 63

TRT#: 3

SEX: Male

DAY ON TEST: 628

DOSE: 0.25 G/KG

DISP: Natural Death

HISTO: 0400933

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Bone Marrow	* Brain
* Epididymis	* Esophagus	* Eye	* Gallbladder
* Harderian Gland	* Heart	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Lung	* Lymph Node, Mandibular	* Nose	* Pancreas
* Pituitary Gland	* Preputial Gland	* Salivary Glands	* Seminal Vesicle
* Skin	* Stomach, Glandular	* Testes	* Thyroid Gland
* Trachea	* Urinary Bladder		

MISSING

* Mammary Gland	* Parathyroid Gland
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OBSERVATIONS

* Adrenal Cortex	Subcapsular	Hyperplasia	Minimal
* Islets, Pancreatic		Hyperplasia	Minimal
* Kidney		Nephropathy	Minimal
	Renal Tubule	Vacuolization Cytoplasmic	Minimal
* Liver		Eosinophilic Focus	
		Hepatocellular Adenoma	Multiple
		Hepatocellular Carcinoma	Multiple
		Necrosis	Minimal
		[Hepatocellular Adenoma TGLS = 3,5 - 12]	
		[Hepatocellular Carcinoma TGLS = 1,2 - 10+11]	
* Lymph Node, Mesenteric		Atrophy	Moderate
* Prostate		Inflammation	Minimal
* Spleen	Lymph Follic	Atrophy	Mild
		Hematopoietic Cell Proliferation	Moderate
* Stomach, Forestomach	Epithelium	Hyperplasia	Moderate
		Inflammation	Mild
		Necrosis	Mild
		[Hyperplasia TGLS = 4-5]	
* Thymus		Atrophy	Moderate

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99023-04
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: beta-Myrcene
CAS Number: 123-35-3

Date Report Requested: 10/16/2014
Time Report Requested: 05:39:03
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 63

TRT#: 3

SEX: Male

DAY ON TEST: 628

DOSE: 0.25 G/KG

DISP: Natural Death

HISTO: 0400933

ORGAN AND ACCOUNTABLE SITE STATUS

PRIMARY CAUSE OF DEATH

- Liver Hepatocellular Carcinoma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99023-04
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: beta-Myrcene
CAS Number: 123-35-3

Date Report Requested: 10/16/2014
Time Report Requested: 05:39:03
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 64

TRT#: 3

SEX: Male

DAY ON TEST: 729

DOSE: 0.25 G/KG

DISP: Terminal Sacrifice

HISTO: 0400934

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Bone Marrow	* Brain
* Epididymis	* Esophagus	* Eye	* Gallbladder
* Harderian Gland	* Heart	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Pancreas	* Parathyroid Gland
* Pituitary Gland	* Preputial Gland	* Prostate	* Salivary Glands
* Seminal Vesicle	* Skin	* Spleen	* Stomach, Forestomach
* Stomach, Glandular	* Testes	* Thyroid Gland	* Trachea
* Urinary Bladder			

MISSING

* Mammary Gland

OBSERVATIONS

* Adrenal Cortex	Subcapsular	Hyperplasia	Mild
* Islets, Pancreatic		Hyperplasia	Minimal
* Kidney	Cortex	Cyst	Minimal
		Mineralization	Minimal
		Nephropathy	Minimal
	Renal Tubule	Vacuolization Cytoplasmic	Mild
* Liver		Basophilic Focus	
		Hepatocellular Adenoma	Multiple
	[Hepatocellular Adenoma TGLS = 1-10]		
* Lung		Alveolar/Bronchiolar Adenoma	
	[Alveolar/Bronchiolar Adenoma TGLS = 3-11]		
* Nose	Olfactory Epi Glands	Degeneration	Minimal
		Dilatation	Mild
* Thymus		Atrophy	Minimal
Tooth		Dysplasia	

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99023-04
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: beta-Myrcene
CAS Number: 123-35-3

Date Report Requested: 10/16/2014
Time Report Requested: 05:39:03
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 65

TRT#: 3

SEX: Male

DAY ON TEST: 728

DOSE: 0.25 G/KG

DISP: Terminal Sacrifice

HISTO: 0400935

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Bone Marrow	* Brain
* Epididymis	* Esophagus	* Eye	* Gallbladder
* Heart	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Lung
* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Pancreas	* Parathyroid Gland
* Pituitary Gland	* Prostate	* Salivary Glands	* Seminal Vesicle
* Skin	* Spleen	* Stomach, Forestomach	* Stomach, Glandular
* Testes	* Thyroid Gland	* Trachea	* Urinary Bladder

MISSING

* Mammary Gland

OBSERVATIONS

* Adrenal Cortex	Subcapsular	Adenoma	
	Subcapsular	Hyperplasia	Marked
* Harderian Gland	Bilateral	Adenoma	
[Adenoma TGLS = 8-9]			
* Islets, Pancreatic		Hyperplasia	Minimal
* Kidney		Infarct	Moderate
		Mineralization	Minimal
	Papilla	Necrosis	Minimal
		Nephropathy	Mild
* Liver	Renal Tubule	Vacuolization Cytoplasmic	Minimal
		Clear Cell Focus	
		Eosinophilic Focus	
		Hepatocellular Adenoma	Multiple
		Inflammation	Chronic Active, Minimal
<p>Note: TGL-2 was not found in block (even after re-embedding) or wet tissues. It may have been incorporated as TGL-1, which was in the adjacent lobe.</p>			
Mesentery	Fat	Necrosis	Moderate
[Necrosis TGLS = 7-12]			

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99023-04
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: beta-Myrcene
CAS Number: 123-35-3

Date Report Requested: 10/16/2014
Time Report Requested: 05:39:03
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 65	TRT#: 3	SEX: Male	DAY ON TEST: 728
	DOSE: 0.25 G/KG	DISP: Terminal Sacrifice	HISTO: 0400935

ORGAN AND ACCOUNTABLE SITE STATUS

* Nose	Olfactory Epi	Degeneration	Minimal
* Preputial Gland [Ectasia TGLS = 6-8]		Ectasia	Mild
* Thymus		Atrophy	Marked
Tooth		Dysplasia	

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99023-04
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: beta-Myrcene
CAS Number: 123-35-3

Date Report Requested: 10/16/2014
Time Report Requested: 05:39:03
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 66

TRT#: 3

SEX: Male

DAY ON TEST: 730

DOSE: 0.25 G/KG

DISP: Terminal Sacrifice

HISTO: 0400936

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Bone Marrow	* Brain
* Epididymis	* Esophagus	* Eye	* Gallbladder
* Harderian Gland	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Lymph Node, Mandibular
* Lymph Node, Mesenteric	* Pancreas	* Parathyroid Gland	* Pituitary Gland
* Preputial Gland	* Prostate	* Salivary Glands	* Seminal Vesicle
* Skin	* Stomach, Forestomach	* Stomach, Glandular	* Testes
* Thymus	* Thyroid Gland	* Trachea	* Urinary Bladder

MISSING

* Mammary Gland

OBSERVATIONS

* Adrenal Cortex	Subcapsular	Adenoma	
	Subcapsular	Hyperplasia	Moderate
* Heart		Cardiomyopathy	Minimal
* Islets, Pancreatic		Hyperplasia	Marked
* Kidney	Renal Tubule	Hyperplasia	Minimal
		Mineralization	Minimal
		Nephropathy	Mild
* Liver	Renal Tubule	Vacuolization Cytoplasmic	Minimal
		Clear Cell Focus	
		Eosinophilic Focus	
		Hepatocellular Adenoma	Multiple
		Inflammation	Chronic Active, Minimal
		Pigmentation	Hemosiderin, Minimal
Note: TGL-1 liver mass is completely necrotic.			
[Hepatocellular Adenoma TGLS = 1,3,4,5 - 10+12+13+14]			
* Lung		Alveolar/Bronchiolar Carcinoma	Metastatic (Lung)
		Alveolar/Bronchiolar Carcinoma	
[Alveolar/Bronchiolar Carcinoma TGLS = 2-11]			
* Nose	Olfactory Epi	Degeneration	Minimal

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99023-04
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: beta-Myrcene
CAS Number: 123-35-3

Date Report Requested: 10/16/2014
Time Report Requested: 05:39:03
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 66

TRT#: 3

SEX: Male

DAY ON TEST: 730

DOSE: 0.25 G/KG

DISP: Terminal Sacrifice

HISTO: 0400936

ORGAN AND ACCOUNTABLE SITE STATUS

* Spleen
Tooth

Hematopoietic Cell Proliferation
Dysplasia

Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99023-04
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: beta-Myrcene
CAS Number: 123-35-3

Date Report Requested: 10/16/2014
Time Report Requested: 05:39:03
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 67

TRT#: 3

SEX: Male

DAY ON TEST: 728

DOSE: 0.25 G/KG

DISP: Terminal Sacrifice

HISTO: 0400937

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Bone Marrow	* Brain
* Epididymis	* Esophagus	* Eye	* Gallbladder
* Harderian Gland	* Heart	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Kidney	* Lymph Node, Mandibular	* Nose
* Pancreas	* Parathyroid Gland	* Pituitary Gland	* Preputial Gland
* Prostate	* Salivary Glands	* Seminal Vesicle	* Skin
* Stomach, Glandular	* Testes	* Thyroid Gland	* Trachea
* Urinary Bladder			

MISSING

* Mammary Gland

OBSERVATIONS

* Adrenal Cortex	Subcapsular	Hyperplasia	Mild
* Liver		Clear Cell Focus	
		Eosinophilic Focus	
		Hepatocellular Adenoma	
	[Hepatocellular Adenoma TGLS = 1-10]		
* Lung		Alveolar/Bronchiolar Carcinoma	Metastatic (Lung)
		Alveolar/Bronchiolar Carcinoma	
	Alveolus	Infiltration Cellular	Histiocyte, Marked
	[Alveolar/Bronchiolar Carcinoma TGLS = 2-11]		
	[Alveolar/Bronchiolar Carcinoma TGLS = 3,4 - 12+13]		
* Lymph Node, Mesenteric		Atrophy	Mild
* Spleen		Hematopoietic Cell Proliferation	Mild
* Stomach, Forestomach	Epithelium	Hyperplasia	Mild
		Inflammation	Mild
		Ulcer	Mild
	[Hyperplasia TGLS = 5 - 5+11]		
* Thymus		Atrophy	Moderate
Tooth		Dysplasia	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99023-04
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: beta-Myrcene
CAS Number: 123-35-3

Date Report Requested: 10/16/2014
Time Report Requested: 05:39:03
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 67

TRT#: 3

SEX: Male

DAY ON TEST: 728

DOSE: 0.25 G/KG

DISP: Terminal Sacrifice

HISTO: 0400937

ORGAN AND ACCOUNTABLE SITE STATUS

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99023-04
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: beta-Myrcene
CAS Number: 123-35-3

Date Report Requested: 10/16/2014
Time Report Requested: 05:39:03
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 68

TRT#: 3

SEX: Male

DAY ON TEST: 729

DOSE: 0.25 G/KG

DISP: Terminal Sacrifice

HISTO: 0400938

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Bone Marrow	* Brain
* Epididymis	* Esophagus	* Gallbladder	* Heart
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Lung
* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Nose	* Pancreas
* Parathyroid Gland	* Pituitary Gland	* Prostate	* Salivary Glands
* Seminal Vesicle	* Skin	* Stomach, Forestomach	* Stomach, Glandular
* Testes	* Thyroid Gland	* Trachea	* Urinary Bladder

MISSING

* Mammary Gland

OBSERVATIONS

* Adrenal Cortex	Subcapsular	Hyperplasia	Mild
* Eye	Lens	Cataract	Marked
	Retina	Degeneration	Minimal
Note: Cataract and retinal degeneration are secondary to the harderian adenoma.			
* Harderian Gland		Carcinoma	
		Hyperplasia	Mild
[Carcinoma TGLS = 1-9]			
* Kidney	Cortex	Cyst	Mild
		Nephropathy	Minimal
	Renal Tubule	Vacuolization Cytoplasmic	Minimal
* Liver		Clear Cell Focus	
		Eosinophilic Focus	
		Fatty Change	Mild
		Hepatocellular Adenoma	Multiple
		Inflammation	Chronic Active, Minimal

Note: Several TGLs have more than one correlate (e.g. TGL-6 foci represent both clear cell foci and small hepatocellular adenomas).

[Clear Cell Focus TGLS = 5,6,7 - 10+12+13]

[Eosinophilic Focus TGLS = 5,7 - 10+12]

[Hepatocellular Adenoma TGLS = 2,3,4,5,6,8 - 10+11+12+13+14]

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99023-04
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: beta-Myrcene
CAS Number: 123-35-3

Date Report Requested: 10/16/2014
Time Report Requested: 05:39:03
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 68	TRT#: 3	SEX: Male	DAY ON TEST: 729
	DOSE: 0.25 G/KG	DISP: Terminal Sacrifice	HISTO: 0400938

ORGAN AND ACCOUNTABLE SITE STATUS

* Preputial Gland	Inflammation	Moderate
* Spleen	Hematopoietic Cell Proliferation	Mild
* Thymus	Atrophy	Mild
Tooth	Dysplasia	

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99023-04
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: beta-Myrcene
CAS Number: 123-35-3

Date Report Requested: 10/16/2014
Time Report Requested: 05:39:03
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 69

TRT#: 3

SEX: Male

DAY ON TEST: 729

DOSE: 0.25 G/KG

DISP: Terminal Sacrifice

HISTO: 0400939

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Bone Marrow	* Brain
* Epididymis	* Eye	* Gallbladder	* Harderian Gland
* Heart	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Lymph Node, Mandibular	* Lymph Node, Mesenteric
* Nose	* Pancreas	* Parathyroid Gland	* Pituitary Gland
* Preputial Gland	* Prostate	* Salivary Glands	* Seminal Vesicle
* Skin	* Stomach, Forestomach	* Stomach, Glandular	* Testes
* Trachea	* Urinary Bladder		

MISSING

* Mammary Gland

OBSERVATIONS

* Adrenal Cortex	Subcapsular	Hyperplasia	Mild
* Esophagus	Muscularis	Degeneration	Minimal
		Inflammation	Mild
* Intestine Small, Duodenum		Adenoma	
[Adenoma TGLS = 1-10]			
* Islets, Pancreatic		Hyperplasia	Minimal
* Kidney		Mineralization	Minimal
		Nephropathy	Minimal
	Renal Tubule	Vacuolization Cytoplasmic	Minimal
* Liver		Clear Cell Focus	
		Fatty Change	Mild
		Hepatocellular Adenoma	Multiple
		Mixed Cell Focus	
		Tension Lipidosis	Minimal
[Hepatocellular Adenoma TGLS = 2,4,5,6,7 - 11+13+14+15]			
[Mixed Cell Focus TGLS = 3-12]			
* Lung		Alveolar/Bronchiolar Carcinoma	
	Alveolus	Infiltration Cellular	Histiocyte, Minimal
[Alveolar/Bronchiolar Carcinoma TGLS = 8-16]			

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99023-04
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: beta-Myrcene
CAS Number: 123-35-3

Date Report Requested: 10/16/2014
Time Report Requested: 05:39:03
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 69	TRT#: 3	SEX: Male	DAY ON TEST: 729
	DOSE: 0.25 G/KG	DISP: Terminal Sacrifice	HISTO: 0400939

ORGAN AND ACCOUNTABLE SITE STATUS

* Spleen	Lymph Follic	Atrophy Hematopoietic Cell Proliferation	Mild Moderate
* Thymus		Atrophy	Moderate
* Thyroid Gland	Follicular Cel	Hypertrophy	Minimal
Tooth		Dysplasia	

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99023-04
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: beta-Myrcene
CAS Number: 123-35-3

Date Report Requested: 10/16/2014
Time Report Requested: 05:39:03
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 70

TRT#: 3

SEX: Male

DAY ON TEST: 730

DOSE: 0.25 G/KG

DISP: Terminal Sacrifice

HISTO: 0400940

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Bone Marrow	* Brain
* Epididymis	* Eye	* Gallbladder	* Harderian Gland
* Heart	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Lymph Node, Mandibular
* Lymph Node, Mesenteric	* Pancreas	* Parathyroid Gland	* Pituitary Gland
* Preputial Gland	* Salivary Glands	* Seminal Vesicle	* Skin
* Stomach, Forestomach	* Stomach, Glandular	* Testes	* Thyroid Gland
* Trachea	* Urinary Bladder		

MISSING

* Mammary Gland

OBSERVATIONS

* Adrenal Cortex	Subcapsular	Adenoma	
	Subcapsular	Hyperplasia	Mild
* Esophagus		Inflammation	Minimal
* Islets, Pancreatic		Hyperplasia	Mild
* Kidney	Renal Tubule	Hyperplasia	Minimal
		Mineralization	Minimal
		Nephropathy	Mild
	Renal Tubule	Vacuolization Cytoplasmic	Minimal
* Liver		Basophilic Focus	
		Clear Cell Focus	
		Hepatocellular Adenoma	Multiple
		Inflammation	Chronic Active, Minimal

Note: TGL-4 correlates with hepatocellular adenomas and a large basophilic focus; TGL-7 correlates with a hepatocellular adenoma and an early carcinoma.

Note: Liver - TGLs=6-No Corresponding Leison

[Basophilic Focus TGLS = 4-15]

[Hepatocellular Adenoma TGLS = 1,2,3,4,5,7 - 10+11+12+13+14+16+18]

* Lung		Alveolar/Bronchiolar Carcinoma	
	Bronchiole	Hyperplasia	Mild
	Alveolus	Infiltration Cellular	Histiocyte, Mild

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99023-04
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: beta-Myrcene
CAS Number: 123-35-3

Date Report Requested: 10/16/2014
Time Report Requested: 05:39:03
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 70	TRT#: 3	SEX: Male	DAY ON TEST: 730
	DOSE: 0.25 G/KG	DISP: Terminal Sacrifice	HISTO: 0400940

ORGAN AND ACCOUNTABLE SITE STATUS

[Alveolar/Bronchiolar Carcinoma TGLS = 8-18]		Inflammation	Chronic Active, Minimal
* Nose	Olfactory Epi Glands	Degeneration Dilatation	Minimal Minimal
* Prostate		Hyperplasia Inflammation	Mild Minimal
* Spleen		Hematopoietic Cell Proliferation	Mild
* Thymus		Atrophy	Moderate
Tooth		Dysplasia	

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99023-04
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: beta-Myrcene
CAS Number: 123-35-3

Date Report Requested: 10/16/2014
Time Report Requested: 05:39:03
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 71

TRT#: 3

SEX: Male

DAY ON TEST: 651

DOSE: 0.25 G/KG

DISP: Natural Death

HISTO: 0400941

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	Blood Vessel	* Bone
* Brain	* Epididymis	* Esophagus	* Eye
* Gallbladder	* Harderian Gland	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Islets, Pancreatic	* Nose	* Pancreas
* Parathyroid Gland	* Pituitary Gland	* Salivary Glands	* Seminal Vesicle
* Skin	* Stomach, Forestomach	* Stomach, Glandular	* Testes
* Thyroid Gland	* Trachea	* Urinary Bladder	

MISSING

* Mammary Gland

AUTO PRECLUDES DIAG.

* Intestine Large, Cecum	* Intestine Small, Ileum	* Intestine Small, Jejunum
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OBSERVATIONS

* Adren Cortex			
Note: One adrenal gland was missing at trim. It may have been incorporated into TGL-1 (hepatoblastoma with necrosis and inflammation).			
* Bone Marrow	Myeloid Cell	Hyperplasia	Mild
* Heart		Inflammation	Mild
	Vein, Venule	Thrombosis	Minimal
* Kidney	Cortex	Inflammation	Moderate
	Papilla	Inflammation	Moderate
	Renal Tubule	Pigmentation	Hemosiderin, Marked
* Liver		Hepatocellular Adenoma	
		Inflammation	Chronic Active, Mild
		Necrosis	Mild
Note: TGL-1 (hepatoblastoma) is almost completely necrotic and has severe inflammation along most borders (where attached to other organs).			
* Lung		Alveolar/Bronchiolar Adenoma	Multiple
	[Alveolar/Bronchiolar Adenoma TGLS = 3-11]		
* Lymph Node, Mandibular		Atrophy	Minimal
* Lymph Node, Mesenteric		Atrophy	Mild
Mesentery		Necrosis	Marked
	[Necrosis TGLS = 1-10]		

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99023-04
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: beta-Myrcene
CAS Number: 123-35-3

Date Report Requested: 10/16/2014
Time Report Requested: 05:39:03
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 71	TRT#: 3	SEX: Male	DAY ON TEST: 651
	DOSE: 0.25 G/KG	DISP: Natural Death	HISTO: 0400941

ORGAN AND ACCOUNTABLE SITE STATUS

* Preputial Gland [Ectasia TGLS = 4-8]	Ectasia	Moderate
* Prostate	Inflammation	Moderate
Skeletal Muscle Note: Skeletal muscle inflammation involves the body wall adjacent to the hepatoblastoma.	Inflammation	Mild
* Spleen [Hematopoietic Cell Proliferation TGLS = 2-4]	Hematopoietic Cell Proliferation	Marked
* Thymus Note: Thymus found on slide 03.	Atrophy	Marked
Tooth	Dysplasia	

PRIMARY CAUSE OF DEATH -

Animal Note: Bacteria are present in many sites of inflammation, including the kidney and hea rt.

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99023-04
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: beta-Myrcene
CAS Number: 123-35-3

Date Report Requested: 10/16/2014
Time Report Requested: 05:39:03
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 72

TRT#: 3

SEX: Male

DAY ON TEST: 600

DOSE: 0.25 G/KG

DISP: Natural Death

HISTO: 0400942

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Bone Marrow	* Brain
* Epididymis	* Esophagus	* Eye	* Gallbladder
* Harderian Gland	* Heart	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Lymph Node, Mandibular
* Lymph Node, Mesenteric	* Nose	* Pancreas	* Parathyroid Gland
* Pituitary Gland	* Preputial Gland	* Prostate	* Salivary Glands
* Seminal Vesicle	* Skin	* Stomach, Forestomach	* Stomach, Glandular
* Testes	* Thyroid Gland	* Trachea	* Urinary Bladder

MISSING

* Mammary Gland

AUTO PRECLUDES DIAG.

* Intestine Small, Duodenum

OBSERVATIONS

* Adrenal Cortex	Subcapsular	Hyperplasia	Minimal
* Islets, Pancreatic		Hyperplasia	Minimal
* Kidney		Mineralization	Minimal
		Nephropathy	Minimal
	Renal Tubule	Vacuolization Cytoplasmic	Minimal
* Liver		Fatty Change	Minimal
		Hepatoblastoma	
		Hepatocellular Carcinoma	
		Necrosis	Moderate
<p>Note: Liver mass (TGL-1) was markedly congested and largely necrotic. [Hepatoblastoma TGLS = 2-5] [Hepatocellular Carcinoma TGLS = 1-10]</p>			
* Lung		Alveolar/Bronchiolar Adenoma	
* Spleen		Hematopoietic Cell Proliferation	Mild
* Thymus		Atrophy	Moderate
Tooth		Dysplasia	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99023-04
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: beta-Myrcene
CAS Number: 123-35-3

Date Report Requested: 10/16/2014
Time Report Requested: 05:39:03
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 72

TRT#: 3

SEX: Male

DAY ON TEST: 600

DOSE: 0.25 G/KG

DISP: Natural Death

HISTO: 0400942

ORGAN AND ACCOUNTABLE SITE STATUS

PRIMARY CAUSE OF DEATH

- Liver Hepatocellular Carcinoma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99023-04
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: beta-Myrcene
CAS Number: 123-35-3

Date Report Requested: 10/16/2014
Time Report Requested: 05:39:03
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 73

TRT#: 3

SEX: Male

DAY ON TEST: 730

DOSE: 0.25 G/KG

DISP: Terminal Sacrifice

HISTO: 0400943

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Brain	* Epididymis	* Esophagus	* Eye
* Gallbladder	* Harderian Gland	* Heart	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Nose
* Pancreas	* Parathyroid Gland	* Pituitary Gland	* Preputial Gland
* Prostate	* Salivary Glands	* Seminal Vesicle	* Skin
* Spleen	* Stomach, Glandular	* Testes	* Thyroid Gland
* Trachea	* Urinary Bladder		

MISSING

* Mammary Gland

OBSERVATIONS

* Islets, Pancreatic		Hyperplasia	Minimal
* Kidney		Nephropathy	Minimal
	Renal Tubule	Vacuolization Cytoplasmic	Minimal
* Liver		Hepatoblastoma	
		Hepatocellular Adenoma	Multiple
		Hepatocellular Carcinoma	
		Inflammation	Chronic Active, Minimal
<p>Note: The hepatoblastoma is within a hepatocellular carcinoma.</p> <p>Note: There are both adenoma and carcinoma in B11 (TGL-2).</p> <p>[Hepatoblastoma TGLS = 1-10]</p> <p>[Hepatocellular Adenoma TGLS = 2,3 - 11+12]</p> <p>[Hepatocellular Carcinoma TGLS = 2-11]</p>			
* Lung	Arteriole	Degeneration	Minimal
<p>Note: The arteriolar degeneration consists of myxoid expansion of the media.</p>			
* Stomach, Forestomach	Epithelium	Hyperplasia	Minimal
* Thymus		Atrophy	Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99023-04
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: beta-Myrcene
CAS Number: 123-35-3

Date Report Requested: 10/16/2014
Time Report Requested: 05:39:03
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 74 **TRT#:** 3 **SEX:** Male **DAY ON TEST:** 730
DOSE: 0.25 G/KG **DISP:** Terminal Sacrifice **HISTO:** 0400944

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone Marrow	* Brain	* Epididymis
* Esophagus	* Eye	* Gallbladder	* Harderian Gland
* Heart	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Lymph Node, Mandibular	* Nose	* Parathyroid Gland	* Pituitary Gland
* Preputial Gland	* Salivary Glands	* Seminal Vesicle	* Skin
* Stomach, Forestomach	* Stomach, Glandular	* Testes	* Trachea
* Urinary Bladder			

MISSING

* Mammary Gland

OBSERVATIONS

* Adrenal Cortex	Subcapsular Subcapsular	Adenoma Hyperplasia Chondroma	Mild
* Bone			
Note: Cartilage fills the medulla of the proximal tibia.			
* Kidney	Renal Tubule	Hyperplasia Clear Cell Focus Eosinophilic Focus Hepatocellular Adenoma Hepatocellular Carcinoma	Minimal
* Liver			
[Hepatocellular Adenoma TGLS = 2 - 5]			
[Hepatocellular Carcinoma TGLS = 1-10]			
* Lung	Glands	Alveolar/Bronchiolar Adenoma Inflammation	Mild
* Lymph Node, Mesenteric		Hyperplasia	Lymphoid, Minimal
* Pancreas		Atrophy	Minimal
* Prostate		Inflammation	Minimal
* Spleen		Hematopoietic Cell Proliferation	Minimal
* Thymus		Atrophy	Minimal
* Thyroid Gland	Follicular Cel	Hyperplasia	Mild

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99023-04
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: beta-Myrcene
CAS Number: 123-35-3

Date Report Requested: 10/16/2014
Time Report Requested: 05:39:03
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 74

TRT#: 3

SEX: Male

DAY ON TEST: 730

DOSE: 0.25 G/KG

DISP: Terminal Sacrifice

HISTO: 0400944

ORGAN AND ACCOUNTABLE SITE STATUS

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99023-04
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: beta-Myrcene
CAS Number: 123-35-3

Date Report Requested: 10/16/2014
Time Report Requested: 05:39:03
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 75

TRT#: 3

SEX: Male

DAY ON TEST: 730

DOSE: 0.25 G/KG

DISP: Terminal Sacrifice

HISTO: 0400945

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Bone Marrow	* Brain
* Epididymis	* Esophagus	* Eye	* Gallbladder
* Harderian Gland	* Heart	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Lung	* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Nose
* Pancreas	* Parathyroid Gland	* Pituitary Gland	* Preputial Gland
* Prostate	* Salivary Glands	* Seminal Vesicle	* Skin
* Stomach, Forestomach	* Stomach, Glandular	* Testes	* Thyroid Gland
* Trachea	* Urinary Bladder		

MISSING

* Mammary Gland

OBSERVATIONS

* Adrenal Cortex	Subcapsular	Hyperplasia	Minimal
* Islets, Pancreatic		Hyperplasia	Minimal
* Kidney		Mineralization	Minimal
		Nephropathy	Minimal
	Renal Tubule	Vacuolization Cytoplasmic	Minimal
* Liver		Clear Cell Focus	
		Fatty Change	Mild
		Hepatocellular Adenoma	
		Inflammation	Chronic Active, Minimal
Mesentery	Fat	Necrosis	Moderate
[Necrosis TGLS = 1-10]			
* Spleen		Hematopoietic Cell Proliferation	Minimal
* Thymus		Atrophy	Minimal
Tooth		Dysplasia	

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99023-04
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: beta-Myrcene
CAS Number: 123-35-3

Date Report Requested: 10/16/2014
Time Report Requested: 05:39:03
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 76

TRT#: 3

SEX: Male

DAY ON TEST: 635

DOSE: 0.25 G/KG

DISP: Natural Death

HISTO: 0400946

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Bone Marrow	* Brain
* Esophagus	* Eye	* Gallbladder	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Pancreas	* Parathyroid Gland	* Pituitary Gland
* Preputial Gland	* Prostate	* Salivary Glands	* Skin
* Stomach, Forestomach	* Stomach, Glandular	* Thyroid Gland	* Trachea
* Urinary Bladder			

MISSING

* Mammary Gland

OBSERVATIONS

* Adrenal Cortex	Subcapsular	Hyperplasia	Minimal
Note: One adrenal gland was missing on microscopic exam; the tissue included as adrenal was hepatoblastoma.			
* Epididymis		Hepatoblastoma	Metastatic (Liver)
[Hepatoblastoma TGLS = 2-11]			
* Harderian Gland		Fibrosis	Moderate
* Heart		Cardiomyopathy	Minimal
		Mineralization	Minimal
* Islets, Pancreatic		Hyperplasia	Minimal
* Kidney		Mineralization	Minimal
		Nephropathy	Mild
	Renal Tubule	Pigmentation	Hemosiderin, Marked
* Liver		Hematopoietic Cell Proliferation	Minimal
		Hepatoblastoma	
		Inflammation	Chronic Active, Minimal
[Hepatoblastoma TGLS = 1-10]			
* Lung		Hepatoblastoma	Metastatic (Liver)
* Lymph Node, Mandibular		Infiltration Cellular	Plasma Cell, Mild
* Lymph Node, Mesenteric		Hepatoblastoma	Metastatic (Liver)
Mesentery		Hepatoblastoma	Metastatic (Liver)
[Hepatoblastoma TGLS = 3-12]			

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99023-04
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: beta-Myrcene
CAS Number: 123-35-3

Date Report Requested: 10/16/2014
Time Report Requested: 05:39:03
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 76	TRT#: 3	SEX: Male	DAY ON TEST: 635
	DOSE: 0.25 G/KG	DISP: Natural Death	HISTO: 0400946

ORGAN AND ACCOUNTABLE SITE STATUS

* Nose		Inflammation	Mild
	Olfactory Epi	Metaplasia	Respiratory, Mild
* Seminal Vesicle		Hepatoblastoma	Metastatic (Liver)
* Spleen	Lymph Follic	Atrophy	Marked
		Hematopoietic Cell Proliferation	Marked
* Testes	Germinal Epith	Degeneration	Mild
* Thymus		Hepatoblastoma	Metastatic (Liver)
Tooth		Dysplasia	
	Pulp	Inflammation	Mild

PRIMARY CAUSE OF DEATH	- Liver Hepatoblastoma
-------------------------------	------------------------

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99023-04
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: beta-Myrcene
CAS Number: 123-35-3

Date Report Requested: 10/16/2014
Time Report Requested: 05:39:03
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 77 **TRT#:** 3 **SEX:** Male **DAY ON TEST:** 673
DOSE: 0.25 G/KG **DISP:** Moribund Sacrifice **HISTO:** 0400947

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Bone Marrow	* Brain
* Epididymis	* Esophagus	* Eye	* Gallbladder
* Harderian Gland	* Heart	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Nose	* Pancreas	* Parathyroid Gland
* Pituitary Gland	* Preputial Gland	* Salivary Glands	* Seminal Vesicle
* Skin	* Stomach, Glandular	* Trachea	* Urinary Bladder

MISSING

* Mammary Gland

OBSERVATIONS

* Adrenal Cortex	Subcapsular	Hyperplasia	Minimal
* Kidney		Nephropathy	Moderate
* Liver		Eosinophilic Focus	
		Hematopoietic Cell Proliferation	Minimal
		Hepatocellular Carcinoma	Multiple
		Inflammation	Chronic Active, Minimal
	[Hepatocellular Carcinoma TGLS = 1,2,3 - 10+11+12]		
* Lung		Hepatocellular Carcinoma	Metastatic (Liver)
	[Hepatocellular Carcinoma TGLS = 4,5 - 13+14]		
* Lymph Node, Mandibular		Atrophy	Minimal
* Lymph Node, Mesenteric		Atrophy	Minimal
* Prostate		Inflammation	Minimal
* Spleen		Hematopoietic Cell Proliferation	Moderate
* Stomach, Forestomach	Epithelium	Hyperplasia	Minimal
		Inflammation	Minimal
* Testes	Germinal Epith	Degeneration	Mild
* Thymus		Atrophy	Marked
* Thyroid Gland	Follicular Cel	Hyperplasia	Minimal

PRIMARY CAUSE OF DEATH - Liver Hepatocellular Carcinoma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99023-04

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: beta-Myrcene

CAS Number: 123-35-3

Date Report Requested: 10/16/2014

Time Report Requested: 05:39:03

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 78

TRT#: 3

SEX: Male

DAY ON TEST: 706

DOSE: 0.25 G/KG

DISP: Natural Death

HISTO: 0400948

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Bone Marrow	* Brain
* Epididymis	* Esophagus	* Eye	* Gallbladder
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Lung	* Lymph Node, Mandibular	* Nose	* Pancreas
* Parathyroid Gland	* Pituitary Gland	* Preputial Gland	* Salivary Glands
* Seminal Vesicle	* Skin	* Stomach, Glandular	* Testes
* Thymus	* Trachea	* Urinary Bladder	

MISSING

* Mammary Gland

AUTO PRECLUDES DIAG.

* Intestine Small, Ileum	* Intestine Small, Jejunum
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OBSERVATIONS

* Adrenal Cortex	Zona Fasciata Subcapsular	Atrophy Hyperplasia	Moderate Marked
* Harderian Gland		Hyperplasia	Mild
* Heart		Cardiomyopathy	Mild
* Islets, Pancreatic		Hyperplasia	Minimal
* Kidney		Mineralization	Minimal
		Nephropathy	Mild
	Renal Tubule	Vacuolization Cytoplasmic	Mild
* Liver		Basophilic Focus Eosinophilic Focus Hemangiosarcoma Hepatocellular Adenoma Inflammation Necrosis	Multiple Chronic Active, Minimal Minimal
	[Hemangiosarcoma TGLS = 5,6,7,8,9,10 - 4+5+10+11+12+13]		
* Lymph Node, Mesenteric		Atrophy	Minimal
* Preputial GI			

Note: One preputial gland was missing at trim.

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99023-04
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: beta-Myrcene
CAS Number: 123-35-3

Date Report Requested: 10/16/2014
Time Report Requested: 05:39:03
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 78	TRT#: 3	SEX: Male	DAY ON TEST: 706
	DOSE: 0.25 G/KG	DISP: Natural Death	HISTO: 0400948

ORGAN AND ACCOUNTABLE SITE STATUS

* Prostate		Inflammation	Minimal
* Sem Ves			
Note: TGL-2 (enlargement) had no corresponding microscopic lesion.			
* Spleen		Hemangiosarcoma	
		Hematopoietic Cell Proliferation	Mild
[Hemangiosarcoma TGLS = 3-4]			
* Stomach, Forestomach	Epithelium	Hyperplasia	Moderate
		Inflammation	Mild
		Ulcer	Minimal
* Thyroid Gland	Follicle	Cyst	Minimal
[Cyst TGLS = 4-3]			
Tooth		Dysplasia	
* Urin Bladder			
Note: TGL-1 (gross dilatation) had no corresponding lesion.			

PRIMARY CAUSE OF DEATH - Liver Hemangiosarcoma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99023-04
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: beta-Myrcene
CAS Number: 123-35-3

Date Report Requested: 10/16/2014
Time Report Requested: 05:39:03
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 79

TRT#: 3

SEX: Male

DAY ON TEST: 729

DOSE: 0.25 G/KG

DISP: Terminal Sacrifice

HISTO: 0400949

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Bone	* Brain	* Epididymis	* Esophagus
* Gallbladder	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Nose	* Pancreas	* Parathyroid Gland	* Pituitary Gland
* Preputial Gland	* Prostate	* Salivary Glands	* Seminal Vesicle
* Stomach, Glandular	* Testes	* Thyroid Gland	* Trachea
* Urinary Bladder			

MISSING

* Mammary Gland * Thymus

OBSERVATIONS

* Adrenal Cortex	Subcapsular	Hyperplasia	Mild
* Adrenal Medulla		Pheochromocytoma Malignant	
* Bone Marrow	Myeloid Cell	Hyperplasia	Mild
* Eye	Cornea	Hyperplasia	Squamous, Mild
Note: Corneal epithelial hyperplasia is secondary to proptosis of the eye from the harderian tumor.			
* Harderian Gland		Carcinoma	
[Carcinoma TGLS = 1-9]			
* Heart		Cardiomyopathy	Minimal
* Kidney	Cortex	Cyst	Minimal
		Mineralization	Minimal
		Nephropathy	Minimal
* Liver	Renal Tubule	Vacuolization Cytoplasmic	Minimal
		Eosinophilic Focus	
		Hepatocellular Adenoma	Multiple
		Inflammation	Chronic Active, Minimal
[Eosinophilic Focus TGLS = 8,9 - 11+12]			
[Hepatocellular Adenoma TGLS = 6,7 - 4+10]			
* Lung	Alveolar Epith	Hyperplasia	Moderate
	Alveolus	Infiltration Cellular	Histiocyte, Minimal
* Lymph Node, Mandibular		Infiltration Cellular	Plasma Cell, Mild

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99023-04
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: beta-Myrcene
CAS Number: 123-35-3

Date Report Requested: 10/16/2014
Time Report Requested: 05:39:03
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 79

TRT#: 3

SEX: Male

DAY ON TEST: 729

DOSE: 0.25 G/KG

DISP: Terminal Sacrifice

HISTO: 0400949

ORGAN AND ACCOUNTABLE SITE STATUS

[Infiltration Cellular TGLS = 5-2]

* Lymph Node, Mesenteric

Pheochromocytoma Malignant

Metastatic (Adrenal Medulla)

* Preputial GI

Note: No corresponding lesion for TGL-3, preputial gland enlargement; preputial glands are no more inflamed or distended than in other animals.

* Skin

Ulcer

Moderate

[Ulcer TGLS = 2-11]

* Spleen

Hematopoietic Cell Proliferation

Mild

* Stomach, Forestomach

Squamous Cell Papilloma

[Squamous Cell Papilloma TGLS = 4-10]

Tooth

Dysplasia

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99023-04
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: beta-Myrcene
CAS Number: 123-35-3

Date Report Requested: 10/16/2014
Time Report Requested: 05:39:03
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 80	TRT#: 3	SEX: Male	DAY ON TEST: 729
	DOSE: 0.25 G/KG	DISP: Terminal Sacrifice	HISTO: 0400950

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Bone Marrow	* Brain
* Epididymis	* Esophagus	* Eye	* Gallbladder
* Heart	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Lung	* Lymph Node, Mesenteric
* Nose	* Pancreas	* Parathyroid Gland	* Prostate
* Salivary Glands	* Seminal Vesicle	* Skin	* Stomach, Forestomach
* Stomach, Glandular	* Testes	* Thyroid Gland	* Trachea
* Urinary Bladder			

MISSING

* Mammary Gland	* Pituitary Gland
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OBSERVATIONS

* Adrenal Cortex	Subcapsular	Hyperplasia	Mild
* Harderian Gland		Adenoma	
* Intestine Large, Cecum	Lymphoid Tiss	Hyperplasia	Moderate
* Islets, Pancreatic		Hyperplasia	Minimal
* Kidney	Renal Tubule	Hyperplasia	Minimal
		Infarct	Minimal
		Mineralization	Minimal
		Nephropathy	Mild
	Renal Tubule	Vacuolization Cytoplasmic	Minimal
* Liver		Angiectasis	Minimal
		Clear Cell Focus	
		Fatty Change	Mild
		Hepatocellular Adenoma	Multiple
	[Clear Cell Focus TGLS = 4-11]		
	[Hepatocellular Adenoma TGLS = 2,3,5 - 4+10+12]		
* Lymph Node, Mandibular		Hyperplasia	Lymphoid, Mild
* Preputial Gland		Ectasia	Mild
	[Ectasia TGLS = 1-8]		
* Spleen		Hematopoietic Cell Proliferation	Minimal

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99023-04
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: beta-Myrcene
CAS Number: 123-35-3

Date Report Requested: 10/16/2014
Time Report Requested: 05:39:03
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 80

TRT#: 3

SEX: Male

DAY ON TEST: 729

DOSE: 0.25 G/KG

DISP: Terminal Sacrifice

HISTO: 0400950

ORGAN AND ACCOUNTABLE SITE STATUS

* Thymus

Atrophy

Minimal

Tooth

Dysplasia

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99023-04
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: beta-Myrcene
CAS Number: 123-35-3

Date Report Requested: 10/16/2014
Time Report Requested: 05:39:03
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 81

TRT#: 3

SEX: Male

DAY ON TEST: 729

DOSE: 0.25 G/KG

DISP: Terminal Sacrifice

HISTO: 0400951

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Bone Marrow	* Brain
* Epididymis	* Eye	* Gallbladder	* Harderian Gland
* Heart	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Lung	* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Nose
* Pancreas	* Parathyroid Gland	* Pituitary Gland	* Preputial Gland
* Prostate	* Salivary Glands	* Seminal Vesicle	* Skin
* Stomach, Forestomach	* Stomach, Glandular	* Testes	* Thyroid Gland
* Trachea	* Urinary Bladder		

MISSING

* Mammary Gland

OBSERVATIONS

* Adrenal Cortex	Subcapsular	Hyperplasia	Mild
* Esophagus		Inflammation	Minimal
* Kidney		Mineralization	Minimal
		Nephropathy	Mild
	Renal Tubule	Vacuolization Cytoplasmic	Mild
* Liver		Eosinophilic Focus	
		Hepatocellular Adenoma	Multiple
	[Hepatocellular Adenoma TGLS = 1,2,3 - 4+5+10]		
* Spleen		Hematopoietic Cell Proliferation	Minimal
* Thymus		Atrophy	Moderate
Tooth		Dysplasia	
	Peridont Tiss	Inflammation	Moderate

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99023-04
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: beta-Myrcene
CAS Number: 123-35-3

Date Report Requested: 10/16/2014
Time Report Requested: 05:39:03
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 82

TRT#: 3

SEX: Male

DAY ON TEST: 503

DOSE: 0.25 G/KG

DISP: Moribund Sacrifice

HISTO: 0400952

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Bone Marrow	* Brain
* Epididymis	* Esophagus	* Gallbladder	* Heart
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Lung	* Lymph Node, Mesenteric
* Nose	* Pancreas	* Parathyroid Gland	* Pituitary Gland
* Preputial Gland	* Salivary Glands	* Seminal Vesicle	* Skin
* Stomach, Forestomach	* Testes	* Thyroid Gland	* Trachea
* Urinary Bladder			

MISSING

* Mammary Gland

OBSERVATIONS

* Adrenal Cortex	Subcapsular	Hyperplasia	Mild
* Eye	Cornea	Inflammation	Mild
Note: Corneal inflammation secondary to proptosis of globe due to harderian tumor.			
* Harderian Gland		Adenoma	
[Adenoma TGLS = 1-9]			
* Islets, Pancreatic		Hyperplasia	Minimal
* Kidney		Nephropathy	Minimal
	Renal Tubule	Vacuolization Cytoplasmic	Minimal
* Liver		Clear Cell Focus	
	Hepatocyte	Fatty Change	Mild
		Hypertrophy	Mild
		Inflammation	Chronic Active, Minimal
		Vacuolization Cytoplasmic	Moderate
[Clear Cell Focus TGLS = 2-10]			
[Vacuolization Cytoplasmic TGLS = 3 - 3+4+5+10]			
* Lymph Node, Mandibular		Hyperplasia	Lymphoid, Minimal
* Prostate		Inflammation	Minimal
* Spleen		Hematopoietic Cell Proliferation	Mild
* Stomach, Glandular		Metaplasia	Squamous, Minimal

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99023-04
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: beta-Myrcene
CAS Number: 123-35-3

Date Report Requested: 10/16/2014
Time Report Requested: 05:39:03
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 82	TRT#: 3	SEX: Male	DAY ON TEST: 503
	DOSE: 0.25 G/KG	DISP: Moribund Sacrifice	HISTO: 0400952

ORGAN AND ACCOUNTABLE SITE STATUS

* Thymus	Atrophy	Minimal
PRIMARY CAUSE OF DEATH	- Harderian Gland Adenoma	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99023-04
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: beta-Myrcene
CAS Number: 123-35-3

Date Report Requested: 10/16/2014
Time Report Requested: 05:39:03
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 83

TRT#: 3

SEX: Male

DAY ON TEST: 728

DOSE: 0.25 G/KG

DISP: Terminal Sacrifice

HISTO: 0400953

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Brain	* Epididymis
* Eye	* Gallbladder	* Harderian Gland	* Heart
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Nose	* Pancreas
* Parathyroid Gland	* Pituitary Gland	* Preputial Gland	* Prostate
* Salivary Glands	* Seminal Vesicle	* Skin	* Stomach, Forestomach
* Stomach, Glandular	* Testes	* Trachea	* Urinary Bladder

MISSING

* Mammary Gland

OBSERVATIONS

* Adrenal Cortex	Subcapsular Zona Fasciata	Hyperplasia Hyperplasia	Mild Minimal
* Bone Marrow		Histiocytic Sarcoma	
* Esophagus		Inflammation	Minimal
* Islets, Pancreatic		Hyperplasia	Minimal
* Kidney	Renal Tubule	Hyperplasia Mineralization Nephropathy	Minimal Minimal Mild
* Liver	Renal Tubule	Vacuolization Cytoplasmic Hepatocellular Adenoma Histiocytic Sarcoma	Minimal Multiple
Note: Histiocytic sarcoma is present in all liver sections. [Hepatocellular Adenoma TGLS = 1,2,3,4,5 - 4+5+10+11+12]			
* Lung		Histiocytic Sarcoma	
* Lymph Node, Mandibular		Atrophy	Minimal
* Lymph Node, Mesenteric		Histiocytic Sarcoma	
* Spleen		Hematopoietic Cell Proliferation	Mild
* Thymus		Atrophy	Moderate
* Thyroid Gland	Follicle	Cyst	Minimal
Tooth		Dysplasia	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99023-04
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: beta-Myrcene
CAS Number: 123-35-3

Date Report Requested: 10/16/2014
Time Report Requested: 05:39:03
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 83

TRT#: 3

SEX: Male

DAY ON TEST: 728

DOSE: 0.25 G/KG

DISP: Terminal Sacrifice

HISTO: 0400953

ORGAN AND ACCOUNTABLE SITE STATUS

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99023-04
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: beta-Myrcene
CAS Number: 123-35-3

Date Report Requested: 10/16/2014
Time Report Requested: 05:39:03
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 84

TRT#: 3

SEX: Male

DAY ON TEST: 728

DOSE: 0.25 G/KG

DISP: Terminal Sacrifice

HISTO: 0400954

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Bone	* Brain	* Epididymis	* Esophagus
* Eye	* Gallbladder	* Harderian Gland	* Heart
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Lymph Node, Mandibular
* Lymph Node, Mesenteric	* Nose	* Pancreas	* Parathyroid Gland
* Pituitary Gland	* Preputial Gland	* Prostate	* Salivary Glands
* Seminal Vesicle	* Stomach, Forestomach	* Stomach, Glandular	* Testes
* Trachea	* Urinary Bladder		

MISSING

* Mammary Gland * Thymus

OBSERVATIONS

* Adrenal Cortex	Subcapsular	Hyperplasia	Mild
* Adrenal Medulla		Hyperplasia	Minimal
* Bone Marrow	Myeloid Cell	Hyperplasia	Mild
		Necrosis	Focal, Mild
* Eye			
Note: Optic nerves were not present in block or wet tissues.			
* Kidney	Renal Tubule	Hyperplasia	Minimal
		Mineralization	Minimal
		Nephropathy	Moderate
* Liver	Renal Tubule	Vacuolization Cytoplasmic	Minimal
		Hepatocellular Adenoma	Multiple
		Hepatocellular Carcinoma	
		[Hepatocellular Adenoma TGLS = 1,3,5 - 4+11+13]	
		[Hepatocellular Carcinoma TGLS = 2-12]	
* Lung		Hepatocellular Carcinoma	Metastatic (Liver)
* Skin		Infiltration Cellular	Mast Cell, Focal, Moderate
		Ulcer	Marked
		[Ulcer TGLS = 4-10]	
* Spleen		Hematopoietic Cell Proliferation	Moderate

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99023-04
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: beta-Myrcene
CAS Number: 123-35-3

Date Report Requested: 10/16/2014
Time Report Requested: 05:39:03
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 84	TRT#: 3	SEX: Male	DAY ON TEST: 728
	DOSE: 0.25 G/KG	DISP: Terminal Sacrifice	HISTO: 0400954

ORGAN AND ACCOUNTABLE SITE STATUS

* Thyroid Gland	Follicular Cel	Hyperplasia	Moderate
PRIMARY CAUSE OF DEATH	-		

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99023-04
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: beta-Myrcene
CAS Number: 123-35-3

Date Report Requested: 10/16/2014
Time Report Requested: 05:39:03
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 85

TRT#: 3

SEX: Male

DAY ON TEST: 729

DOSE: 0.25 G/KG

DISP: Terminal Sacrifice

HISTO: 0400955

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Bone Marrow	* Brain
* Epididymis	* Esophagus	* Eye	* Gallbladder
* Harderian Gland	* Heart	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Nose	* Pancreas
* Parathyroid Gland	* Pituitary Gland	* Preputial Gland	* Salivary Glands
* Seminal Vesicle	* Skin	* Stomach, Glandular	* Testes
* Thyroid Gland	* Trachea	* Urinary Bladder	

MISSING

* Mammary Gland

OBSERVATIONS

* Adrenal Cortex	Subcapsular	Hyperplasia	Mild
* Islets, Pancreatic		Hyperplasia	Minimal
* Kidney		Infarct	Minimal
		Nephropathy	Moderate
	Renal Tubule	Vacuolization Cytoplasmic	Minimal
* Liver		Eosinophilic Focus	
		Hepatocellular Adenoma	Multiple
		Hepatocellular Carcinoma	Multiple
		Mixed Cell Focus	
<p>Note: Part of the hepatocellular carcinoma in B11 is also in B04. [Eosinophilic Focus TGLS = 7-13] [Hepatocellular Adenoma TGLS = 3-10, 6-12] [Hepatocellular Carcinoma TGLS = 5-4, 1-11 2-12]</p>			
* Lung		Alveolar/Bronchiolar Adenoma	
		Hepatocellular Carcinoma	Metastatic (Liver)
	Alveolar Epith	Hyperplasia	Mild
Mesentery	Fat	Necrosis	Mild
		[Necrosis TGLS = 4-10]	
* Prostate		Inflammation	Minimal

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99023-04
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: beta-Myrcene
CAS Number: 123-35-3

Date Report Requested: 10/16/2014
Time Report Requested: 05:39:03
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 85	TRT#: 3	SEX: Male	DAY ON TEST: 729
	DOSE: 0.25 G/KG	DISP: Terminal Sacrifice	HISTO: 0400955

ORGAN AND ACCOUNTABLE SITE STATUS

* Spleen		Hematopoietic Cell Proliferation	Moderate
* Stomach, Forestomach	Epithelium	Hyperplasia	Mild
		Inflammation	Mild
		Ulcer	Mild
* Thymus		Atrophy	Marked

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99023-04
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: beta-Myrcene
CAS Number: 123-35-3

Date Report Requested: 10/16/2014
Time Report Requested: 05:39:03
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 86

TRT#: 3

SEX: Male

DAY ON TEST: 730

DOSE: 0.25 G/KG

DISP: Terminal Sacrifice

HISTO: 0400956

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Bone Marrow	* Brain
* Epididymis	* Esophagus	* Eye	* Gallbladder
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Lung	* Lymph Node, Mandibular
* Nose	* Pancreas	* Parathyroid Gland	* Pituitary Gland
* Preputial Gland	* Prostate	* Salivary Glands	* Seminal Vesicle
* Skin	* Stomach, Forestomach	* Stomach, Glandular	* Testes
* Thyroid Gland	* Trachea	* Urinary Bladder	

MISSING

* Mammary Gland

OBSERVATIONS

* Adrenal Cortex	Subcapsular	Hyperplasia	Minimal
* Harderian Gland		Adenoma	
* Heart		Cardiomyopathy	Minimal
* Islets, Pancreatic		Hyperplasia	Minimal
* Kidney	Renal Tubule	Hyperplasia	Minimal
		Infarct	Minimal
		Nephropathy	Minimal
	Renal Tubule	Vacuolization Cytoplasmic	Mild
* Liver		Clear Cell Focus	
		Hemangiosarcoma	
		Hepatocellular Adenoma	Multiple
		Hepatocellular Carcinoma	
	Oval Cell	Hyperplasia	Moderate
		Inflammation	Chronic Active, Mild
		Pigmentation	Hemosiderin, Mild
	[Hepatocellular Adenoma TGLS = 2,3 - 11+12]		
	[Hepatocellular Carcinoma TGLS = 1-10]		
* Lymph Node, Mesenteric		Atrophy	Marked
* Spleen		Hematopoietic Cell Proliferation	Minimal

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99023-04
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: beta-Myrcene
CAS Number: 123-35-3

Date Report Requested: 10/16/2014
Time Report Requested: 05:39:03
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 86

TRT#: 3

SEX: Male

DAY ON TEST: 730

DOSE: 0.25 G/KG

DISP: Terminal Sacrifice

HISTO: 0400956

ORGAN AND ACCOUNTABLE SITE STATUS

* Thymus

Atrophy

Minimal

Tooth

Dysplasia

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99023-04
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: beta-Myrcene
CAS Number: 123-35-3

Date Report Requested: 10/16/2014
Time Report Requested: 05:39:03
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 87

TRT#: 3

SEX: Male

DAY ON TEST: 503

DOSE: 0.25 G/KG

DISP: Moribund Sacrifice

HISTO: 0400957

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Bone Marrow	* Brain
* Epididymis	* Esophagus	* Gallbladder	* Heart
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Lymph Node, Mandibular	* Lymph Node, Mesenteric
* Pancreas	* Parathyroid Gland	* Pituitary Gland	* Preputial Gland
* Salivary Glands	* Seminal Vesicle	* Skin	* Spleen
* Stomach, Forestomach	* Stomach, Glandular	* Thymus	* Thyroid Gland
* Trachea	* Urinary Bladder		

MISSING

* Mammary Gland

OBSERVATIONS

* Adrenal Cortex	Subcapsular	Hyperplasia	Mild
* Eye	Cornea	Hyperplasia	Squamous, Mild
	Cornea	Inflammation	Mild
Note: Corneal changes are secondary to proptosis from harderian tumor.			
* Harderian Gland		Adenoma	
[Adenoma TGLS = 1-9]			
* Islets, Pancreatic		Hyperplasia	Moderate
* Kidney	Cortex	Cyst	Mild
	Renal Tubule	Hyperplasia	Minimal
		Mineralization	Minimal
		Nephropathy	Minimal
	Renal Tubule	Vacuolization Cytoplasmic	Mild
* Liver		Fatty Change	Minimal
		Tension Lipidosis	Minimal
[Fatty Change TGLS = 2-3+4+5]			
* Lung	Alveolar Epith	Hyperplasia	Mild
* Nose		Inflammation	Mild
* Prostate		Hyperplasia	Mild
		Inflammation	Minimal

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99023-04
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: beta-Myrcene
CAS Number: 123-35-3

Date Report Requested: 10/16/2014
Time Report Requested: 05:39:03
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 87

TRT#: 3

SEX: Male

DAY ON TEST: 503

DOSE: 0.25 G/KG

DISP: Moribund Sacrifice

HISTO: 0400957

ORGAN AND ACCOUNTABLE SITE STATUS

* Testes

Interstit Cell

Adenoma

PRIMARY CAUSE OF DEATH

- Harderian Gland Adenoma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99023-04
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: beta-Myrcene
CAS Number: 123-35-3

Date Report Requested: 10/16/2014
Time Report Requested: 05:39:03
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 88	TRT#: 3	SEX: Male	DAY ON TEST: 730
	DOSE: 0.25 G/KG	DISP: Terminal Sacrifice	HISTO: 0400958

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Bone Marrow	* Brain
* Epididymis	* Esophagus	* Eye	* Gallbladder
* Harderian Gland	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Lymph Node, Mandibular
* Lymph Node, Mesenteric	* Nose	* Pancreas	* Pituitary Gland
* Preputial Gland	* Prostate	* Salivary Glands	* Seminal Vesicle
Skeletal Muscle	* Skin	* Stomach, Glandular	* Testes
* Thyroid Gland	* Trachea	* Urinary Bladder	

MISSING

* Mammary Gland	* Parathyroid Gland
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OBSERVATIONS

* Adrenal Cortex	Subcapsular	Hyperplasia	Minimal
* Heart		Cardiomyopathy	Minimal
* Islets, Pancreatic		Hyperplasia	Marked
* Kidney		Mineralization	Minimal
		Nephropathy	Minimal
	Renal Tubule	Vacuolization Cytoplasmic	Mild
* Liver		Basophilic Focus	
		Eosinophilic Focus	
		Hepatocellular Adenoma	Multiple
		Hepatocellular Carcinoma	
Note: The hepatocellular carcinoma in B11 is also in B03 [Hepatocellular Adenoma TGLS = 1-10] [Hepatocellular Carcinoma TGLS = 2-11]			
* Lung		Hepatocellular Carcinoma	Metastatic (Liver)
	Bronchiole	Hyperplasia	Mild
* Spleen		Hematopoietic Cell Proliferation	Moderate
* Stomach, Forestomach	Epithelium	Hyperplasia	Mild
* Thymus		Atrophy	Marked
Tooth		Dysplasia	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99023-04
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: beta-Myrcene
CAS Number: 123-35-3

Date Report Requested: 10/16/2014
Time Report Requested: 05:39:03
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 88

TRT#: 3

SEX: Male

DAY ON TEST: 730

DOSE: 0.25 G/KG

DISP: Terminal Sacrifice

HISTO: 0400958

ORGAN AND ACCOUNTABLE SITE STATUS

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99023-04
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: beta-Myrcene
CAS Number: 123-35-3

Date Report Requested: 10/16/2014
Time Report Requested: 05:39:03
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 89

TRT#: 3

SEX: Male

DAY ON TEST: 729

DOSE: 0.25 G/KG

DISP: Terminal Sacrifice

HISTO: 0400959

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Bone Marrow	* Brain
* Epididymis	* Eye	* Gallbladder	* Harderian Gland
* Heart	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Lung	* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Nose
* Pancreas	* Parathyroid Gland	* Pituitary Gland	* Preputial Gland
* Prostate	* Salivary Glands	* Seminal Vesicle	* Skin
* Stomach, Forestomach	* Stomach, Glandular	* Testes	* Thyroid Gland
* Trachea	* Urinary Bladder		

MISSING

* Mammary Gland

OBSERVATIONS

* Adrenal Cortex		Hypertrophy	Moderate
* Esophagus	Muscularis	Degeneration	Mild
		Inflammation	Minimal
* Kidney		Mineralization	Minimal
	Renal Tubule	Vacuolization Cytoplasmic	Minimal
* Liver		Clear Cell Focus	
		Fatty Change	Mild
		Inflammation	Chronic Active, Minimal
* Spleen		Hematopoietic Cell Proliferation	Minimal
* Thymus		Atrophy	Minimal
Tooth		Dysplasia	

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99023-04
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: beta-Myrcene
CAS Number: 123-35-3

Date Report Requested: 10/16/2014
Time Report Requested: 05:39:03
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 90

TRT#: 3

SEX: Male

DAY ON TEST: 729

DOSE: 0.25 G/KG

DISP: Terminal Sacrifice

HISTO: 0400960

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Bone Marrow	* Brain
* Epididymis	* Esophagus	* Gallbladder	* Harderian Gland
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Lung	* Lymph Node, Mandibular
* Nose	* Pancreas	* Parathyroid Gland	* Preputial Gland
* Prostate	* Salivary Glands	* Seminal Vesicle	* Skin
* Stomach, Forestomach	* Stomach, Glandular	* Testes	* Thyroid Gland
* Trachea	* Urinary Bladder		

MISSING

* Mammary Gland

OBSERVATIONS

* Adrenal Cortex	Subcapsular	Hyperplasia	Mild
* Eye	Optic Nerve	Fibrosis	Mild
* Heart		Cardiomyopathy	Minimal
* Islets, Pancreatic		Hyperplasia	Minimal
* Kidney		Nephropathy	Minimal
	Renal Tubule	Vacuolization Cytoplasmic	Minimal
* Liver		Clear Cell Focus	
		Eosinophilic Focus	
		Hepatoblastoma	
		Hepatocellular Adenoma	Multiple
		Hepatocellular Carcinoma	
	Oval Cell	Hyperplasia	Mild
		Infarct	Marked
		Inflammation	Chronic Active, Minimal
		Pigmentation	Hemosiderin, Minimal

[Hepatoblastoma TGLS = 3-12]
 [Hepatocellular Adenoma TGLS = 2,5 - 11+13]
 [Hepatocellular Carcinoma TGLS = 1-10]
 [Infarct TGLS = 4-13]

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99023-04
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: beta-Myrcene
CAS Number: 123-35-3

Date Report Requested: 10/16/2014
Time Report Requested: 05:39:03
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 90	TRT#: 3	SEX: Male	DAY ON TEST: 729
	DOSE: 0.25 G/KG	DISP: Terminal Sacrifice	HISTO: 0400960

ORGAN AND ACCOUNTABLE SITE STATUS

* Lymph Node, Mesenteric		Atrophy	Minimal
* Pituitary Gland	Pars Distalis	Hyperplasia	Moderate
* Spleen		Hematopoietic Cell Proliferation	Minimal
* Thymus		Atrophy	Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99023-04
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: beta-Myrcene
CAS Number: 123-35-3

Date Report Requested: 10/16/2014
Time Report Requested: 05:39:03
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 91 **TRT#:** 3 **SEX:** Male **DAY ON TEST:** 728
DOSE: 0.25 G/KG **DISP:** Terminal Sacrifice **HISTO:** 0400961

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Brain	* Epididymis	* Esophagus
* Eye	* Gallbladder	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Lung	* Lymph Node, Mesenteric	* Nose
* Pancreas	* Parathyroid Gland	* Pituitary Gland	* Salivary Glands
* Seminal Vesicle	* Skin	* Stomach, Forestomach	* Stomach, Glandular
* Testes	* Thyroid Gland	* Trachea	* Urinary Bladder

MISSING

* Mammary Gland

OBSERVATIONS

* Adrenal Cortex	Subcapsular	Hyperplasia	Moderate
* Bone		Osteoporosis	Moderate
Note: Bone lysis (due to hemangiosarcoma) has eroded through distal femur and proximal tibia.			
* Bone Marrow		Hemangiosarcoma	
* Harderian Gland		Adenoma	
[Adenoma TGLS = 1-9]			
* Heart		Fibrosis	Mild
		Necrosis	Mild
* Kidney		Nephropathy	Mild
* Liver		Hemangiosarcoma	Multiple
		Necrosis	Moderate
[Hemangiosarcoma TGLS = 4,5,6,7,8 - 11+12+13+14+15]			
* Lymph Node, Mandibular		Atrophy	Mild
* Preputial Gland		Inflammation	Mild
[Inflammation TGLS = 2-8]			
* Prostate		Inflammation	Minimal
* Spleen		Hemangiosarcoma	
		Hematopoietic Cell Proliferation	Marked
[Hemangiosarcoma TGLS = 3-10]			
* Thymus		Atrophy	Marked

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99023-04
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: beta-Myrcene
CAS Number: 123-35-3

Date Report Requested: 10/16/2014
Time Report Requested: 05:39:03
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 91

TRT#: 3

SEX: Male

DAY ON TEST: 728

DOSE: 0.25 G/KG

DISP: Terminal Sacrifice

HISTO: 0400961

ORGAN AND ACCOUNTABLE SITE STATUS

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99023-04
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: beta-Myrcene
CAS Number: 123-35-3

Date Report Requested: 10/16/2014
Time Report Requested: 05:39:03
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 92

TRT#: 3

SEX: Male

DAY ON TEST: 728

DOSE: 0.25 G/KG

DISP: Terminal Sacrifice

HISTO: 0400962

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Bone Marrow	* Brain
* Epididymis	* Esophagus	* Eye	* Gallbladder
* Harderian Gland	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Lymph Node, Mandibular	* Nose	* Pancreas	* Parathyroid Gland
* Pituitary Gland	* Preputial Gland	* Prostate	* Salivary Glands
* Seminal Vesicle	* Skin	* Stomach, Glandular	* Testes
* Thymus	* Thyroid Gland	* Trachea	* Urinary Bladder

MISSING

* Mammary Gland

OBSERVATIONS

* Adrenal Cortex	Subcapsular	Hyperplasia	Mild
* Heart		Cardiomyopathy	Minimal
* Kidney		Nephropathy	Minimal
	Renal Tubule	Vacuolization Cytoplasmic	Minimal
* Liver		Fatty Change	Minimal
		Hepatocellular Adenoma	Multiple
		Hepatocellular Carcinoma	
		Inflammation	Chronic Active, Minimal
		[Hepatocellular Adenoma TGLS = 3-4]	
		[Hepatocellular Carcinoma TGLS = 2-10]	
* Lung	Alveolus	Alveolar/Bronchiolar Adenoma	
		Infiltration Cellular	Histiocyte, Mild
		[Alveolar/Bronchiolar Adenoma TGLS = 4-11]	
* Lymph Node, Mesenteric		Hyperplasia	Lymphoid, Mild
* Preputial GI			
		Note: TGL-1 has no corresponding lesion; there is no more inflammation nor more ectasia than in other animals.	
* Spleen		Hematopoietic Cell Proliferation	Mild
* Stomach, Forestomach	Epithelium	Hyperplasia	Mild
		Inflammation	Mild

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99023-04
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: beta-Myrcene
CAS Number: 123-35-3

Date Report Requested: 10/16/2014
Time Report Requested: 05:39:03
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 92	TRT#: 3	SEX: Male	DAY ON TEST: 728
	DOSE: 0.25 G/KG	DISP: Terminal Sacrifice	HISTO: 0400962

ORGAN AND ACCOUNTABLE SITE STATUS

[Squamous Cell Papilloma TGLS = 5-12]	Squamous Cell Papilloma
Tooth	Dysplasia

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99023-04
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: beta-Myrcene
CAS Number: 123-35-3

Date Report Requested: 10/16/2014
Time Report Requested: 05:39:03
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 93

TRT#: 3

SEX: Male

DAY ON TEST: 729

DOSE: 0.25 G/KG

DISP: Terminal Sacrifice

HISTO: 0400963

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Bone Marrow	* Brain
* Epididymis	* Esophagus	* Eye	* Gallbladder
* Harderian Gland	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Jejunum	* Lymph Node, Mandibular	* Lymph Node, Mesenteric
* Pancreas	* Parathyroid Gland	* Pituitary Gland	* Prostate
* Salivary Glands	* Seminal Vesicle	* Skin	* Stomach, Forestomach
* Testes	* Thyroid Gland	* Trachea	* Urinary Bladder

MISSING

* Mammary Gland

OBSERVATIONS

* Adrenal Cortex	Subcapsular	Hyperplasia Hypertrophy	Minimal Minimal
* Heart		Cardiomyopathy	Minimal
* Intestine Small, Ileum		Carcinoma	
* Islets, Pancreatic		Hyperplasia	Minimal
* Kidney	Renal Tubule	Hyperplasia Mineralization Nephropathy	Minimal Minimal Mild
* Liver	Renal Tubule	Vacuolization Cytoplasmic Hepatocellular Adenoma Hepatocellular Carcinoma Inflammation Necrosis	Minimal Multiple Chronic Active, Minimal Minimal
Note: TGL 4 =No Corresponding Lesion [Hepatocellular Adenoma TGLS = 2,3 - 11+12] [Hepatocellular Carcinoma TGLS = 1-10]			
* Lung		Hepatocellular Carcinoma	Metastatic (Liver)
	Alveolar Epith	Hyperplasia	Mild
* Nose	Respirat Epith Olfactory Epi	Hyperplasia Metaplasia	Mild Respiratory, Mild

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99023-04
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: beta-Myrcene
CAS Number: 123-35-3

Date Report Requested: 10/16/2014
Time Report Requested: 05:39:03
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 93	TRT#: 3	SEX: Male	DAY ON TEST: 729
	DOSE: 0.25 G/KG	DISP: Terminal Sacrifice	HISTO: 0400963

ORGAN AND ACCOUNTABLE SITE STATUS

* Preputial Gland [Ectasia TGLS = 5-8]	Ectasia	Mild
* Sem Ves Note: TGL-6 had no corresponding microscopic lesion.		
* Spleen	Hematopoietic Cell Proliferation	Mild
* Stomach, Glandular	Hyperplasia	Minimal
* Thymus	Atrophy	Marked
Tooth	Dysplasia	

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99023-04
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: beta-Myrcene
CAS Number: 123-35-3

Date Report Requested: 10/16/2014
Time Report Requested: 05:39:03
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 94

TRT#: 3

SEX: Male

DAY ON TEST: 729

DOSE: 0.25 G/KG

DISP: Terminal Sacrifice

HISTO: 0400964

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Bone Marrow	* Brain
* Epididymis	* Esophagus	* Eye	* Gallbladder
* Harderian Gland	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Lymph Node, Mandibular
* Lymph Node, Mesenteric	* Nose	* Pancreas	* Parathyroid Gland
* Pituitary Gland	* Preputial Gland	* Prostate	* Salivary Glands
* Seminal Vesicle	* Skin	* Stomach, Glandular	* Testes
* Thymus	* Thyroid Gland	* Trachea	* Urinary Bladder

MISSING

* Mammary Gland

OBSERVATIONS

* Adrenal Cortex	Subcapsular	Hyperplasia	Mild
* Heart		Cardiomyopathy	Minimal
* Islets, Pancreatic		Hyperplasia	Minimal
* Kidney		Infarct	Mild
		Mineralization	Minimal
	Renal Tubule	Vacuolization Cytoplasmic	Minimal
* Liver		Clear Cell Focus	
		Eosinophilic Focus	
		Fatty Change	Minimal
		Hepatoblastoma	
		Hepatocellular Adenoma	Multiple
		Inflammation	Chronic Active, Minimal
		[Hepatoblastoma TGLS = 2-11]	
		[Hepatocellular Adenoma TGLS = 3,4,5 - 12+13+14, 1-10]	
* Lung	Alveolar Epith	Hyperplasia	Mild
* Spleen		Hematopoietic Cell Proliferation	Minimal
* Stomach, Forestomach	Epithelium	Hyperplasia	Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99023-04
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: beta-Myrcene
CAS Number: 123-35-3

Date Report Requested: 10/16/2014
Time Report Requested: 05:39:03
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 95

TRT#: 3

SEX: Male

DAY ON TEST: 728

DOSE: 0.25 G/KG

DISP: Terminal Sacrifice

HISTO: 0400965

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Bone Marrow	* Brain
* Epididymis	* Esophagus	* Eye	* Gallbladder
* Harderian Gland	* Heart	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Lung	* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Nose
* Pancreas	* Parathyroid Gland	* Pituitary Gland	* Preputial Gland
* Prostate	* Salivary Glands	* Seminal Vesicle	* Skin
* Spleen	* Stomach, Forestomach	* Stomach, Glandular	* Testes
* Thymus	* Thyroid Gland	* Trachea	* Urinary Bladder

MISSING

* Mammary Gland

OBSERVATIONS

* Adrenal Cortex	Subcapsular	Hyperplasia	Mild
* Intestine Large, Cecum	Lymphoid Tiss	Hyperplasia	Mild
* Kidney	Renal Tubule	Hyperplasia	Minimal
		Mineralization	Minimal
		Nephropathy	Mild
* Liver	Renal Tubule	Vacuolization Cytoplasmic	Minimal
		Clear Cell Focus	
		Eosinophilic Focus	
		Hepatocellular Adenoma	Multiple
		Infarct	Marked

Note: TGL-2 liver lobe discoloration was probably due to torsion and necrosis of the entire lobe.

[Hepatocellular Adenoma TGLS = 1,4,5,6 - 10+13+14+15, 3-12]

[Infarct TGLS = 2-11]

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99023-04
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: beta-Myrcene
CAS Number: 123-35-3

Date Report Requested: 10/16/2014
Time Report Requested: 05:39:03
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 96

TRT#: 3

SEX: Male

DAY ON TEST: 730

DOSE: 0.25 G/KG

DISP: Terminal Sacrifice

HISTO: 0400966

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Bone Marrow	* Brain
* Epididymis	* Esophagus	* Eye	* Gallbladder
* Harderian Gland	* Heart	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Nose	* Pancreas
* Parathyroid Gland	* Pituitary Gland	* Preputial Gland	* Prostate
* Salivary Glands	* Seminal Vesicle	* Skin	* Stomach, Forestomach
* Stomach, Glandular	* Testes	* Thyroid Gland	* Trachea
* Urinary Bladder			

MISSING

* Mammary Gland

OBSERVATIONS

* Adrenal Cortex	Subcapsular	Hyperplasia	Minimal
* Islets, Pancreatic		Hyperplasia	Minimal
* Kidney	Cortex	Cyst	Minimal
		Nephropathy	Minimal
	Renal Tubule	Vacuolization Cytoplasmic	Mild
* Liver		Clear Cell Focus	
		Fatty Change	Mild
		Hepatocellular Adenoma	
		Inflammation	Chronic Active, Minimal
		[Clear Cell Focus TGLS = 1-3+4+5+11]	
		[Hepatocellular Adenoma TGLS = 2-10]	
* Lung	Glands	Alveolar/Bronchiolar Adenoma	Multiple
		Inflammation	Minimal
		[Alveolar/Bronchiolar Adenoma TGLS = 3-10]	
* Spleen		Hematopoietic Cell Proliferation	Minimal
* Thymus		Atrophy	Minimal

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99023-04
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: beta-Myrcene
CAS Number: 123-35-3

Date Report Requested: 10/16/2014
Time Report Requested: 05:39:03
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 97

TRT#: 3

SEX: Male

DAY ON TEST: 611

DOSE: 0.25 G/KG

DISP: Natural Death

HISTO: 0400967

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Bone Marrow	* Brain
* Epididymis	* Eye	* Gallbladder	* Harderian Gland
* Heart	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Lymph Node, Mandibular
* Lymph Node, Mesenteric	* Nose	* Pancreas	* Pituitary Gland
* Preputial Gland	* Salivary Glands	* Seminal Vesicle	* Skin
* Stomach, Forestomach	* Stomach, Glandular	* Testes	* Thyroid Gland
* Trachea	* Urinary Bladder		

MISSING

* Mammary Gland	* Parathyroid Gland
-----------------	---------------------

AUTO PRECLUDES DIAG.

* Intestine Small, Duodenum

OBSERVATIONS

* Adrenal Cortex	Subcapsular	Hyperplasia	Minimal
* Esophagus		Inflammation	Minimal
* Kidney		Nephropathy	Moderate
* Liver		Eosinophilic Focus	
		Hepatocellular Carcinoma	
		Inflammation	Chronic Active, Minimal
		Necrosis	Minimal
[Hepatocellular Carcinoma TGLS = 1-10]			
* Lung		Hepatocellular Carcinoma	Metastatic (Liver)
* Prostate		Inflammation	Minimal
* Spleen		Hematopoietic Cell Proliferation	Mild
* Thymus		Atrophy	Mild
Tooth	Pulp	Inflammation	Minimal

PRIMARY CAUSE OF DEATH - Liver Hepatocellular Carcinoma

CONTRIBUTORY CAUSE OF DEATH - Kidney Nephropathy

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99023-04
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: beta-Myrcene
CAS Number: 123-35-3

Date Report Requested: 10/16/2014
Time Report Requested: 05:39:03
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 98

TRT#: 3

SEX: Male

DAY ON TEST: 729

DOSE: 0.25 G/KG

DISP: Terminal Sacrifice

HISTO: 0400968

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Bone Marrow	* Brain
* Epididymis	* Esophagus	* Eye	* Gallbladder
* Harderian Gland	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Lymph Node, Mandibular
* Lymph Node, Mesenteric	* Nose	* Pancreas	* Parathyroid Gland
* Pituitary Gland	* Preputial Gland	* Salivary Glands	* Seminal Vesicle
* Skin	* Stomach, Glandular	* Testes	* Thyroid Gland
* Trachea	* Urinary Bladder		

MISSING

* Mammary Gland

OBSERVATIONS

* Adrenal Cortex	Subcapsular	Hyperplasia	Mild
* Heart		Cardiomyopathy	Minimal
* Islets, Pancreatic		Hyperplasia	Minimal
* Kidney	Renal Tubule	Hyperplasia	Minimal
		Mineralization	Minimal
		Nephropathy	Minimal
	Renal Tubule	Vacuolization Cytoplasmic	Mild
* Liver		Clear Cell Focus	
		Fatty Change	Mild
		Hepatocellular Adenoma	Multiple
		[Hepatocellular Adenoma TGLS = 1,2 - 10+11]	
* Lung		Alveolar/Bronchiolar Adenoma	
* Prostate		Inflammation	Minimal
* Spleen		Hematopoietic Cell Proliferation	Minimal
* Stomach, Forestomach	Epithelium	Hyperplasia	Minimal
* Thymus		Atrophy	Minimal
Tooth		Dysplasia	

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99023-04
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: beta-Myrcene
CAS Number: 123-35-3

Date Report Requested: 10/16/2014
Time Report Requested: 05:39:03
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 99

TRT#: 3

SEX: Male

DAY ON TEST: 728

DOSE: 0.25 G/KG

DISP: Terminal Sacrifice

HISTO: 0400969

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Brain	* Epididymis
* Esophagus	* Eye	* Gallbladder	* Heart
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Lung	* Lymph Node, Mandibular
* Lymph Node, Mesenteric	* Nose	* Pancreas	* Parathyroid Gland
* Pituitary Gland	* Preputial Gland	* Prostate	* Salivary Glands
* Seminal Vesicle	* Skin	* Spleen	* Stomach, Forestomach
* Stomach, Glandular	* Testes	* Thyroid Gland	* Trachea
* Urinary Bladder			

MISSING

* Mammary Gland

OBSERVATIONS

* Adrenal Cortex	Subcapsular	Hyperplasia	Mild
* Bone Marrow		Pigmentation	Mild
* Harderian Gland		Adenoma	
* Islets, Pancreatic		Hyperplasia	Minimal
* Kidney	Renal Tubule	Adenoma	
	Cortex	Cyst	Minimal
	Renal Tubule	Hyperplasia	Mild
		Mineralization	Mild
		Nephropathy	Minimal
	Renal Tubule	Vacuolization Cytoplasmic	Mild
[Adenoma TGLS = 2-11]			
* Liver		Hepatocellular Adenoma	Multiple
		Inflammation	Chronic Active, Mild
[Hepatocellular Adenoma TGLS = 1-10]			
* Thymus		Atrophy	Minimal
Tooth		Dysplasia	
	Pulp	Inflammation	Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99023-04
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: beta-Myrcene
CAS Number: 123-35-3

Date Report Requested: 10/16/2014
Time Report Requested: 05:39:03
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 99

TRT#: 3

SEX: Male

DAY ON TEST: 728

DOSE: 0.25 G/KG

DISP: Terminal Sacrifice

HISTO: 0400969

ORGAN AND ACCOUNTABLE SITE STATUS

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99023-04
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: beta-Myrcene
CAS Number: 123-35-3

Date Report Requested: 10/16/2014
Time Report Requested: 05:39:03
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 100

TRT#: 3

SEX: Male

DAY ON TEST: 730

DOSE: 0.25 G/KG

DISP: Terminal Sacrifice

HISTO: 0400970

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Bone Marrow	* Brain
* Epididymis	* Esophagus	* Eye	* Gallbladder
* Harderian Gland	* Heart	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Lung	* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Nose
* Pancreas	* Parathyroid Gland	* Pituitary Gland	* Preputial Gland
* Prostate	* Salivary Glands	* Seminal Vesicle	* Skin
* Stomach, Forestomach	* Stomach, Glandular	* Testes	* Thyroid Gland
* Trachea	* Urinary Bladder		

MISSING

* Mammary Gland

OBSERVATIONS

* Adrenal Cortex	Subcapsular	Hyperplasia	Mild
* Islets, Pancreatic		Hyperplasia	Minimal
* Kidney	Renal Tubule	Hyperplasia	Minimal
		Mineralization	Minimal
		Nephropathy	Minimal
	Renal Tubule	Vacuolization Cytoplasmic	Minimal
* Liver		Clear Cell Focus	
		Fatty Change	Mild
		Hepatocellular Adenoma	Multiple
	[Hepatocellular Adenoma TGLS = 2,3 - 11+12]		
Mesentery	Fat	Necrosis	Minimal
	[Necrosis TGLS = 1-10]		
* Spleen		Hematopoietic Cell Proliferation	Minimal
* Thymus		Atrophy	Minimal
Tooth		Dysplasia	

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99023-04
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: beta-Myrcene
CAS Number: 123-35-3

Date Report Requested: 10/16/2014
Time Report Requested: 05:39:03
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 101

TRT#: 5
DOSE: 0.5 G/KG

SEX: Male
DISP: Natural Death

DAY ON TEST: 587
HISTO: 0400971

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Bone Marrow	* Brain
* Epididymis	* Esophagus	* Eye	* Gallbladder
* Heart	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Lymph Node, Mandibular
* Lymph Node, Mesenteric	* Nose	* Pancreas	* Parathyroid Gland
* Pituitary Gland	* Preputial Gland	* Salivary Glands	* Seminal Vesicle
* Skin	* Stomach, Forestomach	* Stomach, Glandular	* Testes
* Thyroid Gland	* Trachea	* Urinary Bladder	

MISSING

* Mammary Gland

OBSERVATIONS

* Adrenal Cortex	Subcapsular	Hyperplasia	Mild
* Harderian Gland		Adenoma	
* Islets, Pancreatic		Hyperplasia	Minimal
* Kidney		Nephropathy	Minimal
* Liver		Clear Cell Focus	
		Fatty Change	Moderate
		Hepatocellular Adenoma	Multiple
		Hepatocellular Carcinoma	
		Mixed Cell Focus	
		Necrosis	Mild
		Vacuolization Cytoplasmic	Mild
Note: Second adenoma found on slide 04.			
[Hepatocellular Adenoma TGLS = 2-10]			
[Hepatocellular Carcinoma TGLS = 1-10]			
* Lung		Alveolar/Bronchiolar Adenoma	
* Prostate		Inflammation	Minimal
* Spleen		Hematopoietic Cell Proliferation	Mild
* Thymus		Atrophy	Minimal
Tooth		Dysplasia	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99023-04
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: beta-Myrcene
CAS Number: 123-35-3

Date Report Requested: 10/16/2014
Time Report Requested: 05:39:03
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 101

TRT#: 5

SEX: Male

DAY ON TEST: 587

DOSE: 0.5 G/KG

DISP: Natural Death

HISTO: 0400971

ORGAN AND ACCOUNTABLE SITE STATUS

PRIMARY CAUSE OF DEATH

- Liver Hepatocellular Carcinoma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99023-04
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: beta-Myrcene
CAS Number: 123-35-3

Date Report Requested: 10/16/2014
Time Report Requested: 05:39:03
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 102

TRT#: 5
DOSE: 0.5 G/KG

SEX: Male
DISP: Moribund Sacrifice

DAY ON TEST: 580
HISTO: 0400972

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Bone Marrow	* Brain
* Epididymis	* Esophagus	* Eye	* Gallbladder
* Harderian Gland	* Heart	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Lung	* Nose	* Pancreas
* Parathyroid Gland	* Pituitary Gland	* Preputial Gland	* Prostate
* Salivary Glands	* Seminal Vesicle	* Skin	* Stomach, Forestomach
* Stomach, Glandular	* Testes	* Thyroid Gland	* Trachea
* Urinary Bladder			

MISSING

* Mammary Gland

OBSERVATIONS

* Adrenal Cortex	Subcapsular	Hyperplasia	Minimal
* Kidney		Nephropathy	Minimal
* Liver		Hepatocellular Adenoma	
		Histiocytic Sarcoma	
[Hepatocellular Adenoma TGLS = 2-14]			
[Histiocytic Sarcoma TGLS = 1,3,4-3+4+5+14+15]			
Lymph Node	Bronchial	Histiocytic Sarcoma	
* Lymph Node, Mandibular		Atrophy	Minimal
* Lymph Node, Mesenteric		Atrophy	Minimal
Peripheral Nerve		Infiltration Cellular	Lymphocyte, Mild
Note: Lymphocyte infiltrate is perivascular in sciatic nerve section.			
Spinal Cord		Histiocytic Sarcoma	
Note: Histiocytic sarcoma appears to be infiltrating the dorsal root ganglion (B11).			
* Spleen		Hematopoietic Cell Proliferation	Moderate
* Thymus		Atrophy	Mild
Note: There is inflammation of the fat surrounding the thymus.			

PRIMARY CAUSE OF DEATH - Liver Histiocytic Sarcoma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99023-04
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: beta-Myrcene
CAS Number: 123-35-3

Date Report Requested: 10/16/2014
Time Report Requested: 05:39:03
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 103

TRT#: 5

SEX: Male

DAY ON TEST: 729

DOSE: 0.5 G/KG

DISP: Terminal Sacrifice

HISTO: 0400973

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Bone Marrow	* Brain
* Epididymis	* Esophagus	* Eye	* Gallbladder
* Harderian Gland	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Lung
* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Nose	* Parathyroid Gland
* Pituitary Gland	* Preputial Gland	* Prostate	* Salivary Glands
* Seminal Vesicle	* Skin	* Stomach, Forestomach	* Stomach, Glandular
* Testes	* Thyroid Gland	* Trachea	* Urinary Bladder

MISSING

* Mammary Gland

OBSERVATIONS

* Adrenal Cortex	Subcapsular	Hyperplasia Hypertrophy	Mild Minimal
* Heart		Cardiomyopathy	Minimal
* Islets, Pancreatic		Hyperplasia	Mild
* Kidney	Cortex	Cyst	Minimal
		Nephropathy	Minimal
	Renal Tubule	Vacuolization Cytoplasmic	Minimal
* Liver		Clear Cell Focus Eosinophilic Focus Fatty Change Hepatocellular Adenoma Inflammation	 Minimal Multiple Chronic Active, Minimal
		[Clear Cell Focus TGLS = 7-10]	
		[Fatty Change TGLS = 7-3+4+5+10+11+12+13+14]	
		[Hepatocellular Adenoma TGLS = 1,2,3,4,5,6,9-4+10+11+12+13]	
Mesentery	Fat	Necrosis	Moderate
		[Necrosis TGLS = 8-15]	
* Pancreas		Cytoplasmic Alteration	Minimal
* Spleen		Hematopoietic Cell Proliferation	Minimal

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99023-04
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: beta-Myrcene
CAS Number: 123-35-3

Date Report Requested: 10/16/2014
Time Report Requested: 05:39:03
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 103

TRT#: 5

SEX: Male

DAY ON TEST: 729

DOSE: 0.5 G/KG

DISP: Terminal Sacrifice

HISTO: 0400973

ORGAN AND ACCOUNTABLE SITE STATUS

* Thymus

Atrophy

Minimal

Tooth

Dysplasia

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99023-04
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: beta-Myrcene
CAS Number: 123-35-3

Date Report Requested: 10/16/2014
Time Report Requested: 05:39:03
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 104

TRT#: 5

SEX: Male

DAY ON TEST: 728

DOSE: 0.5 G/KG

DISP: Terminal Sacrifice

HISTO: 0400974

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Bone Marrow	* Brain
* Epididymis	* Eye	* Gallbladder	* Heart
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Lung
* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Nose	* Pancreas
* Parathyroid Gland	* Pituitary Gland	* Preputial Gland	* Prostate
* Seminal Vesicle	* Skin	* Stomach, Forestomach	* Stomach, Glandular
* Testes	* Thymsus	* Thyroid Gland	* Trachea
* Urinary Bladder			

MISSING

* Mammary Gland

OBSERVATIONS

* Adrenal Cortex	Subcapsular	Hyperplasia	Mild
* Esophagus		Inflammation	Mild
Note: Chronic inflammation involves muscularis and surrounds edge of one thyroid gland.			
* Harderian Gland		Hyperplasia	Minimal
* Kidney	Renal Tubule	Hyperplasia	Minimal
		Mineralization	Minimal
		Nephropathy	Minimal
* Liver	Renal Tubule	Vacuolization Cytoplasmic	Minimal
		Angiectasis	Moderate
		Clear Cell Focus	
		Eosinophilic Focus	
		Hepatoblastoma	
		Hepatocellular Adenoma	Multiple
		[Angiectasis TGLS = 6-14]	
		[Hepatoblastoma TGLS = 1-10]	
		[Hepatocellular Adenoma TGLS = 2,3,4,5-10+11+12+13]	
* Salivary Glands		Inflammation	Mild
		[Inflammation TGLS = 7-2]	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99023-04
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: beta-Myrcene
CAS Number: 123-35-3

Date Report Requested: 10/16/2014
Time Report Requested: 05:39:03
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 104

TRT#: 5

SEX: Male

DAY ON TEST: 728

DOSE: 0.5 G/KG

DISP: Terminal Sacrifice

HISTO: 0400974

ORGAN AND ACCOUNTABLE SITE STATUS

* Spleen

Hematopoietic Cell Proliferation

Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99023-04
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: beta-Myrcene
CAS Number: 123-35-3

Date Report Requested: 10/16/2014
Time Report Requested: 05:39:03
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 105

TRT#: 5

SEX: Male

DAY ON TEST: 728

DOSE: 0.5 G/KG

DISP: Terminal Sacrifice

HISTO: 0400975

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Brain	* Esophagus
* Eye	* Gallbladder	* Heart	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Lung	* Lymph Node, Mandibular
* Lymph Node, Mesenteric	* Nose	* Pancreas	* Parathyroid Gland
* Pituitary Gland	* Preputial Gland	* Prostate	* Salivary Glands
* Seminal Vesicle	* Skin	* Spleen	* Stomach, Forestomach
* Stomach, Glandular	* Thyroid Gland	* Trachea	* Urinary Bladder

MISSING

* Mammary Gland

OBSERVATIONS

* Adrenal Cortex	Subcapsular	Hyperplasia	Mild
		Hypertrophy	Mild
* Bone Marrow		Myelofibrosis	Minimal
* Epididymis		Inflammation	Mild
* Harderian Gland		Adenoma	
* Kidney	Renal Tubule	Hyperplasia	Minimal
		Nephropathy	Mild
	Renal Tubule	Vacuolization Cytoplasmic	Minimal
* Liver	Hepatocyte	Hepatocellular Adenoma	
		Hypertrophy	Minimal
		Inflammation	Chronic Active, Minimal
	[Hepatocellular Adenoma TGLS = 1-10]		
* Testes	Interstit Cell	Adenoma	
* Thymus		Atrophy	Mild
Tooth		Dysplasia	
	Pulp	Inflammation	Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99023-04
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: beta-Myrcene
CAS Number: 123-35-3

Date Report Requested: 10/16/2014
Time Report Requested: 05:39:03
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 106

TRT#: 5

SEX: Male

DAY ON TEST: 637

DOSE: 0.5 G/KG

DISP: Moribund Sacrifice

HISTO: 0400976

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Bone Marrow	* Brain
* Epididymis	* Esophagus	* Eye	* Gallbladder
* Harderian Gland	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Nose	* Pancreas
* Parathyroid Gland	* Pituitary Gland	* Salivary Glands	* Seminal Vesicle
* Stomach, Forestomach	* Stomach, Glandular	* Thyroid Gland	* Trachea
* Urinary Bladder			

MISSING

* Mammary Gland

OBSERVATIONS

* Adrenal Cortex	Subcapsular	Hyperplasia	Mild
* Heart		Mineralization	Mild
* Intestine Large, Cecum		Edema	Mild
* Islets, Pancreatic		Hyperplasia	Minimal
* Kidney		Accumulation, Hyaline Droplet	Moderate
		Mineralization	Minimal
		Nephropathy	Minimal
* Liver		Histiocytic Sarcoma	
	[Histiocytic Sarcoma TGLS = 3-3+4+5+11]		
* Lung		Histiocytic Sarcoma	
* Lymph Node, Mandibular		Histiocytic Sarcoma	
		Infiltration Cellular	Plasma Cell, Minimal
* Lymph Node, Mesenteric		Atrophy	Moderate
		Histiocytic Sarcoma	
* Preputial Gland		Inflammation	Moderate
* Prostate		Inflammation	Minimal
* Sem Ves			
	Note: TGL-2 (seminal vesicle mass) had no corresponding lesion (was probably merely dilated with secretion).		
Skeletal Muscle		Histiocytic Sarcoma	
* Skin	Subcut Tiss	Edema	Mild

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99023-04
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: beta-Myrcene
CAS Number: 123-35-3

Date Report Requested: 10/16/2014
Time Report Requested: 05:39:03
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 106	TRT#: 5	SEX: Male	DAY ON TEST: 637
	DOSE: 0.5 G/KG	DISP: Moribund Sacrifice	HISTO: 0400976

ORGAN AND ACCOUNTABLE SITE STATUS

[Edema TGLS = 1-8]			
* Spleen	Lymph Follic	Atrophy Hematopoietic Cell Proliferation	Marked Marked
* Testes	Germinal Epith	Degeneration	Minimal
* Thymus		Atrophy	Marked
Tooth		Dysplasia	

PRIMARY CAUSE OF DEATH	- Liver Histiocytic Sarcoma
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* PROTOCOL REQUIRED TISSUE

Experiment Number: 99023-04
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: beta-Myrcene
CAS Number: 123-35-3

Date Report Requested: 10/16/2014
Time Report Requested: 05:39:03
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 107

TRT#: 5
DOSE: 0.5 G/KG

SEX: Male
DISP: Terminal Sacrifice

DAY ON TEST: 728
HISTO: 0400977

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Bone Marrow	* Brain
* Epididymis	* Esophagus	* Eye	* Gallbladder
* Harderian Gland	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Nose	* Pancreas
* Parathyroid Gland	* Pituitary Gland	* Preputial Gland	* Prostate
* Salivary Glands	* Seminal Vesicle	* Stomach, Forestomach	* Stomach, Glandular
* Testes	* Thyroid Gland	* Trachea	* Urinary Bladder

MISSING

* Mammary Gland * Thymus

OBSERVATIONS

* Adrenal Cortex	Subcapsular	Hyperplasia	Minimal
* Heart		Cardiomyopathy	Minimal
* Kidney		Nephropathy	Mild
* Liver		Eosinophilic Focus	
		Hepatocellular Adenoma	
		Hepatocellular Carcinoma	
		Inflammation	Chronic Active, Minimal
		[Eosinophilic Focus TGLS = 5-13]	
		[Hepatocellular Adenoma TGLS = 7-11]	
		[Hepatocellular Carcinoma TGLS = 4-12]	
* Lung		Hepatocellular Carcinoma	Metastatic (Liver)
	Alveolar Epith	Hyperplasia	Moderate
Mesentery	Fat	Necrosis	Minimal
		[Necrosis TGLS = 2-11]	
* Skin		Ulcer	Marked
		[Ulcer TGLS = 1-10]	
* Spleen		Hematopoietic Cell Proliferation	Marked
		[Hematopoietic Cell Proliferation TGLS = 3-4]	
Tooth		Dysplasia	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99023-04
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: beta-Myrcene
CAS Number: 123-35-3

Date Report Requested: 10/16/2014
Time Report Requested: 05:39:03
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 107

TRT#: 5

SEX: Male

DAY ON TEST: 728

DOSE: 0.5 G/KG

DISP: Terminal Sacrifice

HISTO: 0400977

ORGAN AND ACCOUNTABLE SITE STATUS

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99023-04
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: beta-Myrcene
CAS Number: 123-35-3

Date Report Requested: 10/16/2014
Time Report Requested: 05:39:03
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 108

TRT#: 5

SEX: Male

DAY ON TEST: 730

DOSE: 0.5 G/KG

DISP: Terminal Sacrifice

HISTO: 0400978

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Bone Marrow	* Brain
* Epididymis	* Esophagus	* Eye	* Gallbladder
* Harderian Gland	* Heart	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Lymph Node, Mesenteric	* Nose	* Pancreas	* Parathyroid Gland
* Pituitary Gland	* Preputial Gland	* Salivary Glands	* Seminal Vesicle
* Skin	* Spleen	* Stomach, Glandular	* Testes
* Thyroid Gland	* Trachea	* Urinary Bladder	

MISSING

* Mammary Gland

OBSERVATIONS

* Adrenal Cortex	Subcapsular	Hyperplasia	Mild
* Islets, Pancreatic		Hyperplasia	Minimal
* Kidney	Renal Tubule	Adenoma	
		Infarct	Minimal
		Mineralization	Minimal
		Nephropathy	Minimal
	Renal Tubule	Vacuolization Cytoplasmic	Minimal
[Adenoma TGLS = 6-4]			
* Liver		Clear Cell Focus	
		Eosinophilic Focus	
		Hepatoblastoma	
		Hepatocellular Adenoma	Multiple
		Inflammation	Chronic Active, Minimal
Note: Hepatocellular adenoma also in B05 and B10 (there were two masses in B10).			
[Hepatoblastoma TGLS = 2-11]			
[Hepatocellular Adenoma TGLS = 1,3,4,5 - 4+10+12+13]			
* Lung		Alveolar/Bronchiolar Adenoma	
* Lymph Node, Mandibular		Hyperplasia	Lymphoid, Marked
* Prostate		Inflammation	Minimal

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99023-04
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: beta-Myrcene
CAS Number: 123-35-3

Date Report Requested: 10/16/2014
Time Report Requested: 05:39:03
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 108	TRT#: 5	SEX: Male	DAY ON TEST: 730
	DOSE: 0.5 G/KG	DISP: Terminal Sacrifice	HISTO: 0400978

ORGAN AND ACCOUNTABLE SITE STATUS

* Stomach, Forestomach	Epithelium	Hyperplasia Inflammation	Marked Mild
[Hyperplasia TGLS = 7-5+14]			
* Thymus		Atrophy	Mild
Tooth		Dysplasia	

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99023-04
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: beta-Myrcene
CAS Number: 123-35-3

Date Report Requested: 10/16/2014
Time Report Requested: 05:39:03
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 109

TRT#: 5

SEX: Male

DAY ON TEST: 730

DOSE: 0.5 G/KG

DISP: Terminal Sacrifice

HISTO: 0400979

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Bone	* Bone Marrow	* Brain	* Epididymis
* Esophagus	* Eye	* Gallbladder	* Harderian Gland
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Lymph Node, Mandibular	* Lymph Node, Mesenteric
* Nose	* Pancreas	* Parathyroid Gland	* Pituitary Gland
* Preputial Gland	* Salivary Glands	* Seminal Vesicle	* Skin
* Spleen	* Stomach, Glandular	* Testes	* Thyroid Gland
* Trachea	* Urinary Bladder		

MISSING

* Mammary Gland

OBSERVATIONS

* Adrenal Cortex	Subcapsular	Hyperplasia	Minimal
* Adrenal Medulla		Pheochromocytoma Benign	
	[Pheochromocytoma Benign TGLS = 5-6]		
* Heart		Cardiomyopathy	Minimal
* Islets, Pancreatic		Hyperplasia	Minimal
* Kidney	Renal Tubule	Hyperplasia	Minimal
		Nephropathy	Mild
* Liver		Eosinophilic Focus	
		Hepatocellular Adenoma	Multiple
	Hepatocyte	Hypertrophy	Minimal
		Tension Lipidosis	Mild
	[Hepatocellular Adenoma TGLS = 1,2,3,4 - 4+10+11]		
* Lung		Alveolar/Bronchiolar Adenoma	Multiple
	[Alveolar/Bronchiolar Adenoma TGLS = 6,7 - 12+13]		
* Prostate		Inflammation	Minimal
* Stomach, Forestomach	Epithelium	Hyperplasia	Marked
		Inflammation	Moderate
		Ulcer	Minimal
	[Hyperplasia TGLS = 8-14]		

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99023-04
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: beta-Myrcene
CAS Number: 123-35-3

Date Report Requested: 10/16/2014
Time Report Requested: 05:39:03
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 109	TRT#: 5	SEX: Male	DAY ON TEST: 730
	DOSE: 0.5 G/KG	DISP: Terminal Sacrifice	HISTO: 0400979

ORGAN AND ACCOUNTABLE SITE STATUS

* Thymus	Atrophy	Minimal
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PRIMARY CAUSE OF DEATH	-
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* PROTOCOL REQUIRED TISSUE

Experiment Number: 99023-04
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: beta-Myrcene
CAS Number: 123-35-3

Date Report Requested: 10/16/2014
Time Report Requested: 05:39:03
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 110

TRT#: 5

SEX: Male

DAY ON TEST: 730

DOSE: 0.5 G/KG

DISP: Terminal Sacrifice

HISTO: 0400980

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Bone Marrow	* Brain
* Epididymis	* Esophagus	* Eye	* Gallbladder
* Heart	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Lymph Node, Mandibular	* Nose	* Pancreas	* Pituitary Gland
* Preputial Gland	* Salivary Glands	* Seminal Vesicle	* Skin
* Stomach, Forestomach	* Stomach, Glandular	* Testes	* Thymus
* Thyroid Gland	* Trachea	* Urinary Bladder	

MISSING

* Mammary Gland	* Parathyroid Gland
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OBSERVATIONS

* Adrenal Cortex	Subcapsular	Hyperplasia	Mild
* Harderian Gland		Adenoma	
[Adenoma TGLS = 2-9]			
* Kidney		Mineralization	Minimal
		Nephropathy	Minimal
* Liver		Fatty Change	Minimal
	Hepatocyte	Hypertrophy	Minimal
* Lung		Alveolar/Bronchiolar Adenoma	
[Alveolar/Bronchiolar Adenoma TGLS = 1-10]			
* Lymph Node, Mesenteric		Hyperplasia	Lymphoid, Mild
* Prostate		Inflammation	Minimal
* Spleen		Hematopoietic Cell Proliferation	Minimal

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99023-04
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: beta-Myrcene
CAS Number: 123-35-3

Date Report Requested: 10/16/2014
Time Report Requested: 05:39:03
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 111

TRT#: 5
DOSE: 0.5 G/KG

SEX: Male
DISP: Terminal Sacrifice

DAY ON TEST: 729
HISTO: 0400981

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Bone Marrow	* Epididymis
* Esophagus	* Eye	* Gallbladder	* Harderian Gland
* Heart	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Lymph Node, Mesenteric
* Pancreas	* Parathyroid Gland	* Preputial Gland	* Prostate
* Salivary Glands	* Seminal Vesicle	* Skin	* Stomach, Forestomach
* Stomach, Glandular	* Testes	* Thyroid Gland	* Trachea
* Urinary Bladder			

MISSING

* Mammary Gland

OBSERVATIONS

* Adrenal Cortex	Subcapsular	Hyperplasia	Mild
* Brain	Vein	Infiltration Cellular	Lymphocyte, Minimal
* Islets, Pancreatic		Hyperplasia	Minimal
* Kidney	Renal Tubule	Hyperplasia	Minimal
		Infarct	Mild
		Mineralization	Minimal
		Nephropathy	Minimal
	Renal Tubule	Vacuolization Cytoplasmic	Minimal
* Liver		Clear Cell Focus	
		Eosinophilic Focus	
		Hepatocellular Adenoma	Multiple
		Hepatocellular Carcinoma	Multiple
		Inflammation	Chronic Active, Minimal
		Necrosis	Mild

Note: TGLs 1+2 grossly identified as fat were liver on microscopic examination.

[Hepatocellular Adenoma TGLS = 3,4,5,6 - 4+5+12+13, 7-14]

[Hepatocellular Carcinoma TGLS = 1,2 - 10+11]

[Necrosis TGLS = 8-10]

* Lung		Hepatocellular Carcinoma	Metastatic (Liver)
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* PROTOCOL REQUIRED TISSUE

Experiment Number: 99023-04
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: beta-Myrcene
CAS Number: 123-35-3

Date Report Requested: 10/16/2014
Time Report Requested: 05:39:03
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 111	TRT#: 5	SEX: Male	DAY ON TEST: 729
	DOSE: 0.5 G/KG	DISP: Terminal Sacrifice	HISTO: 0400981

ORGAN AND ACCOUNTABLE SITE STATUS

[Hepatocellular Carcinoma TGLS = 9 - 3+15+16+17]		Thrombosis	Minimal
* Lymph Node, Mandibular		Atrophy	Minimal
* Nose	Olfactory Epi Glands	Degeneration	Minimal
* Pituitary Gland	Pars Intermed	Dilatation	Minimal
* Spleen		Adenoma	
* Thymus		Hematopoietic Cell Proliferation	Mild
Tooth		Atrophy	Mild
		Dysplasia	

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99023-04
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: beta-Myrcene
CAS Number: 123-35-3

Date Report Requested: 10/16/2014
Time Report Requested: 05:39:03
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 112

TRT#: 5
DOSE: 0.5 G/KG

SEX: Male
DISP: Terminal Sacrifice

DAY ON TEST: 729
HISTO: 0400982

ORGAN AND ACCOUNTABLE SITE STATUS

* Spleen	Hematopoietic Cell Proliferation	Mild
* Thymus	Atrophy	Minimal
Tooth	Dysplasia	

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99023-04
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: beta-Myrcene
CAS Number: 123-35-3

Date Report Requested: 10/16/2014
Time Report Requested: 05:39:03
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 113

TRT#: 5

SEX: Male

DAY ON TEST: 730

DOSE: 0.5 G/KG

DISP: Terminal Sacrifice

HISTO: 0400983

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Bone Marrow	* Brain
* Epididymis	* Esophagus	* Eye	* Gallbladder
* Heart	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Lymph Node, Mandibular
* Lymph Node, Mesenteric	* Nose	* Pancreas	* Parathyroid Gland
* Pituitary Gland	* Preputial Gland	* Salivary Glands	* Seminal Vesicle
* Skin	* Stomach, Forestomach	* Stomach, Glandular	* Testes
* Thyroid Gland	* Trachea	* Urinary Bladder	

MISSING

* Mammary Gland

OBSERVATIONS

* Adrenal Cortex	Subcapsular	Hyperplasia	Mild
* Harderian Gland		Adenoma	
* Islets, Pancreatic		Hyperplasia	Minimal
* Kidney		Mineralization	Minimal
		Nephropathy	Minimal
* Liver		Clear Cell Focus	
		Hepatoblastoma	
	Hepatocyte	Hepatocellular Adenoma	Multiple
		Hypertrophy	Mild
		Inflammation	Chronic Active, Minimal
		Necrosis	Mild
<p>Note: Hepatoblastoma is small, arising in a large hepatocellular adenoma. [Hepatoblastoma TGLS = 1-10] [Hepatocellular Adenoma TGLS = 2,3,4,5 - 3+11+12+13]</p>			
* Lung		Alveolar/Bronchiolar Adenoma	Multiple
		[Alveolar/Bronchiolar Adenoma TGLS = 6,7 - 14+15]	
* Prostate		Inflammation	Minimal
* Spleen		Hematopoietic Cell Proliferation	Minimal
* Thymus		Atrophy	Moderate

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99023-04
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: beta-Myrcene
CAS Number: 123-35-3

Date Report Requested: 10/16/2014
Time Report Requested: 05:39:03
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 113

TRT#: 5

SEX: Male

DAY ON TEST: 730

DOSE: 0.5 G/KG

DISP: Terminal Sacrifice

HISTO: 0400983

ORGAN AND ACCOUNTABLE SITE STATUS

Tooth

Dysplasia

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99023-04
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: beta-Myrcene
CAS Number: 123-35-3

Date Report Requested: 10/16/2014
Time Report Requested: 05:39:03
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 114

TRT#: 5

SEX: Male

DAY ON TEST: 730

DOSE: 0.5 G/KG

DISP: Terminal Sacrifice

HISTO: 0400984

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Bone Marrow	* Brain
* Epididymis	* Esophagus	* Eye	* Gallbladder
* Harderian Gland	* Heart	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Lung	* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Nose
* Pancreas	* Parathyroid Gland	* Pituitary Gland	* Preputial Gland
* Prostate	* Salivary Glands	* Seminal Vesicle	* Skin
* Stomach, Forestomach	* Stomach, Glandular	* Testes	* Thyroid Gland
* Trachea	* Urinary Bladder		

MISSING

* Mammary Gland

OBSERVATIONS

* Adrenal Cortex	Subcapsular	Hyperplasia	Mild
* Islets, Pancreatic		Hyperplasia	Minimal
* Kidney		Mineralization	Minimal
		Nephropathy	Minimal
	Renal Tubule	Vacuolization Cytoplasmic	Minimal
* Liver		Eosinophilic Focus	
		Hepatocellular Adenoma	Multiple
		Hepatocellular Carcinoma	Multiple
	Hepatocyte	Hypertrophy	Mild
		Necrosis	Minimal
		[Hepatocellular Adenoma TGLS = 1,2,4 - 10+12]	
		[Hepatocellular Carcinoma TGLS = 3,5 - 11+13]	
* Spleen		Hematopoietic Cell Proliferation	Mild
* Thymus		Atrophy	Moderate

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99023-04
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: beta-Myrcene
CAS Number: 123-35-3

Date Report Requested: 10/16/2014
Time Report Requested: 05:39:03
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 115

TRT#: 5

SEX: Male

DAY ON TEST: 730

DOSE: 0.5 G/KG

DISP: Terminal Sacrifice

HISTO: 0400985

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Bone Marrow	* Brain
* Epididymis	* Esophagus	* Eye	* Gallbladder
* Heart	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Pancreas	* Parathyroid Gland
* Pituitary Gland	* Preputial Gland	* Prostate	* Salivary Glands
* Seminal Vesicle	* Skin	* Stomach, Forestomach	* Stomach, Glandular
* Testes	* Thyroid Gland	* Trachea	* Urinary Bladder

MISSING

* Mammary Gland

OBSERVATIONS

* Adrenal Cortex	Subcapsular	Hyperplasia Hypertrophy	Mild Moderate
* Harderian Gland		Adenoma	
* Kidney		Mineralization Nephropathy	Minimal Minimal
	Renal Tubule	Vacuolization Cytoplasmic	Minimal
* Liver		Clear Cell Focus Fatty Change Hepatocellular Adenoma	Mild Multiple
	Hepatocyte	Hypertrophy Inflammation Mixed Cell Focus	Minimal Chronic Active, Minimal
		[Hepatocellular Adenoma TGLS = 1,3 - 10+11,2-4] [Mixed Cell Focus TGLS = 4-12]	
* Lung		Inflammation	Chronic Active, Minimal
Lymph Node	Inguinal	Infiltration Cellular	Histiocyte, Mild
* Nose	Olfactory Epi	Degeneration	Minimal
* Spleen		Hematopoietic Cell Proliferation	Minimal
* Thymus		Atrophy	Marked

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99023-04
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: beta-Myrcene
CAS Number: 123-35-3

Date Report Requested: 10/16/2014
Time Report Requested: 05:39:03
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 115

TRT#: 5

SEX: Male

DAY ON TEST: 730

DOSE: 0.5 G/KG

DISP: Terminal Sacrifice

HISTO: 0400985

ORGAN AND ACCOUNTABLE SITE STATUS

Tooth

Dysplasia

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99023-04
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: beta-Myrcene
CAS Number: 123-35-3

Date Report Requested: 10/16/2014
Time Report Requested: 05:39:03
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 116

TRT#: 5

SEX: Male

DAY ON TEST: 730

DOSE: 0.5 G/KG

DISP: Terminal Sacrifice

HISTO: 0400986

ORGAN AND ACCOUNTABLE SITE STATUS

[Alveolar/Bronchiolar Carcinoma TGLS = 1-10]

* Spleen	Hematopoietic Cell Proliferation	Mild
* Thymus	Atrophy	Minimal
Tooth	Dysplasia	

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99023-04
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: beta-Myrcene
CAS Number: 123-35-3

Date Report Requested: 10/16/2014
Time Report Requested: 05:39:03
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 117

TRT#: 5

SEX: Male

DAY ON TEST: 729

DOSE: 0.5 G/KG

DISP: Terminal Sacrifice

HISTO: 0400987

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Bone Marrow	* Brain
* Epididymis	* Esophagus	* Eye	* Gallbladder
* Harderian Gland	* Heart	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Lung	* Lymph Node, Mandibular	* Lymph Node, Mesenteric
* Nose	* Pancreas	* Parathyroid Gland	* Pituitary Gland
* Prostate	* Salivary Glands	* Seminal Vesicle	* Skin
* Stomach, Glandular	* Testes	* Thyroid Gland	* Trachea
* Urinary Bladder			

MISSING

* Mammary Gland

OBSERVATIONS

* Adrenal Cortex	Subcapsular	Hyperplasia	Mild
* Kidney	Renal Tubule	Hyperplasia	Minimal
		Mineralization	Minimal
		Nephropathy	Minimal
* Liver		Eosinophilic Focus	
		Hepatocellular Adenoma	Multiple
		Hepatocellular Carcinoma	
		[Hepatocellular Adenoma TGLS = 3,4 - 4+5]	
		[Hepatocellular Carcinoma TGLS = 2-10]	
* Preputial Gland		Ectasia	Minimal
		[Ectasia TGLS = 1-8]	
* Spleen	Lymph Follic	Atrophy	Minimal
		Hematopoietic Cell Proliferation	Moderate
* Stomach, Forestomach	Epithelium	Hyperplasia	Mild
		Ulcer	Mild
		[Hyperplasia TGLS = 5 - 5+11]	
* Thymus		Atrophy	Mild
Tooth		Dysplasia	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99023-04
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: beta-Myrcene
CAS Number: 123-35-3

Date Report Requested: 10/16/2014
Time Report Requested: 05:39:03
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 117

TRT#: 5

SEX: Male

DAY ON TEST: 729

DOSE: 0.5 G/KG

DISP: Terminal Sacrifice

HISTO: 0400987

ORGAN AND ACCOUNTABLE SITE STATUS

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99023-04
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: beta-Myrcene
CAS Number: 123-35-3

Date Report Requested: 10/16/2014
Time Report Requested: 05:39:03
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 118

TRT#: 5

SEX: Male

DAY ON TEST: 729

DOSE: 0.5 G/KG

DISP: Terminal Sacrifice

HISTO: 0400988

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	Blood Vessel	* Bone	* Bone Marrow
* Brain	* Epididymis	* Esophagus	* Eye
* Gallbladder	* Harderian Gland	* Heart	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Lymph Node, Mandibular	* Lymph Node, Mesenteric
* Nose	* Pancreas	* Parathyroid Gland	* Pituitary Gland
* Preputial Gland	* Salivary Glands	* Seminal Vesicle	* Skin
* Stomach, Forestomach	* Stomach, Glandular	* Testes	* Thyroid Gland
* Trachea	* Urinary Bladder		

MISSING

* Mammary Gland

OBSERVATIONS

* Adrenal Cortex	Subcapsular	Hyperplasia	Mild
* Kidney	Renal Tubule	Hyperplasia	Minimal
		Infarct	Minimal
		Mineralization	Minimal
		Nephropathy	Minimal
* Liver	Renal Tubule	Vacuolization Cytoplasmic	Minimal
		Clear Cell Focus	
		Eosinophilic Focus	
		Hemangiosarcoma	
		Hepatocellular Adenoma	Multiple
	Hepatocyte	Hypertrophy	Mild
		[Clear Cell Focus TGLS = 4-4]	
		[Hemangiosarcoma TGLS = 2-3]	
		[Hepatocellular Adenoma TGLS = 1,3 - 10+11]	
* Lung	Mediastinum	Hemangiosarcoma	
* Prostate		Inflammation	Minimal
* Spleen		Hematopoietic Cell Proliferation	Minimal
* Thymus		Atrophy	Minimal

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99023-04
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: beta-Myrcene
CAS Number: 123-35-3

Date Report Requested: 10/16/2014
Time Report Requested: 05:39:03
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 118

TRT#: 5

SEX: Male

DAY ON TEST: 729

DOSE: 0.5 G/KG

DISP: Terminal Sacrifice

HISTO: 0400988

ORGAN AND ACCOUNTABLE SITE STATUS

Tooth

Dysplasia

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99023-04
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: beta-Myrcene
CAS Number: 123-35-3

Date Report Requested: 10/16/2014
Time Report Requested: 05:39:03
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 119

TRT#: 5
DOSE: 0.5 G/KG

SEX: Male
DISP: Terminal Sacrifice

DAY ON TEST: 728
HISTO: 0400989

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Bone Marrow	* Brain
* Epididymis	* Esophagus	* Eye	* Gallbladder
* Harderian Gland	* Heart	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Lung	* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Nose
* Pancreas	* Parathyroid Gland	* Pituitary Gland	* Preputial Gland
* Prostate	* Salivary Glands	* Seminal Vesicle	* Skin
* Stomach, Forestomach	* Stomach, Glandular	* Testes	* Thyroid Gland
* Trachea	* Urinary Bladder		

MISSING

* Mammary Gland

OBSERVATIONS

* Adrenal Cortex	Subcapsular	Hyperplasia	Mild
* Islets, Pancreatic		Hyperplasia	Minimal
* Kidney		Infarct	Minimal
		Mineralization	Minimal
		Nephropathy	Minimal
* Liver	Renal Tubule	Vacuolization Cytoplasmic	Mild
		Clear Cell Focus	
		Hepatocellular Adenoma	Multiple
		Hepatocellular Carcinoma	Multiple
	Hepatocyte	Hypertrophy	Minimal
		Inflammation	Chronic Active, Minimal
		Mixed Cell Focus	
Note: Some of the carcinoma from B11 (TGL-2) is also in B03.			
[Hepatocellular Adenoma TGLS = 3,4 - 3+11]			
[Hepatocellular Carcinoma TGLS = 1,2 - 10+11]			
* Spleen		Hematopoietic Cell Proliferation	Mild
* Thymus		Atrophy	Minimal
Tooth		Dysplasia	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99023-04
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: beta-Myrcene
CAS Number: 123-35-3

Date Report Requested: 10/16/2014
Time Report Requested: 05:39:03
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 119

TRT#: 5

SEX: Male

DAY ON TEST: 728

DOSE: 0.5 G/KG

DISP: Terminal Sacrifice

HISTO: 0400989

ORGAN AND ACCOUNTABLE SITE STATUS

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99023-04
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: beta-Myrcene
CAS Number: 123-35-3

Date Report Requested: 10/16/2014
Time Report Requested: 05:39:03
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 120

TRT#: 5
DOSE: 0.5 G/KG

SEX: Male
DISP: Natural Death

DAY ON TEST: 583
HISTO: 0400990

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Bone Marrow	* Brain
* Epididymis	* Esophagus	* Eye	* Gallbladder
* Harderian Gland	* Heart	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Nose	* Pancreas	* Parathyroid Gland	* Pituitary Gland
* Salivary Glands	* Seminal Vesicle	* Skin	* Stomach, Glandular
* Testes	* Thyroid Gland	* Trachea	* Urinary Bladder

MISSING

* Lymph Node, Mesenteric	* Mammary Gland
--------------------------	-----------------

OBSERVATIONS

* Adrenal Cortex	Subcapsular	Hyperplasia Thrombosis	Minimal Minimal
* Islets, Pancreatic		Hyperplasia	Minimal
* Kidney		Nephropathy	Minimal
* Liver		Clear Cell Focus Hepatocellular Adenoma Hepatocellular Carcinoma	
Note: Hepatocellular carcinoma has infiltrated median lobe and is present in B03 and B05. [Hepatocellular Carcinoma TGLS = 2-10]			
* Lung		Alveolar/Bronchiolar Adenoma Hepatocellular Carcinoma	Metastatic (Liver)
[Alveolar/Bronchiolar Adenoma TGLS = 3-11]			
* Lymph Node, Mandibular		Atrophy	Minimal
* Preputial Gland		Ectasia	Mild
[Ectasia TGLS = 1-8]			
* Prostate		Inflammation	Minimal
* Spleen	Lymph Follic	Atrophy Hematopoietic Cell Proliferation	Moderate Moderate
* Stomach, Forestomach	Epithelium	Hyperplasia	Minimal
* Thymus		Atrophy	Marked

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99023-04
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: beta-Myrcene
CAS Number: 123-35-3

Date Report Requested: 10/16/2014
Time Report Requested: 05:39:03
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 120

TRT#: 5

SEX: Male

DAY ON TEST: 583

DOSE: 0.5 G/KG

DISP: Natural Death

HISTO: 0400990

ORGAN AND ACCOUNTABLE SITE STATUS

Tooth

Dysplasia

PRIMARY CAUSE OF DEATH

- Liver Hepatocellular Carcinoma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99023-04
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: beta-Myrcene
CAS Number: 123-35-3

Date Report Requested: 10/16/2014
Time Report Requested: 05:39:03
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 121

TRT#: 5
DOSE: 0.5 G/KG

SEX: Male
DISP: Terminal Sacrifice

DAY ON TEST: 729
HISTO: 0400991

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Bone Marrow	* Brain
* Esophagus	* Eye	* Gallbladder	* Harderian Gland
* Heart	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Lung	* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Nose
* Pancreas	* Parathyroid Gland	* Pituitary Gland	* Preputial Gland
* Salivary Glands	* Seminal Vesicle	* Skin	* Stomach, Forestomach
* Stomach, Glandular	* Testes	* Thyroid Gland	* Trachea
* Urinary Bladder			

MISSING

* Mammary Gland

OBSERVATIONS

* Adrenal Cortex	Subcapsular	Hyperplasia	Mild
* Epididymis		Inflammation	Mild
* Kidney	Renal Tubule	Hyperplasia	Minimal
		Mineralization	Minimal
		Nephropathy	Minimal
* Liver	Renal Tubule	Vacuolization Cytoplasmic	Minimal
		Clear Cell Focus	
		Eosinophilic Focus	
		Fatty Change	Minimal
		Hepatocellular Adenoma	
	Hepatocyte	Hypertrophy	Mild
	[Hepatocellular Adenoma TGLS = 1-10]		
* Prostate		Inflammation	Minimal
* Spleen		Hematopoietic Cell Proliferation	Minimal
* Thymus		Atrophy	Minimal
Tooth		Dysplasia	

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99023-04
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: beta-Myrcene
CAS Number: 123-35-3

Date Report Requested: 10/16/2014
Time Report Requested: 05:39:03
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 122

TRT#: 5

SEX: Male

DAY ON TEST: 729

DOSE: 0.5 G/KG

DISP: Terminal Sacrifice

HISTO: 0400992

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Bone Marrow	* Brain
* Epididymis	* Esophagus	* Eye	* Gallbladder
* Harderian Gland	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Lung
* Lymph Node, Mandibular	* Nose	* Pancreas	* Parathyroid Gland
* Pituitary Gland	* Preputial Gland	* Salivary Glands	* Skin
* Stomach, Glandular	* Testes	* Thyroid Gland	* Trachea

MISSING

* Mammary Gland

OBSERVATIONS

* Adrenal Cortex	Subcapsular	Hyperplasia	Minimal
		Hypertrophy	Minimal
* Heart		Cardiomyopathy	Minimal
* Islets, Pancreatic		Hyperplasia	Minimal
* Kidney	Pelvis	Inflammation	Mild
		Mineralization	Minimal
		Nephropathy	Mild
* Liver		Eosinophilic Focus	
		Hepatocellular Adenoma	
		Inflammation	Chronic Active, Minimal
		Tension Lipidosis	Minimal

Note: Eosinophilic foci and one adenoma correlate with TGL-4 nodules.

Note: There was no corresponding microscopic finding for TGL-1 (cyst probably burst in trim or processing).

[Eosinophilic Focus TGLS = 4-10]

[Hepatocellular Adenoma TGLS = 4-10]

* Lymph Node, Mesenteric		Atrophy	Minimal
* Prostate		Inflammation	Minimal
* Seminal Vesicle		Inflammation	Moderate
* Spleen		Hematopoietic Cell Proliferation	Mild
* Stomach, Forestomach	Epithelium	Hyperplasia	Moderate

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99023-04
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: beta-Myrcene
CAS Number: 123-35-3

Date Report Requested: 10/16/2014
Time Report Requested: 05:39:03
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 122

TRT#: 5

SEX: Male

DAY ON TEST: 729

DOSE: 0.5 G/KG

DISP: Terminal Sacrifice

HISTO: 0400992

ORGAN AND ACCOUNTABLE SITE STATUS

	Inflammation	Moderate
	Squamous Cell Carcinoma	
[Hyperplasia TGLS = 3-11]		
[Squamous Cell Carcinoma TGLS = 2-11]		
* Thymus	Atrophy	Marked
Tooth	Dysplasia	
* Urinary Bladder	Inflammation	Moderate

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99023-04
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: beta-Myrcene
CAS Number: 123-35-3

Date Report Requested: 10/16/2014
Time Report Requested: 05:39:03
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 123

TRT#: 5

SEX: Male

DAY ON TEST: 660

DOSE: 0.5 G/KG

DISP: Natural Death

HISTO: 0400993

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Bone Marrow	* Brain
* Epididymis	* Esophagus	* Eye	* Gallbladder
* Harderian Gland	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Pancreas	* Parathyroid Gland
* Pituitary Gland	* Preputial Gland	* Prostate	* Salivary Glands
* Seminal Vesicle	* Skin	* Stomach, Forestomach	* Stomach, Glandular
* Testes	* Thyroid Gland	* Trachea	* Urinary Bladder

MISSING

* Mammary Gland

OBSERVATIONS

* Adrenal Cortex	Subcapsular	Hyperplasia	Minimal
* Heart		Mineralization	Mild
* Intestine Small, Jejunum	Peyers Patch	Hyperplasia	Lymphoid, Marked
[Hyperplasia TGLS = 3-10]			
* Islets, Pancreatic		Hyperplasia	Moderate
* Kidney		Infarct	Moderate
		Mineralization	Minimal
	Papilla	Necrosis	Mild
* Liver		Hepatoblastoma	
		Hepatocellular Carcinoma	
		Mineralization	Minimal
		Necrosis	Moderate
[Hepatoblastoma TGLS = 1-10]			
[Hepatocellular Carcinoma TGLS = 2-11]			
* Lung	Glands	Inflammation	Mild
		Inflammation	Suppurative, Mild
Lymph Node	Inguinal	Atrophy	Moderate
* Lymph Node, Mandibular		Atrophy	Mild
* Lymph Node, Mesenteric		Atrophy	Mild
* Nose	Olfactory Epi	Degeneration	Mild

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99023-04
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: beta-Myrcene
CAS Number: 123-35-3

Date Report Requested: 10/16/2014
Time Report Requested: 05:39:03
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 123

TRT#: 5

SEX: Male

DAY ON TEST: 660

DOSE: 0.5 G/KG

DISP: Natural Death

HISTO: 0400993

ORGAN AND ACCOUNTABLE SITE STATUS

		Inflammation	Mild
	Olfactory Epi	Metaplasia	Respiratory, Mild
* Spleen	Lymph Follic	Atrophy	Moderate
		Hematopoietic Cell Proliferation	Marked
* Thymus		Atrophy	Marked
Tooth		Dysplasia	

PRIMARY CAUSE OF DEATH - Liver Hepatocellular Carcinoma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99023-04
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: beta-Myrcene
CAS Number: 123-35-3

Date Report Requested: 10/16/2014
Time Report Requested: 05:39:03
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 124

TRT#: 5

SEX: Male

DAY ON TEST: 730

DOSE: 0.5 G/KG

DISP: Terminal Sacrifice

HISTO: 0400994

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Bone Marrow	* Brain
* Epididymis	* Esophagus	* Eye	* Gallbladder
* Harderian Gland	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Lymph Node, Mandibular
* Nose	* Pancreas	* Parathyroid Gland	* Pituitary Gland
* Preputial Gland	* Salivary Glands	* Seminal Vesicle	* Skin
* Stomach, Forestomach	* Stomach, Glandular	* Testes	* Thyroid Gland
* Trachea	* Urinary Bladder		

MISSING

* Mammary Gland

OBSERVATIONS

* Adrenal Cortex	Subcapsular Zona Fasciata	Hyperplasia Hyperplasia Cardiomyopathy	Mild Minimal Minimal
* Heart		Hyperplasia	Minimal
* Islets, Pancreatic		Infarct	Mild
* Kidney		Nephropathy	Mild
* Liver		Eosinophilic Focus Hepatoblastoma Hepatocellular Adenoma Hepatocellular Carcinoma Inflammation Necrosis	Multiple Chronic Active, Minimal Mild
		[Hepatoblastoma TGLS = 2-11]	
		[Hepatocellular Adenoma TGLS = 3,4,5 - 11+12+13]	
		[Hepatocellular Carcinoma TGLS = 1-10]	
* Lung		Hepatocellular Carcinoma	Metastatic (Liver)
Lymph Node	Mediastinal	Inflammation	Granulomatous, Mild
Note: Cholesterol clefts within granulomas.			
* Lymph Node, Mesenteric		Atrophy	Mild

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99023-04
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: beta-Myrcene
CAS Number: 123-35-3

Date Report Requested: 10/16/2014
Time Report Requested: 05:39:03
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 124

TRT#: 5

SEX: Male

DAY ON TEST: 730

DOSE: 0.5 G/KG

DISP: Terminal Sacrifice

HISTO: 0400994

ORGAN AND ACCOUNTABLE SITE STATUS

* Prostate	Inflammation	Minimal
* Spleen	Hematopoietic Cell Proliferation	Moderate
* Thymus	Atrophy	Marked
Tooth	Dysplasia	

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99023-04
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: beta-Myrcene
CAS Number: 123-35-3

Date Report Requested: 10/16/2014
Time Report Requested: 05:39:03
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 125

TRT#: 5

SEX: Male

DAY ON TEST: 730

DOSE: 0.5 G/KG

DISP: Terminal Sacrifice

HISTO: 0400995

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Bone Marrow	* Brain
* Epididymis	* Esophagus	* Eye	* Gallbladder
* Harderian Gland	* Heart	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Lung	* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Nose
* Pancreas	* Parathyroid Gland	* Pituitary Gland	* Preputial Gland
* Prostate	* Salivary Glands	* Seminal Vesicle	* Skin
* Stomach, Forestomach	* Stomach, Glandular	* Testes	* Thymus
* Thyroid Gland	* Trachea	* Urinary Bladder	

MISSING

* Mammary Gland

OBSERVATIONS

* Adrenal Cortex	Subcapsular	Hyperplasia	Mild
* Islets, Pancreatic		Hyperplasia	Minimal
* Kidney		Mineralization	Minimal
		Nephropathy	Mild
* Liver		Angiectasis	Mild
		Basophilic Focus	
		Clear Cell Focus	
		Eosinophilic Focus	
		Fatty Change	Mild
		Hepatocellular Adenoma	Multiple
		Hepatocellular Carcinoma	
	Hepatocyte	Hypertrophy	Minimal
		Inflammation	Chronic Active, Minimal
Note: Carcinoma from B10 is also in B03.			
[Eosinophilic Focus TGLS = 4-12]			
[Hepatocellular Adenoma TGLS = 2,3,5,6 - 5+11+13]			
[Hepatocellular Carcinoma TGLS = 1-10]			
* Spleen		Hematopoietic Cell Proliferation	Mild

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99023-04
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: beta-Myrcene
CAS Number: 123-35-3

Date Report Requested: 10/16/2014
Time Report Requested: 05:39:03
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 125

TRT#: 5

SEX: Male

DAY ON TEST: 730

DOSE: 0.5 G/KG

DISP: Terminal Sacrifice

HISTO: 0400995

ORGAN AND ACCOUNTABLE SITE STATUS

Tooth

Dysplasia

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99023-04
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: beta-Myrcene
CAS Number: 123-35-3

Date Report Requested: 10/16/2014
Time Report Requested: 05:39:03
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 126

TRT#: 5
DOSE: 0.5 G/KG

SEX: Male
DISP: Natural Death

DAY ON TEST: 549
HISTO: 0400996

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Bone Marrow	* Brain
* Epididymis	* Eye	* Gallbladder	* Harderian Gland
* Heart	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Lymph Node, Mandibular
* Lymph Node, Mesenteric	* Nose	* Pancreas	* Parathyroid Gland
* Pituitary Gland	* Preputial Gland	* Salivary Glands	* Seminal Vesicle
* Skin	* Stomach, Forestomach	* Stomach, Glandular	* Testes
* Thyroid Gland	* Trachea	* Urinary Bladder	

MISSING

* Mammary Gland

AUTO PRECLUDES DIAG.

* Intestine Small, Duodenum

OBSERVATIONS

* Adrenal Cortex		Hypertrophy	Minimal
* Esophagus		Inflammation	Minimal
* Kidney		Nephropathy	Mild
	Renal Tubule	Vacuolization Cytoplasmic	Minimal
* Liver		Basophilic Focus	
		Fatty Change	Minimal
		Hepatocellular Adenoma	Multiple
		Hepatocellular Carcinoma	Multiple
	Hepatocyte	Hypertrophy	Mild
		Inflammation	Chronic Active, Minimal
		Necrosis	Minimal
		Vacuolization Cytoplasmic	Mild
	[Hepatocellular Adenoma TGLS = 2 - 11]		
	[Hepatocellular Carcinoma TGLS = 1-10, 3-12]		
* Lung		Alveolar/Bronchiolar Adenoma	
	[Alveolar/Bronchiolar Adenoma TGLS = 4-13]		
* Prostate		Inflammation	Minimal

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99023-04
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: beta-Myrcene
CAS Number: 123-35-3

Date Report Requested: 10/16/2014
Time Report Requested: 05:39:03
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 126

TRT#: 5
DOSE: 0.5 G/KG

SEX: Male
DISP: Natural Death

DAY ON TEST: 549
HISTO: 0400996

ORGAN AND ACCOUNTABLE SITE STATUS

* Spleen	Lymph Follic	Atrophy	Mild
		Hematopoietic Cell Proliferation	Mild
* Thymus		Atrophy	Marked

PRIMARY CAUSE OF DEATH - Liver Hepatocellular Carcinoma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99023-04
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: beta-Myrcene
CAS Number: 123-35-3

Date Report Requested: 10/16/2014
Time Report Requested: 05:39:03
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 127

TRT#: 5

SEX: Male

DAY ON TEST: 685

DOSE: 0.5 G/KG

DISP: Natural Death

HISTO: 0400997

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Bone Marrow	* Brain
* Esophagus	* Eye	* Gallbladder	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Nose	* Pancreas	* Parathyroid Gland
* Pituitary Gland	* Preputial Gland	* Salivary Glands	* Seminal Vesicle
* Skin	* Stomach, Forestomach	* Stomach, Glandular	* Thyroid Gland
* Trachea	* Urinary Bladder		

MISSING

* Mammary Gland

OBSERVATIONS

* Adrenal Cortex	Subcapsular	Hyperplasia	Mild
* Epididymis		Cyst	Moderate
Note: Cyst is actually a dilatation of the epididymis. [Cyst TGLS = 1-10]			
* Harderian Gland		Hyperplasia	Minimal
* Heart		Cardiomyopathy	Minimal
* Islets, Pancreatic		Hyperplasia	Mild
* Kidney		Mineralization	Mild
		Nephropathy	Minimal
* Liver		Basophilic Focus	
		Eosinophilic Focus	
		Fatty Change	Minimal
		Hepatoblastoma	
		Hepatocellular Adenoma	Multiple
		Hepatocellular Carcinoma	
		Necrosis	Mild

Note: TGL-6 nodules included adenomas and one hepatoblastoma.
[Basophilic Focus TGLS = 2-11]
[Hepatoblastoma TGLS = 6-14]
[Hepatocellular Adenoma TGLS = 3,4,6,7 - 3+5+12+13+14]

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99023-04
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: beta-Myrcene
CAS Number: 123-35-3

Date Report Requested: 10/16/2014
Time Report Requested: 05:39:03
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 127

TRT#: 5

SEX: Male

DAY ON TEST: 685

DOSE: 0.5 G/KG

DISP: Natural Death

HISTO: 0400997

ORGAN AND ACCOUNTABLE SITE STATUS

[Hepatocellular Carcinoma TGLS = 5-13]

* Lung	Alveolar Epith	Hyperplasia	Mild
* Lymph Node, Mandibular		Atrophy	Minimal
* Lymph Node, Mesenteric		Atrophy	Marked
* Prostate		Inflammation	Minimal
* Spleen	Lymph Follic	Atrophy	Moderate
* Testes	Germinal Epith	Degeneration	Mild
	Germinal Epith	Mineralization	Minimal
* Thymus		Atrophy	Marked
Tooth		Dysplasia	

PRIMARY CAUSE OF DEATH - Liver Hepatocellular Adenoma
CONTRIBUTORY CAUSE OF DEATH - Liver Hepatocellular Carcinoma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99023-04
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: beta-Myrcene
CAS Number: 123-35-3

Date Report Requested: 10/16/2014
Time Report Requested: 05:39:03
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 128

TRT#: 5

SEX: Male

DAY ON TEST: 450

DOSE: 0.5 G/KG

DISP: Moribund Sacrifice

HISTO: 0400998

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Bone Marrow	* Brain
* Epididymis	* Esophagus	* Eye	* Gallbladder
* Harderian Gland	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Lymph Node, Mandibular
* Nose	* Pancreas	* Parathyroid Gland	* Pituitary Gland
* Preputial Gland	* Prostate	* Salivary Glands	* Seminal Vesicle
* Skin	* Stomach, Glandular	* Testes	* Thyroid Gland
* Trachea	* Urinary Bladder		

MISSING

* Mammary Gland

OBSERVATIONS

* Adrenal Cortex	Subcapsular	Hyperplasia Hypertrophy	Mild Minimal
* Heart		Hepatocellular Carcinoma	Metastatic (Liver)
Note: There is also tumor in fat adjacent to the aorta (B06). [Hepatocellular Carcinoma TGLS = 4-3]			
* Islets, Pancreatic		Hyperplasia	Minimal
* Kidney	Pelvis	Inflammation	Mild
* Liver	Oval Cell	Hepatocellular Carcinoma Hyperplasia	Mild
Note: TGL-1 (liver mass) was largely necrotic. Viable cells on the edge of the tumor appear intermediate between those of hepatocellular carcinoma and hepatoblastoma. [Hepatocellular Carcinoma TGLS = 1-10]			
* Lung		Alveolar/Bronchiolar Carcinoma Hepatocellular Carcinoma	Metastatic (Liver)
[Hepatocellular Carcinoma TGLS = 3-11]			
Lymph Node	Bronchial	Hepatocellular Carcinoma	Metastatic (Liver)
* Lymph Node, Mesenteric		Atrophy	Mild
Note: TGL-2 grossly identified as lymph node was a metastatic carcinoma in mesentery.			
Mesentery		Hepatocellular Carcinoma	Metastatic (Liver)
Note: On B05 is a piece of fat with tumor, interpreted to be mesenteric fat with metastasis.			

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99023-04
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: beta-Myrcene
CAS Number: 123-35-3

Date Report Requested: 10/16/2014
Time Report Requested: 05:39:03
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 128	TRT#: 5	SEX: Male	DAY ON TEST: 450
	DOSE: 0.5 G/KG	DISP: Moribund Sacrifice	HISTO: 0400998

ORGAN AND ACCOUNTABLE SITE STATUS

[Hepatocellular Carcinoma TGLS = 2-5]			
* Spleen		Hematopoietic Cell Proliferation	Mild
* Stomach, Forestomach	Epithelium	Hyperplasia	Moderate
		Inflammation	Mild
	Epithelium	Metaplasia	Moderate
		Ulcer	Mild
[Hyperplasia TGLS = 5 - 5+12]			
* Thymus		Atrophy	Marked
		Hepatocellular Carcinoma	Metastatic (Liver)

PRIMARY CAUSE OF DEATH - Liver Hepatocellular Carcinoma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99023-04
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: beta-Myrcene
CAS Number: 123-35-3

Date Report Requested: 10/16/2014
Time Report Requested: 05:39:03
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 129

TRT#: 5

SEX: Male

DAY ON TEST: 637

DOSE: 0.5 G/KG

DISP: Moribund Sacrifice

HISTO: 0400999

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Bone Marrow	* Brain
* Epididymis	* Esophagus	* Eye	* Gallbladder
* Harderian Gland	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Lung	* Lymph Node, Mandibular	* Nose	* Pancreas
* Parathyroid Gland	* Pituitary Gland	* Preputial Gland	* Prostate
* Salivary Glands	* Seminal Vesicle	* Skin	* Thyroid Gland
* Trachea	* Urinary Bladder		

MISSING

* Mammary Gland

OBSERVATIONS

* Adrenal Cortex	Subcapsular	Hyperplasia	Minimal
* Heart		Cardiomyopathy	Minimal
* Kidney		Nephropathy	Marked
[Nephropathy TGLS = 2-4]			
* Liver		Eosinophilic Focus	
		Hepatocellular Carcinoma	
	Hepatocyte	Hypertrophy	Minimal
[Hepatocellular Carcinoma TGLS = 1-10]			
* Lymph Node, Mesenteric		Atrophy	Moderate
* Spleen	Lymph Follic	Atrophy	Mild
		Hematopoietic Cell Proliferation	Mild
* Stomach, Forestomach		Inflammation	Mild
		Ulcer	Minimal
* Stomach, Glandular		Necrosis	Minimal
* Testes	Germinal Epith	Degeneration	Marked
* Thymus		Atrophy	Marked

PRIMARY CAUSE OF DEATH - Liver Hepatocellular Carcinoma

CONTRIBUTORY CAUSE OF DEATH - Kidney Nephropathy

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99023-04
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: beta-Myrcene
CAS Number: 123-35-3

Date Report Requested: 10/16/2014
Time Report Requested: 05:39:03
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 130

TRT#: 5

SEX: Male

DAY ON TEST: 729

DOSE: 0.5 G/KG

DISP: Terminal Sacrifice

HISTO: 0401000

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Bone Marrow	* Brain
* Epididymis	* Esophagus	* Eye	* Gallbladder
* Heart	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Lung	* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Nose
* Pancreas	* Parathyroid Gland	* Pituitary Gland	* Preputial Gland
* Prostate	* Salivary Glands	* Seminal Vesicle	* Skin
* Testes	* Thyroid Gland	* Trachea	* Urinary Bladder

MISSING

* Mammary Gland	* Thymus
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OBSERVATIONS

* Adrenal Cortex	Subcapsular	Hyperplasia	Mild
* Harderian Gland		Adenoma	
* Kidney		Mineralization	Minimal
		Nephropathy	Minimal
	Renal Tubule	Vacuolization Cytoplasmic	Minimal
* Liver		Clear Cell Focus	
		Eosinophilic Focus	
		Hepatoblastoma	
		Hepatocellular Adenoma	Multiple
		Hepatocellular Carcinoma	
		Inflammation	Chronic Active, Minimal
<p>Note: Part of the adenocarcinoma in B10 is in B03. [Hepatoblastoma TGLS = 2-11] [Hepatocellular Adenoma TGLS = 3,4,5 - 11+12+13] [Hepatocellular Carcinoma TGLS = 1 - 10]</p>			
* Spleen		Hematopoietic Cell Proliferation	Minimal
* Stomach, Forestomach	Epithelium	Hyperplasia	Mild
		Inflammation	Mild
		Necrosis	Minimal

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99023-04
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: beta-Myrcene
CAS Number: 123-35-3

Date Report Requested: 10/16/2014
Time Report Requested: 05:39:03
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 130

TRT#: 5

SEX: Male

DAY ON TEST: 729

DOSE: 0.5 G/KG

DISP: Terminal Sacrifice

HISTO: 0401000

ORGAN AND ACCOUNTABLE SITE STATUS

* Stomach, Glandular
Tooth

Metaplasia
Dysplasia

Squamous, Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99023-04
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: beta-Myrcene
CAS Number: 123-35-3

Date Report Requested: 10/16/2014
Time Report Requested: 05:39:03
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 131

TRT#: 5
DOSE: 0.5 G/KG

SEX: Male
DISP: Natural Death

DAY ON TEST: 691
HISTO: 0401001

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Brain
* Epididymis	* Esophagus	* Eye	* Gallbladder
* Harderian Gland	* Heart	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Jejunum	* Lymph Node, Mandibular	* Lymph Node, Mesenteric
* Nose	* Pancreas	* Parathyroid Gland	* Pituitary Gland
* Preputial Gland	* Prostate	* Salivary Glands	* Seminal Vesicle
* Skin	* Stomach, Glandular	* Testes	* Thyroid Gland
* Trachea	* Urinary Bladder		

MISSING

* Mammary Gland

AUTO PRECLUDES DIAG.

* Intestine Small, Duodenum	* Intestine Small, Ileum	* Spleen	* Stomach, Forestomach
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OBSERVATIONS

* Bone Marrow	Atrophy	Mild
* Islets, Pancreatic	Hyperplasia	Minimal
* Kidney	Mineralization	Minimal
* Liver	Hepatocellular Carcinoma	Multiple
	Necrosis	Moderate
Note: Part of the carcinoma in B10 is also in B03. [Hepatocellular Carcinoma TGLS = 1-10, 2-11, 3-12, 4-13, 5-14]		
* Lung	Hepatocellular Carcinoma	Metastatic (Liver)
		[Hepatocellular Carcinoma TGLS = 6,7,8 - 11+12+13]
* Thymus	Atrophy	Marked

PRIMARY CAUSE OF DEATH

- Liver Hepatocellular Carcinoma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99023-04
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: beta-Myrcene
CAS Number: 123-35-3

Date Report Requested: 10/16/2014
Time Report Requested: 05:39:03
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 132

TRT#: 5

SEX: Male

DAY ON TEST: 716

DOSE: 0.5 G/KG

DISP: Moribund Sacrifice

HISTO: 0401002

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Brain	* Epididymis
* Eye	* Gallbladder	* Harderian Gland	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Lymph Node, Mesenteric	* Nose
* Pancreas	* Parathyroid Gland	* Pituitary Gland	* Preputial Gland
* Prostate	* Salivary Glands	* Seminal Vesicle	* Stomach, Forestomach
* Stomach, Glandular	* Testes	* Trachea	* Urinary Bladder

MISSING

* Mammary Gland

OBSERVATIONS

* Adrenal Cortex	Subcapsular	Hyperplasia	Mild
		Hypertrophy	Minimal
* Bone Marrow	Myeloid Cell	Hyperplasia	Moderate
* Esophagus		Inflammation	Minimal
* Heart		Cardiomyopathy	Minimal
* Kidney		Nephropathy	Minimal
* Liver		Amyloid Deposition	Moderate
		Basophilic Focus	
		Eosinophilic Focus	
		Hematopoietic Cell Proliferation	Mild
		Hepatoblastoma	
		Hepatocellular Adenoma	Multiple
		Hepatocellular Carcinoma	
	Oval Cell	Hyperplasia	Minimal
Note: Hepatoblastoma (TGL-7) arising in hepatocellular adenoma. [Hepatoblastoma TGLS = 7-15] [Hepatocellular Adenoma TGLS = 3,5,6,8 - 3+5+11+12+13+14+16] [Hepatocellular Carcinoma TGLS = 4-12]			
* Lung		Hematopoietic Cell Proliferation	Mild
	Alveolar Epith	Hyperplasia	Mild

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99023-04
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: beta-Myrcene
CAS Number: 123-35-3

Date Report Requested: 10/16/2014
Time Report Requested: 05:39:03
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 132	TRT#: 5	SEX: Male	DAY ON TEST: 716
	DOSE: 0.5 G/KG	DISP: Moribund Sacrifice	HISTO: 0401002

ORGAN AND ACCOUNTABLE SITE STATUS

* Lymph Node, Mandibular		Atrophy	Mild
* Skin		Inflammation	Moderate
		Ulcer	Marked
	[Ulcer TGLS = 1-10]		
* Spleen		Amyloid Deposition	Minimal
	Lymph Follic	Atrophy	Marked
		Hematopoietic Cell Proliferation	Marked
	[Hematopoietic Cell Proliferation TGLS = 2-4]		
* Thymus		Atrophy	Marked
* Thyroid Gland	C Cell	Hyperplasia	Minimal
Tooth		Dysplasia	

PRIMARY CAUSE OF DEATH - Liver Hepatocellular Adenoma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99023-04
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: beta-Myrcene
CAS Number: 123-35-3

Date Report Requested: 10/16/2014
Time Report Requested: 05:39:03
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 133

TRT#: 5

SEX: Male

DAY ON TEST: 729

DOSE: 0.5 G/KG

DISP: Terminal Sacrifice

HISTO: 0401003

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Bone Marrow	* Brain
* Epididymis	* Esophagus	* Eye	* Gallbladder
* Harderian Gland	* Heart	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Lung	* Lymph Node, Mandibular	* Nose
* Pancreas	* Parathyroid Gland	* Pituitary Gland	* Prostate
* Salivary Glands	* Seminal Vesicle	* Skin	* Stomach, Glandular
* Testes	* Thyroid Gland	* Trachea	* Urinary Bladder

MISSING

* Mammary Gland

OBSERVATIONS

* Adrenal Cortex	Subcapsular	Hyperplasia	Mild
* Kidney		Mineralization	Minimal
		Nephropathy	Minimal
* Liver		Hepatoblastoma	
		Hepatocellular Adenoma	Multiple
		Hepatocellular Carcinoma	
		Inflammation	Chronic Active, Minimal
		Necrosis	Mild
Note: Part of the carcinoma in B13 is also in B03. [Hepatoblastoma TGLS = 1-10] [Hepatocellular Adenoma TGLS = 2-11, 3-12] [Hepatocellular Carcinoma TGLS = 4-13]			
* Lymph Node, Mesenteric		Atrophy	Mild
* Preputial Gland		Inflammation	Marked
* Spleen		Hematopoietic Cell Proliferation	Moderate
* Stomach, Forestomach	Epithelium	Hyperplasia	Mild
		Inflammation	Mild
* Thymus		Atrophy	Moderate
Tooth		Dysplasia	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99023-04
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: beta-Myrcene
CAS Number: 123-35-3

Date Report Requested: 10/16/2014
Time Report Requested: 05:39:03
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 133

TRT#: 5

SEX: Male

DAY ON TEST: 729

DOSE: 0.5 G/KG

DISP: Terminal Sacrifice

HISTO: 0401003

ORGAN AND ACCOUNTABLE SITE STATUS

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99023-04
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: beta-Myrcene
CAS Number: 123-35-3

Date Report Requested: 10/16/2014
Time Report Requested: 05:39:03
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 134

TRT#: 5

SEX: Male

DAY ON TEST: 730

DOSE: 0.5 G/KG

DISP: Terminal Sacrifice

HISTO: 0401004

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Bone Marrow	* Brain
* Epididymis	* Esophagus	* Eye	* Gallbladder
* Harderian Gland	* Heart	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Lung	* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Nose
* Pancreas	* Parathyroid Gland	* Pituitary Gland	* Preputial Gland
* Prostate	* Salivary Glands	* Seminal Vesicle	* Skin
* Testes	* Thyroid Gland	* Trachea	* Urinary Bladder

MISSING

* Mammary Gland

OBSERVATIONS

* Adrenal Cortex	Subcapsular	Hyperplasia	Minimal
* Islets, Pancreatic		Hyperplasia	Minimal
* Kidney		Mineralization	Minimal
		Nephropathy	Minimal
	Renal Tubule	Vacuolization Cytoplasmic	Minimal
* Liver		Clear Cell Focus	
		Fatty Change	Mild
		Hepatocellular Adenoma	Multiple
		Inflammation	Chronic Active, Minimal
		Mixed Cell Focus	
<p>Note: Part of the adenoma in B10 is also in B03. [Hepatocellular Adenoma TGLS = 1,2 - 5+10]</p>			
* Spleen		Hemangiosarcoma	
		Hematopoietic Cell Proliferation	Minimal
* Stomach, Forestomach	Epithelium	Hyperplasia	Mild
		Inflammation	Minimal
* Stomach, Glandular		Hyperplasia	Mild
		Inflammation	Mild
* Thymus		Atrophy	Moderate

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99023-04
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: beta-Myrcene
CAS Number: 123-35-3

Date Report Requested: 10/16/2014
Time Report Requested: 05:39:03
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 134

TRT#: 5

SEX: Male

DAY ON TEST: 730

DOSE: 0.5 G/KG

DISP: Terminal Sacrifice

HISTO: 0401004

ORGAN AND ACCOUNTABLE SITE STATUS

Tooth

Dysplasia

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99023-04
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: beta-Myrcene
CAS Number: 123-35-3

Date Report Requested: 10/16/2014
Time Report Requested: 05:39:03
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 135

TRT#: 5

SEX: Male

DAY ON TEST: 679

DOSE: 0.5 G/KG

DISP: Natural Death

HISTO: 0401005

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Bone Marrow	* Brain
* Epididymis	* Esophagus	* Eye	* Harderian Gland
* Heart	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Lung
* Lymph Node, Mandibular	* Mammary Gland	* Pancreas	* Parathyroid Gland
* Pituitary Gland	* Preputial Gland	* Prostate	* Salivary Glands
* Seminal Vesicle	* Skin	* Spleen	* Stomach, Forestomach
* Stomach, Glandular	* Testes	* Thyroid Gland	* Trachea
* Urinary Bladder			

MISSING

* Gallbladder

OBSERVATIONS

* Adrenal Cortex	Subcapsular	Hyperplasia	Minimal
* Gallbladder			
Note: Gallbladder may have been infiltrated by hepatocellular carcinoma (TGL-1); no remnants are recognizable.			
* Islets, Pancreatic		Hyperplasia	Minimal
* Kidney		Infarct	Minimal
	Renal Tubule	Necrosis	Minimal
[Necrosis TGLS = 3-4]			
* Liver		Basophilic Focus	
		Eosinophilic Focus	
		Hepatocellular Adenoma	Multiple
		Hepatocellular Carcinoma	Multiple
[Hepatocellular Adenoma TGLS = 4,5 - 10+11]			
[Hepatocellular Carcinoma TGLS = 1,2 - 4+10]			
* Lymph Node, Mesenteric		Atrophy	Minimal
* Nose	Olfactory Epi	Degeneration	Minimal
* Thymus		Atrophy	Marked

PRIMARY CAUSE OF DEATH - Liver Hepatocellular Carcinoma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99023-04
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: beta-Myrcene
CAS Number: 123-35-3

Date Report Requested: 10/16/2014
Time Report Requested: 05:39:03
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 136

TRT#: 5

SEX: Male

DAY ON TEST: 728

DOSE: 0.5 G/KG

DISP: Terminal Sacrifice

HISTO: 0401006

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Bone Marrow	* Brain
* Epididymis	* Esophagus	* Eye	* Gallbladder
* Harderian Gland	* Heart	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Lung	* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Nose
* Pancreas	* Parathyroid Gland	* Pituitary Gland	* Preputial Gland
* Salivary Glands	* Seminal Vesicle	* Skin	* Stomach, Glandular
* Testes	* Thyroid Gland	* Trachea	* Urinary Bladder

MISSING

* Mammary Gland

OBSERVATIONS

* Adrenal Cortex	Subcapsular	Hyperplasia	Mild
* Islets, Pancreatic		Hyperplasia	Minimal
* Kidney	Renal Tubule	Hyperplasia	Minimal
		Nephropathy	Minimal
	Renal Tubule	Vacuolization Cytoplasmic	Minimal
* Liver		Clear Cell Focus	
		Fatty Change	Minimal
		Hepatocellular Adenoma	Multiple
		Hepatocellular Carcinoma	
		Inflammation	Chronic Active, Minimal
	[Hepatocellular Adenoma TGLS = 2,3,4 - 11+12+13]		
	[Hepatocellular Carcinoma TGLS = 1-10]		
* Prostate		Inflammation	Minimal
* Spleen		Hematopoietic Cell Proliferation	Mild
* Stomach, Forestomach	Epithelium	Hyperplasia	Minimal
* Thymus		Atrophy	Minimal

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99023-04
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: beta-Myrcene
CAS Number: 123-35-3

Date Report Requested: 10/16/2014
Time Report Requested: 05:39:03
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 137

TRT#: 5

SEX: Male

DAY ON TEST: 728

DOSE: 0.5 G/KG

DISP: Terminal Sacrifice

HISTO: 0401007

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Bone Marrow	* Brain
* Epididymis	* Esophagus	* Eye	* Gallbladder
* Harderian Gland	* Heart	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Lymph Node, Mandibular	* Nose	* Pancreas
* Parathyroid Gland	* Pituitary Gland	* Preputial Gland	* Salivary Glands
* Skin	* Stomach, Glandular	* Thyroid Gland	* Trachea
* Urinary Bladder			

MISSING

* Mammary Gland

OBSERVATIONS

* Adrenal Cortex	Zona Fasciata	Hyperplasia	Minimal
* Eye			
Note: Optic nerves were not present in block or wet tissues.			
* Kidney	Pelvis	Dilatation	Moderate
	Renal Tubule	Hyperplasia	Mild
		Nephropathy	Moderate
Note: Dilatation of renal pelvis secondary to nephropathy. [Dilatation TGLS = 5-4]			
* Liver		Hepatocellular Adenoma	
		Hepatocellular Carcinoma	
[Hepatocellular Adenoma TGLS = 4-5] [Hepatocellular Carcinoma TGLS = 3-10]			
* Lung		Alveolar/Bronchiolar Adenoma	
		Hepatocellular Carcinoma	Metastatic (Liver)
[Hepatocellular Carcinoma TGLS = 6-11]			
* Lymph Node, Mesenteric		Atrophy	Moderate
* Prostate		Atrophy	Mild
[Atrophy TGLS = 1-8]			
* Seminal Vesicle		Atrophy	Moderate

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99023-04
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: beta-Myrcene
CAS Number: 123-35-3

Date Report Requested: 10/16/2014
Time Report Requested: 05:39:03
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 137	TRT#: 5	SEX: Male	DAY ON TEST: 728
	DOSE: 0.5 G/KG	DISP: Terminal Sacrifice	HISTO: 0401007

ORGAN AND ACCOUNTABLE SITE STATUS

[Atrophy TGLS = 2-7]			
* Spleen		Hematopoietic Cell Proliferation	Moderate
* Stomach, Forestomach		Inflammation	Minimal
		Ulcer	Minimal
* Testes	Germinal Epith	Degeneration	Minimal
	Germinal Epith	Mineralization	Minimal
* Thymus		Atrophy	Marked
Tooth		Dysplasia	

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99023-04
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: beta-Myrcene
CAS Number: 123-35-3

Date Report Requested: 10/16/2014
Time Report Requested: 05:39:03
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 138

TRT#: 5
DOSE: 0.5 G/KG

SEX: Male
DISP: Natural Death

DAY ON TEST: 721
HISTO: 0401008

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Brain	* Epididymis
* Esophagus	* Eye	* Gallbladder	* Harderian Gland
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Nose	* Pancreas	* Pituitary Gland
* Preputial Gland	* Salivary Glands	* Seminal Vesicle	* Skin
* Stomach, Glandular	* Testes	* Trachea	

MISSING

* Lymph Node, Mesenteric	* Mammary Gland	* Parathyroid Gland
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AUTO PRECLUDES DIAG.

* Intestine Large, Cecum	* Intestine Small, Ileum	* Spleen	* Urinary Bladder
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OBSERVATIONS

* Adrenal Cortex	Subcapsular	Hyperplasia	Minimal
* Bone Marrow		Pigmentation	Mild
* Eye			
Note: Optic nerves were missing from the block and wet tissues.			
* Heart	Atrium	Thrombosis	Marked
[Thrombosis TGLS = 3-10]			
* Kidney	Renal Tubule	Necrosis	Minimal
* Liver		Hepatocellular Adenoma	
		Necrosis	Minimal
[Hepatocellular Adenoma TGLS = 1-11]			
* Lung		Carcinoma	Metastatic (Thyroid Gland)
[Carcinoma TGLS = 4,5 - 10+11]			
* Lymph Node, Mandibular		Atrophy	Mild
* Prostate		Inflammation	Mild
* Stomach, Forestomach	Epithelium	Hyperplasia	Minimal
		Inflammation	Minimal
		Ulcer	Minimal
* Thymus		Atrophy	Marked
* Thyroid Gland	Follicular Cel	Carcinoma	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99023-04
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: beta-Myrcene
CAS Number: 123-35-3

Date Report Requested: 10/16/2014
Time Report Requested: 05:39:03
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 138

TRT#: 5

SEX: Male

DAY ON TEST: 721

DOSE: 0.5 G/KG

DISP: Natural Death

HISTO: 0401008

ORGAN AND ACCOUNTABLE SITE STATUS

[Carcinoma TGLS = 2-3]

Tooth

Dysplasia

PRIMARY CAUSE OF DEATH

- Thyroid Gland Follicular Cel Carcinoma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99023-04
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: beta-Myrcene
CAS Number: 123-35-3

Date Report Requested: 10/16/2014
Time Report Requested: 05:39:03
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 139

TRT#: 5

SEX: Male

DAY ON TEST: 531

DOSE: 0.5 G/KG

DISP: Natural Death

HISTO: 0401009

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Bone Marrow	* Brain
* Epididymis	* Esophagus	* Eye	* Gallbladder
* Harderian Gland	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Nose
* Pancreas	* Parathyroid Gland	* Pituitary Gland	* Preputial Gland
* Prostate	* Salivary Glands	* Seminal Vesicle	* Skin
* Stomach, Forestomach	* Stomach, Glandular	* Testes	* Thyroid Gland
* Trachea	* Urinary Bladder		

MISSING

* Mammary Gland

OBSERVATIONS

* Adrenal Cortex	Subcapsular	Histiocytic Sarcoma Hyperplasia	Minimal
* Eye			
Note: Optic nerves were not present in block or wet tissues.			
* Heart		Histiocytic Sarcoma	
* Islets, Pancreatic		Hyperplasia	Minimal
* Kidney		Nephropathy	Minimal
* Liver		Fatty Change	Mild
		Hepatocellular Adenoma	
		Histiocytic Sarcoma	
	[Histiocytic Sarcoma TGLS = 1,2 - 3+4+10]		
* Lung		Histiocytic Sarcoma	
* Lymph Node, Mandibular		Atrophy	Mild
* Lymph Node, Mesenteric		Histiocytic Sarcoma	
	[Histiocytic Sarcoma TGLS = 4-5]		
* Spleen		Hematopoietic Cell Proliferation	Mild
		Histiocytic Sarcoma	
	[Histiocytic Sarcoma TGLS = 3-4]		
* Thymus		Atrophy	Marked

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99023-04
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: beta-Myrcene
CAS Number: 123-35-3

Date Report Requested: 10/16/2014
Time Report Requested: 05:39:03
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 139

TRT#: 5

SEX: Male

DAY ON TEST: 531

DOSE: 0.5 G/KG

DISP: Natural Death

HISTO: 0401009

ORGAN AND ACCOUNTABLE SITE STATUS

PRIMARY CAUSE OF DEATH

- Liver Histiocytic Sarcoma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99023-04
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: beta-Myrcene
CAS Number: 123-35-3

Date Report Requested: 10/16/2014
Time Report Requested: 05:39:03
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 140

TRT#: 5

SEX: Male

DAY ON TEST: 729

DOSE: 0.5 G/KG

DISP: Terminal Sacrifice

HISTO: 0401010

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Bone Marrow	* Brain
* Epididymis	* Esophagus	* Eye	* Gallbladder
* Harderian Gland	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Lymph Node, Mesenteric
* Pancreas	* Parathyroid Gland	* Pituitary Gland	* Preputial Gland
* Prostate	* Salivary Glands	* Seminal Vesicle	* Skin
* Stomach, Forestomach	* Stomach, Glandular	* Testes	* Thyroid Gland
* Trachea	* Urinary Bladder		

MISSING

* Mammary Gland

OBSERVATIONS

* Adrenal Cortex	Subcapsular Zona Fasciata	Hyperplasia Hyperplasia	Mild Mild
* Heart		Mineralization	Minimal
* Islets, Pancreatic		Hyperplasia	Moderate
* Kidney	Cortex	Cyst	Minimal
	Renal Tubule	Hepatocellular Carcinoma	Metastatic (Liver)
		Hyperplasia	Minimal
		Nephropathy	Minimal
* Liver		Hepatocellular Adenoma	Multiple
		Hepatocellular Carcinoma	
	[Hepatocellular Adenoma TGLS = 2,3,4 - 11+12+13]		
	[Hepatocellular Carcinoma TGLS = 1-10]		
* Lung		Hepatocellular Carcinoma	Metastatic (Liver)
* Lymph Node, Mandibular		Atrophy	Mild
* Nose	Olfactory Epi	Degeneration	Minimal
* Spleen		Hematopoietic Cell Proliferation	Moderate
* Thymus		Atrophy	Minimal
Tooth		Dysplasia	

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99023-04
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: beta-Myrcene
CAS Number: 123-35-3

Date Report Requested: 10/16/2014
Time Report Requested: 05:39:03
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 140

TRT#: 5

SEX: Male

DAY ON TEST: 729

DOSE: 0.5 G/KG

DISP: Terminal Sacrifice

HISTO: 0401010

ORGAN AND ACCOUNTABLE SITE STATUS

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99023-04
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: beta-Myrcene
CAS Number: 123-35-3

Date Report Requested: 10/16/2014
Time Report Requested: 05:39:03
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 141

TRT#: 5

SEX: Male

DAY ON TEST: 730

DOSE: 0.5 G/KG

DISP: Terminal Sacrifice

HISTO: 0401011

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Brain	* Epididymis
* Esophagus	* Eye	* Gallbladder	* Heart
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Lung	* Lymph Node, Mandibular
* Nose	* Pancreas	* Parathyroid Gland	* Pituitary Gland
* Preputial Gland	* Salivary Glands	* Seminal Vesicle	* Stomach, Forestomach
* Stomach, Glandular	* Testes	* Thyroid Gland	* Trachea
* Urinary Bladder			

MISSING

* Mammary Gland

OBSERVATIONS

* Adrenal Cortex	Subcapsular	Hyperplasia	Minimal
* Bone Marrow	Myeloid Cell	Hyperplasia	Minimal
* Harderian Gland		Adenoma	
* Islets, Pancreatic		Hyperplasia	Mild
		Infiltration Cellular	Mixed Cell, Mild
* Kidney	Cortex	Cyst	Minimal
		Mineralization	Minimal
		Nephropathy	Minimal
* Liver		Eosinophilic Focus	
		Hepatocellular Adenoma	Multiple
		Inflammation	Chronic Active, Minimal
	[Hepatocellular Adenoma TGLS = 3,4 - 11+12]		
* Lymph Node, Mesenteric		Inflammation	Granulomatous, Marked
	[Inflammation TGLS = 5-5]		
* Preputial GI			
	Note: No corresponding lesion for TGL-2, preputial gland discoloration. The degree of inflammation or infiltrate is similar to or less than in most other animals.		
* Prostate		Inflammation	Minimal
* Skin		Inflammation	Moderate
		Ulcer	Marked

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99023-04
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: beta-Myrcene
CAS Number: 123-35-3

Date Report Requested: 10/16/2014
Time Report Requested: 05:39:03
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 141

TRT#: 5
DOSE: 0.5 G/KG

SEX: Male
DISP: Terminal Sacrifice

DAY ON TEST: 730
HISTO: 0401011

ORGAN AND ACCOUNTABLE SITE STATUS

[Ulcer TGLS = 1-10]

* Spleen	Hematopoietic Cell Proliferation	Mild
	Hyperplasia	Lymphoid, Moderate
* Thymus	Atrophy	Mild
Tooth	Dysplasia	

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99023-04
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: beta-Myrcene
CAS Number: 123-35-3

Date Report Requested: 10/16/2014
Time Report Requested: 05:39:03
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 142

TRT#: 5

SEX: Male

DAY ON TEST: 673

DOSE: 0.5 G/KG

DISP: Moribund Sacrifice

HISTO: 0401012

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Bone Marrow	* Brain
* Epididymis	* Esophagus	* Gallbladder	* Heart
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Lymph Node, Mesenteric
* Pancreas	* Parathyroid Gland	* Pituitary Gland	* Preputial Gland
* Salivary Glands	* Seminal Vesicle	* Skin	* Stomach, Glandular
* Testes	* Thyroid Gland	* Trachea	* Urinary Bladder

MISSING

* Mammary Gland

OBSERVATIONS

* Adrenal Cortex	Subcapsular	Hyperplasia	Moderate
* Eye		Fibrosis	Moderate
Note: The eye is phtisic due to pressure from the harderian gland mass. [Fibrosis TGLS = 1-9]			
* Harderian Gland		Carcinoma	
Note: The harderian gland adenocarcinoma is responsible for both the harderian mass (TGL-2) and nasal mass (TGL-3). [Carcinoma TGLS = 2,3 - 1+9]			
* Kidney		Accumulation, Hyaline Droplet	Minimal
		Mineralization	Minimal
		Nephropathy	Minimal
	Renal Tubule	Vacuolization Cytoplasmic	Minimal
* Liver		Hepatocellular Adenoma	Multiple
		Inflammation	Chronic Active, Minimal
		Tension Lipidosis	Mild
[Hepatocellular Adenoma TGLS = 4,5,6 - 10+11+12]			
* Lung		Carcinoma	Metastatic (Harderian Gland)
* Lymph Node, Mandibular		Hyperplasia	Lymphoid, Mild
* Nose		Carcinoma	Metastatic (Harderian Gland)
* Prostate		Inflammation	Minimal
* Spleen	Lymph Follic	Atrophy	Moderate

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99023-04
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: beta-Myrcene
CAS Number: 123-35-3

Date Report Requested: 10/16/2014
Time Report Requested: 05:39:03
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 142	TRT#: 5	SEX: Male	DAY ON TEST: 673
	DOSE: 0.5 G/KG	DISP: Moribund Sacrifice	HISTO: 0401012

ORGAN AND ACCOUNTABLE SITE STATUS

* Stomach, Forestomach	Epithelium	Hemangiosarcoma	
		Hematopoietic Cell Proliferation	Mild
		Hyperplasia	Mild
		Inflammation	Mild
		Ulcer	Mild
	[Hyperplasia TGLS = 7-13]		
* Thymus		Atrophy	Mild
Tooth		Dysplasia	

PRIMARY CAUSE OF DEATH - Harderian Gland Carcinoma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99023-04
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: beta-Myrcene
CAS Number: 123-35-3

Date Report Requested: 10/16/2014
Time Report Requested: 05:39:03
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 143

TRT#: 5
DOSE: 0.5 G/KG

SEX: Male
DISP: Moribund Sacrifice

DAY ON TEST: 708
HISTO: 0401013

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Bone Marrow	* Brain
* Epididymis	* Esophagus	* Eye	* Gallbladder
* Harderian Gland	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Lung	* Nose	* Pancreas	* Parathyroid Gland
* Pituitary Gland	* Preputial Gland	* Prostate	* Salivary Glands
* Seminal Vesicle	* Skin	* Stomach, Forestomach	* Stomach, Glandular
* Thyroid Gland	* Trachea	* Urinary Bladder	

MISSING

* Lymph Node, Mandibular	* Mammary Gland
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OBSERVATIONS

* Adrenal Cortex	Subcapsular	Hyperplasia	Minimal
		Hypertrophy	Minimal
* Heart		Cardiomyopathy	Minimal
		Mineralization	Minimal
	Atrium	Thrombosis	Minimal
* Kidney	Renal Tubule	Hyperplasia	Minimal
		Mineralization	Minimal
	Renal Tubule	Necrosis	Mild
	Renal Tubule	Pigmentation	Hemosiderin, Moderate
* Liver		Fatty Change	Mild
		Hepatoblastoma	
		Hepatocellular Adenoma	
		Hepatocellular Carcinoma	
	Hepatocyte	Hypertrophy	Marked
		Mineralization	Mild
		Necrosis	Moderate
		Vacuolization Cytoplasmic	Moderate

Note: TGL-1 is largely necrotic.
 [Hepatoblastoma TGLS = 1-10]

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99023-04
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: beta-Myrcene
CAS Number: 123-35-3

Date Report Requested: 10/16/2014
Time Report Requested: 05:39:03
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 143	TRT#: 5	SEX: Male	DAY ON TEST: 708
	DOSE: 0.5 G/KG	DISP: Moribund Sacrifice	HISTO: 0401013

ORGAN AND ACCOUNTABLE SITE STATUS

[Hepatocellular Adenoma TGLS = 3 - 12]

[Hepatocellular Carcinoma TGLS = 2-11]

[Hypertrophy TGLS = 4-3]

* Lymph Node, Mesenteric		Atrophy	Marked
* Spleen	Lymph Follic	Atrophy	Marked
		Hematopoietic Cell Proliferation	Marked
* Testes	Germinal Epith	Degeneration	Moderate
* Thymus		Atrophy	Marked
Tooth		Dysplasia	

PRIMARY CAUSE OF DEATH - Liver Necrosis

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99023-04
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: beta-Myrcene
CAS Number: 123-35-3

Date Report Requested: 10/16/2014
Time Report Requested: 05:39:03
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 144

TRT#: 5

SEX: Male

DAY ON TEST: 667

DOSE: 0.5 G/KG

DISP: Natural Death

HISTO: 0401014

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Bone Marrow	* Brain
* Epididymis	* Esophagus	* Eye	* Gallbladder
* Harderian Gland	* Heart	* Intestine Large, Cecum	* Intestine Large, Rectum
* Islets, Pancreatic	* Nose	* Pancreas	* Parathyroid Gland
* Pituitary Gland	* Preputial Gland	* Salivary Glands	* Seminal Vesicle
* Skin	* Spleen	* Stomach, Forestomach	* Stomach, Glandular
* Testes	* Thyroid Gland	* Trachea	* Urinary Bladder

MISSING

* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Mammary Gland
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AUTO PRECLUDES DIAG.

* Intestine Large, Colon	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
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OBSERVATIONS

* Adrenal Cortex	Subcapsular	Hyperplasia Hypertrophy	Mild Minimal
* Eye			
Note: Optic nerves were not present in block or wet tissues.			
* Kidney	Renal Tubule	Mineralization Nephropathy Vacuolization Cytoplasmic Basophilic Focus	Minimal Minimal Minimal
* Liver	Hepatocyte	Hepatocellular Adenoma Hypertrophy Inflammation	Multiple Mild Chronic Active, Mild
[Hepatocellular Adenoma TGLS = 1,2 - 3+10]			
* Lung	Alveolar Epith	Hyperplasia	Marked
* Prostate		Inflammation	Minimal
* Thymus		Atrophy	Minimal
Tooth		Dysplasia	

PRIMARY CAUSE OF DEATH

- UNCERTAIN

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99023-04
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: beta-Myrcene
CAS Number: 123-35-3

Date Report Requested: 10/16/2014
Time Report Requested: 05:39:03
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 145

TRT#: 5

SEX: Male

DAY ON TEST: 730

DOSE: 0.5 G/KG

DISP: Terminal Sacrifice

HISTO: 0401015

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Bone Marrow	* Brain
* Epididymis	* Esophagus	* Eye	* Gallbladder
* Harderian Gland	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Nose	* Pancreas
* Parathyroid Gland	* Pituitary Gland	* Preputial Gland	* Salivary Glands
* Seminal Vesicle	* Skin	* Stomach, Glandular	* Testes
* Trachea	* Urinary Bladder		

MISSING

* Mammary Gland

OBSERVATIONS

* Adrenal Cortex	Subcapsular	Hyperplasia	Minimal
Coagulat GI			
Note: B12 (TGL-3) has both a hepatocellular adenoma and a carcinoma.			
* Heart		Cardiomyopathy	Mild
* Kidney	Cortex	Cyst	Minimal
	Renal Tubule	Hepatocellular Carcinoma	Metastatic (Liver)
		Hyperplasia	Minimal
	Renal Tubule	Nephropathy	Minimal
		Vacuolization Cytoplasmic	Minimal
[Hepatocellular Carcinoma TGLS = 1-10]			
* Liver		Clear Cell Focus	
		Eosinophilic Focus	
		Hepatocellular Adenoma	Multiple
		Hepatocellular Carcinoma	Multiple
		Inflammation	Chronic Active, Minimal
	Hepatocyte	Pigmentation	Hemosiderin, Minimal
[Hepatocellular Adenoma TGLS = 3,4,6 - 12+13+14]			
[Hepatocellular Carcinoma TGLS = 2,3,5 - 11+12+13]			
* Lung		Hepatocellular Carcinoma	Metastatic (Liver)

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99023-04
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: beta-Myrcene
CAS Number: 123-35-3

Date Report Requested: 10/16/2014
Time Report Requested: 05:39:03
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 145	TRT#: 5	SEX: Male	DAY ON TEST: 730
	DOSE: 0.5 G/KG	DISP: Terminal Sacrifice	HISTO: 0401015

ORGAN AND ACCOUNTABLE SITE STATUS

* Prostate		Inflammation	Minimal
* Spleen		Hematopoietic Cell Proliferation	Mild
* Stomach, Forestomach	Epithelium	Hyperplasia	Mild
		Inflammation	Minimal
	[Hyperplasia TGLS = 7-5]		
* Thymus		Atrophy	Marked
* Thyroid Gland	Follicular Cel	Adenoma	

PRIMARY CAUSE OF DEATH

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99023-04
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: beta-Myrcene
CAS Number: 123-35-3

Date Report Requested: 10/16/2014
Time Report Requested: 05:39:03
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 146

TRT#: 5

SEX: Male

DAY ON TEST: 730

DOSE: 0.5 G/KG

DISP: Terminal Sacrifice

HISTO: 0401016

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Bone Marrow	* Brain
* Epididymis	* Esophagus	* Eye	* Gallbladder
* Harderian Gland	* Heart	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Lung	* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Nose
* Pancreas	* Parathyroid Gland	* Pituitary Gland	* Preputial Gland
* Prostate	* Salivary Glands	* Seminal Vesicle	* Skin
* Stomach, Glandular	* Testes	* Thyroid Gland	* Trachea
* Urinary Bladder			

MISSING

* Mammary Gland

OBSERVATIONS

* Adrenal Cortex	Subcapsular	Hyperplasia	Mild
* Eye			
Note: Optic nerves were not present in block or wet tissues.			
* Islets, Pancreatic		Hyperplasia	Minimal
* Kidney		Accumulation, Hyaline Droplet	Minimal
		Mineralization	Minimal
		Nephropathy	Minimal
* Liver		Clear Cell Focus	
		Fatty Change	Minimal
		Hepatocellular Carcinoma	
		Inflammation	Chronic Active, Minimal
[Hepatocellular Carcinoma TGLS = 1-10]			
* Spleen		Hematopoietic Cell Proliferation	Mild
* Stomach, Forestomach	Epithelium	Hyperplasia	Minimal
		Inflammation	Minimal
* Thymus		Atrophy	Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99023-04
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: beta-Myrcene
CAS Number: 123-35-3

Date Report Requested: 10/16/2014
Time Report Requested: 05:39:03
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 147

TRT#: 5
DOSE: 0.5 G/KG

SEX: Male
DISP: Moribund Sacrifice

DAY ON TEST: 586
HISTO: 0401017

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Bone Marrow	* Brain
* Epididymis	* Esophagus	* Gallbladder	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Lymph Node, Mesenteric	* Nose	* Pancreas
* Parathyroid Gland	* Pituitary Gland	* Preputial Gland	* Salivary Glands
* Seminal Vesicle	* Skin	* Stomach, Forestomach	* Stomach, Glandular
* Testes	* Thyroid Gland	* Trachea	* Urinary Bladder

MISSING

* Mammary Gland

OBSERVATIONS

* Adrenal Cortex	Subcapsular	Hyperplasia	Moderate
* Eye		Melanoma Malignant	
	[Melanoma Malignant TGLS = 2-9]		
* Harderian Gland		Carcinoma	
	[Carcinoma TGLS = 1-9]		
* Heart		Cardiomyopathy	Minimal
* Islets, Pancreatic		Hyperplasia	Minimal
* Kidney		Mineralization	Minimal
		Nephropathy	Minimal
	Renal Tubule	Vacuolization Cytoplasmic	Minimal
* Liver		Fatty Change	Minimal
		Hepatocellular Adenoma	
	Hepatocyte	Hypertrophy	Minimal
		Mixed Cell Focus	
		Tension Lipidosis	Minimal
* Lung		Alveolar/Bronchiolar Adenoma	Multiple
		Melanoma Malignant	Metastatic (Eye)
* Lymph Node, Mandibular		Melanoma Malignant	Metastatic (Eye)
* Prostate		Inflammation	Minimal
* Spleen		Hematopoietic Cell Proliferation	Minimal

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99023-04
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: beta-Myrcene
CAS Number: 123-35-3

Date Report Requested: 10/16/2014
Time Report Requested: 05:39:03
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 147	TRT#: 5	SEX: Male	DAY ON TEST: 586
	DOSE: 0.5 G/KG	DISP: Moribund Sacrifice	HISTO: 0401017

ORGAN AND ACCOUNTABLE SITE STATUS

* Thymus	Lymph Follic	Hyperplasia	Mild
Tooth		Atrophy	Mild
		Dysplasia	

PRIMARY CAUSE OF DEATH - Harderian Gland Carcinoma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99023-04
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: beta-Myrcene
CAS Number: 123-35-3

Date Report Requested: 10/16/2014
Time Report Requested: 05:39:03
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 148

TRT#: 5

SEX: Male

DAY ON TEST: 730

DOSE: 0.5 G/KG

DISP: Terminal Sacrifice

HISTO: 0401018

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Bone Marrow	* Brain
* Epididymis	* Esophagus	* Eye	* Gallbladder
* Heart	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Lung	* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Nose
* Pancreas	* Parathyroid Gland	* Pituitary Gland	* Salivary Glands
* Seminal Vesicle	* Skin	* Spleen	* Stomach, Glandular
* Testes	* Thymus	* Thyroid Gland	* Trachea
* Urinary Bladder			

MISSING

* Mammary Gland

OBSERVATIONS

* Adrenal Cortex	Subcapsular	Hyperplasia Hypertrophy Adenoma	Mild Minimal
* Harderian Gland			
* Kidney	Renal Tubule	Hyperplasia Mineralization Nephropathy	Minimal Minimal Minimal
* Liver		Clear Cell Focus Degeneration Fatty Change Hepatocellular Adenoma Mixed Cell Focus	Cystic, Minimal Minimal
	[Hepatocellular Adenoma TGLS = 2-4]		
* Preputial Gland		Ectasia	Mild
	[Ectasia TGLS = 1-8]		
* Prostate		Inflammation	Minimal
* Stomach, Forestomach	Epithelium	Hyperplasia	Minimal
Tooth		Dysplasia	

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99023-04
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: beta-Myrcene
CAS Number: 123-35-3

Date Report Requested: 10/16/2014
Time Report Requested: 05:39:04
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 148

TRT#: 5

SEX: Male

DAY ON TEST: 730

DOSE: 0.5 G/KG

DISP: Terminal Sacrifice

HISTO: 0401018

ORGAN AND ACCOUNTABLE SITE STATUS

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99023-04
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: beta-Myrcene
CAS Number: 123-35-3

Date Report Requested: 10/16/2014
Time Report Requested: 05:39:04
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 149

TRT#: 5

SEX: Male

DAY ON TEST: 729

DOSE: 0.5 G/KG

DISP: Terminal Sacrifice

HISTO: 0401019

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Brain
* Epididymis	* Esophagus	* Eye	* Gallbladder
* Heart	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Lung
* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Nose	* Pancreas
* Parathyroid Gland	* Pituitary Gland	* Prostate	* Salivary Glands
* Seminal Vesicle	* Stomach, Glandular	* Testes	* Thyroid Gland
* Trachea	* Urinary Bladder		

MISSING

* Mammary Gland

OBSERVATIONS

* Bone Marrow	Myeloid Cell	Hyperplasia	Minimal
* Harderian Gland		Adenoma	
[Adenoma TGLS = 2-9]			
* Islets, Pancreatic		Hyperplasia	Minimal
* Kidney	Renal Tubule	Hyperplasia	Minimal
		Nephropathy	Minimal
	Renal Tubule	Vacuolization Cytoplasmic	Minimal
* Liver		Clear Cell Focus	
		Hemangiosarcoma	Multiple
		Hematopoietic Cell Proliferation	Minimal
		Hepatocellular Adenoma	Multiple
		Inflammation	Chronic Active, Minimal
Note: B13, B15, and B16 (TGLs 9, 11,+12, respectively) each had both hepatocellular adenomas and hemangiosarcomas.			
			[Hemangiosarcoma TGLS = 9,10,11,12 - 13+14+15+16]
			[Hepatocellular Adenoma TGLS = 5,6,7,8,9,11,12 - 4+10+11+12+13+15+16,10-14]
Mesentery	Fat	Necrosis	Mild
[Necrosis TGLS = 13-17]			
* Preputial Gland		Ectasia	Moderate
[Ectasia TGLS = 3-8]			

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99023-04
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: beta-Myrcene
CAS Number: 123-35-3

Date Report Requested: 10/16/2014
Time Report Requested: 05:39:04
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 149	TRT#: 5	SEX: Male	DAY ON TEST: 729
	DOSE: 0.5 G/KG	DISP: Terminal Sacrifice	HISTO: 0401019

ORGAN AND ACCOUNTABLE SITE STATUS

* Skin [Squamous Cell Carcinoma TGLS = 1-10]		Squamous Cell Carcinoma	
* Spleen [Infiltration Cellular TGLS = 4-4]		Hematopoietic Cell Proliferation Infiltration Cellular	Mild Histiocyte, Mild
* Stomach, Forestomach	Epithelium	Hyperplasia	Minimal
* Thymus		Atrophy	Minimal
Tooth		Dysplasia	

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99023-04
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: beta-Myrcene
CAS Number: 123-35-3

Date Report Requested: 10/16/2014
Time Report Requested: 05:39:04
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 150

TRT#: 5

SEX: Male

DAY ON TEST: 525

DOSE: 0.5 G/KG

DISP: Natural Death

HISTO: 0401020

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Bone Marrow	* Brain
* Epididymis	* Esophagus	* Eye	* Gallbladder
* Harderian Gland	* Heart	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Lymph Node, Mandibular	* Pancreas	* Parathyroid Gland	* Pituitary Gland
* Preputial Gland	* Prostate	* Salivary Glands	* Seminal Vesicle
* Skin	* Stomach, Glandular	* Testes	* Thyroid Gland
* Trachea	* Urinary Bladder		

MISSING

* Mammary Gland

OBSERVATIONS

* Adrenal Cortex	Subcapsular	Hyperplasia	Minimal
* Islets, Pancreatic		Hyperplasia	Minimal
* Kidney		Nephropathy	Minimal
* Liver		Fatty Change	Moderate
		Hepatocellular Adenoma	
		Hepatocellular Carcinoma	
	Hepatocyte	Hypertrophy	Moderate
		Vacuolization Cytoplasmic	Moderate
Note: Part of the carcinoma in B11 is in B03. [Hepatocellular Adenoma TGLS = 1-4] [Hepatocellular Carcinoma TGLS = 2-11]			
* Lung		Hepatocellular Carcinoma	Metastatic (Liver)
* Lymph Node, Mesenteric		Atrophy	Mild
* Nose	Olfactory Epi	Degeneration	Minimal
* Preputial GI			
Note: One preputial gland was missing from block and wet tissue.			
* Spleen		Hematopoietic Cell Proliferation	Mild
* Stomach, Forestomach		Squamous Cell Papilloma	
		[Squamous Cell Papilloma TGLS = 3-10]	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99023-04
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: beta-Myrcene
CAS Number: 123-35-3

Date Report Requested: 10/16/2014
Time Report Requested: 05:39:04
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 150

TRT#: 5

SEX: Male

DAY ON TEST: 525

DOSE: 0.5 G/KG

DISP: Natural Death

HISTO: 0401020

ORGAN AND ACCOUNTABLE SITE STATUS

* Thymus

Atrophy

Minimal

PRIMARY CAUSE OF DEATH

- Liver Hepatocellular Carcinoma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99023-04
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: beta-Myrcene
CAS Number: 123-35-3

Date Report Requested: 10/16/2014
Time Report Requested: 05:39:04
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 151

TRT#: 7

SEX: Male

DAY ON TEST: 505

DOSE: 1.0 G/KG

DISP: Moribund Sacrifice

HISTO: 0401021

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Brain	* Epididymis
* Eye	* Gallbladder	* Harderian Gland	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Lung	* Lymph Node, Mandibular
* Nose	* Parathyroid Gland	* Pituitary Gland	* Prostate
* Salivary Glands	* Seminal Vesicle	* Skin	* Stomach, Glandular
* Thyroid Gland	* Trachea	* Urinary Bladder	

MISSING

* Lymph Node, Mesenteric	* Mammary Gland
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INSUFFICIENT TISSUE

* Esophagus

OBSERVATIONS

* Adrenal Cortex	Subcapsular	Hyperplasia	Mild
* Bone Marrow		Atrophy	Mild
* Heart		Cardiomyopathy	Minimal
* Kidney	Renal Tubule	Mineralization	Minimal
		Necrosis	Mild
	[Necrosis TGLS = 4-4]		
* Liver	Hepatocyte	Fatty Change	Mild
		Hypertrophy	Marked
		Necrosis	Mild
		Vacuolization Cytoplasmic	Moderate
	[Vacuolization Cytoplasmic TGLS = 3 - 3+4+5]		
* Pancreas		Atrophy	Mild
* Preputial Gland		Ectasia	Mild
	[Ectasia TGLS = 1-8]		
* Spleen	Lymph Follic	Atrophy	Marked
	[Atrophy TGLS = 2-4]		
* Stomach, Forestomach	Epithelium	Hyperplasia	Minimal
		Inflammation	Mild

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99023-04
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: beta-Myrcene
CAS Number: 123-35-3

Date Report Requested: 10/16/2014
Time Report Requested: 05:39:04
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 151

TRT#: 7
DOSE: 1.0 G/KG

SEX: Male
DISP: Moribund Sacrifice

DAY ON TEST: 505
HISTO: 0401021

ORGAN AND ACCOUNTABLE SITE STATUS

* Testes	Germinal Epith	Ulcer	Moderate
* Thymus		Degeneration	Minimal
		Atrophy	Marked

PRIMARY CAUSE OF DEATH - Kidney Renal Tubule Necrosis
CONTRIBUTORY CAUSE OF DEATH - Liver Necrosis

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99023-04
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: beta-Myrcene
CAS Number: 123-35-3

Date Report Requested: 10/16/2014
Time Report Requested: 05:39:04
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 152

TRT#: 7

SEX: Male

DAY ON TEST: 504

DOSE: 1.0 G/KG

DISP: Moribund Sacrifice

HISTO: 0401022

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Brain	* Epididymis
* Eye	* Gallbladder	* Harderian Gland	* Heart
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Lung
* Lymph Node, Mandibular	* Nose	* Pancreas	* Parathyroid Gland
* Pituitary Gland	* Preputial Gland	* Salivary Glands	* Seminal Vesicle
* Skin	* Stomach, Forestomach	* Testes	* Thyroid Gland
* Trachea	* Urinary Bladder		

MISSING

* Mammary Gland

OBSERVATIONS

* Adrenal Cortex	Subcapsular	Hyperplasia	Minimal
* Bone Marrow		Atrophy	Mild
* Esophagus		Inflammation	Minimal
* Kidney	Renal Tubule	Necrosis	Mild
* Liver	Hepatocyte	Fatty Change	Mild
		Hypertrophy	Marked
		Mineralization	Minimal
		Necrosis	Mild
		Vacuolization Cytoplasmic	Mild
[Vacuolization Cytoplasmic TGLS = 2-3+4+5]			
* Lymph Node, Mesenteric		Atrophy	Mild
* Prostate		Inflammation	Minimal
* Spleen	Lymph Follic	Atrophy	Mild
[Atrophy TGLS = 1-4]			
* Stomach, Glandular		Inflammation	Minimal
* Thymus		Atrophy	Marked

PRIMARY CAUSE OF DEATH - Kidney Renal Tubule Necrosis

CONTRIBUTORY CAUSE OF DEATH - Liver Necrosis

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99023-04
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: beta-Myrcene
CAS Number: 123-35-3

Date Report Requested: 10/16/2014
Time Report Requested: 05:39:04
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 153

TRT#: 7

SEX: Male

DAY ON TEST: 504

DOSE: 1.0 G/KG

DISP: Moribund Sacrifice

HISTO: 0401023

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Bone Marrow	* Brain
* Epididymis	* Esophagus	* Eye	* Gallbladder
* Harderian Gland	* Heart	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Nose	* Pancreas	* Parathyroid Gland
* Pituitary Gland	* Preputial Gland	* Prostate	* Salivary Glands
* Seminal Vesicle	* Skin	* Trachea	* Urinary Bladder

MISSING

* Mammary Gland	* Thymus
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OBSERVATIONS

* Adrenal Cortex	Subcapsular	Hyperplasia	Mild
* Kidney	Renal Tubule	Necrosis	Moderate
* Liver		Fatty Change	Minimal
	Hepatocyte	Hepatocellular Carcinoma	
		Hypertrophy	Marked
		Inflammation	Chronic Active, Minimal
		Mineralization	Minimal
		Necrosis	Mild
		Vacuolization Cytoplasmic	Mild
<p>Note: Liver - Hepatocellular Carcinoma with Pulmonary Metastasis [Hepatocellular Carcinoma TGLS = 2-4] [Vacuolization Cytoplasmic TGLS = 3 - 3+4+5]</p>			
* Lung		Hepatocellular Carcinoma	Metastatic (Liver)
* Lymph Node, Mandibular		Atrophy	Minimal
* Lymph Node, Mesenteric		Atrophy	Minimal
* Spleen	Lymph Follic	Atrophy	Marked
		[Atrophy TGLS = 1-4]	
* Stomach, Forestomach	Epithelium	Hyperplasia	Minimal
		Inflammation	Minimal
* Stomach, Glandular		Necrosis	Mild

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99023-04
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: beta-Myrcene
CAS Number: 123-35-3

Date Report Requested: 10/16/2014
Time Report Requested: 05:39:04
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 153

TRT#: 7

SEX: Male

DAY ON TEST: 504

DOSE: 1.0 G/KG

DISP: Moribund Sacrifice

HISTO: 0401023

ORGAN AND ACCOUNTABLE SITE STATUS

* Testes	Germinal Epith	Degeneration	Minimal
* Thyroid Gland	Follicle	Degeneration	Minimal

PRIMARY CAUSE OF DEATH - Kidney Renal Tubule Necrosis

CONTRIBUTORY CAUSE OF DEATH - Liver Necrosis

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99023-04
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: beta-Myrcene
CAS Number: 123-35-3

Date Report Requested: 10/16/2014
Time Report Requested: 05:39:04
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 154

TRT#: 7

SEX: Male

DAY ON TEST: 504

DOSE: 1.0 G/KG

DISP: Moribund Sacrifice

HISTO: 0401024

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Bone Marrow	* Brain
* Epididymis	* Esophagus	* Eye	* Gallbladder
* Harderian Gland	* Heart	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Lung	* Lymph Node, Mesenteric	* Nose
* Pancreas	* Parathyroid Gland	* Preputial Gland	* Prostate
* Salivary Glands	* Seminal Vesicle	* Skin	* Stomach, Glandular
* Thyroid Gland	* Trachea	* Urinary Bladder	

MISSING

* Mammary Gland	* Pituitary Gland
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OBSERVATIONS

* Adrenal Cortex Blood Vessel	Subcapsular	Hyperplasia	Minimal
Note: Aorta is best appreciated in section with thymus.			
* Kidney	Renal Tubule	Necrosis	Mild
* Liver	Hepatocyte	Fatty Change	Minimal
		Hypertrophy	Moderate
		Inflammation	Chronic Active, Minimal
		Necrosis	Minimal
		Tension Lipidosis	Minimal
		Vacuolization Cytoplasmic	Mild
[Vacuolization Cytoplasmic TGLS = 2 - 3+4+5]			
* Lymph Node, Mandibular		Atrophy	Minimal
* Spleen	Lymph Follic	Atrophy	Moderate
[Atrophy TGLS = 1-4]			
* Stomach, Forestomach		Inflammation	Minimal
		Necrosis	Minimal
* Testes	Germinal Epith	Degeneration	Minimal
* Thymus		Atrophy	Marked
Tooth		Dysplasia	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99023-04
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: beta-Myrcene
CAS Number: 123-35-3

Date Report Requested: 10/16/2014
Time Report Requested: 05:39:04
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 154

TRT#: 7

SEX: Male

DAY ON TEST: 504

DOSE: 1.0 G/KG

DISP: Moribund Sacrifice

HISTO: 0401024

ORGAN AND ACCOUNTABLE SITE STATUS

PRIMARY CAUSE OF DEATH

- Kidney Renal Tubule Necrosis

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99023-04
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: beta-Myrcene
CAS Number: 123-35-3

Date Report Requested: 10/16/2014
Time Report Requested: 05:39:04
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 155

TRT#: 7

SEX: Male

DAY ON TEST: 504

DOSE: 1.0 G/KG

DISP: Natural Death

HISTO: 0401025

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Brain
* Epididymis	* Esophagus	* Eye	* Gallbladder
* Harderian Gland	* Heart	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Lung	* Lymph Node, Mandibular	* Nose
* Pancreas	* Parathyroid Gland	* Pituitary Gland	* Preputial Gland
* Prostate	* Salivary Glands	* Seminal Vesicle	* Skin
* Stomach, Glandular	* Testes	* Thyroid Gland	* Trachea
* Urinary Bladder			

MISSING

* Mammary Gland

OBSERVATIONS

* Bone Marrow		Atrophy	Mild
* Kidney	Renal Tubule	Necrosis	Mild
* Liver		Fatty Change	Mild
	Hepatocyte	Hypertrophy	Mild
		Necrosis	Mild
		Vacuolization Cytoplasmic	Mild
[Vacuolization Cytoplasmic TGLS = 1-3+4+5]			
* Lymph Node, Mesenteric		Atrophy	Moderate
* Spleen	Lymph Follic	Atrophy	Moderate
* Stomach, Forestomach		Necrosis	Minimal
* Thymus		Atrophy	Marked

PRIMARY CAUSE OF DEATH - Kidney Renal Tubule Necrosis

CONTRIBUTORY CAUSE OF DEATH - Liver Necrosis

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99023-04
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: beta-Myrcene
CAS Number: 123-35-3

Date Report Requested: 10/16/2014
Time Report Requested: 05:39:04
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 156

TRT#: 7

SEX: Male

DAY ON TEST: 504

DOSE: 1.0 G/KG

DISP: Moribund Sacrifice

HISTO: 0401026

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Bone Marrow	* Brain
* Epididymis	* Esophagus	* Eye	* Gallbladder
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Lung
* Lymph Node, Mandibular	* Nose	* Pancreas	* Parathyroid Gland
* Pituitary Gland	* Preputial Gland	* Prostate	* Salivary Glands
* Seminal Vesicle	* Skin	* Stomach, Glandular	* Testes
* Thyroid Gland	* Trachea	* Urinary Bladder	

MISSING

* Mammary Gland

OBSERVATIONS

* Adrenal Cortex	Subcapsular	Hyperplasia	Minimal
* Harderian Gland		Adenoma	
* Heart		Cardiomyopathy	Minimal
* Kidney	Renal Tubule	Necrosis	Moderate
[Necrosis TGLS = 2-4]			
* Liver	Hepatocyte	Fatty Change	Mild
		Hypertrophy	Moderate
		Mineralization	Minimal
		Necrosis	Mild
		Vacuolization Cytoplasmic	Mild
[Vacuolization Cytoplasmic TGLS = 1 - 3+4+5]			
* Lymph Node, Mesenteric		Atrophy	Minimal
* Spleen	Lymph Follic	Atrophy	Moderate
[Atrophy TGLS = 3-4]			
* Stomach, Forestomach		Inflammation	Minimal
		Ulcer	Mild
* Thymus		Atrophy	Marked

PRIMARY CAUSE OF DEATH - Kidney Renal Tubule Necrosis
CONTRIBUTORY CAUSE OF DEATH - Liver Necrosis

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99023-04
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: beta-Myrcene
CAS Number: 123-35-3

Date Report Requested: 10/16/2014
Time Report Requested: 05:39:04
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 156

TRT#: 7

SEX: Male

DAY ON TEST: 504

DOSE: 1.0 G/KG

DISP: Moribund Sacrifice

HISTO: 0401026

ORGAN AND ACCOUNTABLE SITE STATUS

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99023-04
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: beta-Myrcene
CAS Number: 123-35-3

Date Report Requested: 10/16/2014
Time Report Requested: 05:39:04
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 157

TRT#: 7

SEX: Male

DAY ON TEST: 504

DOSE: 1.0 G/KG

DISP: Moribund Sacrifice

HISTO: 0401027

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Brain	* Epididymis
* Esophagus	* Eye	* Gallbladder	* Harderian Gland
* Heart	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Lung	* Nose	* Pancreas	* Parathyroid Gland
* Pituitary Gland	* Preputial Gland	* Prostate	* Salivary Glands
* Seminal Vesicle	* Skin	* Stomach, Glandular	* Thyroid Gland
* Trachea	* Urinary Bladder		

MISSING

* Mammary Gland

OBSERVATIONS

* Adrenal Cortex	Subcapsular	Hyperplasia	Mild
* Bone Marrow		Atrophy	Mild
* Kidney	Renal Tubule	Necrosis	Marked
* Liver	Hepatocyte	Fatty Change	Minimal
		Hypertrophy	Moderate
		Necrosis	Mild
		Tension Lipidosis	Minimal
		Vacuolization Cytoplasmic	Mild
		[Vacuolization Cytoplasmic TGLS = 1-3+4+5]	
* Lymph Node, Mandibular		Atrophy	Moderate
* Lymph Node, Mesenteric		Atrophy	Moderate
* Spleen	Lymph Follic	Atrophy	Marked
		[Atrophy TGLS = 2-4]	
* Stomach, Forestomach	Epithelium	Hyperplasia	Minimal
		Inflammation	Minimal
* Testes	Germinal Epith	Degeneration	Minimal
* Thymus		Atrophy	Marked
		Necrosis	Moderate

Note: There is thrombosis of vessels in the mediastinum.

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99023-04
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: beta-Myrcene
CAS Number: 123-35-3

Date Report Requested: 10/16/2014
Time Report Requested: 05:39:04
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 157

TRT#: 7

SEX: Male

DAY ON TEST: 504

DOSE: 1.0 G/KG

DISP: Moribund Sacrifice

HISTO: 0401027

ORGAN AND ACCOUNTABLE SITE STATUS

[Atrophy TGLS = 3-6]

PRIMARY CAUSE OF DEATH

- Kidney Renal Tubule Necrosis

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99023-04
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: beta-Myrcene
CAS Number: 123-35-3

Date Report Requested: 10/16/2014
Time Report Requested: 05:39:04
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 158

TRT#: 7

SEX: Male

DAY ON TEST: 729

DOSE: 1.0 G/KG

DISP: Terminal Sacrifice

HISTO: 0401028

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Bone Marrow	* Brain
* Epididymis	* Esophagus	* Eye	* Gallbladder
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Nose
* Pancreas	* Parathyroid Gland	* Pituitary Gland	* Preputial Gland
* Prostate	* Salivary Glands	* Seminal Vesicle	* Skin
* Stomach, Glandular	* Thyroid Gland	* Trachea	* Urinary Bladder

MISSING

* Mammary Gland

OBSERVATIONS

* Adrenal Cortex	Subcapsular	Hyperplasia	Minimal
* Harderian Gland		Adenoma	
[Adenoma TGLS = 3-9]			
* Heart		Cardiomyopathy	Minimal
* Kidney		Nephropathy	Moderate
* Liver		Hepatocellular Carcinoma	
[Hepatocellular Carcinoma TGLS = 1 - 4+10]			
* Lung		Hepatocellular Carcinoma	Metastatic (Liver)
		Thrombosis	Minimal
* Lymph Node, Mandibular		Atrophy	Mild
* Lymph Node, Mesenteric		Atrophy	Moderate
* Spleen		Hematopoietic Cell Proliferation	Mild
* Stomach, Forestomach	Epithelium	Hyperplasia	Moderate
		Inflammation	Mild
		Ulcer	Mild
[Hyperplasia TGLS = 2-11]			
* Testes	Germinal Epith	Degeneration	Mild
* Thymus		Atrophy	Moderate

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99023-04
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: beta-Myrcene
CAS Number: 123-35-3

Date Report Requested: 10/16/2014
Time Report Requested: 05:39:04
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 159

TRT#: 7

SEX: Male

DAY ON TEST: 542

DOSE: 1.0 G/KG

DISP: Natural Death

HISTO: 0401029

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Brain	* Epididymis
* Eye	* Gallbladder	* Harderian Gland	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Kidney	* Lung
* Nose	* Parathyroid Gland	* Pituitary Gland	* Preputial Gland
* Prostate	* Salivary Glands	* Seminal Vesicle	* Skin
* Stomach, Glandular	* Testes	* Thyroid Gland	* Trachea
* Urinary Bladder			

MISSING

* Mammary Gland

OBSERVATIONS

* Adrenal Cortex	Subcapsular	Hyperplasia	Mild
* Bone Marrow		Atrophy	Marked
* Esophagus		Inflammation	Mild
* Harderian GI			
Note: No corresponding lesion was found for the gross finding of harderian gland enlargement (TGL-1).			
* Heart		Mineralization	Minimal
* Liver		Clear Cell Focus	
		Fatty Change	Minimal
	Hepatocyte	Hypertrophy	Moderate
		Tension Lipidosis	Moderate
		Vacuolization Cytoplasmic	Moderate
* Lymph Node, Mandibular		Atrophy	Mild
* Lymph Node, Mesenteric		Atrophy	Marked
* Pancreas		Atrophy	Minimal
* Spleen	Lymph Follic	Atrophy	Marked
[Atrophy TGLS = 2-4]			
* Stomach, Forestomach	Epithelium	Hyperplasia	Mild
		Inflammation	Mild
		Ulcer	Mild

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99023-04
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: beta-Myrcene
CAS Number: 123-35-3

Date Report Requested: 10/16/2014
Time Report Requested: 05:39:04
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 159

TRT#: 7

SEX: Male

DAY ON TEST: 542

DOSE: 1.0 G/KG

DISP: Natural Death

HISTO: 0401029

ORGAN AND ACCOUNTABLE SITE STATUS

* Thymus

Atrophy

Marked

PRIMARY CAUSE OF DEATH

- Liver Vacuolization Cytoplasmic

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99023-04
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: beta-Myrcene
CAS Number: 123-35-3

Date Report Requested: 10/16/2014
Time Report Requested: 05:39:04
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 160

TRT#: 7

SEX: Male

DAY ON TEST: 729

DOSE: 1.0 G/KG

DISP: Terminal Sacrifice

HISTO: 0401030

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Bone Marrow	* Brain
* Epididymis	* Esophagus	* Eye	* Gallbladder
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Lung	* Lymph Node, Mandibular
* Lymph Node, Mesenteric	* Nose	* Pancreas	* Parathyroid Gland
* Pituitary Gland	* Preputial Gland	* Salivary Glands	* Seminal Vesicle
* Skin	* Spleen	* Testes	* Thyroid Gland
* Trachea	* Urinary Bladder		

MISSING

* Mammary Gland

OBSERVATIONS

* Adrenal Cortex	Subcapsular	Hyperplasia	Mild
* Harderian Gland		Carcinoma	
[Carcinoma TGLS = 1-9]			
* Heart		Cardiomyopathy	Minimal
* Islets, Pancreatic		Hyperplasia	Minimal
* Kidney		Nephropathy	Minimal
* Liver		Eosinophilic Focus	
[Hepatocellular Adenoma TGLS = 3-10]			
* Prostate		Inflammation	Minimal
* Spleen			
Note: No microscopic correlate was found for TGL-2, small spleen.			
* Stomach, Forestomach	Epithelium	Hyperplasia	Moderate
[Hyperplasia TGLS = 4-11]			
* Stomach, Glandular		Hyperplasia	Minimal
* Thymus		Atrophy	Mild
Tooth		Dysplasia	

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99023-04
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: beta-Myrcene
CAS Number: 123-35-3

Date Report Requested: 10/16/2014
Time Report Requested: 05:39:04
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 160

TRT#: 7

SEX: Male

DAY ON TEST: 729

DOSE: 1.0 G/KG

DISP: Terminal Sacrifice

HISTO: 0401030

ORGAN AND ACCOUNTABLE SITE STATUS

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99023-04
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: beta-Myrcene
CAS Number: 123-35-3

Date Report Requested: 10/16/2014
Time Report Requested: 05:39:04
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 161

TRT#: 7

SEX: Male

DAY ON TEST: 730

DOSE: 1.0 G/KG

DISP: Terminal Sacrifice

HISTO: 0401031

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Bone Marrow	* Brain
* Epididymis	* Esophagus	* Eye	* Gallbladder
* Harderian Gland	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Lung	* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Nose
* Pancreas	* Parathyroid Gland	* Pituitary Gland	* Preputial Gland
* Prostate	* Salivary Glands	* Seminal Vesicle	* Skin
* Spleen	* Stomach, Glandular	* Testes	* Thyroid Gland
* Trachea	* Urinary Bladder		

MISSING

* Mammary Gland

OBSERVATIONS

* Adrenal Cortex	Subcapsular	Hyperplasia	Mild
* Heart		Cardiomyopathy	Minimal
* Kidney		Mineralization	Minimal
		Nephropathy	Minimal
* Liver		Eosinophilic Focus	
		Inflammation	Chronic Active, Minimal
* Stomach, Forestomach	Epithelium	Hyperplasia	Moderate
		Inflammation	Mild
		Ulcer	Mild
[Hyperplasia TGLS = 1-10]			
* Thymus		Atrophy	Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99023-04
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: beta-Myrcene
CAS Number: 123-35-3

Date Report Requested: 10/16/2014
Time Report Requested: 05:39:04
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 162

TRT#: 7

SEX: Male

DAY ON TEST: 729

DOSE: 1.0 G/KG

DISP: Terminal Sacrifice

HISTO: 0401032

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Bone Marrow	* Brain
* Epididymis	* Esophagus	* Eye	* Gallbladder
* Harderian Gland	* Heart	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Lung	* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Nose
* Pancreas	* Parathyroid Gland	* Pituitary Gland	* Preputial Gland
* Prostate	* Salivary Glands	* Seminal Vesicle	* Skin
* Stomach, Glandular	* Testes	* Trachea	* Urinary Bladder

MISSING

* Mammary Gland

OBSERVATIONS

* Adrenal Cortex	Subcapsular	Hyperplasia	Mild
* Islets, Pancreatic		Hyperplasia	Minimal
* Kidney		Nephropathy	Minimal
* Liver		Eosinophilic Focus	
		Hepatocellular Carcinoma	
	Hepatocyte	Hypertrophy	Mild
		Inflammation	Chronic Active, Minimal
		Mineralization	Minimal
		Pigmentation	Hemosiderin, Minimal

Note: The liver mass (TGL-1), which was pedunculated, is necrotic due to torsion.
 [Hepatocellular Carcinoma TGLS = 1-10]

* Spleen	Lymph Follic	Atrophy	Mild
* Stomach, Forestomach	Epithelium	Hyperplasia	Mild
* Thymus		Atrophy	Mild
* Thyroid Gland	Follicular Cel	Hyperplasia	Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99023-04
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: beta-Myrcene
CAS Number: 123-35-3

Date Report Requested: 10/16/2014
Time Report Requested: 05:39:04
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 163

TRT#: 7

SEX: Male

DAY ON TEST: 728

DOSE: 1.0 G/KG

DISP: Terminal Sacrifice

HISTO: 0401033

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Bone Marrow	* Brain
* Epididymis	* Esophagus	* Eye	* Gallbladder
* Harderian Gland	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Nose	* Pancreas
* Parathyroid Gland	* Pituitary Gland	* Preputial Gland	* Salivary Glands
* Seminal Vesicle	* Skin	* Stomach, Forestomach	* Stomach, Glandular
* Testes	* Trachea	* Urinary Bladder	

MISSING

* Mammary Gland

OBSERVATIONS

* Adrenal Cortex	Subcapsular	Hyperplasia	Minimal
* Heart		Cardiomyopathy	Minimal
* Kidney	Renal Tubule	Hyperplasia	Minimal
		Nephropathy	Minimal
* Liver	Hepatocyte	Hypertrophy	Mild
* Lung		Alveolar/Bronchiolar Adenoma	
* Prostate		Inflammation	Minimal
* Spleen	Lymph Follic	Atrophy	Mild
		Infiltration Cellular	Histiocyte, Mild
* Thymus		Atrophy	Minimal
* Thyroid Gland	Follicle	Degeneration	Minimal
Tooth		Dysplasia	

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99023-04
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: beta-Myrcene
CAS Number: 123-35-3

Date Report Requested: 10/16/2014
Time Report Requested: 05:39:04
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 164

TRT#: 7

SEX: Male

DAY ON TEST: 729

DOSE: 1.0 G/KG

DISP: Terminal Sacrifice

HISTO: 0401034

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Bone Marrow	* Brain
* Epididymis	* Esophagus	* Eye	* Gallbladder
* Harderian Gland	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Lymph Node, Mandibular
* Lymph Node, Mesenteric	* Nose	* Pancreas	* Parathyroid Gland
* Pituitary Gland	* Preputial Gland	* Salivary Glands	* Seminal Vesicle
* Skin	* Spleen	* Stomach, Glandular	* Testes
* Thyroid Gland	* Trachea	* Urinary Bladder	

MISSING

* Mammary Gland * Thymus

OBSERVATIONS

* Adrenal Cortex	Subcapsular	Hyperplasia	Mild
* Heart		Cardiomyopathy	Minimal
* Islets, Pancreatic		Hyperplasia	Minimal
* Kidney	Renal Tubule	Hyperplasia	Minimal
		Nephropathy	Minimal
* Liver		Eosinophilic Focus	
		Fatty Change	Minimal
	Hepatocyte	Hypertrophy	Mild
* Lung		Alveolar/Bronchiolar Adenoma	
* Prostate		Inflammation	Minimal
* Stomach, Forestomach	Epithelium	Hyperplasia	Minimal
Tooth		Dysplasia	

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99023-04
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: beta-Myrcene
CAS Number: 123-35-3

Date Report Requested: 10/16/2014
Time Report Requested: 05:39:04
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 165

TRT#: 7

SEX: Male

DAY ON TEST: 323

DOSE: 1.0 G/KG

DISP: Moribund Sacrifice

HISTO: 0401035

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Brain
* Epididymis	* Esophagus	* Eye	* Gallbladder
* Harderian Gland	* Heart	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Lung
* Pancreas	* Parathyroid Gland	* Pituitary Gland	* Preputial Gland
* Prostate	* Salivary Glands	* Seminal Vesicle	* Skin
* Stomach, Glandular	* Testes	* Thyroid Gland	* Trachea
* Urinary Bladder			

MISSING

* Mammary Gland

OBSERVATIONS

* Bone Marrow		Atrophy	Mild
* Intestine Small, Duodenum		Necrosis	Mild
* Islets, Pancreatic		Hyperplasia	Minimal
* Kidney	Papilla	Inflammation	Mild
		Mineralization	Mild
	Renal Tubule	Necrosis	Mild
		Nephropathy	Minimal
* Liver		Abscess	
		Fatty Change	Minimal
		Mineralization	Minimal
		Necrosis	Minimal
		Vacuolization Cytoplasmic	Moderate
[Abscess TGLS = 1-10]			
* Lymph Node, Mandibular		Atrophy	Mild
* Lymph Node, Mesenteric		Atrophy	Marked
* Nose	Olfactory Epi	Degeneration	Minimal
		Inflammation	Mild
* Spleen	Lymph Follic	Atrophy	Marked
* Stomach, Forestomach	Epithelium	Hyperplasia	Mild

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99023-04
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: beta-Myrcene
CAS Number: 123-35-3

Date Report Requested: 10/16/2014
Time Report Requested: 05:39:04
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 165

TRT#: 7

SEX: Male

DAY ON TEST: 323

DOSE: 1.0 G/KG

DISP: Moribund Sacrifice

HISTO: 0401035

ORGAN AND ACCOUNTABLE SITE STATUS

* Thymus

Atrophy

Marked

PRIMARY CAUSE OF DEATH

- Kidney Renal Tubule Necrosis

CONTRIBUTORY CAUSE OF DEATH

- Liver Abscess

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99023-04
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: beta-Myrcene
CAS Number: 123-35-3

Date Report Requested: 10/16/2014
Time Report Requested: 05:39:04
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 166

TRT#: 7

SEX: Male

DAY ON TEST: 730

DOSE: 1.0 G/KG

DISP: Terminal Sacrifice

HISTO: 0401036

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Bone Marrow	* Brain
* Epididymis	* Esophagus	* Eye	* Gallbladder
* Harderian Gland	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Lymph Node, Mandibular
* Lymph Node, Mesenteric	* Nose	* Pancreas	* Parathyroid Gland
* Pituitary Gland	* Salivary Glands	* Seminal Vesicle	* Skin
* Stomach, Glandular	* Testes	* Thymus	* Thyroid Gland
* Trachea	* Urinary Bladder		

MISSING

* Mammary Gland

OBSERVATIONS

* Adrenal Cortex	Subcapsular	Hyperplasia	Mild
* Heart		Cardiomyopathy	Minimal
* Islets, Pancreatic		Hyperplasia	Minimal
* Kidney	Renal Tubule	Hyperplasia	Mild
		Nephropathy	Mild
* Liver		Eosinophilic Focus	
		Hepatocellular Carcinoma	
		Inflammation	Chronic Active, Minimal
	[Hepatocellular Carcinoma TGLS = 3-11]		
* Lung		Hepatocellular Carcinoma	Metastatic (Liver)
	Alveolar Epith	Hyperplasia	Mild
Mesentery	Fat	Necrosis	Mild
	[Necrosis TGLS = 1-10]		
* Preputial Gland		Inflammation	Mild
	[Inflammation TGLS = 2-8]		
* Prostate		Inflammation	Minimal
* Spleen	Lymph Follic	Atrophy	Minimal
		Hematopoietic Cell Proliferation	Moderate
* Stomach, Forestomach	Epithelium	Hyperplasia	Moderate

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99023-04
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: beta-Myrcene
CAS Number: 123-35-3

Date Report Requested: 10/16/2014
Time Report Requested: 05:39:04
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 166

TRT#: 7

SEX: Male

DAY ON TEST: 730

DOSE: 1.0 G/KG

DISP: Terminal Sacrifice

HISTO: 0401036

ORGAN AND ACCOUNTABLE SITE STATUS

Inflammation

Mild

[Hyperplasia TGLS = 4-12]

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99023-04
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: beta-Myrcene
CAS Number: 123-35-3

Date Report Requested: 10/16/2014
Time Report Requested: 05:39:04
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 167

TRT#: 7

SEX: Male

DAY ON TEST: 324

DOSE: 1.0 G/KG

DISP: Natural Death

HISTO: 0401037

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	Blood Vessel	* Bone	* Brain
* Epididymis	* Esophagus	* Eye	* Gallbladder
* Harderian Gland	* Heart	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Lung	* Nose	* Pancreas	* Pituitary Gland
* Preputial Gland	* Prostate	* Salivary Glands	* Seminal Vesicle
* Skin	* Stomach, Forestomach	* Stomach, Glandular	* Thyroid Gland
* Trachea	* Urinary Bladder		

MISSING

* Mammary Gland	* Parathyroid Gland
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OBSERVATIONS

* Adrenal Cortex	Subcapsular	Hyperplasia	Minimal
* Bone Marrow		Atrophy	Mild
* Islets, Pancreatic		Hyperplasia	Minimal
* Kidney	Renal Tubule	Necrosis	Mild
* Liver		Fatty Change	Mild
	Hepatocyte	Hypertrophy	Mild
		Necrosis	Mild
		Tension Lipidosis	Minimal
		Vacuolization Cytoplasmic	Mild
* Lymph Node, Mandibular		Atrophy	Mild
* Lymph Node, Mesenteric		Atrophy	Moderate
* Spleen	Lymph Follic	Atrophy	Marked
* Testes	Germinal Epith	Degeneration	Minimal
* Thymus		Atrophy	Marked

PRIMARY CAUSE OF DEATH

- Kidney Renal Tubule Necrosis

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99023-04
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: beta-Myrcene
CAS Number: 123-35-3

Date Report Requested: 10/16/2014
Time Report Requested: 05:39:04
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 168

TRT#: 7

SEX: Male

DAY ON TEST: 730

DOSE: 1.0 G/KG

DISP: Terminal Sacrifice

HISTO: 0401038

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Brain	* Epididymis
* Esophagus	* Eye	* Gallbladder	* Harderian Gland
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Lymph Node, Mandibular
* Lymph Node, Mesenteric	* Nose	* Pancreas	* Parathyroid Gland
* Pituitary Gland	* Preputial Gland	* Prostate	* Salivary Glands
* Seminal Vesicle	* Skin	* Spleen	* Stomach, Glandular
* Testes	* Thyroid Gland	* Trachea	* Urinary Bladder

MISSING

* Mammary Gland

OBSERVATIONS

* Adrenal Cortex	Subcapsular Zona Fasciata	Hyperplasia Hyperplasia	Mild Minimal
* Bone Marrow		Myelofibrosis	Minimal
* Eye			
Note: Optic nerve missing from block and wet tissue.			
* Heart		Cardiomyopathy	Minimal
* Kidney	Renal Tubule	Hyperplasia Mineralization Nephropathy	Minimal Minimal Minimal
* Liver		Eosinophilic Focus Fatty Change Hepatocellular Adenoma Hypertrophy	Minimal Minimal Moderate
[Hepatocellular Adenoma TGLS = 1-4]			
* Lung		Alveolar/Bronchiolar Adenoma	
* Stomach, Forestomach	Epithelium	Hyperplasia	Mild
* Thymus		Atrophy	Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99023-04
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: beta-Myrcene
CAS Number: 123-35-3

Date Report Requested: 10/16/2014
Time Report Requested: 05:39:04
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 169

TRT#: 7

SEX: Male

DAY ON TEST: 400

DOSE: 1.0 G/KG

DISP: Moribund Sacrifice

HISTO: 0401039

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone Marrow	* Brain	* Esophagus
* Eye	* Gallbladder	* Harderian Gland	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Lung	* Lymph Node, Mandibular
* Lymph Node, Mesenteric	* Nose	* Pancreas	* Parathyroid Gland
* Pituitary Gland	* Preputial Gland	* Prostate	* Seminal Vesicle
* Skin	* Spleen	* Stomach, Forestomach	* Stomach, Glandular
* Testes	* Thyroid Gland	* Trachea	* Urinary Bladder

MISSING

* Mammary Gland

OBSERVATIONS

* Adrenal Cortex	Subcapsular	Hyperplasia	Minimal
* Bone		Fibrous Osteodystrophy	Marked
[Fibrous Osteodystrophy TGLS = 1-1]			
* Epididymis		Mineralization	Minimal
* Heart		Cardiomyopathy	Minimal
		Mineralization	Minimal
* Kidney		Mineralization	Mild
		Nephropathy	Mild
* Liver		Inflammation	Chronic Active, Minimal
* Salivary Glands		Inflammation	Mild
* Spleen			
Note: No corresponding lesion for TGL-2.			
* Thymus		Atrophy	Moderate

PRIMARY CAUSE OF DEATH

- UNCERTAIN

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99023-04
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: beta-Myrcene
CAS Number: 123-35-3

Date Report Requested: 10/16/2014
Time Report Requested: 05:39:04
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 170

TRT#: 7

SEX: Male

DAY ON TEST: 730

DOSE: 1.0 G/KG

DISP: Terminal Sacrifice

HISTO: 0401040

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Bone Marrow	* Brain
* Epididymis	* Esophagus	* Eye	* Gallbladder
* Heart	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Lymph Node, Mandibular
* Nose	* Pancreas	* Parathyroid Gland	* Pituitary Gland
* Preputial Gland	* Prostate	* Salivary Glands	* Seminal Vesicle
* Skin	* Spleen	* Stomach, Forestomach	* Stomach, Glandular
* Testes	* Thyroid Gland	* Trachea	* Urinary Bladder

MISSING

* Mammary Gland

OBSERVATIONS

* Adrenal Cortex	Subcapsular	Hyperplasia	Mild
* Eye			
Note: Optic nerve was not present in block or wet tissue.			
* Harderian Gland		Adenoma	
* Islets, Pancreatic		Hyperplasia	Minimal
* Kidney	Renal Tubule	Hyperplasia	Minimal
* Liver		Eosinophilic Focus	
		Hepatocellular Adenoma	
		Hepatocellular Carcinoma	
	Hepatocyte	Hypertrophy	Mild
		Inflammation	Chronic Active, Minimal
		Pigmentation	Hemosiderin, Minimal
		[Hepatocellular Adenoma TGLS = 2-4]	
		[Hepatocellular Carcinoma TGLS = 1-10]	
* Lung		Alveolar/Bronchiolar Adenoma	
* Lymph Node, Mesenteric		Atrophy	Mild
* Thymus		Atrophy	Minimal

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99023-04
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: beta-Myrcene
CAS Number: 123-35-3

Date Report Requested: 10/16/2014
Time Report Requested: 05:39:04
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 171

TRT#: 7

SEX: Male

DAY ON TEST: 730

DOSE: 1.0 G/KG

DISP: Terminal Sacrifice

HISTO: 0401041

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Bone Marrow	* Brain
* Epididymis	* Esophagus	* Eye	* Gallbladder
* Harderian Gland	* Heart	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Nose	* Pancreas
* Parathyroid Gland	* Pituitary Gland	* Preputial Gland	* Prostate
* Salivary Glands	* Seminal Vesicle	* Skin	* Spleen
* Stomach, Glandular	* Testes	* Thyroid Gland	* Trachea
* Urinary Bladder			

MISSING

* Mammary Gland

OBSERVATIONS

* Adrenal Cortex	Subcapsular	Hyperplasia	Moderate
* Islets, Pancreatic		Hyperplasia	Minimal
* Kidney	Cortex	Cyst	Moderate
		Nephropathy	Minimal
[Cyst TGLS = 2-4]			
* Liver		Eosinophilic Focus	
		Fatty Change	Mild
		Hepatoblastoma	
	Hepatocyte	Hepatocellular Adenoma	Multiple
		Hypertrophy	Minimal
		Inflammation	Chronic Active, Minimal
Note: The hepatoblastoma arises within an adenoma.			
			[Hepatoblastoma TGLS = 1-4]
			[Hepatocellular Adenoma TGLS = 3-5+10]
* Lung		Alveolar/Bronchiolar Adenoma	
* Stomach, Forestomach	Epithelium	Hyperplasia	Mild
* Thymus		Atrophy	Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99023-04
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: beta-Myrcene
CAS Number: 123-35-3

Date Report Requested: 10/16/2014
Time Report Requested: 05:39:04
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 171

TRT#: 7

DOSE: 1.0 G/KG

SEX: Male

DISP: Terminal Sacrifice

DAY ON TEST: 730

HISTO: 0401041

ORGAN AND ACCOUNTABLE SITE STATUS

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99023-04
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: beta-Myrcene
CAS Number: 123-35-3

Date Report Requested: 10/16/2014
Time Report Requested: 05:39:04
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 172

TRT#: 7

SEX: Male

DAY ON TEST: 505

DOSE: 1.0 G/KG

DISP: Natural Death

HISTO: 0401042

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Brain	* Epididymis
* Esophagus	* Eye	* Gallbladder	* Harderian Gland
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Nose
* Pancreas	* Parathyroid Gland	* Pituitary Gland	* Preputial Gland
* Prostate	* Salivary Glands	* Seminal Vesicle	* Skin
* Stomach, Forestomach	* Stomach, Glandular	* Testes	* Thyroid Gland
* Trachea	* Urinary Bladder		

MISSING

* Mammary Gland

INSUFFICIENT TISSUE

* Lymph Node, Mandibular

OBSERVATIONS

* Adrenal Cortex	Subcapsular	Hyperplasia	Minimal
* Bone Marrow		Atrophy	Mild
* Heart		Cardiomyopathy	Minimal
* Kidney	Renal Tubule	Necrosis	Mild
[Necrosis TGLS = 3-4]			
* Liver	Hepatocyte	Fatty Change	Mild
		Hypertrophy	Moderate
		Vacuolization Cytoplasmic	Moderate
[Vacuolization Cytoplasmic TGLS = 2 - 3+4+5]			
* Lung	Alveolar Epith	Hyperplasia	Minimal
* Lymph Node, Mesenteric		Atrophy	Moderate
* Spleen	Lymph Follic	Atrophy	Marked
[Atrophy TGLS = 1-4]			
* Thymus		Atrophy	Marked

PRIMARY CAUSE OF DEATH

- Kidney Renal Tubule Necrosis

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99023-04
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: beta-Myrcene
CAS Number: 123-35-3

Date Report Requested: 10/16/2014
Time Report Requested: 05:39:04
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 173

TRT#: 7

SEX: Male

DAY ON TEST: 135

DOSE: 1.0 G/KG

DISP: Natural Death

HISTO: 0401043

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Brain	* Epididymis
* Esophagus	* Eye	* Gallbladder	* Harderian Gland
* Heart	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Lung	* Nose	* Pancreas	* Parathyroid Gland
* Pituitary Gland	* Preputial Gland	* Prostate	* Salivary Glands
* Seminal Vesicle	* Skin	* Stomach, Glandular	* Thyroid Gland
* Trachea	* Urinary Bladder		

MISSING

* Mammary Gland

OBSERVATIONS

* Adrenal Cortex	Subcapsular	Hyperplasia	Minimal
* Bone Marrow		Atrophy	Moderate
* Eye			
Note: Optic nerve was missing from block wet tissue.			
* Kidney	Renal Tubule	Necrosis	Moderate
* Liver		Fatty Change	Minimal
	Hepatocyte	Hypertrophy	Mild
		Vacuolization Cytoplasmic	Moderate
* Lymph Node, Mandibular		Atrophy	Mild
* Lymph Node, Mesenteric		Atrophy	Moderate
* Spleen	Lymph Follic	Atrophy	Marked
* Stomach, Forestomach	Epithelium	Hyperplasia	Mild
		Inflammation	Mild
		Ulcer	Mild
		[Hyperplasia TGLS = 1-10]	
* Testes	Germinal Epith	Degeneration	Minimal
* Thymus		Atrophy	Moderate

PRIMARY CAUSE OF DEATH - Kidney Renal Tubule Necrosis

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99023-04
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: beta-Myrcene
CAS Number: 123-35-3

Date Report Requested: 10/16/2014
Time Report Requested: 05:39:04
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 174

TRT#: 7

SEX: Male

DAY ON TEST: 505

DOSE: 1.0 G/KG

DISP: Natural Death

HISTO: 0401044

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Brain	* Epididymis
* Esophagus	* Eye	* Gallbladder	* Heart
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Nose
* Pancreas	* Parathyroid Gland	* Pituitary Gland	* Preputial Gland
* Prostate	* Salivary Glands	* Seminal Vesicle	* Skin
* Stomach, Forestomach	* Stomach, Glandular	* Thyroid Gland	* Trachea
* Urinary Bladder			

MISSING

* Mammary Gland * Thymus

OBSERVATIONS

* Adrenal Cortex	Subcapsular	Hyperplasia	Minimal
* Bone Marrow		Atrophy	Mild
* Harderian Gland		Hyperplasia	Mild
* Kidney	Renal Tubule	Necrosis	Minimal
[Necrosis TGLS = 3-4]			
* Liver	Hepatocyte	Fatty Change	Minimal
		Hypertrophy	Mild
		Necrosis	Mild
		Vacuolization Cytoplasmic	Moderate
[Vacuolization Cytoplasmic TGLS = 2-3+4+5]			
* Lung		Alveolar/Bronchiolar Adenoma	
[Alveolar/Bronchiolar Adenoma TGLS = 4-10]			
* Lymph Node, Mandibular		Atrophy	Moderate
* Lymph Node, Mesenteric		Atrophy	Mild
* Spleen	Lymph Follic	Atrophy	Moderate
[Atrophy TGLS = 1-4]			
* Testes	Germinal Epith	Degeneration	Minimal

PRIMARY CAUSE OF DEATH - Kidney Renal Tubule Necrosis

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99023-04
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: beta-Myrcene
CAS Number: 123-35-3

Date Report Requested: 10/16/2014
Time Report Requested: 05:39:04
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 175

TRT#: 7

SEX: Male

DAY ON TEST: 729

DOSE: 1.0 G/KG

DISP: Terminal Sacrifice

HISTO: 0401045

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Bone Marrow	* Brain
* Epididymis	* Eye	* Gallbladder	* Harderian Gland
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Lymph Node, Mandibular	* Nose
* Pancreas	* Parathyroid Gland	* Pituitary Gland	* Preputial Gland
* Prostate	* Salivary Glands	* Seminal Vesicle	* Skin
* Testes	* Thyroid Gland	* Trachea	* Urinary Bladder

MISSING

* Mammary Gland

OBSERVATIONS

* Adrenal Cortex	Subcapsular Zona Fasciata	Hyperplasia Hyperplasia	Minimal Minimal
* Esophagus		Inflammation	Minimal
* Heart		Alveolar/Bronchiolar Carcinoma Cardiomyopathy	Metastatic (Lung) Minimal
* Islets, Pancreatic		Hyperplasia	Minimal
* Kidney		Nephropathy	Minimal
* Liver		Hepatocellular Adenoma Hepatocellular Carcinoma Inflammation	 Chronic Active, Minimal
		[Hepatocellular Adenoma TGLS = 4-5] [Hepatocellular Carcinoma TGLS = 1-10]	
* Lung	Alveolus	Alveolar/Bronchiolar Carcinoma Alveolar/Bronchiolar Carcinoma Hepatocellular Carcinoma Infiltration Cellular	Metastatic (Lung) Metastatic (Liver) Histiocyte, Marked

Note: Smaller nodules in lung (TGL-3) are largely metastatic alveolar bronchiolar carcinoma, however, some appear to be hepatocellular carcinoma also.

[Alveolar/Bronchiolar Carcinoma TGLS = 3-12]

[Alveolar/Bronchiolar Carcinoma TGLS = 2-11]

[Hepatocellular Carcinoma TGLS = 3-12]

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99023-04
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: beta-Myrcene
CAS Number: 123-35-3

Date Report Requested: 10/16/2014
Time Report Requested: 05:39:04
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 175	TRT#: 7	SEX: Male	DAY ON TEST: 729
	DOSE: 1.0 G/KG	DISP: Terminal Sacrifice	HISTO: 0401045

ORGAN AND ACCOUNTABLE SITE STATUS

* Lymph Node, Mesenteric		Atrophy	Mild
* Spleen	Lymph Follic	Atrophy	Mild
		Hematopoietic Cell Proliferation	Minimal
* Stomach, Forestomach	Epithelium	Hyperplasia	Mild
		Inflammation	Minimal
	[Hyperplasia TGLS = 5-10]		
* Stomach, Glandular		Hyperplasia	Minimal
* Thymus		Alveolar/Bronchiolar Carcinoma	Metastatic (Lung)

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99023-04
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: beta-Myrcene
CAS Number: 123-35-3

Date Report Requested: 10/16/2014
Time Report Requested: 05:39:04
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 176

TRT#: 7

SEX: Male

DAY ON TEST: 729

DOSE: 1.0 G/KG

DISP: Terminal Sacrifice

HISTO: 0401046

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Bone Marrow	* Brain
* Epididymis	* Esophagus	* Eye	* Gallbladder
* Harderian Gland	* Heart	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Nose
* Pancreas	* Parathyroid Gland	* Pituitary Gland	* Preputial Gland
* Salivary Glands	* Seminal Vesicle	* Skin	* Stomach, Forestomach
* Stomach, Glandular	* Testes	* Trachea	* Urinary Bladder

MISSING

* Mammary Gland

OBSERVATIONS

* Adrenal Cortex	Subcapsular	Hyperplasia	Mild
* Kidney		Nephropathy	Minimal
* Liver	Hepatocyte	Hepatocellular Adenoma	Multiple
		Hypertrophy	Moderate
	[Hepatocellular Adenoma TGLS = 2-10]		
* Lung		Alveolar/Bronchiolar Adenoma	
	[Alveolar/Bronchiolar Adenoma TGLS = 1-10]		
* Prostate		Inflammation	Minimal
* Spleen		Hyperplasia	Lymphoid, Mild
* Thymus		Atrophy	Minimal
* Thyroid Gland	Follicle	Cyst	Mild
Tooth		Dysplasia	

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99023-04
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: beta-Myrcene
CAS Number: 123-35-3

Date Report Requested: 10/16/2014
Time Report Requested: 05:39:04
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 177

TRT#: 7

SEX: Male

DAY ON TEST: 729

DOSE: 1.0 G/KG

DISP: Terminal Sacrifice

HISTO: 0401047

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Bone Marrow	* Brain
* Epididymis	* Esophagus	* Eye	* Harderian Gland
* Heart	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Lymph Node, Mandibular
* Lymph Node, Mesenteric	* Parathyroid Gland	* Pituitary Gland	* Preputial Gland
* Prostate	* Salivary Glands	* Seminal Vesicle	* Skin
* Stomach, Forestomach	* Stomach, Glandular	* Testes	* Thymus
* Thyroid Gland	* Trachea	* Urinary Bladder	

MISSING

* Gallbladder	* Mammary Gland
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OBSERVATIONS

* Adrenal Cortex	Subcapsular	Hyperplasia	Mild
* Islets, Pancreatic		Hyperplasia	Moderate
* Kidney		Mineralization	Minimal
		Nephropathy	Minimal
* Liver		Hepatocellular Adenoma	Multiple
	Hepatocyte	Hypertrophy	Mild
		Inflammation	Chronic Active, Minimal
	[Hepatocellular Adenoma TGLS = 1,2-5+10]		
* Lung		Alveolar/Bronchiolar Adenoma	
		Alveolar/Bronchiolar Carcinoma	
	Alveolus	Infiltration Cellular	Histiocyte, Minimal
	[Alveolar/Bronchiolar Carcinoma TGLS = 3-10]		
* Nose	Olfactory Epi	Degeneration	Minimal
* Pancreas		Cytoplasmic Alteration	Mild
* Spleen		Hematopoietic Cell Proliferation	Minimal
Tooth		Dysplasia	

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99023-04
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: beta-Myrcene
CAS Number: 123-35-3

Date Report Requested: 10/16/2014
Time Report Requested: 05:39:04
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 178

TRT#: 7

SEX: Male

DAY ON TEST: 465

DOSE: 1.0 G/KG

DISP: Moribund Sacrifice

HISTO: 0401048

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Brain
* Epididymis	* Esophagus	* Eye	* Gallbladder
* Harderian Gland	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Parathyroid Gland	* Pituitary Gland	* Preputial Gland	* Prostate
* Salivary Glands	* Seminal Vesicle	* Skin	* Stomach, Forestomach
* Stomach, Glandular	* Testes	* Thyroid Gland	* Trachea
* Urinary Bladder			

MISSING

* Lymph Node, Mesenteric	* Mammary Gland
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OBSERVATIONS

* Adren Cortex			
Note: The right adrenal gland was missing at trim.			
* Bone Marrow		Atrophy	Mild
* Heart		Mineralization	Mild
* Kidney	Renal Tubule	Necrosis	Minimal
		Nephropathy	Mild
[Nephropathy TGLS = 2-4]			
* Liver	Hepatocyte	Hepatocellular Adenoma	
		Hypertrophy	Mild
		Vacuolization Cytoplasmic	Moderate
[Hepatocellular Adenoma TGLS = 4-4]			
[Vacuolization Cytoplasmic TGLS = 1-3+4+5]			
* Lung		Inflammation	Suppurative, Minimal
* Lymph Node, Mandibular		Atrophy	Mild
Mesentery	Fat	Necrosis	Mild
* Nose	Olfactory Epi	Degeneration	Minimal
* Pancreas	Duct	Cyst	Marked
Note: TGL-3, grossly identified as a cyst on kidney, was actually a cystic pancreatic duct.			
[Cyst TGLS = 3-10]			

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99023-04
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: beta-Myrcene
CAS Number: 123-35-3

Date Report Requested: 10/16/2014
Time Report Requested: 05:39:04
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 178	TRT#: 7	SEX: Male	DAY ON TEST: 465
	DOSE: 1.0 G/KG	DISP: Moribund Sacrifice	HISTO: 0401048

ORGAN AND ACCOUNTABLE SITE STATUS

* Spleen	Lymph Follic	Atrophy	Marked
		Pigmentation	Hemosiderin, Mild
* Thymus		Atrophy	Marked

PRIMARY CAUSE OF DEATH	- Kidney Nephropathy
CONTRIBUTORY CAUSE OF DEATH	- Kidney Renal Tubule Necrosis;Liver Vacuolization Cytoplasmic

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99023-04
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: beta-Myrcene
CAS Number: 123-35-3

Date Report Requested: 10/16/2014
Time Report Requested: 05:39:04
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 179

TRT#: 7

SEX: Male

DAY ON TEST: 729

DOSE: 1.0 G/KG

DISP: Terminal Sacrifice

HISTO: 0401049

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Bone Marrow	* Brain
* Epididymis	* Esophagus	* Eye	* Gallbladder
* Harderian Gland	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Nose	* Pancreas
* Parathyroid Gland	* Pituitary Gland	* Preputial Gland	* Prostate
* Salivary Glands	* Seminal Vesicle	* Skin	* Spleen
* Stomach, Glandular	* Testes	* Thyroid Gland	* Trachea
* Urinary Bladder			

MISSING

* Mammary Gland

OBSERVATIONS

* Adrenal Cortex	Subcapsular	Hyperplasia	Mild
* Eye			
Note: Optic nerves were in B02 with brain.			
* Heart		Cardiomyopathy	Minimal
* Kidney	Cortex	Cyst	Minimal
		Nephropathy	Minimal
* Liver		Eosinophilic Focus	
		Fatty Change	Minimal
		Hepatocellular Adenoma	Multiple
	Hepatocyte	Hypertrophy	Mild
		Tension Lipidosis	Minimal
[Hepatocellular Adenoma TGLS = 1,2-5+10]			
* Lung		Alveolar/Bronchiolar Adenoma	
* Stomach, Forestomach	Epithelium	Hyperplasia	Mild
		Inflammation	Mild
		Ulcer	Mild
* Thymus		Hyperplasia	Lymphoid, Mild
Note: Hyperplasia of medullary lymphoid tissue.			

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99023-04
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: beta-Myrcene
CAS Number: 123-35-3

Date Report Requested: 10/16/2014
Time Report Requested: 05:39:04
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 179

TRT#: 7

SEX: Male

DAY ON TEST: 729

DOSE: 1.0 G/KG

DISP: Terminal Sacrifice

HISTO: 0401049

ORGAN AND ACCOUNTABLE SITE STATUS

Tooth

Dysplasia

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99023-04
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: beta-Myrcene
CAS Number: 123-35-3

Date Report Requested: 10/16/2014
Time Report Requested: 05:39:04
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 180

TRT#: 7

SEX: Male

DAY ON TEST: 728

DOSE: 1.0 G/KG

DISP: Terminal Sacrifice

HISTO: 0401050

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	Blood Vessel	* Bone	* Bone Marrow
* Brain	* Epididymis	* Esophagus	* Eye
* Gallbladder	* Harderian Gland	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Lung	* Lymph Node, Mandibular	* Nose	* Pancreas
* Parathyroid Gland	* Pituitary Gland	* Preputial Gland	* Prostate
* Salivary Glands	* Seminal Vesicle	* Skin	* Spleen
* Stomach, Forestomach	* Stomach, Glandular	* Testes	* Thyroid Gland
* Trachea	* Urinary Bladder		

MISSING

* Mammary Gland

OBSERVATIONS

* Adrenal Cortex	Subcapsular	Hyperplasia	Minimal
* Heart		Cardiomyopathy	Minimal
* Islets, Pancreatic		Hyperplasia	Minimal
* Kidney	Renal Tubule	Hyperplasia	Minimal
		Nephropathy	Minimal
* Liver		Clear Cell Focus	
		Eosinophilic Focus	
		Fatty Change	Mild
	Hepatocyte	Hypertrophy	Mild
		Inflammation	Chronic Active, Minimal
		Mixed Cell Focus	
	[Mixed Cell Focus TGLS = 1,2-4+5]		
* Lymph Node, Mesenteric		Atrophy	Marked
* Thymus		Atrophy	Mild
Tooth		Dysplasia	

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99023-04
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: beta-Myrcene
CAS Number: 123-35-3

Date Report Requested: 10/16/2014
Time Report Requested: 05:39:04
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 181

TRT#: 7

SEX: Male

DAY ON TEST: 422

DOSE: 1.0 G/KG

DISP: Moribund Sacrifice

HISTO: 0401051

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Brain	* Epididymis	* Esophagus	* Eye
* Gallbladder	* Harderian Gland	* Heart	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Kidney	* Liver
* Lung	* Lymph Node, Mandibular	* Pancreas	* Parathyroid Gland
* Pituitary Gland	* Preputial Gland	* Prostate	* Salivary Glands
* Seminal Vesicle	* Skin	* Stomach, Forestomach	* Stomach, Glandular
* Thyroid Gland	* Trachea	* Urinary Bladder	

MISSING

* Mammary Gland

OBSERVATIONS

* Lymph Node, Mesenteric		Atrophy	Mild
* Nose	Olfactory Epi	Degeneration	Minimal
* Spleen	Lymph Follic	Atrophy	Mild
[Atrophy TGLS = 2-4]			
* Testes	Germinal Epith	Degeneration	Minimal
* Thymus		Atrophy	Marked

PRIMARY CAUSE OF DEATH

- UNCERTAIN

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99023-04
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: beta-Myrcene
CAS Number: 123-35-3

Date Report Requested: 10/16/2014
Time Report Requested: 05:39:04
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 182

TRT#: 7

SEX: Male

DAY ON TEST: 327

DOSE: 1.0 G/KG

DISP: Natural Death

HISTO: 0401052

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Brain
* Epididymis	* Esophagus	* Eye	* Gallbladder
* Harderian Gland	* Heart	* Intestine Large, Colon	* Intestine Large, Rectum
* Pancreas	* Pituitary Gland	* Preputial Gland	* Prostate
* Salivary Glands	* Seminal Vesicle	* Skin	* Stomach, Glandular
* Thyroid Gland	* Trachea		

MISSING

* Mammary Gland	* Parathyroid Gland
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AUTO PRECLUDES DIAG.

* Intestine Large, Cecum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Urinary Bladder			

OBSERVATIONS

* Bone Marrow		Atrophy	Moderate
* Eye			
Note: Optic nerve was absent from wet tissue and block.			
* Islets, Pancreatic		Hyperplasia	Minimal
* Kidney	Renal Tubule	Necrosis	Moderate
* Liver		Fatty Change	Mild
	Hepatocyte	Hypertrophy	Marked
		Necrosis	Mild
		Vacuolization Cytoplasmic	Moderate
* Lung		Alveolar/Bronchiolar Adenoma	
[Alveolar/Bronchiolar Adenoma TGLS = 1-10]			
* Lymph Node, Mandibular		Atrophy	Marked
* Lymph Node, Mesenteric		Atrophy	Mild
* Nose	Olfactory Epi	Degeneration	Mild
* Spleen	Lymph Follic	Atrophy	Marked
* Stomach, Forestomach		Inflammation	Minimal
		Necrosis	Minimal
* Testes	Germinal Epith	Degeneration	Minimal

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99023-04
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: beta-Myrcene
CAS Number: 123-35-3

Date Report Requested: 10/16/2014
Time Report Requested: 05:39:04
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 182	TRT#: 7	SEX: Male	DAY ON TEST: 327
	DOSE: 1.0 G/KG	DISP: Natural Death	HISTO: 0401052

ORGAN AND ACCOUNTABLE SITE STATUS

* Thymus	Atrophy	Marked
PRIMARY CAUSE OF DEATH	- Kidney Renal Tubule Necrosis	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99023-04
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: beta-Myrcene
CAS Number: 123-35-3

Date Report Requested: 10/16/2014
Time Report Requested: 05:39:04
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 183

TRT#: 7

SEX: Male

DAY ON TEST: 730

DOSE: 1.0 G/KG

DISP: Terminal Sacrifice

HISTO: 0401053

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Bone Marrow	* Brain
* Epididymis	* Esophagus	* Eye	* Gallbladder
* Harderian Gland	* Heart	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Lung	* Lymph Node, Mandibular	* Nose
* Pancreas	* Parathyroid Gland	* Pituitary Gland	* Preputial Gland
* Prostate	* Salivary Glands	* Seminal Vesicle	* Spleen
* Stomach, Glandular	* Testes	* Thyroid Gland	* Trachea
* Urinary Bladder			

MISSING

* Mammary Gland

OBSERVATIONS

* Adrenal Cortex	Subcapsular	Hyperplasia	Minimal
* Kidney		Nephropathy	Minimal
* Liver		Fatty Change	Minimal
	Hepatocyte	Hepatocellular Adenoma	Multiple
	[Hepatocellular Adenoma TGLS = 2,3,4-3+4+11]	Hypertrophy	Minimal
* Lymph Node, Mesenteric		Atrophy	Mild
* Skin	Sebaceous GI	Hyperplasia	Moderate
	Note: Meibomian gland hyperplasia in eyelid.		
	[Hyperplasia TGLS = 1-10]		
* Stomach, Forestomach	Epithelium	Hyperplasia	Mild
		Inflammation	Minimal
* Thymus		Atrophy	Mild
Tooth		Dysplasia	

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99023-04
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: beta-Myrcene
CAS Number: 123-35-3

Date Report Requested: 10/16/2014
Time Report Requested: 05:39:04
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 184

TRT#: 7

SEX: Male

DAY ON TEST: 331

DOSE: 1.0 G/KG

DISP: Dosing Accident

HISTO: 0401054

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Brain	* Epididymis
* Eye	* Gallbladder	* Harderian Gland	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Lung	* Pancreas	* Parathyroid Gland
* Pituitary Gland	* Preputial Gland	* Prostate	* Salivary Glands
* Seminal Vesicle	* Skin	* Stomach, Glandular	* Thyroid Gland
* Trachea	* Urinary Bladder		

MISSING

* Mammary Gland

OBSERVATIONS

* Adrenal Cortex	Subcapsular	Hyperplasia	Minimal
* Bone Marrow		Atrophy	Moderate
* Esophagus		Inflammation	Mild
		Necrosis	Mild
<p>Note: Erosion and inflammation were most obvious in the thoracic portion of esophagus - i.e. in the piece in the lung section.</p> <p>Note: The inflammation and erosion of the esophagus suggest this was a dosing accident that died several days later.</p>			
* Heart		Cardiomyopathy	Minimal
* Islets, Pancreatic		Hyperplasia	Minimal
* Kidney		Nephropathy	Minimal
		[Nephropathy TGLS = 3-4]	
* Liver	Hepatocyte	Fatty Change	Minimal
		Hypertrophy	Moderate
		Tension Lipidosis	Minimal
		Vacuolization Cytoplasmic	Moderate
		[Vacuolization Cytoplasmic TGLS = 2-4+5]	
* Lymph Node, Mandibular		Atrophy	Mild
* Lymph Node, Mesenteric		Atrophy	Moderate
* Nose		Inflammation	Mild
* Spleen	Lymph Follic	Atrophy	Marked
		[Atrophy TGLS = 1-4]	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99023-04
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: beta-Myrcene
CAS Number: 123-35-3

Date Report Requested: 10/16/2014
Time Report Requested: 05:39:04
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 184	TRT#: 7	SEX: Male	DAY ON TEST: 331
	DOSE: 1.0 G/KG	DISP: Dosing Accident	HISTO: 0401054

ORGAN AND ACCOUNTABLE SITE STATUS

* Stomach, Forestomach	Epithelium	Hyperplasia Inflammation Necrosis	Mild Mild Minimal
[Hyperplasia TGLS = 4-5,10]			
* Testes	Germinal Epith	Degeneration	Minimal
* Thymus		Atrophy	Marked

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99023-04
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: beta-Myrcene
CAS Number: 123-35-3

Date Report Requested: 10/16/2014
Time Report Requested: 05:39:04
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 185

TRT#: 7

SEX: Male

DAY ON TEST: 681

DOSE: 1.0 G/KG

DISP: Natural Death

HISTO: 0401055

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Brain	* Epididymis	* Esophagus	* Eye
* Gallbladder	* Harderian Gland	* Heart	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Lung	* Nose	* Pancreas	* Parathyroid Gland
* Pituitary Gland	* Preputial Gland	* Salivary Glands	* Seminal Vesicle
* Skin	* Stomach, Glandular	* Thyroid Gland	* Trachea
* Urinary Bladder			

MISSING

* Mammary Gland

AUTO PRECLUDES DIAG.

* Intestine Small, Jejunum

OBSERVATIONS

* Islets, Pancreatic	Hyperplasia	Minimal
* Kidney	Infarct	Moderate
	Nephropathy	Minimal
[Infarct TGLS = 2-4]		
[Nephropathy TGLS = 3-4]		
* Liver	Eosinophilic Focus	
	Hepatocellular Carcinoma	
	Inflammation	Chronic Active, Minimal
	Mixed Cell Focus	
	Necrosis	Mild
Note: Mixed cell foci in B05 appear necrotic.		
[Hepatocellular Carcinoma TGLS = 1-10]		
* Lymph Node, Mandibular	Atrophy	Mild
* Lymph Node, Mesenteric	Atrophy	Moderate
* Prostate	Inflammation	Minimal
* Spleen	Atrophy	Mild
	Lymph Follic	
	Hematopoietic Cell Proliferation	Minimal

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99023-04
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: beta-Myrcene
CAS Number: 123-35-3

Date Report Requested: 10/16/2014
Time Report Requested: 05:39:04
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 185	TRT#: 7	SEX: Male	DAY ON TEST: 681
	DOSE: 1.0 G/KG	DISP: Natural Death	HISTO: 0401055

ORGAN AND ACCOUNTABLE SITE STATUS

* Stomach, Forestomach	Epithelium	Hyperplasia Inflammation	Mild Mild
* Testes	Germinal Epith Germinal Epith	Degeneration Mineralization	Minimal Minimal
* Thymus		Atrophy	Mild

PRIMARY CAUSE OF DEATH - Liver Hepatocellular Carcinoma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99023-04
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: beta-Myrcene
CAS Number: 123-35-3

Date Report Requested: 10/16/2014
Time Report Requested: 05:39:04
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 186

TRT#: 7

SEX: Male

DAY ON TEST: 728

DOSE: 1.0 G/KG

DISP: Terminal Sacrifice

HISTO: 0401056

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Bone Marrow	* Brain
* Epididymis	* Esophagus	* Eye	* Gallbladder
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Lung	* Lymph Node, Mandibular
* Nose	* Pancreas	* Parathyroid Gland	* Pituitary Gland
* Preputial Gland	* Salivary Glands	* Seminal Vesicle	* Skin
* Stomach, Forestomach	* Stomach, Glandular	* Testes	* Trachea
* Urinary Bladder			

MISSING

* Lymph Node, Mesenteric	* Mammary Gland
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OBSERVATIONS

* Adrenal Cortex	Subcapsular	Hyperplasia	Minimal
* Harderian Gland		Adenoma	
* Heart		Cardiomyopathy	Minimal
* Islets, Pancreatic		Hyperplasia	Minimal
* Kidney		Mineralization	Minimal
* Liver		Eosinophilic Focus	
		Hepatocellular Adenoma	
		Inflammation	Chronic Active, Minimal
[Hepatocellular Adenoma TGLS = 1-10]			
* Prostate		Inflammation	Minimal
* Spleen		Hematopoietic Cell Proliferation	Minimal
		Hyperplasia	Lymphoid, Mild
* Thymus		Atrophy	Mild
* Thyroid Gland	C Cell	Hyperplasia	Minimal
		Inflammation	Minimal
Tooth		Dysplasia	

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99023-04
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: beta-Myrcene
CAS Number: 123-35-3

Date Report Requested: 10/16/2014
Time Report Requested: 05:39:04
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 187

TRT#: 7

SEX: Male

DAY ON TEST: 542

DOSE: 1.0 G/KG

DISP: Natural Death

HISTO: 0401057

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Brain	* Epididymis
* Esophagus	* Eye	* Gallbladder	* Harderian Gland
* Heart	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Nose
* Pancreas	* Parathyroid Gland	* Pituitary Gland	* Preputial Gland
* Prostate	* Salivary Glands	* Seminal Vesicle	* Skin
* Stomach, Glandular	* Testes	* Thyroid Gland	* Trachea
* Urinary Bladder			

MISSING

* Mammary Gland

OBSERVATIONS

* Adrenal Cortex	Subcapsular	Hyperplasia	Mild
* Bone Marrow		Atrophy	Mild
* Islets, Pancreatic		Hyperplasia	Minimal
* Kidney	Renal Tubule	Necrosis	Moderate
		Nephropathy	Minimal
* Liver		Basophilic Focus	
		Eosinophilic Focus	
		Fatty Change	Mild
		Hepatocellular Adenoma	Multiple
	Hepatocyte	Hypertrophy	Mild
		Necrosis	Minimal
		Vacuolization Cytoplasmic	Moderate
	[Hepatocellular Adenoma TGLS = 4-10]		
* Lung		Alveolar/Bronchiolar Adenoma	Multiple
	Alveolar Epith	Hyperplasia	Mild
	[Alveolar/Bronchiolar Adenoma TGLS = 1,2-11]		
* Lymph Node, Mandibular		Atrophy	Mild
* Lymph Node, Mesenteric		Atrophy	Mild
* Spleen	Lymph Follic	Atrophy	Marked

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99023-04
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: beta-Myrcene
CAS Number: 123-35-3

Date Report Requested: 10/16/2014
Time Report Requested: 05:39:04
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 187	TRT#: 7	SEX: Male	DAY ON TEST: 542
	DOSE: 1.0 G/KG	DISP: Natural Death	HISTO: 0401057

ORGAN AND ACCOUNTABLE SITE STATUS

[Atrophy TGLS = 3-4]			
* Stomach, Forestomach	Epithelium	Hyperplasia Inflammation Necrosis	Mild Mild Mild
[Hyperplasia TGLS = 5-12]			
* Thymus		Atrophy	Marked

PRIMARY CAUSE OF DEATH - Kidney Renal Tubule Necrosis

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99023-04
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: beta-Myrcene
CAS Number: 123-35-3

Date Report Requested: 10/16/2014
Time Report Requested: 05:39:04
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 188

TRT#: 7

SEX: Male

DAY ON TEST: 730

DOSE: 1.0 G/KG

DISP: Terminal Sacrifice

HISTO: 0401058

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Bone Marrow	* Brain
* Epididymis	* Esophagus	* Eye	* Gallbladder
* Heart	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Nose	* Parathyroid Gland
* Pituitary Gland	* Preputial Gland	* Prostate	* Salivary Glands
* Seminal Vesicle	* Skin	* Spleen	* Stomach, Glandular
* Testes	* Thymus	* Thyroid Gland	* Trachea
* Urinary Bladder			

MISSING

* Mammary Gland

OBSERVATIONS

* Adrenal Cortex	Subcapsular	Hyperplasia	Minimal
* Harderian Gland		Adenoma	
		Hyperplasia	Moderate
* Kidney		Nephropathy	Minimal
* Liver		Eosinophilic Focus	
	Hepatocyte	Hepatocellular Adenoma	Multiple
		Hypertrophy	Moderate
		Inflammation	Chronic Active, Minimal
	[Hepatocellular Adenoma TGLS = 1,2-10+11]		
* Lung	Alveolar Epith	Hyperplasia	Mild
		Inflammation	Chronic Active, Minimal
* Pancreas		Cytoplasmic Alteration	Minimal
* Stomach, Forestomach	Epithelium	Hyperplasia	Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99023-04
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: beta-Myrcene
CAS Number: 123-35-3

Date Report Requested: 10/16/2014
Time Report Requested: 05:39:04
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 189

TRT#: 7

SEX: Male

DAY ON TEST: 728

DOSE: 1.0 G/KG

DISP: Terminal Sacrifice

HISTO: 0401059

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Bone Marrow	* Brain
* Epididymis	* Esophagus	* Eye	* Gallbladder
* Harderian Gland	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Nose	* Pancreas
* Parathyroid Gland	* Pituitary Gland	* Salivary Glands	* Seminal Vesicle
* Skin	* Stomach, Forestomach	* Stomach, Glandular	* Testes
* Thymus	* Thyroid Gland	* Trachea	* Urinary Bladder

MISSING

* Mammary Gland

OBSERVATIONS

* Adrenal Cortex	Subcapsular	Hyperplasia	Mild
* Heart		Cardiomyopathy	Minimal
	Atrium	Thrombosis	Minimal
* Kidney		Nephropathy	Minimal
* Liver		Eosinophilic Focus	
		Fatty Change	Minimal
		Hepatocellular Adenoma	Multiple
	Hepatocyte	Hypertrophy	Mild
		Inflammation	Chronic Active, Minimal
		[Eosinophilic Focus TGLS = 4,5-10+11]	
		[Hepatocellular Adenoma TGLS = 1,2,4,5,6-10+11+12]	
* Lung	Bronchiole	Hyperplasia	Mild
* Preputial Gland		Inflammation	Minimal
		[Inflammation TGLS = 3-8]	
* Prostate		Inflammation	Minimal
* Spleen		Hematopoietic Cell Proliferation	Minimal
Tooth		Dysplasia	

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99023-04
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: beta-Myrcene
CAS Number: 123-35-3

Date Report Requested: 10/16/2014
Time Report Requested: 05:39:04
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 190	TRT#: 7	SEX: Male	DAY ON TEST: 691
	DOSE: 1.0 G/KG	DISP: Natural Death	HISTO: 0401060

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Bone Marrow	* Brain
* Epididymis	* Esophagus	* Eye	* Gallbladder
* Harderian Gland	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Islets, Pancreatic	* Kidney
* Lung	* Nose	* Pancreas	* Parathyroid Gland
* Pituitary Gland	* Preputial Gland	* Prostate	* Salivary Glands
* Seminal Vesicle	* Skin	* Stomach, Forestomach	* Stomach, Glandular
* Testes	* Thyroid Gland	* Trachea	* Urinary Bladder

MISSING

* Lymph Node, Mesenteric	* Mammary Gland
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AUTO PRECLUDES DIAG.

* Intestine Small, Jejunum	* Spleen
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OBSERVATIONS

* Adrenal Cortex	Subcapsular	Hyperplasia	Mild
* Eye			
Note: Optic nerves were missing from block and wet tissue.			
* Heart		Cardiomyopathy	Minimal
* Liver		Fatty Change	Minimal
		Hepatocellular Carcinoma	
		Necrosis	Mild
[Hepatocellular Carcinoma TGLS = 1-10]			
* Lymph Node, Mandibular		Atrophy	Minimal
* Thymus		Atrophy	Mild

PRIMARY CAUSE OF DEATH - Liver Hepatocellular Carcinoma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99023-04
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: beta-Myrcene
CAS Number: 123-35-3

Date Report Requested: 10/16/2014
Time Report Requested: 05:39:04
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 191

TRT#: 7

SEX: Male

DAY ON TEST: 729

DOSE: 1.0 G/KG

DISP: Terminal Sacrifice

HISTO: 0401061

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Bone Marrow	* Brain
* Epididymis	* Esophagus	* Eye	* Gallbladder
* Heart	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Lymph Node, Mandibular	* Nose	* Pancreas	* Parathyroid Gland
* Pituitary Gland	* Salivary Glands	* Seminal Vesicle	* Skin
* Spleen	* Stomach, Glandular	* Testes	* Thyroid Gland
* Trachea	* Urinary Bladder		

MISSING

* Lymph Node, Mesenteric	* Mammary Gland
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OBSERVATIONS

* Adrenal Cortex	Subcapsular	Hyperplasia	Minimal
* Harderian Gland		Adenoma	
[Adenoma TGLS = 1-9]			
* Kidney	Cortex	Cyst	Minimal
		Mineralization	Minimal
		Nephropathy	Minimal
* Liver	Hepatocyte	Hepatocellular Adenoma	Multiple
		Hypertrophy	Mild
		Inflammation	Chronic Active, Minimal
Note: Part of TGL-3 (adenoma) is also on slide 03.			
[Hepatocellular Adenoma TGLS = 3,5-5+11]			
* Lung	Alveolus	Alveolar/Bronchiolar Adenoma	
		Infiltration Cellular	Histiocyte, Minimal
		Inflammation	Chronic Active, Minimal
[Alveolar/Bronchiolar Adenoma TGLS = 4-10]			
* Preputial Gland		Ectasia	Mild
[Ectasia TGLS = 2-8]			
* Prostate		Inflammation	Minimal
* Stomach, Forestomach	Epithelium	Hyperplasia	Mild

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99023-04
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: beta-Myrcene
CAS Number: 123-35-3

Date Report Requested: 10/16/2014
Time Report Requested: 05:39:04
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 191

TRT#: 7

SEX: Male

DAY ON TEST: 729

DOSE: 1.0 G/KG

DISP: Terminal Sacrifice

HISTO: 0401061

ORGAN AND ACCOUNTABLE SITE STATUS

* Thymus

Atrophy

Mild

Tooth

Dysplasia

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99023-04
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: beta-Myrcene
CAS Number: 123-35-3

Date Report Requested: 10/16/2014
Time Report Requested: 05:39:04
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 192

TRT#: 7

SEX: Male

DAY ON TEST: 623

DOSE: 1.0 G/KG

DISP: Natural Death

HISTO: 0401062

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Bone Marrow	* Brain
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Pancreas	* Pituitary Gland
* Preputial Gland	* Prostate	* Salivary Glands	* Skin
* Thyroid Gland	* Trachea	* Urinary Bladder	

MISSING

* Mammary Gland	* Parathyroid Gland
-----------------	---------------------

OBSERVATIONS

* Adrenal Cortex	Subcapsular	Hyperplasia Necrosis Squamous Cell Carcinoma	Minimal Minimal Metastatic (Stomach, Forestomach)
* Epididymis		Squamous Cell Carcinoma	Metastatic (Stomach, Forestomach)
* Esophagus		Inflammation Necrosis	Moderate Mild
* Eye	Cornea	Inflammation	Minimal
Note: Optic nerves were missing from block and wet tissues. Note: TGL-1, small eye, is probably due to trauma and subsequent inflammation of the harderian gland and eye. [Inflammation TGLS = 1-9]			
* Gallbladder		Squamous Cell Carcinoma	Metastatic (Stomach, Forestomach)
* Harderian Gland		Inflammation	Marked
* Heart		Mineralization	Mild
* Islets, Pancreatic		Hyperplasia	Minimal
* Kidney		Mineralization	Mild
	Renal Tubule	Necrosis	Mild
* Liver		Eosinophilic Focus Fatty Change Hepatocellular Adenoma Hepatocellular Carcinoma	 Minimal
	Hepatocyte	Hypertrophy Mineralization	Marked Minimal

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99023-04
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: beta-Myrcene
CAS Number: 123-35-3

Date Report Requested: 10/16/2014
Time Report Requested: 05:39:04
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 192

TRT#: 7

SEX: Male

DAY ON TEST: 623

DOSE: 1.0 G/KG

DISP: Natural Death

HISTO: 0401062

ORGAN AND ACCOUNTABLE SITE STATUS

		Vacuolization Cytoplasmic	Moderate
Note: TGL-3 adenoma has moderate necrosis.			
[Hepatocellular Adenoma TGLS = 3-11]			
[Hepatocellular Carcinoma TGLS = 2-10]			
* Lung		Alveolar/Bronchiolar Adenoma	
Lymph Node	Bronchial	Squamous Cell Carcinoma	Metastatic (Stomach, Forestomach)
	Mediastinal	Squamous Cell Carcinoma	Metastatic (Stomach, Forestomach)
* Lymph Node, Mandibular		Atrophy	Marked
* Lymph Node, Mesenteric		Atrophy	Marked
Mesentery		Squamous Cell Carcinoma	Metastatic (Stomach, Forestomach)
[Squamous Cell Carcinoma TGLS = 4-12]			
* Nose	Olfactory Epi	Degeneration	Minimal
* Seminal Vesicle		Squamous Cell Carcinoma	Metastatic (Stomach, Forestomach)
* Spleen	Lymph Follic	Atrophy	Marked
		Hematopoietic Cell Proliferation	Mild
		Squamous Cell Carcinoma	Metastatic (Stomach, Forestomach)
* Stomach, Forestomach		Squamous Cell Carcinoma	
[Squamous Cell Carcinoma TGLS = 5-13]			
* Stomach, Glandular		Inflammation	Minimal
		Necrosis	Minimal
* Testes	Germinal Epith	Degeneration	Mild
* Thymus		Atrophy	Marked
<hr/>			
PRIMARY CAUSE OF DEATH	- Stomach, Forestomach Squamous Cell Carcinoma		

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99023-04
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: beta-Myrcene
CAS Number: 123-35-3

Date Report Requested: 10/16/2014
Time Report Requested: 05:39:04
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 193

TRT#: 7

SEX: Male

DAY ON TEST: 673

DOSE: 1.0 G/KG

DISP: Moribund Sacrifice

HISTO: 0401063

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Brain	* Epididymis	* Esophagus	* Eye
* Gallbladder	* Harderian Gland	* Heart	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Nose	* Parathyroid Gland	* Pituitary Gland
* Prostate	* Salivary Glands	* Seminal Vesicle	* Skin
* Stomach, Glandular	* Thyroid Gland	* Trachea	* Urinary Bladder

MISSING

* Mammary Gland

OBSERVATIONS

* Intestine Small, Duodenum		Inflammation	Chronic Active, Moderate
		Necrosis	Mild
* Kidney		Nephropathy	Moderate
* Liver		Hepatocellular Adenoma	
	Hepatocyte	Hepatocellular Carcinoma	Multiple
		Hypertrophy	Mild
		Necrosis	Minimal
	[Hepatocellular Adenoma TGLS = 4-12]		
	[Hepatocellular Carcinoma TGLS = 1,2-10+11]		
	[Necrosis TGLS = 6-10]		
* Lung		Alveolar/Bronchiolar Adenoma	
		Hepatocellular Carcinoma	Metastatic (Liver)
	Note: Nodules in lung are both alveolar-bronchiolar adenoma (1 nodule) and metastatic hepatocellular carcinoma (multiple nodules).		
	[Hepatocellular Carcinoma TGLS = 5-13]		
* Lymph Node, Mandibular		Atrophy	Mild
* Lymph Node, Mesenteric		Atrophy	Mild
* Pancreas		Inflammation	Mild
	Note: Extension from duodenum along pancreatic or bile duct.		
* Preputial Gland		Ectasia	Moderate
	[Ectasia TGLS = 3-8]		

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99023-04
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: beta-Myrcene
CAS Number: 123-35-3

Date Report Requested: 10/16/2014
Time Report Requested: 05:39:04
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 193

TRT#: 7

SEX: Male

DAY ON TEST: 673

DOSE: 1.0 G/KG

DISP: Moribund Sacrifice

HISTO: 0401063

ORGAN AND ACCOUNTABLE SITE STATUS

* Spleen	Lymph Follic	Atrophy Hematopoietic Cell Proliferation	Mild Moderate
* Stomach, Forestomach	Epithelium	Hyperplasia Inflammation	Minimal Minimal
* Testes	Germinal Epith	Degeneration	Mild
* Thymus		Atrophy	Moderate

PRIMARY CAUSE OF DEATH - Liver Hepatocellular Carcinoma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99023-04
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: beta-Myrcene
CAS Number: 123-35-3

Date Report Requested: 10/16/2014
Time Report Requested: 05:39:04
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 194

TRT#: 7

SEX: Male

DAY ON TEST: 729

DOSE: 1.0 G/KG

DISP: Terminal Sacrifice

HISTO: 0401064

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Bone Marrow	* Brain
* Epididymis	* Esophagus	* Eye	* Gallbladder
* Harderian Gland	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Lung
* Lymph Node, Mesenteric	* Nose	* Pancreas	* Parathyroid Gland
* Pituitary Gland	* Preputial Gland	* Salivary Glands	* Seminal Vesicle
* Skin	* Spleen	* Stomach, Forestomach	* Stomach, Glandular
* Testes	* Trachea	* Urinary Bladder	

MISSING

* Mammary Gland

OBSERVATIONS

* Adrenal Cortex	Subcapsular	Hyperplasia	Mild
* Heart		Cardiomyopathy	Minimal
* Islets, Pancreatic		Hyperplasia	Minimal
* Kidney	Renal Tubule	Adenoma	
		Nephropathy	Minimal
[Adenoma TGLS = 6-13]			
* Liver		Eosinophilic Focus	
		Fatty Change	Minimal
		Hepatocellular Adenoma	Multiple
	Hepatocyte	Hypertrophy	Mild
[Hepatocellular Adenoma TGLS = 1,2,3,4,5-4+10+11+12]		Mixed Cell Focus	
* Lymph Node, Mandibular		Atrophy	Minimal
* Prostate		Inflammation	Minimal
* Thymus		Atrophy	Moderate
* Thyroid Gland	Follicular Cel	Hyperplasia	Mild
Tooth		Dysplasia	

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99023-04
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: beta-Myrcene
CAS Number: 123-35-3

Date Report Requested: 10/16/2014
Time Report Requested: 05:39:04
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 195

TRT#: 7

SEX: Male

DAY ON TEST: 334

DOSE: 1.0 G/KG

DISP: Natural Death

HISTO: 0401065

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Brain	* Epididymis
* Eye	* Gallbladder	* Harderian Gland	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Lung	* Pancreas
* Parathyroid Gland	* Pituitary Gland	* Preputial Gland	* Prostate
* Salivary Glands	* Seminal Vesicle	* Skin	* Thyroid Gland
* Trachea	* Urinary Bladder		

MISSING

* Mammary Gland

OBSERVATIONS

* Adrenal Cortex	Subcapsular	Hyperplasia	Minimal
* Bone Marrow		Atrophy	Mild
		Pigmentation	Mild
* Esophagus		Inflammation	Mild
		Necrosis	Mild
* Heart		Mineralization	Mild
* Kidney		Mineralization	Minimal
		Nephropathy	Mild
	[Nephropathy TGLS = 2-4]		
* Liver	Hepatocyte	Fatty Change	Minimal
		Hypertrophy	Marked
		Necrosis	Moderate
		Tension Lipidosis	Minimal
		Vacuolization Cytoplasmic	Marked
	[Vacuolization Cytoplasmic TGLS = 1-4+5]		
* Lymph Node, Mandibular		Atrophy	Mild
* Lymph Node, Mesenteric		Atrophy	Moderate
* Nose		Inflammation	Minimal
* Spleen	Lymph Follic	Atrophy	Marked
		Pigmentation	Hemosiderin, Minimal

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99023-04
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: beta-Myrcene
CAS Number: 123-35-3

Date Report Requested: 10/16/2014
Time Report Requested: 05:39:04
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 195	TRT#: 7	SEX: Male	DAY ON TEST: 334
	DOSE: 1.0 G/KG	DISP: Natural Death	HISTO: 0401065

ORGAN AND ACCOUNTABLE SITE STATUS

* Stomach, Forestomach	Epithelium	Hyperplasia	Mild
		Inflammation	Minimal
		Necrosis	Mild
		Ulcer	Mild
[Hyperplasia TGLS = 3-10]			
* Stomach, Glandular		Metaplasia	Squamous, Minimal
* Testes	Germinal Epith	Degeneration	Mild
* Thymus		Atrophy	Marked

PRIMARY CAUSE OF DEATH	- Liver Necrosis
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* PROTOCOL REQUIRED TISSUE

Experiment Number: 99023-04
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: beta-Myrcene
CAS Number: 123-35-3

Date Report Requested: 10/16/2014
Time Report Requested: 05:39:04
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 196

TRT#: 7

SEX: Male

DAY ON TEST: 661

DOSE: 1.0 G/KG

DISP: Moribund Sacrifice

HISTO: 0401066

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Brain	* Epididymis
* Gallbladder	* Harderian Gland	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Lung	* Nose	* Parathyroid Gland
* Pituitary Gland	* Preputial Gland	* Salivary Glands	* Seminal Vesicle
* Skin	* Stomach, Glandular	* Thyroid Gland	* Trachea
* Urinary Bladder			

MISSING

* Mammary Gland

OBSERVATIONS

* Adrenal Cortex	Subcapsular	Hyperplasia	Mild
* Bone Marrow		Atrophy	Mild
* Esophagus		Inflammation	Minimal
		Necrosis	Minimal
* Eye		Thrombosis	Moderate
Note: Thrombi in periocular tissue.			
* Heart		Mineralization	Mild
* Kidney		Mineralization	Minimal
Note: No corresponding microscopic finding for TGL-2 (pale kidneys).			
* Liver		Basophilic Focus	
		Eosinophilic Focus	
	Hepatocyte	Hypertrophy	Marked
		Mineralization	Minimal
		Necrosis	Moderate
		Vacuolization Cytoplasmic	Marked
[Vacuolization Cytoplasmic TGLS = 1-3+4+5+10]			
* Lymph Node, Mandibular		Atrophy	Mild
* Lymph Node, Mesenteric		Atrophy	Moderate
* Pancreas		Necrosis	Focal, Minimal
* Prostate		Inflammation	Minimal

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99023-04
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: beta-Myrcene
CAS Number: 123-35-3

Date Report Requested: 10/16/2014
Time Report Requested: 05:39:04
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 196	TRT#: 7	SEX: Male	DAY ON TEST: 661
	DOSE: 1.0 G/KG	DISP: Moribund Sacrifice	HISTO: 0401066

ORGAN AND ACCOUNTABLE SITE STATUS

Skeletal Muscle		Inflammation	Mild
Note: Skeletal muscle inflammation in mammary section (B08).			
* Spleen	Lymph Follic	Atrophy	Marked
* Stomach, Forestomach	Epithelium	Hyperplasia	Minimal
		Inflammation	Minimal
* Testes	Germinal Epith	Degeneration	Minimal
* Thymus		Atrophy	Marked

PRIMARY CAUSE OF DEATH - Liver Necrosis

Animal Note: TGLS 3=No Corresponding Lesion

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99023-04
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: beta-Myrcene
CAS Number: 123-35-3

Date Report Requested: 10/16/2014
Time Report Requested: 05:39:04
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 198

TRT#: 7

SEX: Male

DAY ON TEST: 556

DOSE: 1.0 G/KG

DISP: Natural Death

HISTO: 0401068

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Brain	* Epididymis
* Esophagus	* Eye	* Gallbladder	* Harderian Gland
* Heart	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Lung	* Nose	* Pancreas	* Parathyroid Gland
* Pituitary Gland	* Preputial Gland	* Prostate	* Salivary Glands
* Seminal Vesicle	* Skin	* Stomach, Forestomach	* Stomach, Glandular
* Thyroid Gland	* Trachea	* Urinary Bladder	

MISSING

* Mammary Gland

OBSERVATIONS

* Adrenal Cortex	Subcapsular	Hyperplasia	Mild
* Bone Marrow		Atrophy	Mild
* Kidney	Renal Tubule	Necrosis	Minimal
* Liver	Hepatocyte	Hypertrophy	Mild
		Vacuolization Cytoplasmic	Mild
	[Vacuolization Cytoplasmic TGLS = 2-3+4+5]		
* Lymph Node, Mandibular		Atrophy	Mild
* Lymph Node, Mesenteric		Atrophy	Marked
* Spleen	Lymph Follic	Atrophy	Marked
	[Atrophy TGLS = 1-4]		
* Testes	Germinal Epith	Degeneration	Minimal
* Thymus		Atrophy	Marked

PRIMARY CAUSE OF DEATH

- Kidney Renal Tubule Necrosis

CONTRIBUTORY CAUSE OF DEATH

- Liver Vacuolization Cytoplasmic

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99023-04
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: beta-Myrcene
CAS Number: 123-35-3

Date Report Requested: 10/16/2014
Time Report Requested: 05:39:04
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 199

TRT#: 7

SEX: Male

DAY ON TEST: 113

DOSE: 1.0 G/KG

DISP: Dosing Accident

HISTO: 0401069

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Brain	* Epididymis
* Esophagus	* Eye	* Gallbladder	* Harderian Gland
* Heart	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Kidney	* Lymph Node, Mandibular	* Nose	* Pancreas
* Parathyroid Gland	* Pituitary Gland	* Preputial Gland	* Prostate
* Salivary Glands	* Seminal Vesicle	* Skin	* Stomach, Glandular
* Testes	* Thyroid Gland	* Trachea	* Urinary Bladder

MISSING

* Mammary Gland

OBSERVATIONS

* Adrenal Cortex	Subcapsular	Hyperplasia	Minimal
* Bone Marrow	Myeloid Cell	Hyperplasia	Marked
* Liver		Hematopoietic Cell Proliferation	Moderate
Note: Granulocytic hematopoietic cell proliferation is secondary to the lung abscess (demand for granulocytes).			
* Lung		Abscess	
		Foreign Body	
	Alveolar Epith	Hyperplasia	Mild
		Inflammation	Chronic Active, Mild
Note: Abscess contains plant material (feed), bacteria, and granulocytes.			
[Abscess TGLS = 1-10]			
* Lymph Node, Mesenteric		Atrophy	Mild
* Spleen	Lymph Follic	Atrophy	Marked
		Hematopoietic Cell Proliferation	Marked
* Stomach, Forestomach	Epithelium	Hyperplasia	Moderate
		Inflammation	Minimal
[Hyperplasia TGLS = 2-11]			
* Thymus		Atrophy	Moderate
		Infiltration Cellular	Plasma Cell, Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99023-04
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: beta-Myrcene
CAS Number: 123-35-3

Date Report Requested: 10/16/2014
Time Report Requested: 05:39:04
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 199

TRT#: 7

SEX: Male

DAY ON TEST: 113

DOSE: 1.0 G/KG

DISP: Dosing Accident

HISTO: 0401069

ORGAN AND ACCOUNTABLE SITE STATUS

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99023-04
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: beta-Myrcene
CAS Number: 123-35-3

Date Report Requested: 10/16/2014
Time Report Requested: 05:39:04
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 200

TRT#: 7

SEX: Male

DAY ON TEST: 309

DOSE: 1.0 G/KG

DISP: Dosing Accident

HISTO: 0401070

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Bone Marrow	* Brain
* Epididymis	* Eye	* Gallbladder	* Harderian Gland
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Islets, Pancreatic
* Lung	* Nose	* Pancreas	* Parathyroid Gland
* Pituitary Gland	* Preputial Gland	* Prostate	* Salivary Glands
* Seminal Vesicle	* Skin	* Stomach, Glandular	* Thyroid Gland
* Trachea	* Urinary Bladder		

MISSING

* Mammary Gland

AUTO PRECLUDES DIAG.

* Intestine Large, Cecum	* Intestine Small, Ileum	* Intestine Small, Jejunum
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OBSERVATIONS

* Adrenal Cortex	Subcapsular	Hyperplasia	Minimal
* Esophagus		Inflammation	Marked
		Necrosis	Marked
Note: The esophageal necrosis and inflammation are within the thoracic portion - i.e. between the sections of lung.			
* Heart		Mineralization	Minimal
* Kidney		Mineralization	Mild
	Renal Tubule	Necrosis	Moderate
* Liver		Fatty Change	Minimal
	Hepatocyte	Hypertrophy	Minimal
		Inflammation	Chronic Active, Minimal
		Vacuolization Cytoplasmic	Minimal
* Lymph Node, Mandibular		Atrophy	Moderate
* Lymph Node, Mesenteric		Atrophy	Mild
* Spleen	Lymph Follic	Atrophy	Marked
* Stomach, Forestomach	Epithelium	Hyperplasia	Minimal
* Testes	Germinal Epith	Degeneration	Mild
	Germinal Epith	Mineralization	Mild
* Thymus		Atrophy	Marked

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99023-04
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: beta-Myrcene
CAS Number: 123-35-3

Date Report Requested: 10/16/2014
Time Report Requested: 05:39:04
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 200

TRT#: 7

SEX: Male

DAY ON TEST: 309

DOSE: 1.0 G/KG

DISP: Dosing Accident

HISTO: 0401070

ORGAN AND ACCOUNTABLE SITE STATUS

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99023-04
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: beta-Myrcene
CAS Number: 123-35-3

Date Report Requested: 10/16/2014
Time Report Requested: 05:39:04
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 201

TRT#: 2
DOSE: 0 G/KG

SEX: Female
DISP: Terminal Sacrifice

DAY ON TEST: 728
HISTO: 0401071

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Bone Marrow	* Brain
* Clitoral Gland	* Esophagus	* Eye	* Gallbladder
* Harderian Gland	* Heart	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Mammary Gland
* Nose	* Ovary	* Pancreas	* Parathyroid Gland
* Pituitary Gland	* Salivary Glands	* Skin	* Spleen
* Stomach, Forestomach	* Stomach, Glandular	* Thymus	* Thyroid Gland
* Trachea	* Urinary Bladder		

OBSERVATIONS

* Adrenal Cortex	Subcapsular	Hyperplasia	Moderate
* Kidney		Nephropathy	Minimal
* Liver		Fatty Change	Mild
		Inflammation	Chronic Active, Minimal
* Lung		Inflammation	Chronic Active, Minimal
* Uterus	Endometrium	Hyperplasia	Moderate

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99023-04
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: beta-Myrcene
CAS Number: 123-35-3

Date Report Requested: 10/16/2014
Time Report Requested: 05:39:04
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 202

TRT#: 2
DOSE: 0 G/KG

SEX: Female
DISP: Terminal Sacrifice

DAY ON TEST: 728
HISTO: 0401072

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Bone	* Brain	* Clitoral Gland	* Esophagus
* Eye	* Gallbladder	* Harderian Gland	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Lung	* Lymph Node, Mandibular
* Lymph Node, Mesenteric	* Mammary Gland	* Nose	* Pancreas
* Pituitary Gland	* Salivary Glands	* Skin	* Stomach, Forestomach
* Stomach, Glandular	* Thymus	* Thyroid Gland	* Trachea
* Urinary Bladder			

OBSERVATIONS

* Adrenal Cortex	Subcapsular	Hyperplasia	Moderate
* Adrenal Medulla		Hyperplasia	Mild
* Bone Marrow		Myelofibrosis	Mild
* Heart		Cardiomyopathy	Minimal
* Kidney		Mineralization	Minimal
		Nephropathy	Mild
* Liver		Fatty Change	Mild
		Inflammation	Chronic Active, Minimal
Mesentery	Fat	Necrosis	Minimal

Note: Fat has chronic inflammation, diagnosed as necrosis in all mice with similar findings since both necrosis and inflammation are usually part of the same process.
 [Necrosis TGLS = 1-10]

* Ovary		Atrophy	Moderate
* Parathyroid Gland		Infiltration Cellular	Lymphocyte, Minimal
* Spleen		Hematopoietic Cell Proliferation	Minimal
		Pigmentation	Hemosiderin, Minimal
* Uterus	Endometrium	Hyperplasia	Moderate

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99023-04
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: beta-Myrcene
CAS Number: 123-35-3

Date Report Requested: 10/16/2014
Time Report Requested: 05:39:04
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 203

TRT#: 2
DOSE: 0 G/KG

SEX: Female
DISP: Terminal Sacrifice

DAY ON TEST: 729
HISTO: 0401073

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Brain	* Clitoral Gland
* Esophagus	* Eye	* Harderian Gland	* Heart
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Lung
* Mammary Gland	* Nose	* Parathyroid Gland	* Pituitary Gland
* Salivary Glands	* Skin	* Stomach, Forestomach	* Stomach, Glandular
* Thyroid Gland	* Trachea	* Urinary Bladder	

OBSERVATIONS

* Adrenal Cortex	Subcapsular	Hyperplasia	Moderate
* Bone Marrow		Myelofibrosis	Minimal
* Eye			
Note: One eye is missing on slide - portion present is best available.			
* Gallbladder		Lymphoma Malignant	
* Kidney		Mineralization	Minimal
		Nephropathy	Minimal
* Liver		Fatty Change	Minimal
		Inflammation	Chronic Active, Minimal
		Lymphoma Malignant	
Lymph Node	Mediastinal	Lymphoma Malignant	
* Lymph Node, Mandibular		Lymphoma Malignant	
* Lymph Node, Mesenteric		Lymphoma Malignant	
* Ovary		Atrophy	Mild
* Pancreas		Lymphoma Malignant	
* Spleen		Hematopoietic Cell Proliferation	Minimal
		Lymphoma Malignant	
[Lymphoma Malignant TGLS = 2-4]			
* Thymus		Atrophy	Minimal
* Uterus	Endometrium	Hyperplasia	Moderate
[Hyperplasia TGLS = 1-7]			

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99023-04
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: beta-Myrcene
CAS Number: 123-35-3

Date Report Requested: 10/16/2014
Time Report Requested: 05:39:04
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 204

TRT#: 2
DOSE: 0 G/KG

SEX: Female
DISP: Terminal Sacrifice

DAY ON TEST: 727
HISTO: 0401074

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Brain	* Clitoral Gland
* Esophagus	* Eye	* Gallbladder	* Heart
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Lung
* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Mammary Gland	* Nose
* Pancreas	* Parathyroid Gland	* Pituitary Gland	* Salivary Glands
* Skin	* Stomach, Forestomach	* Stomach, Glandular	* Thyroid Gland
* Trachea	* Urinary Bladder		

OBSERVATIONS

* Adrenal Cortex	Subcapsular	Hyperplasia	Moderate
* Bone Marrow		Myelofibrosis	Mild
* Harderian Gland		Adenoma	
* Kidney		Nephropathy	Minimal
* Liver		Fatty Change	Minimal
		Inflammation	Chronic Active, Minimal
* Ovary		Atrophy	Moderate
* Spleen		Hematopoietic Cell Proliferation	Minimal
		Pigmentation	Hemosiderin, Minimal
* Thymus		Atrophy	Mild
* Uterus	Endometrium	Hyperplasia	Marked

[Hyperplasia TGLS = 1-7]

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99023-04
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: beta-Myrcene
CAS Number: 123-35-3

Date Report Requested: 10/16/2014
Time Report Requested: 05:39:04
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 205

TRT#: 2

SEX: Female

DAY ON TEST: 727

DOSE: 0 G/KG

DISP: Terminal Sacrifice

HISTO: 0401075

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Bone Marrow	* Brain
* Clitoral Gland	* Esophagus	* Eye	* Gallbladder
* Harderian Gland	* Heart	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Lung	* Lymph Node, Mandibular	* Lymph Node, Mesenteric
* Mammary Gland	* Nose	* Pancreas	* Parathyroid Gland
* Pituitary Gland	* Salivary Glands	* Skin	* Spleen
* Stomach, Forestomach	* Stomach, Glandular	* Thymus	* Thyroid Gland
* Trachea	* Urinary Bladder		

OBSERVATIONS

* Adrenal Cortex	Subcapsular	Hyperplasia	Moderate
* Kidney		Infiltration Cellular	Lymphocyte, Moderate
* Liver		Inflammation	Chronic Active, Minimal
		Tension Lipidosis	Minimal
Mesentery	Fat	Necrosis	Mild
[Necrosis TGLS = 1-10]			
* Ovary		Atrophy	Moderate
	Follicle	Cyst	Mild
* Uterus	Endometrium	Hyperplasia	Marked
[Hyperplasia TGLS = 2-7]			

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99023-04
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: beta-Myrcene
CAS Number: 123-35-3

Date Report Requested: 10/16/2014
Time Report Requested: 05:39:04
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 206

TRT#: 2
DOSE: 0 G/KG

SEX: Female
DISP: Terminal Sacrifice

DAY ON TEST: 727
HISTO: 0401076

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Bone Marrow	* Brain
* Clitoral Gland	* Esophagus	* Eye	* Gallbladder
* Harderian Gland	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Lung	* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Mammary Gland
* Nose	* Pancreas	* Parathyroid Gland	* Pituitary Gland
* Salivary Glands	* Skin	* Stomach, Forestomach	* Stomach, Glandular
* Thyroid Gland	* Trachea	* Urinary Bladder	

OBSERVATIONS

* Adrenal Cortex	Subcapsular	Hyperplasia	Moderate
* Eye			
Note: Optic nerve was not present in block or wet tissue.			
* Heart	Coron Artery	Inflammation	Mild
* Kidney		Nephropathy	Minimal
* Liver		Inflammation	Chronic Active, Minimal
Mesentery	Fat	Necrosis	Mild
[Necrosis TGLS = 2-10]			
* Ovary		Atrophy	Moderate
* Spleen		Hematopoietic Cell Proliferation	Mild
		Pigmentation	Hemosiderin, Minimal
* Thymus		Atrophy	Minimal
* Uterus	Endometrium	Hyperplasia	Marked
[Hyperplasia TGLS = 1-7]			

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99023-04
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: beta-Myrcene
CAS Number: 123-35-3

Date Report Requested: 10/16/2014
Time Report Requested: 05:39:04
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 207

TRT#: 2
DOSE: 0 G/KG

SEX: Female
DISP: Terminal Sacrifice

DAY ON TEST: 728
HISTO: 0401077

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Bone Marrow	* Brain
* Clitoral Gland	* Esophagus	* Eye	* Harderian Gland
* Heart	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Mammary Gland	* Nose
* Pancreas	* Parathyroid Gland	* Pituitary Gland	* Salivary Glands
* Skin	* Stomach, Forestomach	* Stomach, Glandular	* Thyroid Gland
* Trachea	* Urinary Bladder		

MISSING

* Gallbladder

OBSERVATIONS

* Adrenal Cortex	Subcapsular	Adenoma	
	Subcapsular	Hyperplasia	Moderate
* Kidney		Nephropathy	Minimal
* Liver		Inflammation	Chronic Active, Minimal
* Lung	Serosa	Fibrosis	Focal, Moderate
[Fibrosis TGLS = 2-3]			
* Ovary		Cystadenoma	
* Spleen		Hematopoietic Cell Proliferation	Minimal
* Thymus		Atrophy	Moderate
* Uterus	Endometrium	Hyperplasia	Mild
[Hyperplasia TGLS = 1-7]			

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99023-04
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: beta-Myrcene
CAS Number: 123-35-3

Date Report Requested: 10/16/2014
Time Report Requested: 05:39:04
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 208

TRT#: 2
DOSE: 0 G/KG

SEX: Female
DISP: Terminal Sacrifice

DAY ON TEST: 728
HISTO: 0401078

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Bone Marrow	* Brain
* Clitoral Gland	* Esophagus	* Eye	* Gallbladder
* Harderian Gland	* Heart	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Lung	* Lymph Node, Mandibular	* Lymph Node, Mesenteric
* Mammary Gland	* Nose	* Pancreas	* Parathyroid Gland
* Pituitary Gland	* Salivary Glands	* Skin	* Stomach, Forestomach
* Stomach, Glandular	* Thyroid Gland	* Trachea	* Urinary Bladder

OBSERVATIONS

* Adrenal Cortex	Subcapsular	Hyperplasia	Moderate
* Kidney		Nephropathy	Minimal
* Liver		Fatty Change	Mild
		Hepatocellular Adenoma	
		Inflammation	Chronic Active, Minimal
[Hepatocellular Adenoma TGLS = 1-10]			
* Ovary		Atrophy	Minimal
* Spleen		Hematopoietic Cell Proliferation	Mild
		Pigmentation	Hemosiderin, Mild
* Thymus		Atrophy	Minimal
* Uterus	Endometrium	Hyperplasia	Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99023-04
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: beta-Myrcene
CAS Number: 123-35-3

Date Report Requested: 10/16/2014
Time Report Requested: 05:39:04
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 209

TRT#: 2
DOSE: 0 G/KG

SEX: Female
DISP: Terminal Sacrifice

DAY ON TEST: 728
HISTO: 0401079

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Brain	* Clitoral Gland
* Esophagus	* Eye	* Gallbladder	* Harderian Gland
* Heart	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Kidney	* Lung	* Lymph Node, Mandibular	* Mammary Gland
* Nose	* Ovary	* Pancreas	* Parathyroid Gland
* Pituitary Gland	* Salivary Glands	* Skin	* Stomach, Forestomach
* Thymus	* Thyroid Gland	* Trachea	* Urinary Bladder

INSUFFICIENT TISSUE

* Lymph Node, Mesenteric

OBSERVATIONS

* Adrenal Cortex	Subcapsular	Hyperplasia	Moderate
* Bone Marrow		Myelofibrosis	Minimal
* Eye			
Note: Optic nerves were in B02 with brain section.			
* Liver		Inflammation	Chronic Active, Minimal
		Tension Lipidosis	Minimal
* Spleen		Hyperplasia	Lymphoid, Mild
		Pigmentation	Hemosiderin, Minimal
* Stomach, Glandular		Cytoplasmic Alteration	Focal, Minimal
* Uterus	Endometrium	Hyperplasia	Marked
[Hyperplasia TGLS = 1-7]			

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99023-04
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: beta-Myrcene
CAS Number: 123-35-3

Date Report Requested: 10/16/2014
Time Report Requested: 05:39:04
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 210

TRT#: 2
DOSE: 0 G/KG

SEX: Female
DISP: Natural Death

DAY ON TEST: 622
HISTO: 0401080

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Brain	* Clitoral Gland
* Esophagus	* Eye	* Harderian Gland	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Lung	* Mammary Gland
* Nose	* Pancreas	* Parathyroid Gland	* Pituitary Gland
* Salivary Glands	* Stomach, Forestomach	* Stomach, Glandular	* Thyroid Gland
* Trachea	* Urinary Bladder		

MISSING

* Gallbladder

OBSERVATIONS

* Adrenal Cortex	Subcapsular	Hyperplasia	Moderate
* Bone Marrow	Myeloid Cell	Hyperplasia	Mild
* Heart	Valve	Thrombosis	Moderate
Note: Valvular thrombosis is septic (bacteria present).			
* Kidney	Papilla	Inflammation	Mild
* Liver		Fatty Change	Mild
		Necrosis	Minimal
* Lymph Node, Mandibular		Atrophy	Mild
* Lymph Node, Mesenteric		Atrophy	Mild
* Ovary		Atrophy	Moderate
* Skin		Basosquamous Tumor Benign	
Note: No corresponding microscopic finding for TGL-1 (ulcer). [Basosquamous Tumor Benign TGLS = 2-10]			
* Spleen	Lymph Follic	Atrophy	Minimal
		Hematopoietic Cell Proliferation	Marked
[Hematopoietic Cell Proliferation TGLS = 3-4]			
* Thymus		Atrophy	Marked
* Uterus	Endometrium	Hyperplasia	Minimal

PRIMARY CAUSE OF DEATH - Skin Basosquamous Tumor Benign

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99023-04
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: beta-Myrcene
CAS Number: 123-35-3

Date Report Requested: 10/16/2014
Time Report Requested: 05:39:04
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 211

TRT#: 2
DOSE: 0 G/KG

SEX: Female
DISP: Terminal Sacrifice

DAY ON TEST: 727
HISTO: 0401081

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Bone Marrow	* Brain
* Clitoral Gland	* Esophagus	* Eye	* Gallbladder
* Harderian Gland	* Heart	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Kidney	* Lung	* Lymph Node, Mandibular
* Mammary Gland	* Pancreas	* Parathyroid Gland	* Pituitary Gland
* Salivary Glands	* Skin	* Stomach, Glandular	* Thymus
* Trachea	* Urinary Bladder		

INSUFFICIENT TISSUE

* Lymph Node, Mesenteric

OBSERVATIONS

* Adrenal Cortex	Subcapsular	Hyperplasia	Moderate
* Liver		Eosinophilic Focus	
		Fatty Change	Mild
		Hematopoietic Cell Proliferation	Minimal
		Hepatocellular Carcinoma	
		Inflammation	Chronic Active, Minimal
[Hepatocellular Carcinoma TGLS = 1-10]			
* Nose	Respirat Epith	Hyperplasia	Mild
* Ovary		Atrophy	Mild
* Spleen		Hematopoietic Cell Proliferation	Minimal
		Pigmentation	Hemosiderin, Minimal
* Stomach, Forestomach	Epithelium	Hyperplasia	Marked
[Hyperplasia TGLS = 2-11]			
* Thyroid Gland		Inflammation	Minimal
Tooth		Dysplasia	
* Uterus	Endometrium	Hyperplasia	Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99023-04
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: beta-Myrcene
CAS Number: 123-35-3

Date Report Requested: 10/16/2014
Time Report Requested: 05:39:04
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 212

TRT#: 2
DOSE: 0 G/KG

SEX: Female
DISP: Terminal Sacrifice

DAY ON TEST: 728
HISTO: 0401082

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Brain	* Clitoral Gland
* Esophagus	* Eye	* Gallbladder	* Harderian Gland
* Heart	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Kidney	* Lung	* Lymph Node, Mandibular	* Lymph Node, Mesenteric
* Mammary Gland	* Nose	* Pancreas	* Parathyroid Gland
* Pituitary Gland	* Salivary Glands	* Skin	* Stomach, Forestomach
* Stomach, Glandular	* Thymus	* Thyroid Gland	* Trachea
* Urinary Bladder			

OBSERVATIONS

* Adrenal Cortex	Subcapsular	Hyperplasia	Mild
* Bone Marrow		Myelofibrosis	Minimal
* Liver		Fatty Change	Minimal
		Inflammation	Chronic Active, Minimal
Mesentery	Fat	Necrosis	Mild
[Necrosis TGLS = 1-10]			
* Ovary		Atrophy	Moderate
Note: One ovary was missing from block and wet tissue.			
* Spleen		Pigmentation	Hemosiderin, Minimal
* Uterus	Endometrium	Hyperplasia	Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99023-04
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: beta-Myrcene
CAS Number: 123-35-3

Date Report Requested: 10/16/2014
Time Report Requested: 05:39:04
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 213

TRT#: 2
DOSE: 0 G/KG

SEX: Female
DISP: Moribund Sacrifice

DAY ON TEST: 693
HISTO: 0401083

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Bone Marrow	* Brain
* Clitoral Gland	* Esophagus	* Eye	* Gallbladder
* Harderian Gland	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Lung	* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Mammary Gland
* Nose	* Pancreas	* Parathyroid Gland	* Pituitary Gland
* Salivary Glands	* Stomach, Forestomach	* Stomach, Glandular	* Thyroid Gland
* Trachea	* Urinary Bladder		

OBSERVATIONS

* Adrenal Cortex	Subcapsular	Hyperplasia	Moderate
Blood Vessel		Mineralization	Moderate
Note: Aorta is mineralized.			
* Heart		Cardiomyopathy	Minimal
* Kidney		Mineralization	Moderate
* Liver		Fatty Change	Minimal
		Inflammation	Chronic Active, Minimal
		Tension Lipidosis	Minimal
* Ovary		Atrophy	Marked
* Skin	Subcut Tiss	Sarcoma	
Note: Undifferentiated sarcoma. [Sarcoma TGLS = 1-10]			
* Spleen		Hematopoietic Cell Proliferation	Moderate
* Thymus		Atrophy	Minimal
* Uterus	Endometrium	Hyperplasia	Minimal

PRIMARY CAUSE OF DEATH - Skin Subcut Tiss Sarcoma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99023-04
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: beta-Myrcene
CAS Number: 123-35-3

Date Report Requested: 10/16/2014
Time Report Requested: 05:39:04
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 214

TRT#: 2
DOSE: 0 G/KG

SEX: Female
DISP: Moribund Sacrifice

DAY ON TEST: 622
HISTO: 0401084

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Bone Marrow	* Brain
* Clitoral Gland	* Esophagus	* Eye	* Gallbladder
* Harderian Gland	* Heart	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Kidney	* Lung	* Lymph Node, Mesenteric
* Mammary Gland	* Nose	* Pancreas	* Parathyroid Gland
* Pituitary Gland	* Salivary Glands	* Stomach, Forestomach	* Stomach, Glandular
* Thyroid Gland	* Trachea	* Urinary Bladder	

OBSERVATIONS

* Adrenal Cortex	Subcapsular	Hyperplasia	Moderate
* Liver		Hematopoietic Cell Proliferation	Minimal
		Inflammation	Chronic Active, Minimal
		Vacuolization Cytoplasmic	Mild
* Lymph Node, Mandibular		Hyperplasia	Lymphoid, Moderate
* Ovary		Atrophy	Mild
* Skin	Subcut Tiss	Fibroma	
	Subcut Tiss	Fibrosarcoma	
Note: TGL-1 is a myxomatous fibroma (or myxoma). [Fibroma TGLS = 1-10] [Fibrosarcoma TGLS = 2-11]			
* Spleen		Hematopoietic Cell Proliferation	Moderate
* Thymus		Atrophy	Mild
* Uterus	Endometrium	Hyperplasia	Moderate

PRIMARY CAUSE OF DEATH - Skin Subcut Tiss Fibrosarcoma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99023-04
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: beta-Myrcene
CAS Number: 123-35-3

Date Report Requested: 10/16/2014
Time Report Requested: 05:39:04
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 215

TRT#: 2

SEX: Female

DAY ON TEST: 727

DOSE: 0 G/KG

DISP: Terminal Sacrifice

HISTO: 0401085

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Bone Marrow	* Brain
* Clitoral Gland	* Eye	* Gallbladder	* Harderian Gland
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Kidney
* Lung	* Lymph Node, Mandibular	* Mammary Gland	* Nose
* Pancreas	* Parathyroid Gland	* Pituitary Gland	* Salivary Glands
* Skin	* Stomach, Forestomach	* Stomach, Glandular	* Thymus
* Thyroid Gland	* Trachea	* Urinary Bladder	

OBSERVATIONS

* Adrenal Cortex	Subcapsular	Hyperplasia	Moderate
* Esophagus	Muscularis	Degeneration	Minimal
		Inflammation	Minimal
* Heart		Cardiomyopathy	Minimal
* Liver		Inflammation	Chronic Active, Mild
		Tension Lipidosis	Minimal
* Lymph Node, Mesenteric		Atrophy	Mild
* Ovary		Atrophy	Moderate
* Spleen		Hematopoietic Cell Proliferation	Minimal
* Uterus	Endometrium	Hyperplasia	Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99023-04
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: beta-Myrcene
CAS Number: 123-35-3

Date Report Requested: 10/16/2014
Time Report Requested: 05:39:04
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 216

TRT#: 2
DOSE: 0 G/KG

SEX: Female
DISP: Moribund Sacrifice

DAY ON TEST: 706
HISTO: 0401086

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Brain	* Clitoral Gland
* Esophagus	* Gallbladder	* Heart	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Kidney	* Lung
* Lymph Node, Mesenteric	* Mammary Gland	* Nose	* Pancreas
* Pituitary Gland	* Salivary Glands	* Skin	* Stomach, Forestomach
* Stomach, Glandular	* Thymus	* Thyroid Gland	* Trachea
* Urinary Bladder			

MISSING

* Parathyroid Gland

OBSERVATIONS

* Adrenal Cortex	Subcapsular	Hyperplasia	Moderate
* Bone Marrow	Myeloid Cell	Hyperplasia	Minimal
* Eye	Cornea	Inflammation	Moderate
		Synechia	Marked
* Harderian Gland		Adenoma	
[Adenoma TGLS = 1-9]			
* Liver		Inflammation	Chronic Active, Minimal
* Lymph Node, Mandibular		Hyperplasia	Lymphoid, Moderate
* Ovary		Atrophy	Mild
* Spleen		Hematopoietic Cell Proliferation	Minimal
		Hyperplasia	Lymphoid, Mild
* Uterus	Endometrium	Hyperplasia	Marked
[Hyperplasia TGLS = 2-7]			

PRIMARY CAUSE OF DEATH

- Harderian Gland Adenoma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99023-04
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: beta-Myrcene
CAS Number: 123-35-3

Date Report Requested: 10/16/2014
Time Report Requested: 05:39:04
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 217

TRT#: 2
DOSE: 0 G/KG

SEX: Female
DISP: Terminal Sacrifice

DAY ON TEST: 728
HISTO: 0401087

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Bone Marrow	* Brain
* Clitoral Gland	* Esophagus	* Eye	* Gallbladder
* Harderian Gland	* Heart	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Kidney	* Lung	* Lymph Node, Mandibular
* Lymph Node, Mesenteric	* Mammary Gland	* Nose	* Pancreas
* Parathyroid Gland	* Pituitary Gland	* Salivary Glands	* Skin
* Spleen	* Stomach, Forestomach	* Stomach, Glandular	* Thymus
* Trachea	* Urinary Bladder		

OBSERVATIONS

* Adrenal Cortex	Subcapsular	Hyperplasia	Moderate
* Liver		Inflammation	Chronic Active, Minimal
* Lym Node Mesen			
Note: No corresponding microscopic finding for discoloration (TGL-2) of the mesenteric lymph node.			
* Ovary		Atrophy	Moderate
* Thyroid Gland	Follicle	Degeneration	Minimal
		Inflammation	Minimal
* Uterus	Endometrium	Hyperplasia	Moderate
[Hyperplasia TGLS = 1-7]			

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99023-04
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: beta-Myrcene
CAS Number: 123-35-3

Date Report Requested: 10/16/2014
Time Report Requested: 05:39:04
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 218

TRT#: 2
DOSE: 0 G/KG

SEX: Female
DISP: Terminal Sacrifice

DAY ON TEST: 727
HISTO: 0401088

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Bone Marrow	* Brain
* Clitoral Gland	* Esophagus	* Eye	* Gallbladder
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Lymph Node, Mandibular
* Mammary Gland	* Nose	* Pancreas	* Parathyroid Gland
* Pituitary Gland	* Salivary Glands	* Skin	* Stomach, Forestomach
* Stomach, Glandular	* Thymus	* Thyroid Gland	* Trachea
* Urinary Bladder	* Uterus		

OBSERVATIONS

* Adrenal Cortex	Subcapsular	Hyperplasia	Moderate
* Harderian Gland		Hyperplasia	Minimal
* Heart		Cardiomyopathy	Minimal
* Kidney		Infarct	Minimal
		Nephropathy	Minimal
* Liver		Fatty Change	Minimal
		Inflammation	Chronic Active, Minimal
* Lung		Alveolar/Bronchiolar Adenoma	
* Lymph Node, Mesenteric		Atrophy	Mild
Mesentery	Fat	Necrosis	Mild
[Necrosis TGLS = 1-10]			
* Ovary		Atrophy	Moderate
* Spleen		Hematopoietic Cell Proliferation	Minimal

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99023-04
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: beta-Myrcene
CAS Number: 123-35-3

Date Report Requested: 10/16/2014
Time Report Requested: 05:39:04
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 219

TRT#: 2
DOSE: 0 G/KG

SEX: Female
DISP: Terminal Sacrifice

DAY ON TEST: 729
HISTO: 0401089

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Bone Marrow	* Brain
* Clitoral Gland	* Esophagus	* Eye	* Gallbladder
* Harderian Gland	* Heart	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Kidney	* Lung	* Lymph Node, Mandibular
* Lymph Node, Mesenteric	* Mammary Gland	* Nose	* Pancreas
* Parathyroid Gland	* Pituitary Gland	* Salivary Glands	* Skin
* Stomach, Forestomach	* Stomach, Glandular	* Thymus	* Trachea
* Urinary Bladder			

OBSERVATIONS

* Adrenal Cortex	Subcapsular	Hyperplasia	Moderate
* Liver		Angiectasis	Mild
		Fatty Change	Mild
		Inflammation	Chronic Active, Minimal
		Tension Lipidosis	Minimal
[Angiectasis TGLS = 3-4]			
* Ovary	Follicle	Atrophy	Marked
		Cyst	Moderate
[Cyst TGLS = 1-7]			
* Spleen		Hematopoietic Cell Proliferation	Minimal
		Hyperplasia	Lymphoid, Mild
* Thyroid Gland	Follicular Cel	Adenoma	
* Uterus	Endometrium	Hyperplasia	Mild
[Hyperplasia TGLS = 2-7]			

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99023-04
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: beta-Myrcene
CAS Number: 123-35-3

Date Report Requested: 10/16/2014
Time Report Requested: 05:39:04
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 220

TRT#: 2

SEX: Female

DAY ON TEST: 728

DOSE: 0 G/KG

DISP: Terminal Sacrifice

HISTO: 0401090

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Bone Marrow	* Brain
* Clitoral Gland	* Esophagus	* Eye	* Gallbladder
* Harderian Gland	* Heart	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Kidney	* Lung	* Lymph Node, Mandibular
* Lymph Node, Mesenteric	* Mammary Gland	* Nose	* Pancreas
* Parathyroid Gland	* Pituitary Gland	* Salivary Glands	* Skin
* Spleen	* Stomach, Forestomach	* Stomach, Glandular	* Thyroid Gland
* Trachea	* Urinary Bladder		

OBSERVATIONS

* Adrenal Cortex	Subcapsular	Hyperplasia	Moderate
* Liver		Inflammation	Chronic Active, Minimal
* Ovary		Atrophy	Minimal
* Thymus		Atrophy	Minimal
* Uterus	Endometrium	Hyperplasia	Marked

[Hyperplasia TGLS = 1-7]

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99023-04
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: beta-Myrcene
CAS Number: 123-35-3

Date Report Requested: 10/16/2014
Time Report Requested: 05:39:04
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 221

TRT#: 2
DOSE: 0 G/KG

SEX: Female
DISP: Moribund Sacrifice

DAY ON TEST: 497
HISTO: 0401091

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Clitoral Gland	* Esophagus
* Heart	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Mammary Gland	* Pituitary Gland	* Skin	

OBSERVATIONS

* Adrenal Cortex	Subcapsular	Hyperplasia Lymphoma Malignant	Minimal
* Bone Marrow		Lymphoma Malignant	
* Brain		Lymphoma Malignant	
* Eye	Sclera	Lymphoma Malignant	
Note: Lymphoma is in sclera and periocular muscles.			
* Gallbladder		Lymphoma Malignant	
* Harderian Gland		Lymphoma Malignant	
* Int Lg Cecum			
Note: There was no corresponding lesion for the gross finding of thickening of the cecum (TGL-5).			
* Kidney	Glomerulus	Amyloid Deposition Lymphoma Malignant	Moderate
* Liver		Fatty Change Lymphoma Malignant Tension Lipidosis Vacuolization Cytoplasmic	Moderate Minimal Marked
[Fatty Change TGLS = 1-3+4+5]			
[Vacuolization Cytoplasmic TGLS = 1-3+4+5]			
* Lung		Lymphoma Malignant	
Lymph Node	Lumbar	Lymphoma Malignant	
	Mediastinal	Lymphoma Malignant	
	Renal	Lymphoma Malignant	
[Lymphoma Malignant TGLS = 2-10]			
[Lymphoma Malignant TGLS = 7-12]			
[Lymphoma Malignant TGLS = 3-11]			

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99023-04
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: beta-Myrcene
CAS Number: 123-35-3

Date Report Requested: 10/16/2014
Time Report Requested: 05:39:04
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 221

TRT#: 2
DOSE: 0 G/KG

SEX: Female
DISP: Moribund Sacrifice

DAY ON TEST: 497
HISTO: 0401091

ORGAN AND ACCOUNTABLE SITE STATUS

* Lymph Node, Mandibular [Lymphoma Malignant TGLS = 6-2]		Lymphoma Malignant	
* Lymph Node, Mesenteric [Lymphoma Malignant TGLS = 4-5]		Lymphoma Malignant	
Mesentery		Lymphoma Malignant	
* Nose		Lymphoma Malignant	
* Ovary		Atrophy	Marked
		Lymphoma Malignant	
* Pancreas		Lymphoma Malignant	
* Parathyroid Gland		Lymphoma Malignant	
* Salivary Glands		Lymphoma Malignant	
* Spleen		Hematopoietic Cell Proliferation	Moderate
		Lymphoma Malignant	
* Stomach, Forestomach	Epithelium	Hyperplasia	Mild
		Lymphoma Malignant	
		Ulcer	Minimal
* Stomach, Glandular		Lymphoma Malignant	
* Thymus		Lymphoma Malignant	
* Thyroid Gland		Lymphoma Malignant	
* Trachea		Lymphoma Malignant	
* Urinary Bladder		Lymphoma Malignant	
* Uterus		Lymphoma Malignant	

PRIMARY CAUSE OF DEATH - Pancreas Lymphoma Malignant

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99023-04
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: beta-Myrcene
CAS Number: 123-35-3

Date Report Requested: 10/16/2014
Time Report Requested: 05:39:04
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 222

TRT#: 2

SEX: Female

DAY ON TEST: 727

DOSE: 0 G/KG

DISP: Terminal Sacrifice

HISTO: 0401092

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Bone Marrow	* Brain
* Esophagus	* Eye	* Gallbladder	* Harderian Gland
* Heart	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Kidney	* Lung	* Lymph Node, Mandibular	* Lymph Node, Mesenteric
* Mammary Gland	* Nose	* Pancreas	* Parathyroid Gland
* Pituitary Gland	* Salivary Glands	* Skin	* Stomach, Forestomach
* Stomach, Glandular	* Thymus	* Thyroid Gland	* Trachea
* Urinary Bladder			

MISSING

* Clitoral Gland

OBSERVATIONS

* Adrenal Cortex	Subcapsular	Hyperplasia	Moderate
* Liver		Fatty Change	Mild
		Inflammation	Chronic Active, Minimal
* Ovary		Atrophy	Mild
* Spleen		Hematopoietic Cell Proliferation	Minimal
* Uterus	Endometrium	Hyperplasia	Marked

[Hyperplasia TGLS = 1-7]

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99023-04
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: beta-Myrcene
CAS Number: 123-35-3

Date Report Requested: 10/16/2014
Time Report Requested: 05:39:04
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 223

TRT#: 2
DOSE: 0 G/KG

SEX: Female
DISP: Terminal Sacrifice

DAY ON TEST: 728
HISTO: 0401093

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Bone Marrow	* Brain
* Clitoral Gland	* Esophagus	* Eye	* Gallbladder
* Harderian Gland	* Heart	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Lung	* Lymph Node, Mandibular	* Lymph Node, Mesenteric
* Mammary Gland	* Nose	* Pancreas	* Parathyroid Gland
* Pituitary Gland	* Salivary Glands	* Skin	* Stomach, Forestomach
* Stomach, Glandular	* Thymus	* Thyroid Gland	* Trachea
* Urinary Bladder			

OBSERVATIONS

* Adrenal Cortex	Subcapsular	Hyperplasia	Moderate
* Kidney		Mineralization	Minimal
* Liver		Basophilic Focus	
		Fatty Change	Mild
		Inflammation	Chronic Active, Minimal
Mesentery	Fat	Necrosis	Minimal
[Necrosis TGLS = 1-10]			
* Ovary		Atrophy	Moderate
* Spleen		Hematopoietic Cell Proliferation	Minimal
* Uterus	Endometrium	Hyperplasia	Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99023-04
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: beta-Myrcene
CAS Number: 123-35-3

Date Report Requested: 10/16/2014
Time Report Requested: 05:39:04
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 224

TRT#: 2
DOSE: 0 G/KG

SEX: Female
DISP: Natural Death

DAY ON TEST: 540
HISTO: 0401094

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Brain	* Clitoral Gland
* Esophagus	* Eye	* Gallbladder	* Harderian Gland
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Kidney
* Lymph Node, Mandibular	* Mammary Gland	* Nose	* Pancreas
* Parathyroid Gland	* Pituitary Gland	* Salivary Glands	* Skin
* Stomach, Forestomach	* Stomach, Glandular	* Thyroid Gland	* Trachea
* Urinary Bladder			

OBSERVATIONS

* Adrenal Cortex	Subcapsular	Hyperplasia	Moderate
* Bone Marrow		Atrophy	Mild
		Myelofibrosis	Minimal
* Heart		Cardiomyopathy	Minimal
* Liver		Fatty Change	Mild
* Lung		Alveolar/Bronchiolar Adenoma	
* Lymph Node, Mesenteric		Atrophy	Mild
* Ovary		Atrophy	Minimal
* Spleen	Lymph Follic	Atrophy	Mild
		Pigmentation	Hemosiderin, Minimal
* Thymus		Atrophy	Marked
* Uterus	Endometrium	Hyperplasia	Marked

[Hyperplasia TGLS = 1-7]

PRIMARY CAUSE OF DEATH - UNCERTAIN

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99023-04
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: beta-Myrcene
CAS Number: 123-35-3

Date Report Requested: 10/16/2014
Time Report Requested: 05:39:04
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 225

TRT#: 2
DOSE: 0 G/KG

SEX: Female
DISP: Terminal Sacrifice

DAY ON TEST: 727
HISTO: 0401095

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Brain	* Clitoral Gland	* Esophagus
* Eye	* Gallbladder	* Heart	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Kidney	* Lymph Node, Mandibular
* Mammary Gland	* Nose	* Pancreas	* Parathyroid Gland
* Pituitary Gland	* Salivary Glands	* Skin	* Stomach, Forestomach
* Thyroid Gland	* Trachea		

OBSERVATIONS

* Adrenal Cortex	Subcapsular	Hyperplasia	Moderate
* Bone	Joint	Degeneration	Mild
	Tibia	Osteosclerosis	Mild
* Bone Marrow		Myelofibrosis	Minimal
* Harderian Gland		Fibrosis	Moderate
[Fibrosis TGLS = 2-9]			
* Liver		Fatty Change	Minimal
		Hematopoietic Cell Proliferation	Mild
		Inflammation	Chronic Active, Minimal
* Lung		Alveolar/Bronchiolar Carcinoma	
	Alveolus	Infiltration Cellular	Histiocyte, Mild
[Alveolar/Bronchiolar Carcinoma TGLS = 3-10]			
* Lymph Node, Mesenteric		Hyperplasia	Lymphoid, Minimal
* Ovary		Atrophy	Mild
* Spleen		Hematopoietic Cell Proliferation	Mild
[Hematopoietic Cell Proliferation TGLS = 1-4]			
* Stomach, Glandular		Inflammation	Minimal
* Thymus		Atrophy	Minimal
* Urinary Bladder		Infiltration Cellular	Lymphocyte, Mild
* Uterus	Endometrium	Hyperplasia	Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99023-04
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: beta-Myrcene
CAS Number: 123-35-3

Date Report Requested: 10/16/2014
Time Report Requested: 05:39:04
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 226

TRT#: 2

SEX: Female

DAY ON TEST: 728

DOSE: 0 G/KG

DISP: Terminal Sacrifice

HISTO: 0401096

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Bone Marrow	* Brain
* Clitoral Gland	* Esophagus	* Eye	* Gallbladder
* Harderian Gland	* Heart	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Kidney	* Lung	* Lymph Node, Mandibular
* Lymph Node, Mesenteric	* Mammary Gland	* Nose	* Pancreas
* Parathyroid Gland	* Pituitary Gland	* Salivary Glands	* Skin
* Stomach, Forestomach	* Stomach, Glandular	* Thymus	* Thyroid Gland
* Trachea	* Urinary Bladder		

OBSERVATIONS

* Adrenal Cortex	Subcapsular	Hyperplasia	Moderate
* Liver		Fatty Change	Mild
		Inflammation	Chronic Active, Minimal
* Ovary		Atrophy	Mild
* Spleen		Hematopoietic Cell Proliferation	Mild
* Uterus	Endometrium	Hyperplasia	Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99023-04
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: beta-Myrcene
CAS Number: 123-35-3

Date Report Requested: 10/16/2014
Time Report Requested: 05:39:04
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 227

TRT#: 2
DOSE: 0 G/KG

SEX: Female
DISP: Terminal Sacrifice

DAY ON TEST: 729
HISTO: 0401097

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Brain	* Clitoral Gland
* Esophagus	* Eye	* Gallbladder	* Harderian Gland
* Heart	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Lung	* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Mammary Gland
* Nose	* Pancreas	* Parathyroid Gland	* Pituitary Gland
* Salivary Glands	* Stomach, Glandular	* Thyroid Gland	* Trachea
* Urinary Bladder			

OBSERVATIONS

* Adrenal Cortex	Subcapsular	Hyperplasia	Moderate
* Bone Marrow		Hemangiosarcoma	Metastatic (Skin)
* Kidney		Nephropathy	Minimal
* Liver		Hemangiosarcoma	Metastatic (Skin)
		Hematopoietic Cell Proliferation	Minimal
		Hepatocellular Adenoma	
		Inflammation	Chronic Active, Minimal
[Hepatocellular Adenoma TGLS = 2-10]			
Lymph Node	Renal	Ectasia	Marked
[Ectasia TGLS = 5-10]			
Mesentery	Fat	Necrosis	Minimal
* Ovary		Atrophy	Moderate
* Skin	Subcut Tiss	Hemangiosarcoma	
[Hemangiosarcoma TGLS = 1-11]			
* Spleen	Lymph Follic	Atrophy	Moderate
		Hemangiosarcoma	Metastatic (Skin)
		Hematopoietic Cell Proliferation	Moderate
[Hemangiosarcoma TGLS = 3-4]			
* Stomach, Forestomach	Epithelium	Hyperplasia	Minimal
* Thymus		Atrophy	Minimal
* Uterus	Endometrium	Hyperplasia	Mild

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99023-04
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: beta-Myrcene
CAS Number: 123-35-3

Date Report Requested: 10/16/2014
Time Report Requested: 05:39:04
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 227

TRT#: 2
DOSE: 0 G/KG

SEX: Female
DISP: Terminal Sacrifice

DAY ON TEST: 729
HISTO: 0401097

ORGAN AND ACCOUNTABLE SITE STATUS

[Hyperplasia TGLS = 4-7]

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99023-04
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: beta-Myrcene
CAS Number: 123-35-3

Date Report Requested: 10/16/2014
Time Report Requested: 05:39:04
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 228

TRT#: 2
DOSE: 0 G/KG

SEX: Female
DISP: Terminal Sacrifice

DAY ON TEST: 727
HISTO: 0401098

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Bone Marrow	* Brain
* Clitoral Gland	* Esophagus	* Eye	* Gallbladder
* Heart	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Kidney	* Lung	* Lymph Node, Mandibular	* Mammary Gland
* Nose	* Pancreas	* Parathyroid Gland	* Salivary Glands
* Skin	* Stomach, Forestomach	* Stomach, Glandular	* Thymus
* Thyroid Gland	* Trachea	* Urinary Bladder	

OBSERVATIONS

* Adrenal Cortex	Subcapsular	Hyperplasia	Moderate
* Harderian Gland		Adenoma	
* Liver		Fatty Change	Minimal
		Inflammation	Chronic Active, Minimal
* Lymph Node, Mesenteric		Lymphoma Malignant	
[Lymphoma Malignant TGLS = 2-5]			
* Ovary		Atrophy	Minimal
* Pituitary Gland	Pars Distalis	Adenoma	
* Spleen		Hematopoietic Cell Proliferation	Minimal
		Hyperplasia	Lymphoid, Mild
* Uterus	Endometrium	Hyperplasia	Marked
[Hyperplasia TGLS = 1-7]			

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99023-04
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: beta-Myrcene
CAS Number: 123-35-3

Date Report Requested: 10/16/2014
Time Report Requested: 05:39:04
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 229

TRT#: 2
DOSE: 0 G/KG

SEX: Female
DISP: Terminal Sacrifice

DAY ON TEST: 728
HISTO: 0401099

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Brain	* Clitoral Gland
* Esophagus	* Eye	* Gallbladder	* Harderian Gland
* Heart	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Lung	* Lymph Node, Mesenteric	* Mammary Gland	* Nose
* Pancreas	* Parathyroid Gland	* Pituitary Gland	* Salivary Glands
* Spleen	* Stomach, Glandular	* Thyroid Gland	* Trachea
* Urinary Bladder	* Uterus		

OBSERVATIONS

* Adrenal Cortex	Subcapsular	Hyperplasia	Moderate
Blood Vessel	Media	Degeneration	Mild
		Inflammation	Chronic Active, Mild
Note: Mesenteric artery inflammation and degeneration.			
* Bone Marrow		Myelofibrosis	Minimal
* Kidney		Mineralization	Minimal
		Nephropathy	Minimal
* Liver		Eosinophilic Focus	
		Inflammation	Chronic Active, Minimal
[Eosinophilic Focus TGLS = 4-10]			
* Lymph Node, Mandibular		Lymphoma Malignant	
Mesentery	Fat	Necrosis	Mild
[Necrosis TGLS = 2-10]			
* Ovary		Atrophy	Marked
* Skin	Subcut Tiss	Fibrosis	Mild
* Stomach, Forestomach		Squamous Cell Papilloma	
[Squamous Cell Papilloma TGLS = 3-11]			
* Thymus		Lymphoma Malignant	
[Lymphoma Malignant TGLS = 1-6]			

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99023-04
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: beta-Myrcene
CAS Number: 123-35-3

Date Report Requested: 10/16/2014
Time Report Requested: 05:39:04
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 230

TRT#: 2
DOSE: 0 G/KG

SEX: Female
DISP: Terminal Sacrifice

DAY ON TEST: 727
HISTO: 0401100

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Clitoral Gland	* Esophagus
* Eye	* Gallbladder	* Harderian Gland	* Heart
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Lymph Node, Mandibular
* Lymph Node, Mesenteric	* Mammary Gland	* Nose	* Pancreas
* Parathyroid Gland	* Salivary Glands	* Skin	* Stomach, Forestomach
* Stomach, Glandular	* Thyroid Gland	* Trachea	* Urinary Bladder

OBSERVATIONS

* Adrenal Cortex	Subcapsular	Hyperplasia	Moderate
* Bone Marrow		Myelofibrosis	Minimal
* Brain	Vein	Infiltration Cellular	Lymphocyte, Mild
* Kidney		Mineralization	Minimal
	Papilla	Necrosis	Mild
		Nephropathy	Minimal
* Liver		Fatty Change	Minimal
		Inflammation	Chronic Active, Minimal
* Lung	Alveolus	Infiltration Cellular	Histiocyte, Minimal
* Ovary		Atrophy	Moderate
		Luteoma	
* Pituitary Gland	Pars Distalis	Hyperplasia	Mild
* Spleen		Hematopoietic Cell Proliferation	Minimal
* Thymus		Atrophy	Minimal
* Uterus	Endometrium	Hyperplasia	Mild

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99023-04
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: beta-Myrcene
CAS Number: 123-35-3

Date Report Requested: 10/16/2014
Time Report Requested: 05:39:04
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 231

TRT#: 2
DOSE: 0 G/KG

SEX: Female
DISP: Terminal Sacrifice

DAY ON TEST: 727
HISTO: 0401101

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Bone Marrow	* Brain
* Clitoral Gland	* Esophagus	* Eye	* Gallbladder
* Harderian Gland	* Heart	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Kidney	* Lymph Node, Mandibular	* Lymph Node, Mesenteric
* Mammary Gland	* Nose	* Parathyroid Gland	* Pituitary Gland
* Salivary Glands	* Skin	* Stomach, Glandular	* Thymus
* Thyroid Gland	* Trachea	* Urinary Bladder	* Uterus

OBSERVATIONS

* Adrenal Cortex	Subcapsular	Hyperplasia	Moderate
Blood Vessel			
Note: Aorta was missing from block and wet tissues.			
* Liver		Basophilic Focus	
		Fatty Change	Moderate
		Hepatocellular Adenoma	
		Inflammation	Chronic Active, Minimal
[Hepatocellular Adenoma TGLS = 4-10]			
* Lung		Alveolar/Bronchiolar Adenoma	
Mesentery		Hemangioma	
	Fat	Necrosis	Moderate
[Hemangioma TGLS = 3-11]			
[Necrosis TGLS = 2-10]			
* Ovary	Follicle	Cyst	Mild
* Pancreas		Atrophy	Marked
[Atrophy TGLS = 1-5]			
* Spleen		Hematopoietic Cell Proliferation	Mild
Note: TGL-3, grossly identified as spleen (accessory) was actually mesentery (fat) with a hemangioma.			
* Stomach, Forestomach	Epithelium	Hyperplasia	Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99023-04
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: beta-Myrcene
CAS Number: 123-35-3

Date Report Requested: 10/16/2014
Time Report Requested: 05:39:04
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 232

TRT#: 2
DOSE: 0 G/KG

SEX: Female
DISP: Terminal Sacrifice

DAY ON TEST: 728
HISTO: 0401102

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Bone Marrow	* Brain
* Clitoral Gland	* Esophagus	* Eye	* Gallbladder
* Harderian Gland	* Heart	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Lung	* Mammary Gland	* Nose
* Pancreas	* Parathyroid Gland	* Pituitary Gland	* Salivary Glands
* Skin	* Stomach, Forestomach	* Stomach, Glandular	* Thyroid Gland
* Trachea	* Urinary Bladder	* Uterus	

OBSERVATIONS

* Adrenal Cortex	Subcapsular	Hyperplasia Lymphoma Malignant	Moderate
* Kidney		Nephropathy	Minimal
* Liver		Fatty Change Inflammation Tension Lipidosis	Minimal Chronic Active, Minimal Minimal
Lymph Node	Inguinal Lumbar Mediastinal Renal	Lymphoma Malignant Lymphoma Malignant Lymphoma Malignant Lymphoma Malignant	
Note: Inguinal node has lymphoma also (in mammary section). [Lymphoma Malignant TGLS = 3-11] [Lymphoma Malignant TGLS = 4-6] [Lymphoma Malignant TGLS = 6-10]			
* Lymph Node, Mandibular		Lymphoma Malignant	
[Lymphoma Malignant TGLS = 7-2]			
* Lymph Node, Mesenteric		Lymphoma Malignant	
[Lymphoma Malignant TGLS = 5-5]			
Mesentery	Fat	Lymphoma Malignant Necrosis	Mild

Note: Lymphoma is in mesentery alongside ovaries.

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99023-04
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: beta-Myrcene
CAS Number: 123-35-3

Date Report Requested: 10/16/2014
Time Report Requested: 05:39:04
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 232

TRT#: 2
DOSE: 0 G/KG

SEX: Female
DISP: Terminal Sacrifice

DAY ON TEST: 728
HISTO: 0401102

ORGAN AND ACCOUNTABLE SITE STATUS

[Necrosis TGLS = 2-10]

* Ovary
* Spleen

Atrophy
Hematopoietic Cell Proliferation
Lymphoma Malignant

Moderate
Minimal

[Lymphoma Malignant TGLS = 1-4]

* Thymus

Lymphoma Malignant

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99023-04
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: beta-Myrcene
CAS Number: 123-35-3

Date Report Requested: 10/16/2014
Time Report Requested: 05:39:04
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 233

TRT#: 2
DOSE: 0 G/KG

SEX: Female
DISP: Terminal Sacrifice

DAY ON TEST: 727
HISTO: 0401103

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Bone Marrow	* Brain
* Clitoral Gland	* Esophagus	* Eye	* Gallbladder
* Harderian Gland	* Heart	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Lung	* Lymph Node, Mesenteric	* Mammary Gland
* Nose	* Pancreas	* Parathyroid Gland	* Pituitary Gland
* Salivary Glands	* Skin	* Stomach, Forestomach	* Stomach, Glandular
* Thymus	* Thyroid Gland	* Trachea	* Urinary Bladder

OBSERVATIONS

* Adrenal Cortex	Subcapsular	Hyperplasia	Moderate
* Kidney		Nephropathy	Minimal
* Liver		Fatty Change	Mild
		Hepatocellular Adenoma	
		Inflammation	Chronic Active, Minimal
[Hepatocellular Adenoma TGLS = 3-11]			
* Lymph Node, Mandibular		Atrophy	Minimal
Mesentery	Fat	Necrosis	Mild
[Necrosis TGLS = 2-10]			
* Ovary		Atrophy	Minimal
* Spleen		Hematopoietic Cell Proliferation	Mild
* Uterus	Endometrium	Hyperplasia	Marked
[Hyperplasia TGLS = 1-7]			

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99023-04
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: beta-Myrcene
CAS Number: 123-35-3

Date Report Requested: 10/16/2014
Time Report Requested: 05:39:04
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 234

TRT#: 2

SEX: Female

DAY ON TEST: 721

DOSE: 0 G/KG

DISP: Natural Death

HISTO: 0401104

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Bone Marrow	* Brain
* Clitoral Gland	* Esophagus	* Eye	* Gallbladder
* Harderian Gland	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Islets, Pancreatic	* Lymph Node, Mandibular
* Mammary Gland	* Nose	* Pancreas	* Parathyroid Gland
* Pituitary Gland	* Salivary Glands	* Skin	* Stomach, Glandular
* Thyroid Gland	* Trachea	* Urinary Bladder	

INSUFFICIENT TISSUE

* Thymus

OBSERVATIONS

* Adrenal Cortex	Subcapsular	Hyperplasia	Mild
* Heart		Cardiomyopathy	Minimal
		Mineralization	Minimal
* Intestine Small, Jejunum		Carcinoma	
[Carcinoma TGLS = 3-11]			
* Kidney		Nephropathy	Minimal
* Liver		Hematopoietic Cell Proliferation	Minimal
		Vacuolization Cytoplasmic	Marked
[Vacuolization Cytoplasmic TGLS = 2-3+4+5+10]			
* Lung	Alveolar Epith	Hyperplasia	Mild
	Bronchiole	Hyperplasia	Mild
* Lymph Node, Mesenteric		Atrophy	Mild
* Ovary		Angiectasis	Moderate
		Atrophy	Mild
* Spleen	Lymph Follic	Atrophy	Mild
* Stomach, Forestomach		Inflammation	Minimal
		Ulcer	Mild
* Uterus	Endometrium	Hyperplasia	Marked
[Hyperplasia TGLS = 1-7]			

PRIMARY CAUSE OF DEATH - Intestine Small, Jejunum Carcinoma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99023-04
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: beta-Myrcene
CAS Number: 123-35-3

Date Report Requested: 10/16/2014
Time Report Requested: 05:39:04
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 234

TRT#: 2
DOSE: 0 G/KG

SEX: Female
DISP: Natural Death

DAY ON TEST: 721
HISTO: 0401104

ORGAN AND ACCOUNTABLE SITE STATUS

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99023-04
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: beta-Myrcene
CAS Number: 123-35-3

Date Report Requested: 10/16/2014
Time Report Requested: 05:39:04
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 235

TRT#: 2
DOSE: 0 G/KG

SEX: Female
DISP: Terminal Sacrifice

DAY ON TEST: 729
HISTO: 0401105

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Brain	* Clitoral Gland
* Esophagus	* Eye	* Gallbladder	* Harderian Gland
* Heart	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Kidney	* Lung	* Lymph Node, Mandibular	* Lymph Node, Mesenteric
* Mammary Gland	* Nose	* Pancreas	* Parathyroid Gland
* Pituitary Gland	* Salivary Glands	* Skin	* Stomach, Glandular
* Thymus	* Trachea	* Urinary Bladder	

OBSERVATIONS

* Adrenal Cortex	Subcapsular	Hyperplasia	Moderate
* Bone Marrow		Myelofibrosis	Mild
* Liver		Inflammation	Chronic Active, Minimal
		Pigmentation	Hemosiderin, Minimal
		Necrosis	Mild
Mesentery	Fat		
[Necrosis TGLS = 2-10]			
* Ovary		Atrophy	Moderate
* Spleen		Hematopoietic Cell Proliferation	Mild
* Stomach, Forestomach	Epithelium	Hyperplasia	Minimal
* Thyroid Gland	Follicle	Cyst	Minimal
* Uterus	Endometrium	Hyperplasia	Marked
[Hyperplasia TGLS = 1-7]			

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99023-04
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: beta-Myrcene
CAS Number: 123-35-3

Date Report Requested: 10/16/2014
Time Report Requested: 05:39:04
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 236

TRT#: 2
DOSE: 0 G/KG

SEX: Female
DISP: Terminal Sacrifice

DAY ON TEST: 729
HISTO: 0401106

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Brain	* Clitoral Gland
* Eye	* Gallbladder	* Harderian Gland	* Heart
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Kidney
* Lung	* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Mammary Gland
* Nose	* Parathyroid Gland	* Pituitary Gland	* Salivary Glands
* Skin	* Stomach, Forestomach	* Stomach, Glandular	* Thymus
* Thyroid Gland	* Trachea	* Urinary Bladder	

OBSERVATIONS

* Adrenal Cortex	Subcapsular	Hyperplasia	Mild
* Bone Marrow		Myelofibrosis	Mild
* Esophagus		Inflammation	Minimal
* Eye			
Note: Optic nerves were missing from both block and wet tissues.			
* Liver		Fatty Change	Minimal
		Hepatocellular Adenoma	
	Oval Cell	Hyperplasia	Marked
	[Hepatocellular Adenoma TGLS = 7-11]		
	[Hyperplasia TGLS = 8-3+4+11+12]		
Mesentery	Fat	Necrosis	Mild
	[Necrosis TGLS = 1,2,3-10]		
* Ovary		Atrophy	Moderate
	Germinal Epith	Cyst	Mild
	[Cyst TGLS = 9-7]		
* Pancreas		Atrophy	Marked
Note: The appearance of cysts noted grossly in pancreas (TGL-6) is due to atrophy revealing the pancreatic ducts, which are ectatic.			
	[Atrophy TGLS = 5,6 - 5+11]		
* Spleen		Hematopoietic Cell Proliferation	Mild
* Uterus	Endometrium	Hyperplasia	Moderate
	[Hyperplasia TGLS = 4-7]		

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99023-04
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: beta-Myrcene
CAS Number: 123-35-3

Date Report Requested: 10/16/2014
Time Report Requested: 05:39:04
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 236

TRT#: 2

SEX: Female

DAY ON TEST: 729

DOSE: 0 G/KG

DISP: Terminal Sacrifice

HISTO: 0401106

ORGAN AND ACCOUNTABLE SITE STATUS

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99023-04
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: beta-Myrcene
CAS Number: 123-35-3

Date Report Requested: 10/16/2014
Time Report Requested: 05:39:04
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 237	TRT#: 2	SEX: Female	DAY ON TEST: 728
	DOSE: 0 G/KG	DISP: Terminal Sacrifice	HISTO: 0401107

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Bone Marrow	* Brain
* Clitoral Gland	* Esophagus	* Eye	* Gallbladder
* Harderian Gland	* Heart	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Kidney	* Lung	* Lymph Node, Mandibular
* Lymph Node, Mesenteric	* Mammary Gland	* Nose	* Pancreas
* Parathyroid Gland	* Pituitary Gland	* Salivary Glands	* Skin
* Stomach, Forestomach	* Stomach, Glandular	* Thymus	* Thyroid Gland
* Trachea	* Urinary Bladder		

OBSERVATIONS

* Adrenal Cortex	Subcapsular	Hyperplasia	Moderate
* Liver		Hematopoietic Cell Proliferation	Minimal
		Inflammation	Chronic Active, Minimal
* Ovary	Follicle	Cyst	Mild
* Spleen		Hematopoietic Cell Proliferation	Minimal
* Uterus	Endometrium	Hyperplasia	Marked

[Hyperplasia TGLS = 1-7]

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99023-04
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: beta-Myrcene
CAS Number: 123-35-3

Date Report Requested: 10/16/2014
Time Report Requested: 05:39:04
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 238

TRT#: 2
DOSE: 0 G/KG

SEX: Female
DISP: Terminal Sacrifice

DAY ON TEST: 728
HISTO: 0401108

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Brain	* Clitoral Gland
* Esophagus	* Eye	* Gallbladder	* Harderian Gland
* Heart	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Lung	* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Mammary Gland
* Nose	* Pancreas	* Parathyroid Gland	* Pituitary Gland
* Salivary Glands	* Skin	* Stomach, Forestomach	* Stomach, Glandular
* Trachea	* Urinary Bladder		

OBSERVATIONS

* Adrenal Cortex	Subcapsular	Hyperplasia	Moderate
* Bone Marrow		Myelofibrosis	Mild
* Kidney		Nephropathy	Minimal
* Liver		Inflammation	Chronic Active, Minimal
		Necrosis	Minimal
		Tension Lipidosis	Minimal
Lymph Node	Bronchial	Hyperplasia	Lymphoid, Moderate
* Ovary		Atrophy	Marked
		Cystadenoma	
[Cystadenoma TGLS = 1-10]			
* Spleen		Hematopoietic Cell Proliferation	Mild
		Hyperplasia	Lymphoid, Moderate
* Thymus		Atrophy	Mild
* Thyroid Gland	Follicular Cel	Hyperplasia	Minimal
* Uterus	Endometrium	Hyperplasia	Mild

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99023-04
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: beta-Myrcene
CAS Number: 123-35-3

Date Report Requested: 10/16/2014
Time Report Requested: 05:39:04
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 239

TRT#: 2
DOSE: 0 G/KG

SEX: Female
DISP: Natural Death

DAY ON TEST: 664
HISTO: 0401109

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Brain	* Clitoral Gland
* Esophagus	* Eye	* Gallbladder	* Harderian Gland
* Heart	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Kidney	* Lung	* Mammary Gland
* Nose	* Pancreas	* Parathyroid Gland	* Pituitary Gland
* Salivary Glands	* Skin	* Stomach, Forestomach	* Stomach, Glandular
* Thyroid Gland	* Trachea	* Urinary Bladder	* Uterus

AUTO PRECLUDES DIAG.

* Intestine Large, Cecum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Lymph Node, Mesenteric
* Spleen			

OBSERVATIONS

* Adrenal Cortex	Subcapsular	Hyperplasia	Moderate
* Bone Marrow		Myelofibrosis	Minimal
* Eye			
Note: The optic nerves were not found in the block or wet tissues.			
* Liver		Fatty Change	Minimal
		Inflammation	Chronic Active, Minimal
		Tension Lipidosis	Minimal
		Vacuolization Cytoplasmic	Minimal
* Lymph Node, Mandibular		Atrophy	Minimal
* Ovary		Atrophy	Moderate
* Thymus		Atrophy	Moderate

PRIMARY CAUSE OF DEATH - UNCERTAIN

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99023-04
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: beta-Myrcene
CAS Number: 123-35-3

Date Report Requested: 10/16/2014
Time Report Requested: 05:39:04
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 240

TRT#: 2
DOSE: 0 G/KG

SEX: Female
DISP: Terminal Sacrifice

DAY ON TEST: 727
HISTO: 0401110

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Bone Marrow	* Brain
* Clitoral Gland	* Esophagus	* Eye	* Gallbladder
* Harderian Gland	* Heart	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Kidney	* Lung	* Mammary Gland
* Nose	* Pancreas	* Pituitary Gland	* Salivary Glands
* Skin	* Stomach, Forestomach	* Stomach, Glandular	* Trachea
* Urinary Bladder			

OBSERVATIONS

* Adrenal Cortex	Subcapsular	Hyperplasia	Moderate
* Liver		Hepatocellular Adenoma	
		Inflammation	Chronic Active, Minimal
		Mixed Cell Focus	
		Pigmentation	Hemosiderin, Minimal
[Hepatocellular Adenoma TGLS = 3-10]			
* Lymph Node, Mandibular		Lymphoma Malignant	
* Lymph Node, Mesenteric		Lymphoma Malignant	
[Lymphoma Malignant TGLS = 4-5]			
* Ovary		Atrophy	Mild
* Parathyroid Gland		Hyperplasia	Mild
* Spleen		Hematopoietic Cell Proliferation	Mild
		Lymphoma Malignant	
[Lymphoma Malignant TGLS = 2-4]			
* Thymus		Atrophy	Minimal
* Thyroid Gland	Follicular Cel	Hyperplasia	Mild
* Uterus	Endometrium	Hyperplasia	Moderate
[Hyperplasia TGLS = 1-7]			

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99023-04
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: beta-Myrcene
CAS Number: 123-35-3

Date Report Requested: 10/16/2014
Time Report Requested: 05:39:04
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 241

TRT#: 2
DOSE: 0 G/KG

SEX: Female
DISP: Natural Death

DAY ON TEST: 643
HISTO: 0401111

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Bone Marrow	* Brain
* Clitoral Gland	* Esophagus	* Eye	* Harderian Gland
* Heart	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Kidney	* Mammary Gland	* Nose	* Pancreas
* Parathyroid Gland	* Pituitary Gland	* Salivary Glands	* Skin
* Spleen	* Stomach, Glandular	* Thyroid Gland	* Trachea
* Urinary Bladder			

AUTO PRECLUDES DIAG.

* Gallbladder

OBSERVATIONS

* Adrenal Cortex	Subcapsular	Hyperplasia	Moderate
* Liver		Fatty Change	Minimal
		Vacuolization Cytoplasmic	Minimal
* Lung		Inflammation	Chronic Active, Minimal
* Lymph Node, Mandibular		Atrophy	Mild
* Lymph Node, Mesenteric		Atrophy	Mild
* Ovary		Atrophy	Marked
* Stomach, Forestomach	Epithelium	Hyperplasia	Mild
[Hyperplasia TGLS = 1-5]			
* Thymus		Atrophy	Marked
* Uterus	Endometrium	Hyperplasia	Minimal

PRIMARY CAUSE OF DEATH

- UNCERTAIN

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99023-04
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: beta-Myrcene
CAS Number: 123-35-3

Date Report Requested: 10/16/2014
Time Report Requested: 05:39:04
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 242

TRT#: 2
DOSE: 0 G/KG

SEX: Female
DISP: Natural Death

DAY ON TEST: 689
HISTO: 0401112

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Brain	* Clitoral Gland
* Esophagus	* Eye	* Gallbladder	* Harderian Gland
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Lymph Node, Mandibular
* Mammary Gland	* Nose	* Pancreas	* Parathyroid Gland
* Pituitary Gland	* Salivary Glands	* Skin	* Stomach, Glandular
* Thyroid Gland	* Trachea	* Urinary Bladder	* Uterus

OBSERVATIONS

* Adrenal Cortex	Subcapsular	Hyperplasia	Moderate
* Bone Marrow		Myelofibrosis	Minimal
* Eye			
Note: The optic nerves were not present in the block or wet tissues.			
* Heart	Valve	Inflammation	Moderate
		Thrombosis	Moderate
Note: Thrombus contains numerous bacteria (cocci) and involves both the left A-V and aortic valves.			
* Kidney		Infarct	Moderate
		Mineralization	Mild
	Papilla	Necrosis	Mild
	Renal Tubule	Necrosis	Mild
Note: Infarction is secondary to valvular endocarditis (embolism to kidneys).			
* Liver		Fatty Change	Moderate
		Inflammation	Chronic Active, Minimal
* Lung	Alveolus	Infiltration Cellular	Histiocyte, Minimal
		Inflammation	Chronic Active, Mild
* Lymph Node, Mesenteric		Atrophy	Minimal
* Ovary		Atrophy	Mild
* Spleen		Hematopoietic Cell Proliferation	Marked
[Hematopoietic Cell Proliferation TGLS = 1-4]			
* Stomach, Forestomach	Epithelium	Hyperplasia	Mild
		Inflammation	Mild

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99023-04
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: beta-Myrcene
CAS Number: 123-35-3

Date Report Requested: 10/16/2014
Time Report Requested: 05:39:04
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 242

TRT#: 2
DOSE: 0 G/KG

SEX: Female
DISP: Natural Death

DAY ON TEST: 689
HISTO: 0401112

ORGAN AND ACCOUNTABLE SITE STATUS

* Thymus

Ulcer
Atrophy

Mild
Marked

PRIMARY CAUSE OF DEATH

- Heart Valve Thrombosis

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99023-04
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: beta-Myrcene
CAS Number: 123-35-3

Date Report Requested: 10/16/2014
Time Report Requested: 05:39:04
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 243

TRT#: 2
DOSE: 0 G/KG

SEX: Female
DISP: Terminal Sacrifice

DAY ON TEST: 728
HISTO: 0401113

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Bone Marrow	* Brain
* Clitoral Gland	* Esophagus	* Eye	* Gallbladder
* Harderian Gland	* Heart	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Mammary Gland
* Nose	* Pancreas	* Pituitary Gland	* Salivary Glands
* Skin	* Stomach, Forestomach	* Stomach, Glandular	* Thyroid Gland
* Trachea	* Urinary Bladder		

MISSING

* Parathyroid Gland

OBSERVATIONS

* Adrenal Cortex	Subcapsular	Hyperplasia	Mild
* Kidney		Nephropathy	Mild
* Liver		Inflammation	Chronic Active, Minimal
* Lung		Inflammation	Chronic Active, Minimal
* Ovary		Atrophy	Moderate
* Spleen		Hematopoietic Cell Proliferation	Minimal
		Hyperplasia	Lymphoid, Moderate
* Thymus		Atrophy	Minimal
* Uterus	Endometrium	Hyperplasia	Marked

[Hyperplasia TGLS = 1-7]

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99023-04
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: beta-Myrcene
CAS Number: 123-35-3

Date Report Requested: 10/16/2014
Time Report Requested: 05:39:04
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 244

TRT#: 2
DOSE: 0 G/KG

SEX: Female
DISP: Terminal Sacrifice

DAY ON TEST: 727
HISTO: 0401114

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Brain	* Clitoral Gland
* Esophagus	* Eye	* Gallbladder	* Harderian Gland
* Heart	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Mammary Gland	* Nose
* Pancreas	* Parathyroid Gland	* Pituitary Gland	* Salivary Glands
* Skin	* Stomach, Forestomach	* Stomach, Glandular	* Thyroid Gland
* Trachea	* Urinary Bladder		

OBSERVATIONS

* Adrenal Cortex	Subcapsular Zona Fasciata	Hyperplasia Hyperplasia Myelofibrosis	Moderate Mild Mild
* Bone Marrow		Nephropathy	Minimal
* Kidney		Fatty Change	Minimal
* Liver		Inflammation Tension Lipidosis	Chronic Active, Minimal Minimal
* Lung	[Alveolar/Bronchiolar Adenoma TGLS = 1-10]	Alveolar/Bronchiolar Adenoma	
* Ovary		Atrophy	Moderate
* Spleen		Hematopoietic Cell Proliferation	Mild
* Thymus		Atrophy	Minimal
* Uterus	Endometrium	Hyperplasia	Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99023-04
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: beta-Myrcene
CAS Number: 123-35-3

Date Report Requested: 10/16/2014
Time Report Requested: 05:39:04
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 245

TRT#: 2
DOSE: 0 G/KG

SEX: Female
DISP: Terminal Sacrifice

DAY ON TEST: 727
HISTO: 0401115

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Bone Marrow	* Brain
* Clitoral Gland	* Esophagus	* Eye	* Gallbladder
* Harderian Gland	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Lung	* Lymph Node, Mesenteric	* Mammary Gland	* Nose
* Pancreas	* Parathyroid Gland	* Pituitary Gland	* Salivary Glands
* Skin	* Stomach, Forestomach	* Stomach, Glandular	* Thyroid Gland
* Trachea	* Urinary Bladder		

OBSERVATIONS

* Adrenal Cortex	Subcapsular	Hyperplasia	Moderate
* Heart		Cardiomyopathy	Minimal
* Kidney		Nephropathy	Minimal
* Liver		Inflammation	Chronic Active, Minimal
* Lymph Node, Mandibular		Lymphoma Malignant	
* Ovary		Atrophy	Mild
* Spleen		Hematopoietic Cell Proliferation	Minimal
		Lymphoma Malignant	
[Lymphoma Malignant TGLS = 1-4]			
* Thymus		Lymphoma Malignant	
[Lymphoma Malignant TGLS = 3-10]			
* Uterus	Endometrium	Hyperplasia	Marked
[Hyperplasia TGLS = 2-7]			

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99023-04
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: beta-Myrcene
CAS Number: 123-35-3

Date Report Requested: 10/16/2014
Time Report Requested: 05:39:04
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 246

TRT#: 2
DOSE: 0 G/KG

SEX: Female
DISP: Terminal Sacrifice

DAY ON TEST: 727
HISTO: 0401116

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Bone Marrow	* Brain
* Clitoral Gland	* Esophagus	* Eye	* Gallbladder
* Harderian Gland	* Heart	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Lung	* Lymph Node, Mandibular	* Lymph Node, Mesenteric
* Mammary Gland	* Nose	* Pancreas	* Parathyroid Gland
* Pituitary Gland	* Salivary Glands	* Stomach, Forestomach	* Stomach, Glandular
* Thymus	* Thyroid Gland	* Trachea	* Urinary Bladder

OBSERVATIONS

* Adrenal Cortex	Subcapsular	Hyperplasia	Moderate
* Kidney	Cortex	Cyst	Moderate
		Infarct	Minimal
[Cyst TGLS = 3-4]			
* Liver		Inflammation	Chronic Active, Minimal
		Tension Lipidosis	Minimal
Mesentery	Fat	Necrosis	Mild
[Necrosis TGLS = 1-10]			
* Ovary		Atrophy	Minimal
* Skin	Subcut Tiss	Hemangioma	
Note: Hemangioma in skin/mammary section.			
* Spleen		Hematopoietic Cell Proliferation	Minimal
* Uterus	Endometrium	Hyperplasia	Marked
[Hyperplasia TGLS = 2-7]			

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99023-04
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: beta-Myrcene
CAS Number: 123-35-3

Date Report Requested: 10/16/2014
Time Report Requested: 05:39:04
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 247

TRT#: 2

SEX: Female

DAY ON TEST: 729

DOSE: 0 G/KG

DISP: Terminal Sacrifice

HISTO: 0401117

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Brain	* Clitoral Gland
* Esophagus	* Eye	* Gallbladder	* Harderian Gland
* Heart	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Mammary Gland	* Pancreas
* Pituitary Gland	* Salivary Glands	* Skin	* Stomach, Forestomach
* Stomach, Glandular	* Thymus	* Thyroid Gland	* Trachea
* Urinary Bladder			

MISSING

* Parathyroid Gland

OBSERVATIONS

* Adrenal Cortex	Subcapsular	Hyperplasia	Mild
* Bone Marrow		Myelofibrosis	Minimal
* Eye			
Note: Optic nerves were not present in block or wet tissues.			
* Kidney		Mineralization	Minimal
		Nephropathy	Minimal
* Liver		Eosinophilic Focus	
		Inflammation	Chronic Active, Minimal
		Tension Lipidosis	Minimal
* Lung		Alveolar/Bronchiolar Carcinoma	
	Alveolar Epith	Hyperplasia	Moderate
	Alveolus	Infiltration Cellular	Histiocyte, Mild
Note: Carcinoma also present in B03.			
[Alveolar/Bronchiolar Carcinoma TGLS = 2-10]			
* Nose	Olfactory Epi	Degeneration	Mild
* Ovary		Atrophy	Moderate
* Spleen		Hematopoietic Cell Proliferation	Mild
		Pigmentation	Hemosiderin, Minimal
* Uterus	Endometrium	Hyperplasia	Marked

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99023-04
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: beta-Myrcene
CAS Number: 123-35-3

Date Report Requested: 10/16/2014
Time Report Requested: 05:39:04
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 247

TRT#: 2

SEX: Female

DAY ON TEST: 729

DOSE: 0 G/KG

DISP: Terminal Sacrifice

HISTO: 0401117

ORGAN AND ACCOUNTABLE SITE STATUS

[Hyperplasia TGLS = 1-7]

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99023-04
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: beta-Myrcene
CAS Number: 123-35-3

Date Report Requested: 10/16/2014
Time Report Requested: 05:39:04
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 248

TRT#: 2
DOSE: 0 G/KG

SEX: Female
DISP: Terminal Sacrifice

DAY ON TEST: 729
HISTO: 0401118

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Bone Marrow	* Brain
* Clitoral Gland	* Esophagus	* Eye	* Gallbladder
* Heart	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Kidney	Lymph Node	* Lymph Node, Mesenteric	* Mammary Gland
* Nose	* Pancreas	* Parathyroid Gland	* Pituitary Gland
* Salivary Glands	* Skin	* Stomach, Forestomach	* Stomach, Glandular
* Thyroid Gland	* Trachea	* Urinary Bladder	

OBSERVATIONS

* Adrenal Cortex	Subcapsular	Hyperplasia	Moderate
* Harderian Gland		Adenoma	
[Adenoma TGLS = 1-9]			
* Liver		Eosinophilic Focus	
		Fatty Change	Minimal
		Inflammation	Chronic Active, Minimal
* Lung	Alveolus	Infiltration Cellular	Histiocyte, Minimal
Lymph Node			
Note: TGL-2, renal lymph node, had no corresponding lesion.			
* Lymph Node, Mandibular		Hyperplasia	Lymphoid, Moderate
* Ovary		Atrophy	Minimal
* Spleen		Hematopoietic Cell Proliferation	Mild
* Thymus		Atrophy	Minimal
* Uterus	Endometrium	Hyperplasia	Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99023-04
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: beta-Myrcene
CAS Number: 123-35-3

Date Report Requested: 10/16/2014
Time Report Requested: 05:39:04
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 249

TRT#: 2
DOSE: 0 G/KG

SEX: Female
DISP: Natural Death

DAY ON TEST: 485
HISTO: 0401119

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Bone Marrow	* Brain
* Clitoral Gland	* Esophagus	* Eye	* Gallbladder
* Harderian Gland	* Heart	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Lung	* Lymph Node, Mandibular	* Mammary Gland
* Pancreas	* Parathyroid Gland	* Pituitary Gland	* Salivary Glands
* Skin	* Stomach, Forestomach	* Stomach, Glandular	* Thyroid Gland
* Trachea	* Urinary Bladder		

OBSERVATIONS

* Adrenal Cortex	Subcapsular	Hyperplasia	Mild
* Kidney		Mineralization	Moderate
	Renal Tubule	Necrosis	Marked
* Liver		Fatty Change	Minimal
		Necrosis	Mild
		Vacuolization Cytoplasmic	Moderate
* Lymph Node, Mesenteric		Atrophy	Mild
* Nose	Olfactory Epi	Degeneration	Minimal
* Ovary		Thrombosis	Marked
		[Thrombosis TGLS = 1-10]	
* Spleen		Hematopoietic Cell Proliferation	Moderate
* Thymus		Atrophy	Marked
* Uterus	Endometrium	Hyperplasia	Marked
		[Hyperplasia TGLS = 2-7]	

PRIMARY CAUSE OF DEATH - Kidney Renal Tubule Necrosis

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99023-04
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: beta-Myrcene
CAS Number: 123-35-3

Date Report Requested: 10/16/2014
Time Report Requested: 05:39:04
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 250

TRT#: 2
DOSE: 0 G/KG

SEX: Female
DISP: Terminal Sacrifice

DAY ON TEST: 728
HISTO: 0401120

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Bone Marrow	* Brain
* Clitoral Gland	* Esophagus	* Eye	* Gallbladder
* Harderian Gland	* Heart	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Lung	* Mammary Gland	* Nose
* Pancreas	* Parathyroid Gland	* Pituitary Gland	* Salivary Glands
* Skin	* Stomach, Forestomach	* Stomach, Glandular	* Thyroid Gland
* Trachea	* Urinary Bladder		

OBSERVATIONS

* Adrenal Cortex	Subcapsular	Hyperplasia	Moderate
* Kidney		Infarct	Mild
		Mineralization	Minimal
		Nephropathy	Minimal
* Liver		Inflammation	Chronic Active, Minimal
Lymph Node	Renal	Amyloid Deposition	Mild
	Inguinal	Infiltration Cellular	Plasma Cell, Minimal
	Renal	Infiltration Cellular	Plasma Cell, Minimal
Note: Inguinal lymph node in B08.			
Note: Renal lymph node was in ovary section (B07).			
* Lymph Node, Mandibular		Amyloid Deposition	Minimal
		Infiltration Cellular	Plasma Cell, Minimal
* Lymph Node, Mesenteric		Atrophy	Minimal
* Ovary	Follicle	Cyst	Mild
* Spleen		Amyloid Deposition	Minimal
		Hematopoietic Cell Proliferation	Minimal
		Infiltration Cellular	Plasma Cell, Minimal
* Thymus		Amyloid Deposition	Mild
		Infiltration Cellular	Plasma Cell, Mild
* Uterus	Endometrium	Hyperplasia	Mild

[Hyperplasia TGSL = 1-7]

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99023-04
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: beta-Myrcene
CAS Number: 123-35-3

Date Report Requested: 10/16/2014
Time Report Requested: 05:39:04
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 250

TRT#: 2

SEX: Female

DAY ON TEST: 728

DOSE: 0 G/KG

DISP: Terminal Sacrifice

HISTO: 0401120

ORGAN AND ACCOUNTABLE SITE STATUS

PRIMARY CAUSE OF DEATH

-

Animal Note: Amyloid deposits were only weakly positive (i.e. showing apple-green birefringence under polarized light) with Congo Red stain for amyloid.

Animal Note: Plasma cell infiltrates were noted because there was accumulation of Russell bodies (immunoglobulin) within them.

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99023-04
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: beta-Myrcene
CAS Number: 123-35-3

Date Report Requested: 10/16/2014
Time Report Requested: 05:39:04
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 251

TRT#: 4

SEX: Female

DAY ON TEST: 717

DOSE: 0.25 G/KG

DISP: Moribund Sacrifice

HISTO: 0401121

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Bone	* Bone Marrow	* Brain	* Clitoral Gland
* Esophagus	* Eye	* Gallbladder	* Harderian Gland
* Heart	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Mammary Gland	* Nose
* Pancreas	* Parathyroid Gland	* Pituitary Gland	* Salivary Glands
* Skin	* Stomach, Glandular	* Thyroid Gland	* Trachea
* Urinary Bladder	* Uterus		

OBSERVATIONS

* Adrenal Cortex	Subcapsular	Hyperplasia	Mild
* Adrenal Medulla		Hepatocellular Carcinoma	Metastatic (Liver)
* Clitoral Gl			
Note: One clitoral gland was missing from block and wet tissues.			
* Kidney		Nephropathy	Minimal
* Liver		Fatty Change	Minimal
		Hepatocellular Carcinoma	
		Inflammation	Chronic Active, Minimal
		Vacuolization Cytoplasmic	Mild
	[Hepatocellular Carcinoma TGLS = 2-10]		
* Lung		Hepatocellular Carcinoma	Metastatic (Liver)
	[Hepatocellular Carcinoma TGLS = 4-11]		
Lymph Node	Mediastinal	Hepatocellular Carcinoma	Metastatic (Liver)
Mesentery		Hepatocellular Carcinoma	Metastatic (Liver)
Note: Metastasis is in mesentery beside the mesenteric lymph node in B05.			
* Ovary		Atrophy	Marked
* Spleen		Hematopoietic Cell Proliferation	Mild
		Hyperplasia	Lymphoid, Moderate
	[Hyperplasia TGLS = 1-4]		
* Stomach, Forestomach		Inflammation	Minimal
* Thymus		Atrophy	Marked

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99023-04
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: beta-Myrcene
CAS Number: 123-35-3

Date Report Requested: 10/16/2014
Time Report Requested: 05:39:04
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 251

TRT#: 4

SEX: Female

DAY ON TEST: 717

DOSE: 0.25 G/KG

DISP: Moribund Sacrifice

HISTO: 0401121

ORGAN AND ACCOUNTABLE SITE STATUS

Hepatocellular Carcinoma

Metastatic (Liver)

PRIMARY CAUSE OF DEATH

- Liver Hepatocellular Carcinoma

Animal Note: Liver - TGL 3 = No Corresponding Lesion

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99023-04
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: beta-Myrcene
CAS Number: 123-35-3

Date Report Requested: 10/16/2014
Time Report Requested: 05:39:04
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 252

TRT#: 4

SEX: Female

DAY ON TEST: 631

DOSE: 0.25 G/KG

DISP: Natural Death

HISTO: 0401122

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Bone Marrow	* Brain
* Clitoral Gland	* Esophagus	* Eye	* Gallbladder
* Harderian Gland	* Heart	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Lung	* Lymph Node, Mandibular	* Lymph Node, Mesenteric
* Mammary Gland	* Nose	* Pancreas	* Parathyroid Gland
* Pituitary Gland	* Salivary Glands	* Stomach, Forestomach	* Stomach, Glandular
* Thyroid Gland	* Trachea	* Urinary Bladder	* Uterus

MISSING

* Thymus

OBSERVATIONS

* Adrenal Cortex	Subcapsular	Hyperplasia	Moderate
* Kidney		Nephropathy	Minimal
* Liver		Fatty Change	Mild
		Mixed Cell Focus	
		Vacuolization Cytoplasmic	Mild
* Ovary		Atrophy	Moderate
* Skin	Subcut Tiss	Sarcoma	
Note: Sarcoma is probably a neurofibrosarcoma. [Sarcoma TGLS = 1-10]			
* Spleen	Lymph Follic	Atrophy	Mild
		Hematopoietic Cell Proliferation	Moderate

PRIMARY CAUSE OF DEATH

- Skin Subcut Tiss Sarcoma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99023-04
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: beta-Myrcene
CAS Number: 123-35-3

Date Report Requested: 10/16/2014
Time Report Requested: 05:39:04
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 253

TRT#: 4

SEX: Female

DAY ON TEST: 729

DOSE: 0.25 G/KG

DISP: Terminal Sacrifice

HISTO: 0401123

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Bone Marrow	* Brain
* Clitoral Gland	* Esophagus	* Eye	* Gallbladder
* Harderian Gland	* Heart	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Lung	* Lymph Node, Mesenteric	* Mammary Gland
* Nose	* Ovary	* Pancreas	* Parathyroid Gland
* Pituitary Gland	* Salivary Glands	* Skin	* Stomach, Forestomach
* Stomach, Glandular	* Thymus	* Thyroid Gland	* Trachea
* Urinary Bladder			

OBSERVATIONS

* Adrenal Cortex	Subcapsular	Hyperplasia	Moderate
* Kidney		Mineralization	Minimal
		Nephropathy	Minimal
* Liver		Fatty Change	Minimal
		Hepatocellular Adenoma	
		Inflammation	Chronic Active, Minimal
			[Hepatocellular Adenoma TGLS = 3-11]
* Lymph Node, Mandibular		Atrophy	Minimal
* Spleen		Hematopoietic Cell Proliferation	Mild
		Pigmentation	Hemosiderin, Minimal
* Uterus		Angiectasis	Mild
	Endometrium	Hyperplasia	Marked
			[Hyperplasia TGLS = 1,2 - 7+10]

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99023-04
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: beta-Myrcene
CAS Number: 123-35-3

Date Report Requested: 10/16/2014
Time Report Requested: 05:39:04
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 254

TRT#: 4

SEX: Female

DAY ON TEST: 729

DOSE: 0.25 G/KG

DISP: Terminal Sacrifice

HISTO: 0401124

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Bone Marrow	* Brain
* Clitoral Gland	* Esophagus	* Eye	* Gallbladder
* Heart	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Lung	* Mammary Gland	* Nose	* Pancreas
* Parathyroid Gland	* Pituitary Gland	* Salivary Glands	* Skin
* Stomach, Forestomach	* Stomach, Glandular	* Thyroid Gland	* Trachea
* Urinary Bladder	* Uterus		

OBSERVATIONS

* Adrenal Cortex	Subcapsular	Hyperplasia	Mild
* Harderian Gland	Bilateral	Adenoma	
* Kidney		Mineralization	Minimal
		Nephropathy	Minimal
* Liver		Fatty Change	Minimal
		Hepatocellular Carcinoma	
		Inflammation	Chronic Active, Minimal
[Hepatocellular Carcinoma TGLS = 1-10]			
* Lymph Node, Mandibular		Hyperplasia	Lymphoid, Moderate
* Lymph Node, Mesenteric		Lymphoma Malignant	
Mesentery	Fat	Necrosis	Moderate
[Necrosis TGLS = 2,3 - 11+12]			
* Ovary		Atrophy	Moderate
* Spleen		Hematopoietic Cell Proliferation	Mild
* Thymus		Atrophy	Mild
		Lymphoma Malignant	

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99023-04
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: beta-Myrcene
CAS Number: 123-35-3

Date Report Requested: 10/16/2014
Time Report Requested: 05:39:04
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 255

TRT#: 4

SEX: Female

DAY ON TEST: 729

DOSE: 0.25 G/KG

DISP: Terminal Sacrifice

HISTO: 0401125

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Brain	* Clitoral Gland
* Esophagus	* Eye	* Gallbladder	* Harderian Gland
* Heart	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Kidney	* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Mammary Gland
* Nose	* Pancreas	* Parathyroid Gland	* Pituitary Gland
* Salivary Glands	* Skin	* Stomach, Forestomach	* Stomach, Glandular
* Thymus	* Trachea	* Urinary Bladder	

OBSERVATIONS

* Adrenal Cortex	Subcapsular Capsule	Hyperplasia Infiltration Cellular Myelofibrosis Eosinophilic Focus Fatty Change Hepatocellular Adenoma Inflammation	Moderate Lymphocyte, Mild Minimal Minimal Chronic Active, Minimal
* Bone Marrow			
* Liver			
	[Hepatocellular Adenoma TGLS = 1-10]		
* Lung		Inflammation	Chronic Active, Minimal
* Ovary		Atrophy	Moderate
* Spleen		Hematopoietic Cell Proliferation Hyperplasia	Minimal Lymphoid, Mild
* Thyroid Gland	Follicular Cel	Hyperplasia	Minimal
* Uterus	Endometrium	Hyperplasia	Mild
	[Hyperplasia TGLS = 2-7]		

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99023-04
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: beta-Myrcene
CAS Number: 123-35-3

Date Report Requested: 10/16/2014
Time Report Requested: 05:39:04
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 256

TRT#: 4

SEX: Female

DAY ON TEST: 716

DOSE: 0.25 G/KG

DISP: Moribund Sacrifice

HISTO: 0401126

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Bone Marrow	* Brain
* Clitoral Gland	* Esophagus	* Eye	* Harderian Gland
* Heart	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Lymph Node, Mandibular	* Mammary Gland	* Nose	* Pancreas
* Parathyroid Gland	* Pituitary Gland	* Salivary Glands	* Spleen
* Stomach, Forestomach	* Stomach, Glandular	* Thyroid Gland	* Trachea
* Urinary Bladder			

OBSERVATIONS

* Adrenal Cortex	Subcapsular	Hyperplasia Sarcoma	Moderate Metastatic (Skin)
[Sarcoma TGLS = 7-15]			
* Gallbladder		Sarcoma	Metastatic (Skin)
* Kidney		Nephropathy	Minimal
* Liver		Sarcoma	Metastatic (Skin)
* Lung		Sarcoma	Metastatic (Skin)
Lymph Node	Bronchial	Sarcoma	Metastatic (Skin)
	Mediastinal	Sarcoma	Metastatic (Skin)
* Lymph Node, Mesenteric		Sarcoma	Metastatic (Skin)
Mesentery	Fat	Necrosis Sarcoma	Moderate Metastatic (Skin)
Note: Although most of B12 has sarcoma, fat necrosis, which better fits the gross description of TGL-4, is also present, so was correlated.			
[Necrosis TGLS = 4-12]			
[Sarcoma TGLS = 3,6 - 11+14]			
* Ovary		Atrophy	Marked
Skeletal Muscle		Sarcoma	Metastatic (Skin)
[Sarcoma TGLS = 5-13]			
* Skin	Subcut Tiss	Sarcoma	
[Sarcoma TGLS = 1-10]			
* Thymus		Atrophy	Marked

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99023-04
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: beta-Myrcene
CAS Number: 123-35-3

Date Report Requested: 10/16/2014
Time Report Requested: 05:39:04
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 256

TRT#: 4

SEX: Female

DAY ON TEST: 716

DOSE: 0.25 G/KG

DISP: Moribund Sacrifice

HISTO: 0401126

ORGAN AND ACCOUNTABLE SITE STATUS

* Uterus

Endometrium

Sarcoma

Metastatic (Skin)

[Hyperplasia TGLS = 2-7]

Hyperplasia

Marked

PRIMARY CAUSE OF DEATH

- Skin Subcut Tiss Sarcoma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99023-04
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: beta-Myrcene
CAS Number: 123-35-3

Date Report Requested: 10/16/2014
Time Report Requested: 05:39:04
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 257

TRT#: 4

SEX: Female

DAY ON TEST: 728

DOSE: 0.25 G/KG

DISP: Terminal Sacrifice

HISTO: 0401127

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Brain	* Clitoral Gland
* Esophagus	* Eye	* Gallbladder	* Harderian Gland
* Heart	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Lung	* Lymph Node, Mesenteric	* Mammary Gland	* Nose
* Pancreas	* Parathyroid Gland	* Pituitary Gland	* Salivary Glands
* Skin	* Spleen	* Stomach, Forestomach	* Stomach, Glandular
* Thymus	* Thyroid Gland	* Trachea	* Urinary Bladder

OBSERVATIONS

* Adrenal Cortex	Subcapsular	Hyperplasia	Moderate
* Bone Marrow		Myelofibrosis	Minimal
* Kidney		Infarct	Minimal
		Mineralization	Minimal
		Nephropathy	Minimal
* Liver		Fatty Change	Minimal
		Inflammation	Chronic Active, Minimal
* Lymph Node, Mandibular		Atrophy	Minimal
Mesentery	Fat	Necrosis	Mild
[Necrosis TGLS = 2-10]			
* Ovary		Atrophy	Moderate
* Uterus	Endometrium	Hyperplasia	Mild
[Hyperplasia TGLS = 1-7]			

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99023-04
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: beta-Myrcene
CAS Number: 123-35-3

Date Report Requested: 10/16/2014
Time Report Requested: 05:39:04
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 258

TRT#: 4

SEX: Female

DAY ON TEST: 594

DOSE: 0.25 G/KG

DISP: Natural Death

HISTO: 0401128

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Bone Marrow	* Brain
* Clitoral Gland	* Esophagus	* Gallbladder	* Heart
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Kidney
* Liver	* Lymph Node, Mandibular	* Mammary Gland	* Nose
* Parathyroid Gland	* Pituitary Gland	* Salivary Glands	* Stomach, Glandular
* Thyroid Gland	* Trachea	* Urinary Bladder	* Uterus

AUTO PRECLUDES DIAG.

* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Lymph Node, Mesenteric	* Pancreas	* Stomach, Forestomach	

OBSERVATIONS

* Adrenal Cortex	Subcapsular	Hyperplasia	Mild
* Eye	Cornea	Inflammation	Mild
Note: Corneal inflammation is secondary to proptosis due to the harderian gland tumor (TGL-1).			
* Harderian Gland		Adenoma	
[Adenoma TGLS = 1-9]			
* Lung		Alveolar/Bronchiolar Adenoma	
	Alveolar Epith	Hyperplasia	Mild
* Ovary		Atrophy	Moderate
* Skin	Subcut Tiss	Sarcoma	
[Sarcoma TGLS = 2-10]			
* Spleen		Hematopoietic Cell Proliferation	Moderate
* Thymus		Atrophy	Marked
* Trachea			
Note: Tracheal section is actually larynx.			

PRIMARY CAUSE OF DEATH - Skin Subcut Tiss Sarcoma

Animal Note: Laryngeal section was taken as adequate assessment of trachea.

Animal Note: Tissues missing due to cannibalization include right eye and harderian gland, left ovary, one clitoral gland, and left sciatic nerve and adjacent muscles.

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99023-04
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: beta-Myrcene
CAS Number: 123-35-3

Date Report Requested: 10/16/2014
Time Report Requested: 05:39:04
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 259

TRT#: 4

SEX: Female

DAY ON TEST: 728

DOSE: 0.25 G/KG

DISP: Terminal Sacrifice

HISTO: 0401129

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Bone Marrow	* Brain
* Clitoral Gland	* Esophagus	* Eye	* Gallbladder
* Harderian Gland	* Heart	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Kidney	* Lymph Node, Mandibular	* Lymph Node, Mesenteric
* Mammary Gland	* Nose	* Pancreas	* Parathyroid Gland
* Pituitary Gland	* Salivary Glands	* Skin	* Stomach, Forestomach
* Stomach, Glandular	* Thyroid Gland	* Trachea	* Urinary Bladder
* Uterus			

OBSERVATIONS

* Adrenal Cortex	Subcapsular	Hyperplasia	Moderate
* Liver		Eosinophilic Focus	
		Hepatocellular Carcinoma	
		Inflammation	Chronic Active, Minimal
Note: Eosinophilic focus in B12 has angiectasis. [Eosinophilic Focus TGLS = 4-12] [Hepatocellular Carcinoma TGLS = 3-11]			
* Lung		Hepatocellular Carcinoma	Metastatic (Liver)
Mesentery	Fat	Necrosis	Moderate
			[Necrosis TGLS = 1-10]
* Ovary		Atrophy	Marked
	Corpus Luteum	Cyst	Minimal
* Spleen		Hematopoietic Cell Proliferation	Marked
			[Hematopoietic Cell Proliferation TGLS = 2-4]
* Thymus		Atrophy	Minimal

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99023-04
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: beta-Myrcene
CAS Number: 123-35-3

Date Report Requested: 10/16/2014
Time Report Requested: 05:39:04
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 260

TRT#: 4

SEX: Female

DAY ON TEST: 728

DOSE: 0.25 G/KG

DISP: Terminal Sacrifice

HISTO: 0401130

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Bone Marrow	* Brain
* Clitoral Gland	* Esophagus	* Eye	* Gallbladder
* Harderian Gland	* Heart	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Lung	* Lymph Node, Mandibular	* Lymph Node, Mesenteric
* Mammary Gland	* Nose	* Pancreas	* Parathyroid Gland
* Pituitary Gland	* Salivary Glands	* Skin	* Stomach, Forestomach
* Stomach, Glandular	* Thymus	* Thyroid Gland	* Trachea
* Urinary Bladder	* Uterus		

OBSERVATIONS

* Adrenal Cortex	Subcapsular	Hyperplasia	Moderate
* Kidney		Mineralization	Minimal
		Nephropathy	Mild
* Liver		Fatty Change	Minimal
		Inflammation	Chronic Active, Minimal
Mesentery	Fat	Necrosis	Minimal
[Necrosis TGLS = 1-10]			
* Ovary		Atrophy	Moderate
* Spleen		Hematopoietic Cell Proliferation	Minimal
		Pigmentation	Hemosiderin, Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99023-04
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: beta-Myrcene
CAS Number: 123-35-3

Date Report Requested: 10/16/2014
Time Report Requested: 05:39:04
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 261

TRT#: 4

SEX: Female

DAY ON TEST: 716

DOSE: 0.25 G/KG

DISP: Moribund Sacrifice

HISTO: 0401131

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Brain	* Clitoral Gland
* Esophagus	* Eye	* Gallbladder	* Harderian Gland
* Heart	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Mammary Gland	* Nose	* Pancreas	* Parathyroid Gland
* Pituitary Gland	* Salivary Glands	* Stomach, Glandular	* Thyroid Gland
* Trachea	* Urinary Bladder		

OBSERVATIONS

* Adrenal Cortex	Subcapsular	Hyperplasia	Mild
Blood Vessel		Mineralization	Marked
Note: The vascular mineralization of aorta and pulmonary veins and arteries suggests "humoral hypercalcemia of malignancy" since the kidneys are fairly normal.			
* Bone Marrow		Sarcoma	Metastatic (Skin)
Note: Rib bone marrow is infiltrated by the sarcoma (B10).			
* Harderian Gland			
Note: One harderian gland was missing from the block and wet tissues.			
* Kidney		Mineralization	Minimal
* Liver		Fatty Change	Mild
		Regeneration	Moderate
		Vacuolization Cytoplasmic	Mild
* Lung		Sarcoma	Metastatic (Skin)
* Lymph Node, Mandibular		Atrophy	Minimal
* Lymph Node, Mesenteric		Atrophy	Mild
* Ovary		Atrophy	Marked
* Skin	Subcut Tiss	Sarcoma	
Note: Sarcoma appears to be a neurofibrosarcoma arising from nerve root(s) near the ribs and spinal cord (B10). There is spinal cord compression. [Sarcoma TGLS = 2,3,4 - 10+11+12]			
* Spleen	Lymph Follic	Atrophy	Marked
		Hematopoietic Cell Proliferation	Mild
		Pigmentation	Hemosiderin, Minimal
* Stomach, Forestomach	Epithelium	Hyperplasia	Mild

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99023-04
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: beta-Myrcene
CAS Number: 123-35-3

Date Report Requested: 10/16/2014
Time Report Requested: 05:39:04
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 261

TRT#: 4

SEX: Female

DAY ON TEST: 716

DOSE: 0.25 G/KG

DISP: Moribund Sacrifice

HISTO: 0401131

ORGAN AND ACCOUNTABLE SITE STATUS

		Inflammation	Mild
		Ulcer	Mild
[Hyperplasia TGLS = 5 - 5+13]			
* Thymus		Sarcoma	Metastatic (Skin)
* Uterus	Endometrium	Hyperplasia	Moderate
[Hyperplasia TGLS = 1-7]			
PRIMARY CAUSE OF DEATH	- Skin Subcut Tiss Sarcoma		

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99023-04
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: beta-Myrcene
CAS Number: 123-35-3

Date Report Requested: 10/16/2014
Time Report Requested: 05:39:04
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 262

TRT#: 4

SEX: Female

DAY ON TEST: 727

DOSE: 0.25 G/KG

DISP: Terminal Sacrifice

HISTO: 0401132

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Bone Marrow	* Brain
* Clitoral Gland	* Esophagus	* Eye	* Gallbladder
* Heart	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Kidney	* Lung	* Lymph Node, Mandibular	* Lymph Node, Mesenteric
* Mammary Gland	* Nose	* Pancreas	* Parathyroid Gland
* Pituitary Gland	* Salivary Glands	* Skin	* Stomach, Forestomach
* Stomach, Glandular	* Thymus	* Thyroid Gland	* Trachea
* Urinary Bladder			

OBSERVATIONS

* Adrenal Cortex	Subcapsular	Hyperplasia	Moderate
* Harderian Gland		Adenoma	
* Liver		Fatty Change	Minimal
		Hepatocellular Adenoma	
		Inflammation	Chronic Active, Minimal
[Hepatocellular Adenoma TGLS = 2-10]			
* Ovary		Atrophy	Marked
		Inflammation	Granulomatous, Minimal
Note: Ovarian granuloma with mineralization (the latter was not coded separately).			
* Spleen		Hematopoietic Cell Proliferation	Mild
* Uterus	Endometrium	Hyperplasia	Marked
[Hyperplasia TGLS = 1-7]			

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99023-04
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: beta-Myrcene
CAS Number: 123-35-3

Date Report Requested: 10/16/2014
Time Report Requested: 05:39:04
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 263

TRT#: 4

SEX: Female

DAY ON TEST: 594

DOSE: 0.25 G/KG

DISP: Natural Death

HISTO: 0401133

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Bone Marrow	* Brain
* Esophagus	* Eye	* Gallbladder	* Harderian Gland
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Lung
* Lymph Node, Mandibular	* Mammary Gland	* Pancreas	* Parathyroid Gland
* Pituitary Gland	* Salivary Glands	* Skin	* Stomach, Glandular
* Thyroid Gland	* Trachea	* Urinary Bladder	

MISSING

* Clitoral Gland

OBSERVATIONS

* Adrenal Cortex	Subcapsular	Hyperplasia	Moderate
* Heart		Mineralization	Mild
* Kidney		Amyloid Deposition	Marked
		Mineralization	Minimal
		Nephropathy	Mild
Note: Amyloid accumulation in glomeruli.			
* Liver		Fatty Change	Minimal
		Vacuolization Cytoplasmic	Marked
[Vacuolization Cytoplasmic TGLS = 2 - 3+4+5]			
* Lymph Node, Mesenteric		Atrophy	Mild
* Nose	Olfactory Epi	Degeneration	Minimal
* Ovary		Atrophy	Moderate
* Spleen	Lymph Follic	Atrophy	Moderate
		Pigmentation	Hemosiderin, Mild
[Atrophy TGLS = 1-4]			
* Stomach, Forestomach	Epithelium	Hyperplasia	Mild
		Inflammation	Minimal
* Thymus		Atrophy	Marked
* Uterus	Endometrium	Hyperplasia	Minimal

PRIMARY CAUSE OF DEATH - Liver Vacuolization Cytoplasmic

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99023-04
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: beta-Myrcene
CAS Number: 123-35-3

Date Report Requested: 10/16/2014
Time Report Requested: 05:39:04
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 263

TRT#: 4

SEX: Female

DAY ON TEST: 594

DOSE: 0.25 G/KG

DISP: Natural Death

HISTO: 0401133

ORGAN AND ACCOUNTABLE SITE STATUS

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99023-04
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: beta-Myrcene
CAS Number: 123-35-3

Date Report Requested: 10/16/2014
Time Report Requested: 05:39:04
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 264

TRT#: 4

SEX: Female

DAY ON TEST: 728

DOSE: 0.25 G/KG

DISP: Terminal Sacrifice

HISTO: 0401134

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Bone Marrow	* Brain
* Clitoral Gland	* Esophagus	* Eye	* Gallbladder
* Harderian Gland	* Heart	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Kidney	* Lung	* Lymph Node, Mandibular
* Lymph Node, Mesenteric	* Mammary Gland	* Nose	* Pancreas
* Pituitary Gland	* Salivary Glands	* Skin	* Stomach, Forestomach
* Stomach, Glandular	* Thymus	* Thyroid Gland	* Trachea
* Urinary Bladder	* Uterus		

MISSING

* Parathyroid Gland

OBSERVATIONS

* Adrenal Cortex	Subcapsular	Hyperplasia	Moderate
* Liver		Fatty Change	Mild
		Inflammation	Chronic Active, Minimal
* Ovary		Atrophy	Moderate
* Spleen		Pigmentation	Hemosiderin, Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99023-04
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: beta-Myrcene
CAS Number: 123-35-3

Date Report Requested: 10/16/2014
Time Report Requested: 05:39:04
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 265

TRT#: 4

SEX: Female

DAY ON TEST: 729

DOSE: 0.25 G/KG

DISP: Terminal Sacrifice

HISTO: 0401135

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Bone Marrow	* Brain
* Clitoral Gland	* Esophagus	* Eye	* Gallbladder
* Harderian Gland	* Heart	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Lung	* Lymph Node, Mandibular	* Lymph Node, Mesenteric
* Mammary Gland	* Pancreas	* Pituitary Gland	* Salivary Glands
* Skin	* Stomach, Forestomach	* Stomach, Glandular	* Thymus
* Thyroid Gland	* Trachea	* Urinary Bladder	

MISSING

* Parathyroid Gland

OBSERVATIONS

* Adrenal Cortex	Subcapsular	Hyperplasia	Moderate
* Kidney		Nephropathy	Minimal
* Liver		Fatty Change	Minimal
		Inflammation	Chronic Active, Mild
* Nose	Olfactory Epi	Degeneration	Minimal
* Ovary		Atrophy	Marked
* Spleen		Hematopoietic Cell Proliferation	Minimal
* Uterus	Endometrium	Hyperplasia	Moderate

[Hyperplasia TGLS = 1-7]

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99023-04
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: beta-Myrcene
CAS Number: 123-35-3

Date Report Requested: 10/16/2014
Time Report Requested: 05:39:04
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 266

TRT#: 4

SEX: Female

DAY ON TEST: 729

DOSE: 0.25 G/KG

DISP: Terminal Sacrifice

HISTO: 0401136

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Brain	* Esophagus
* Eye	* Gallbladder	* Harderian Gland	* Heart
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Lymph Node, Mandibular
* Lymph Node, Mesenteric	* Mammary Gland	* Pancreas	* Parathyroid Gland
* Pituitary Gland	* Salivary Glands	* Skin	* Stomach, Glandular
* Thymus	* Thyroid Gland	* Trachea	* Urinary Bladder

OBSERVATIONS

* Adrenal Cortex	Subcapsular	Hyperplasia	Moderate
* Bone Marrow		Hemangiosarcoma	
* Clitoral Gland		Hemangiosarcoma	
[Hemangiosarcoma TGLS = 1-8]			
* Kidney		Nephropathy	Minimal
* Liver		Fatty Change	Minimal
		Inflammation	Chronic Active, Minimal
* Lung	Alveolar Epith	Hyperplasia	Minimal
	Bronchiole	Hyperplasia	Mild
* Nose	Olfactory Epi	Degeneration	Minimal
* Ovary		Atrophy	Marked
* Spleen		Hematopoietic Cell Proliferation	Mild
		Pigmentation	Hemosiderin, Minimal
* Stomach, Forestomach	Epithelium	Hyperplasia	Mild
		Inflammation	Mild
* Uterus	Endometrium	Hyperplasia	Moderate
[Hyperplasia TGLS = 2-7]			

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99023-04
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: beta-Myrcene
CAS Number: 123-35-3

Date Report Requested: 10/16/2014
Time Report Requested: 05:39:04
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 267	TRT#: 4	SEX: Female	DAY ON TEST: 727
	DOSE: 0.25 G/KG	DISP: Terminal Sacrifice	HISTO: 0401137

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Bone Marrow	* Brain
* Clitoral Gland	* Esophagus	* Eye	* Gallbladder
* Harderian Gland	* Heart	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Kidney	* Lung	* Lymph Node, Mandibular
* Mammary Gland	* Nose	* Pituitary Gland	* Salivary Glands
* Skin	* Stomach, Forestomach	* Stomach, Glandular	* Thymus
* Thyroid Gland	* Trachea	* Urinary Bladder	

MISSING

* Parathyroid Gland

OBSERVATIONS

* Adrenal Cortex	Subcapsular	Hyperplasia	Moderate
* Liver		Fatty Change	Minimal
		Inflammation	Chronic Active, Minimal
* Lymph Node, Mesenteric		Atrophy	Mild
* Ovary		Atrophy	Marked
* Pancreas	Acinus	Cytoplasmic Alteration	Focal, Minimal
* Spleen		Hematopoietic Cell Proliferation	Minimal
* Uterus	Endometrium	Hyperplasia	Moderate

[Hyperplasia TGLS = 1-7]

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99023-04
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: beta-Myrcene
CAS Number: 123-35-3

Date Report Requested: 10/16/2014
Time Report Requested: 05:39:04
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 268

TRT#: 4

SEX: Female

DAY ON TEST: 729

DOSE: 0.25 G/KG

DISP: Terminal Sacrifice

HISTO: 0401138

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Bone Marrow	* Brain
* Clitoral Gland	* Esophagus	* Eye	* Gallbladder
* Heart	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Lung	* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Mammary Gland
* Nose	* Pancreas	* Parathyroid Gland	* Pituitary Gland
* Salivary Glands	* Skin	* Stomach, Forestomach	* Stomach, Glandular
* Thymus	* Thyroid Gland	* Trachea	* Urinary Bladder

OBSERVATIONS

* Adrenal Cortex	Subcapsular	Hyperplasia	Moderate
* Harderian Gland		Hyperplasia	Mild
* Kidney		Nephropathy	Minimal
* Liver		Fatty Change	Minimal
		Inflammation	Chronic Active, Minimal
* Ovary	Rete Ovarii	Atrophy	Mild
		Cyst	Marked
	[Cyst TGLS = 1-7]		
* Spleen		Hematopoietic Cell Proliferation	Minimal
		Infiltration Cellular	Plasma Cell, Mild
	Note: Russell bodies are moderately abundant.		
* Uterus	Endometrium	Hyperplasia	Mild
	Note: TGL-2 (uterine nodule) was created by hemorrhage into cystic endometrium.		
	[Hyperplasia TGLS = 2-7]		

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99023-04
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: beta-Myrcene
CAS Number: 123-35-3

Date Report Requested: 10/16/2014
Time Report Requested: 05:39:04
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 269

TRT#: 4

SEX: Female

DAY ON TEST: 728

DOSE: 0.25 G/KG

DISP: Terminal Sacrifice

HISTO: 0401139

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Brain	* Clitoral Gland
* Esophagus	* Eye	* Gallbladder	* Harderian Gland
* Heart	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Lung	* Lymph Node, Mandibular	* Mammary Gland	* Nose
* Pancreas	* Parathyroid Gland	* Pituitary Gland	* Salivary Glands
* Skin	* Stomach, Forestomach	* Stomach, Glandular	* Thymus
* Thyroid Gland	* Trachea		

OBSERVATIONS

* Adrenal Cortex	Subcapsular	Hyperplasia	Moderate
* Bone Marrow		Myelofibrosis	Minimal
* Kidney		Lymphoma Malignant	
* Liver	Bile Duct	Hyperplasia	Mild
Lymph Node		Lymphoma Malignant	
* Lymph Node, Mesenteric	Pancreatic	Lymphoma Malignant	
* Ovary		Atrophy	Marked
* Spleen		Lymphoma Malignant	
* Urinary Bladder		Lymphoma Malignant	
* Uterus	Endometrium	Hyperplasia	Minimal

[Hyperplasia TGLS = 1-7]

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99023-04
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: beta-Myrcene
CAS Number: 123-35-3

Date Report Requested: 10/16/2014
Time Report Requested: 05:39:04
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 270

TRT#: 4

SEX: Female

DAY ON TEST: 503

DOSE: 0.25 G/KG

DISP: Natural Death

HISTO: 0401140

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Bone	* Bone Marrow	* Brain	* Clitoral Gland
* Eye	* Gallbladder	* Harderian Gland	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Lung	* Mammary Gland
* Nose	* Pituitary Gland	* Salivary Glands	* Skin
* Stomach, Glandular	* Thyroid Gland	* Trachea	* Urinary Bladder
* Uterus			

MISSING

* Lymph Node, Mesenteric	* Parathyroid Gland	* Thymus
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OBSERVATIONS

* Adrenal Cortex	Subcapsular	Hyperplasia	Mild
* Adrenal Medulla		Hyperplasia	Marked
Blood Vessel		Mineralization	Mild
Note: The aorta and several large blood vessels in B06 are mineralized.			
* Esophagus	Nerve	Schwannoma Malignant	Metastatic (Uncertain Primary Site)
Note: Schwannoma travels along vagus nerve in section B03.			
* Heart		Mineralization	Minimal
* Kidney		Mineralization	Minimal
	Renal Tubule	Necrosis	Minimal
* Liver		Fatty Change	Mild
		Inflammation	Chronic Active, Moderate
		Necrosis	Mild
		Vacuolization Cytoplasmic	Mild
* Lymph Node, Mandibular		Atrophy	Mild
Mesentery		Schwannoma Malignant	Metastatic (Uncertain Primary Site)
[Schwannoma Malignant TGLS = 1-10]			
* Ovary		Atrophy	Mild
* Pancreas		Schwannoma Malignant	Metastatic (Uncertain Primary Site)
* Spleen	Lymph Follic	Atrophy	Marked
* Stomach, Forestomach	Epithelium	Hyperplasia	Minimal

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99023-04
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: beta-Myrcene
CAS Number: 123-35-3

Date Report Requested: 10/16/2014
Time Report Requested: 05:39:04
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 270

TRT#: 4
DOSE: 0.25 G/KG

SEX: Female
DISP: Natural Death

DAY ON TEST: 503
HISTO: 0401140

ORGAN AND ACCOUNTABLE SITE STATUS

[Hyperplasia TGLS = 2- 5+10]

Serosa

Schwannoma Malignant

Metastatic (Uncertain Primary Site)

PRIMARY CAUSE OF DEATH

- Mesentery Schwannoma Malignant Uncertain Primary Site

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99023-04
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: beta-Myrcene
CAS Number: 123-35-3

Date Report Requested: 10/16/2014
Time Report Requested: 05:39:04
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 271

TRT#: 4

SEX: Female

DAY ON TEST: 532

DOSE: 0.25 G/KG

DISP: Moribund Sacrifice

HISTO: 0401141

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Bone Marrow	* Brain
* Clitoral Gland	* Esophagus	* Eye	* Gallbladder
* Harderian Gland	* Heart	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Lung	* Lymph Node, Mesenteric	* Mammary Gland
* Nose	* Pancreas	* Pituitary Gland	* Salivary Glands
* Skin	* Stomach, Forestomach	* Stomach, Glandular	* Thyroid Gland
* Trachea	* Urinary Bladder		

MISSING

* Parathyroid Gland

OBSERVATIONS

* Adrenal Cortex	Capsule	Fibrosis	Mild
	Subcapsular	Hyperplasia	Moderate
Note: Fibrosis from adjacent fat necrosis and inflammation.			
* Clitoral Gl			
Note: One clitoral gland was missing from block and wet tissues.			
* Kidney		Mineralization	Minimal
* Liver		Hematopoietic Cell Proliferation	Mild
		Necrosis	Minimal
		Vacuolization Cytoplasmic	Minimal
* Lymph Node, Mandibular		Atrophy	Minimal
Mesentery	Fat	Necrosis	Marked
[Necrosis TGLS = 1-10]			
* Ovary		Atrophy	Moderate
Skeletal Muscle		Inflammation	Mild
Note: Necrosis and associated inflammation extends into adjacent skeletal muscle of body wall (B08).			
* Spleen	Lymph Follic	Atrophy	Moderate
		Hematopoietic Cell Proliferation	Mild
* Thymus		Atrophy	Marked
* Uterus	Endometrium	Hyperplasia	Minimal

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99023-04
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: beta-Myrcene
CAS Number: 123-35-3

Date Report Requested: 10/16/2014
Time Report Requested: 05:39:04
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 271

TRT#: 4

SEX: Female

DAY ON TEST: 532

DOSE: 0.25 G/KG

DISP: Moribund Sacrifice

HISTO: 0401141

ORGAN AND ACCOUNTABLE SITE STATUS

PRIMARY CAUSE OF DEATH

- Mesentery Fat Necrosis

Animal Note: Acute fat necrosis may be cause of death.

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99023-04
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: beta-Myrcene
CAS Number: 123-35-3

Date Report Requested: 10/16/2014
Time Report Requested: 05:39:04
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 272

TRT#: 4

SEX: Female

DAY ON TEST: 728

DOSE: 0.25 G/KG

DISP: Terminal Sacrifice

HISTO: 0401142

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Bone Marrow	* Brain
* Clitoral Gland	* Esophagus	* Eye	* Gallbladder
* Harderian Gland	* Heart	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Kidney	* Lymph Node, Mandibular	* Lymph Node, Mesenteric
* Mammary Gland	* Nose	* Pancreas	* Pituitary Gland
* Salivary Glands	* Skin	* Stomach, Glandular	* Thymus
* Thyroid Gland	* Trachea	* Urinary Bladder	

MISSING

* Parathyroid Gland

OBSERVATIONS

* Adrenal Cortex	Subcapsular	Hyperplasia	Moderate
* Liver		Fatty Change	Minimal
* Lung		Sarcoma	Metastatic (Uncertain Primary Site)
* Ovary		Atrophy	Moderate
* Spleen		Hematopoietic Cell Proliferation	Minimal
* Stomach, Forestomach	Epithelium	Hyperplasia	Minimal
Tooth		Dysplasia	
* Uterus	Endometrium	Hyperplasia	Minimal

[Hyperplasia TGLS = 1-7]

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99023-04
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: beta-Myrcene
CAS Number: 123-35-3

Date Report Requested: 10/16/2014
Time Report Requested: 05:39:04
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 273

TRT#: 4

SEX: Female

DAY ON TEST: 727

DOSE: 0.25 G/KG

DISP: Terminal Sacrifice

HISTO: 0401143

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Brain	* Clitoral Gland
* Esophagus	* Eye	* Gallbladder	* Harderian Gland
* Heart	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Lung	* Lymph Node, Mesenteric	* Mammary Gland	* Nose
* Parathyroid Gland	* Pituitary Gland	* Salivary Glands	* Skin
* Stomach, Glandular	* Thymus	* Thyroid Gland	* Trachea
* Urinary Bladder			

INSUFFICIENT TISSUE

* Bone Marrow

OBSERVATIONS

* Adrenal Cortex	Subcapsular	Hyperplasia	Moderate
* Kidney		Mineralization	Minimal
* Liver		Clear Cell Focus	
		Fatty Change	Minimal
		Inflammation	Chronic Active, Minimal
* Lymph Node, Mandibular		Atrophy	Minimal
* Ovary		Atrophy	Moderate
* Pancreas		Atrophy	Moderate
Note: TGL-1 "cysts" are due to severe atrophy making ducts appear prominent.			
[Atrophy TGLS = 1,2 - 5+10]			
* Spleen		Hematopoietic Cell Proliferation	Minimal
* Stomach, Forestomach	Epithelium	Hyperplasia	Minimal
* Uterus	Endometrium	Hyperplasia	Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99023-04
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: beta-Myrcene
CAS Number: 123-35-3

Date Report Requested: 10/16/2014
Time Report Requested: 05:39:04
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 274

TRT#: 4

SEX: Female

DAY ON TEST: 729

DOSE: 0.25 G/KG

DISP: Terminal Sacrifice

HISTO: 0401144

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Bone Marrow	* Brain
* Clitoral Gland	* Esophagus	* Eye	* Gallbladder
* Harderian Gland	* Heart	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Mammary Gland
* Nose	* Pancreas	* Pituitary Gland	* Salivary Glands
* Skin	* Stomach, Glandular	* Thymus	* Thyroid Gland
* Trachea	* Urinary Bladder		

MISSING

* Parathyroid Gland

OBSERVATIONS

* Adrenal Cortex	Subcapsular	Hyperplasia	Moderate
* Kidney	Cortex	Infarct	Minimal
		Metaplasia	Osseous, Mild
		Mineralization	Minimal
		Nephropathy	Minimal
Note: Osseous metaplasia in area of infarction.			
* Liver		Fatty Change	Minimal
		Hepatocellular Adenoma	
		Inflammation	Chronic Active, Minimal
[Hepatocellular Adenoma TGLS = 2-10]			
* Lung	Alveolar Epith	Hyperplasia	Mild
* Ovary		Atrophy	Mild
Note: One ovary was missing from block and wet tissues.			
* Spleen		Hematopoietic Cell Proliferation	Minimal
* Stomach, Forestomach	Epithelium	Hyperplasia	Minimal
* Uterus	Endometrium	Hyperplasia	Mild

[Hyperplasia TGLS = 1-7]

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99023-04
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: beta-Myrcene
CAS Number: 123-35-3

Date Report Requested: 10/16/2014
Time Report Requested: 05:39:04
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 275

TRT#: 4

SEX: Female

DAY ON TEST: 706

DOSE: 0.25 G/KG

DISP: Natural Death

HISTO: 0401145

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Brain	* Clitoral Gland
* Gallbladder	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Mammary Gland	* Parathyroid Gland	* Pituitary Gland	* Trachea

OBSERVATIONS

* Adrenal Cortex	Subcapsular	Hyperplasia Lymphoma Malignant	Mild
* Bone Marrow		Lymphoma Malignant	
* Esophagus		Lymphoma Malignant	
* Eye		Lymphoma Malignant	
* Harderian Gland		Lymphoma Malignant	
* Heart		Lymphoma Malignant	
* Kidney		Lymphoma Malignant	
* Liver	Cortex	Metaplasia Fatty Change Lymphoma Malignant	Osseous, Minimal Moderate
* Lung		Lymphoma Malignant	
Lymph Node	Bronchial	Lymphoma Malignant	
	Lumbar	Lymphoma Malignant	
	Mediastinal	Lymphoma Malignant	
Note: Bronchial lymph nodes are obliterated by massive infiltration by lymphoma (B03). [Lymphoma Malignant TGLS = 5-13]			
* Lymph Node, Mandibular		Lymphoma Malignant	
* Lymph Node, Mesenteric		Lymphoma Malignant	
[Lymphoma Malignant TGLS = 4-12]			
Mesentery		Lymphoma Malignant	
* Nose	Olfactory Epi	Degeneration	Minimal
* Ovary		Lymphoma Malignant	
* Pancreas		Lymphoma Malignant	
Peripheral Nerve		Lymphoma Malignant	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99023-04
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: beta-Myrcene
CAS Number: 123-35-3

Date Report Requested: 10/16/2014
Time Report Requested: 05:39:04
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 275

TRT#: 4

SEX: Female

DAY ON TEST: 706

DOSE: 0.25 G/KG

DISP: Natural Death

HISTO: 0401145

ORGAN AND ACCOUNTABLE SITE STATUS

Note: Affected nerves include trigeminal in B01 and vagal in B03 (along esophagus).

* Salivary Glands

Lymphoma Malignant

Skeletal Muscle

Lymphoma Malignant

Note: Lymphoma present in B01 facial muscles, B08 in body wall muscles, and B09 periocular muscles.

* Skin

Lymphoma Malignant

Note: Affected skin in B08 includes in mammary section and adjacent to one clitoral.

* Spleen

Lymphoma Malignant

[Lymphoma Malignant TGLS = 1-10]

* Stomach, Forestomach

Epithelium

Hyperplasia

Mild

Lymphoma Malignant

Ulcer

Mild

[Hyperplasia TGLS = 6 - 5+14]

* Stomach, Glandular

Lymphoma Malignant

* Thymus

Lymphoma Malignant

* Thyroid Gland

Lymphoma Malignant

* Urinary Bladder

Lymphoma Malignant

[Lymphoma Malignant TGLS = 2-11]

* Uterus

Lymphoma Malignant

PRIMARY CAUSE OF DEATH

- Spleen Lymphoma Malignant

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99023-04
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: beta-Myrcene
CAS Number: 123-35-3

Date Report Requested: 10/16/2014
Time Report Requested: 05:39:04
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 276

TRT#: 4

SEX: Female

DAY ON TEST: 727

DOSE: 0.25 G/KG

DISP: Terminal Sacrifice

HISTO: 0401146

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Brain	* Clitoral Gland
* Esophagus	* Eye	* Gallbladder	* Heart
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Kidney
* Lung	* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Mammary Gland
* Nose	* Pancreas	* Parathyroid Gland	* Pituitary Gland
* Salivary Glands	* Skin	* Stomach, Forestomach	* Stomach, Glandular
* Thymus	* Thyroid Gland	* Trachea	* Urinary Bladder
* Uterus			

OBSERVATIONS

* Adrenal Cortex	Subcapsular	Hyperplasia	Mild
* Bone Marrow		Myelofibrosis	Minimal
* Harderian Gland		Adenoma	
[Adenoma TGLS = 1-9]			
* Liver		Fatty Change	Mild
		Hepatocellular Adenoma	
[Hepatocellular Adenoma TGLS = 2-10]		Inflammation	Chronic Active, Minimal
* Ovary		Atrophy	Moderate
* Spleen		Hematopoietic Cell Proliferation	Minimal
		Pigmentation	Hemosiderin, Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99023-04
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: beta-Myrcene
CAS Number: 123-35-3

Date Report Requested: 10/16/2014
Time Report Requested: 05:39:04
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 277

TRT#: 4

SEX: Female

DAY ON TEST: 728

DOSE: 0.25 G/KG

DISP: Terminal Sacrifice

HISTO: 0401147

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Brain	* Clitoral Gland
* Esophagus	* Eye	* Gallbladder	* Harderian Gland
* Heart	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Lung	* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Mammary Gland
* Nose	* Pancreas	* Pituitary Gland	* Salivary Glands
* Skin	* Stomach, Forestomach	* Stomach, Glandular	* Thymus
* Thyroid Gland	* Trachea	* Urinary Bladder	

MISSING

* Parathyroid Gland

OBSERVATIONS

* Adrenal Cortex	Subcapsular	Hyperplasia	Moderate
* Bone Marrow		Myelofibrosis	Mild
* Kidney		Mineralization	Minimal
		Nephropathy	Minimal
* Liver		Inflammation	Chronic Active, Minimal
* Lung			
Note: There was no corresponding finding for TGL-2, the lung nodule found at trim.			
Mesentery	Fat	Necrosis	Moderate
[Necrosis TGLS = 1-10]			
* Ovary		Atrophy	Moderate
* Spleen		Hematopoietic Cell Proliferation	Minimal
* Uterus	Endometrium	Hyperplasia	Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99023-04
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: beta-Myrcene
CAS Number: 123-35-3

Date Report Requested: 10/16/2014
Time Report Requested: 05:39:04
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 278

TRT#: 4

SEX: Female

DAY ON TEST: 729

DOSE: 0.25 G/KG

DISP: Terminal Sacrifice

HISTO: 0401148

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Bone Marrow	* Brain
* Clitoral Gland	* Esophagus	* Eye	* Gallbladder
* Harderian Gland	* Heart	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Kidney	* Lung	* Lymph Node, Mandibular
* Lymph Node, Mesenteric	* Mammary Gland	* Nose	* Pancreas
* Parathyroid Gland	* Pituitary Gland	* Salivary Glands	* Skin
* Stomach, Forestomach	* Stomach, Glandular	* Thymus	* Thyroid Gland
* Trachea	* Urinary Bladder		

OBSERVATIONS

* Adrenal Cortex	Subcapsular	Hyperplasia	Moderate
* Clitoral GI			
Note: One clitoral gland was missing from block and wet tissues.			
* Liver		Fatty Change Hepatocellular Adenoma Inflammation	Minimal Chronic Active, Minimal
[Hepatocellular Adenoma TGLS = 2-10]			
* Ovary		Atrophy	Marked
* Spleen		Pigmentation	Hemosiderin, Minimal
* Uterus	Endometrium	Hyperplasia	Mild
[Hyperplasia TGLS = 1-7]			

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99023-04
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: beta-Myrcene
CAS Number: 123-35-3

Date Report Requested: 10/16/2014
Time Report Requested: 05:39:04
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 279	TRT#: 4	SEX: Female	DAY ON TEST: 608
	DOSE: 0.25 G/KG	DISP: Natural Death	HISTO: 0401149

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Bone Marrow	* Brain
* Clitoral Gland	* Esophagus	* Eye	* Gallbladder
* Harderian Gland	* Heart	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Small, Ileum	* Islets, Pancreatic	* Kidney	* Lung
* Lymph Node, Mandibular	* Mammary Gland	* Nose	* Pancreas
* Pituitary Gland	* Salivary Glands	* Skin	* Stomach, Forestomach
* Stomach, Glandular	* Thyroid Gland	* Trachea	* Urinary Bladder
* Uterus			

MISSING

* Parathyroid Gland

AUTO PRECLUDES DIAG.

* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Jejunum
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OBSERVATIONS

* Adrenal Cortex	Subcapsular	Hyperplasia	Moderate
* Liver		Hepatocellular Carcinoma	
[Hepatocellular Carcinoma TGLS = 1-10]			
* Lymph Node, Mesenteric		Atrophy	Marked
* Ovary		Atrophy	Moderate
* Spleen		Hematopoietic Cell Proliferation	Mild
		Pigmentation	Hemosiderin, Minimal
* Thymus		Atrophy	Minimal

PRIMARY CAUSE OF DEATH - Liver Hepatocellular Carcinoma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99023-04
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: beta-Myrcene
CAS Number: 123-35-3

Date Report Requested: 10/16/2014
Time Report Requested: 05:39:04
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 280

TRT#: 4

SEX: Female

DAY ON TEST: 729

DOSE: 0.25 G/KG

DISP: Terminal Sacrifice

HISTO: 0401150

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Bone Marrow	* Brain
* Clitoral Gland	* Esophagus	* Eye	* Gallbladder
* Heart	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Kidney	* Lung	* Lymph Node, Mesenteric	* Mammary Gland
* Nose	* Pancreas	* Pituitary Gland	* Salivary Glands
* Skin	* Stomach, Forestomach	* Stomach, Glandular	* Thymus
* Trachea	* Urinary Bladder	* Uterus	

MISSING

* Parathyroid Gland

OBSERVATIONS

* Adrenal Cortex	Subcapsular	Hyperplasia	Moderate
* Harderian Gland		Adenoma	
[Adenoma TGLS = 3-9]			
* Liver		Fatty Change	Mild
		Hepatocellular Carcinoma	
		Inflammation	Chronic Active, Minimal
[Hepatocellular Carcinoma TGLS = 1-10]			
* Lung			
Note: TGL-4, lung nodule observed at trim, had no corresponding lesion.			
* Lymph Node, Mandibular		Atrophy	Mild
Mesentery	Fat	Necrosis	Moderate
[Necrosis TGLS = 2-11]			
* Ovary		Atrophy	Marked
Note: Left ovary was missing at trim.			
* Spleen		Hematopoietic Cell Proliferation	Mild
* Thyroid Gland	Follicle	Cyst	Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99023-04
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: beta-Myrcene
CAS Number: 123-35-3

Date Report Requested: 10/16/2014
Time Report Requested: 05:39:04
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 281

TRT#: 4

SEX: Female

DAY ON TEST: 139

DOSE: 0.25 G/KG

DISP: Dosing Accident

HISTO: 0401151

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Brain	* Clitoral Gland
* Eye	* Gallbladder	* Harderian Gland	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Kidney	* Lymph Node, Mandibular
* Lymph Node, Mesenteric	* Mammary Gland	* Nose	* Ovary
* Pancreas	* Parathyroid Gland	* Pituitary Gland	* Salivary Glands
* Skin	* Stomach, Glandular	* Thyroid Gland	* Trachea
* Urinary Bladder	* Uterus		

OBSERVATIONS

* Adrenal Cortex	Subcapsular	Hyperplasia	Moderate
* Bone Marrow	Myeloid Cell	Hyperplasia	Moderate
* Esophagus		Inflammation	Mild
Note: Site of actual esophageal perforation was not visible in section, but inflammation attests to its presence. [Inflammation TGLS = 1-10]			
* Heart	Epicardium	Cardiomyopathy Inflammation	Minimal Moderate
* Int Sm Duoden			
Note: Discoloration of the lumen contents (TGL-3) in entire small intestine was due to blood from esophageal perforation; there were no lesions in small intestine.			
* Liver		Inflammation	Chronic Active, Minimal
* Lung		Inflammation	Suppurative, Moderate
Note: There was a poorly circumscribed abscess in the lung.			
* Spleen	Lymph Follic	Atrophy Hematopoietic Cell Proliferation	Marked Marked
* Stomach, Forestomach	Epithelium	Hyperplasia Inflammation	Minimal Minimal
Note: Discoloration of contents (TGL-2) was due to blood from esophageal perforation. No lesion was present in stomach that would cause content discoloration.			
* Thymus		Infiltration Cellular Inflammation	Plasma Cell, Moderate Mild

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99023-04
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: beta-Myrcene
CAS Number: 123-35-3

Date Report Requested: 10/16/2014
Time Report Requested: 05:39:04
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 282

TRT#: 4

SEX: Female

DAY ON TEST: 727

DOSE: 0.25 G/KG

DISP: Terminal Sacrifice

HISTO: 0401152

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Brain	* Clitoral Gland
* Esophagus	* Eye	* Gallbladder	* Heart
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Lung
* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Mammary Gland	* Nose
* Pancreas	* Parathyroid Gland	* Pituitary Gland	* Stomach, Forestomach
* Stomach, Glandular	* Thymus	* Trachea	

OBSERVATIONS

* Adrenal Cortex	Subcapsular Zona Fasciata	Hyperplasia Hyperplasia Myelofibrosis	Moderate Minimal Mild
* Bone Marrow		Hyperplasia	Marked
* Harderian Gland		Infiltration Cellular	Lymphocyte, Mild
* Kidney		Nephropathy	Minimal
* Liver		Eosinophilic Focus Fatty Change Infiltration Cellular Mixed Cell Focus	Minimal Lymphocyte, Mild
[Mixed Cell Focus TGLS = 3-11]			
Mesentery	Fat	Necrosis	Moderate
[Necrosis TGLS = 2-10]			
* Ovary		Atrophy	Moderate
Note: One ovary missing from block and wet tissues.			
* Salivary Glands		Infiltration Cellular	Lymphocyte, Mild
* Skin	Subcut Tiss	Fibrosis	Moderate
* Spleen		Hematopoietic Cell Proliferation Pigmentation	Minimal Hemosiderin, Mild
* Thyroid Gland		Inflammation	Minimal
* Urinary Bladder		Infiltration Cellular	Lymphocyte, Moderate
* Uterus	Endometrium	Hyperplasia	Marked

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99023-04
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: beta-Myrcene
CAS Number: 123-35-3

Date Report Requested: 10/16/2014
Time Report Requested: 05:39:04
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 282

TRT#: 4

SEX: Female

DAY ON TEST: 727

DOSE: 0.25 G/KG

DISP: Terminal Sacrifice

HISTO: 0401152

ORGAN AND ACCOUNTABLE SITE STATUS

[Hyperplasia TGLS = 1-7]

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99023-04
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: beta-Myrcene
CAS Number: 123-35-3

Date Report Requested: 10/16/2014
Time Report Requested: 05:39:04
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 283

TRT#: 4

SEX: Female

DAY ON TEST: 729

DOSE: 0.25 G/KG

DISP: Terminal Sacrifice

HISTO: 0401153

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Bone Marrow	* Brain
* Clitoral Gland	* Esophagus	* Eye	* Gallbladder
* Harderian Gland	* Heart	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Lung	* Lymph Node, Mandibular	* Lymph Node, Mesenteric
* Mammary Gland	* Nose	* Pancreas	* Pituitary Gland
* Salivary Glands	* Stomach, Glandular	* Thymus	* Trachea
* Uterus			

MISSING

* Parathyroid Gland

OBSERVATIONS

* Adrenal Cortex	Subcapsular	Hyperplasia	Mild
* Kidney		Infiltration Cellular	Lymphocyte, Mild
		Nephropathy	Minimal
* Liver		Basophilic Focus	
		Fatty Change	Mild
		Hepatocellular Adenoma	
		Infiltration Cellular	Lymphocyte, Mild
		Inflammation	Chronic Active, Minimal
		Vacuolization Cytoplasmic	Mild
	[Hepatocellular Adenoma TGLS = 1-10]		
* Ovary		Atrophy	Moderate
	Corpus Luteum	Cyst	Minimal
	Follicle	Cyst	Minimal
* Skin	Hair Follicle	Inflammation	Diffuse, Mild
* Spleen		Hematopoietic Cell Proliferation	Mild
		Hyperplasia	Lymphoid, Mild
* Stomach, Forestomach	Epithelium	Hyperplasia	Mild
* Thyroid Gland		Inflammation	Minimal
* Urinary Bladder		Infiltration Cellular	Lymphocyte, Mild

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99023-04
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: beta-Myrcene
CAS Number: 123-35-3

Date Report Requested: 10/16/2014
Time Report Requested: 05:39:04
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 283

TRT#: 4

SEX: Female

DAY ON TEST: 729

DOSE: 0.25 G/KG

DISP: Terminal Sacrifice

HISTO: 0401153

ORGAN AND ACCOUNTABLE SITE STATUS

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99023-04
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: beta-Myrcene
CAS Number: 123-35-3

Date Report Requested: 10/16/2014
Time Report Requested: 05:39:05
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 284

TRT#: 4

SEX: Female

DAY ON TEST: 728

DOSE: 0.25 G/KG

DISP: Terminal Sacrifice

HISTO: 0401154

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Bone Marrow	* Brain
* Clitoral Gland	* Esophagus	* Eye	* Gallbladder
* Harderian Gland	* Heart	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Kidney	* Lung	* Mammary Gland
* Nose	* Pancreas	* Parathyroid Gland	* Salivary Glands
* Skin	* Stomach, Forestomach	* Stomach, Glandular	* Thyroid Gland
* Trachea	* Urinary Bladder	* Uterus	

OBSERVATIONS

* Adrenal Cortex	Subcapsular	Hyperplasia	Moderate
* Liver		Fatty Change	Minimal
		Hepatocellular Adenoma	
		Hepatocellular Carcinoma	
		Inflammation	Chronic Active, Minimal
[Hepatocellular Adenoma TGLS = 3 - 11]			
[Hepatocellular Carcinoma TGLS = 1-10]			
Lymph Node	Mediastinal	Lymphoma Malignant	
* Lymph Node, Mandibular		Lymphoma Malignant	
* Lymph Node, Mesenteric		Lymphoma Malignant	
Mesentery	Fat	Necrosis	Minimal
[Necrosis TGLS = 2-10]			
* Ovary		Atrophy	Moderate
* Pituitary Gland	Pars Distalis	Adenoma	
* Spleen		Hematopoietic Cell Proliferation	Minimal
		Lymphoma Malignant	
* Thymus		Atrophy	Mild
Tooth		Dysplasia	

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99023-04
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: beta-Myrcene
CAS Number: 123-35-3

Date Report Requested: 10/16/2014
Time Report Requested: 05:39:05
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 285

TRT#: 4

SEX: Female

DAY ON TEST: 728

DOSE: 0.25 G/KG

DISP: Terminal Sacrifice

HISTO: 0401155

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Bone	* Bone Marrow	* Brain	* Esophagus
* Eye	* Gallbladder	* Heart	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Kidney	* Lung
* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Mammary Gland	* Nose
* Pancreas	* Pituitary Gland	* Salivary Glands	* Skin
* Stomach, Forestomach	* Stomach, Glandular	* Thymus	* Thyroid Gland
* Trachea	* Urinary Bladder		

MISSING

* Clitoral Gland

OBSERVATIONS

* Adrenal Cortex	Subcapsular	Hyperplasia	Mild
* Adrenal Medulla		Hyperplasia	Mild
* Harderian Gland		Adenoma	
* Liver		Fatty Change	Minimal
		Inflammation	Chronic Active, Minimal
Mesentery	Fat	Necrosis	Moderate
[Necrosis TGLS = 1-10]			
* Ovary		Atrophy	Marked
* Parathyroid Gland		Cyst	Mild
Note: The parathyroid cysts contain eosinophilic granules.			
* Spleen		Hematopoietic Cell Proliferation	Mild
* Uterus	Endometrium	Hyperplasia	Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99023-04
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: beta-Myrcene
CAS Number: 123-35-3

Date Report Requested: 10/16/2014
Time Report Requested: 05:39:05
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 286

TRT#: 4

SEX: Female

DAY ON TEST: 728

DOSE: 0.25 G/KG

DISP: Terminal Sacrifice

HISTO: 0401156

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Bone Marrow	* Brain
* Clitoral Gland	* Esophagus	* Eye	* Gallbladder
* Harderian Gland	* Heart	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Lung	Lymph Node	* Lymph Node, Mesenteric
* Mammary Gland	* Nose	* Pancreas	* Parathyroid Gland
* Pituitary Gland	* Salivary Glands	* Skin	* Stomach, Forestomach
* Stomach, Glandular	* Thymus	* Thyroid Gland	* Trachea
* Urinary Bladder			

OBSERVATIONS

* Adrenal Cortex	Subcapsular	Hyperplasia	Mild
* Kidney		Infarct	Minimal
		Infiltration Cellular	Lymphocyte, Mild
		Mineralization	Minimal
* Liver		Infiltration Cellular	Lymphocyte, Mild
		Inflammation	Chronic Active, Minimal
Lymph Node			
Note: Bronchial Lymph Node is normal.			
* Lymph Node, Mandibular		Hyperplasia	Lymphoid, Mild
* Ovary		Atrophy	Moderate
	Germinal Epith	Cyst	Mild
[Cyst TGLS = 2-7]			
* Spleen		Hematopoietic Cell Proliferation	Minimal
		Pigmentation	Hemosiderin, Mild
* Uterus	Endometrium	Hyperplasia	Moderate
[Hyperplasia TGLS = 1-7]			

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99023-04
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: beta-Myrcene
CAS Number: 123-35-3

Date Report Requested: 10/16/2014
Time Report Requested: 05:39:05
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 287

TRT#: 4

SEX: Female

DAY ON TEST: 423

DOSE: 0.25 G/KG

DISP: Natural Death

HISTO: 0401157

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Bone Marrow	* Brain
* Clitoral Gland	* Esophagus	* Eye	* Gallbladder
* Harderian Gland	* Heart	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Lung	* Lymph Node, Mandibular	* Mammary Gland
* Nose	* Pancreas	* Pituitary Gland	* Salivary Glands
* Skin	* Stomach, Forestomach	* Stomach, Glandular	* Thyroid Gland
* Trachea	* Urinary Bladder		

MISSING

* Parathyroid Gland

OBSERVATIONS

* Adrenal Cortex	Subcapsular	Hyperplasia	Mild
* Kidney	Renal Tubule	Necrosis	Minimal
* Liver		Fatty Change	Minimal
		Vacuolization Cytoplasmic	Minimal
* Lymph Node, Mesenteric		Atrophy	Minimal
* Ovary		Atrophy	Minimal
* Spleen	Lymph Follic	Atrophy	Moderate
		Hematopoietic Cell Proliferation	Minimal
		Pigmentation	Hemosiderin, Mild
* Thymus		Atrophy	Marked
* Uterus	Endometrium	Hyperplasia	Mild

[Hyperplasia TGLS = 1-7]

PRIMARY CAUSE OF DEATH

- UNCERTAIN

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99023-04
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: beta-Myrcene
CAS Number: 123-35-3

Date Report Requested: 10/16/2014
Time Report Requested: 05:39:05
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 288

TRT#: 4

SEX: Female

DAY ON TEST: 709

DOSE: 0.25 G/KG

DISP: Moribund Sacrifice

HISTO: 0401158

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Bone Marrow	* Brain
* Clitoral Gland	* Esophagus	* Eye	* Gallbladder
* Harderian Gland	* Heart	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Lymph Node, Mandibular	* Mammary Gland	* Pancreas
* Pituitary Gland	* Salivary Glands	* Skin	* Stomach, Forestomach
* Stomach, Glandular	* Thyroid Gland	* Trachea	* Urinary Bladder

MISSING

* Parathyroid Gland

OBSERVATIONS

* Adrenal Cortex	Subcapsular	Hyperplasia	Moderate
* Kidney		Infarct	Minimal
* Liver		Eosinophilic Focus	
		Hepatocellular Adenoma	Multiple
	[Hepatocellular Adenoma TGLS = 1,4 - 10+11]		
* Lung		Alveolar/Bronchiolar Carcinoma	
	Note: Lung-has intrapulmonary metastasis		
	[Alveolar/Bronchiolar Carcinoma TGLS = 3-12]		
Lymph Node	Bronchial	Alveolar/Bronchiolar Carcinoma	Metastatic (Lung)
	Mediastinal	Alveolar/Bronchiolar Carcinoma	Metastatic (Lung)
* Lymph Node, Mesenteric		Atrophy	Mild
* Nose	Olfactory Epi	Metaplasia	Respiratory, Mild
* Ovary		Atrophy	Marked
* Spleen		Pigmentation	Hemosiderin, Minimal
* Thymus		Alveolar/Bronchiolar Carcinoma	Metastatic (Lung)
		Atrophy	Moderate
* Uterus	Endometrium	Hyperplasia	Mild
	[Hyperplasia TGLS = 2-7]		

PRIMARY CAUSE OF DEATH - Lung Alveolar/Bronchiolar Carcinoma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99023-04
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: beta-Myrcene
CAS Number: 123-35-3

Date Report Requested: 10/16/2014
Time Report Requested: 05:39:05
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 289

TRT#: 4

SEX: Female

DAY ON TEST: 454

DOSE: 0.25 G/KG

DISP: Natural Death

HISTO: 0401159

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Bone Marrow	* Brain
* Clitoral Gland	* Esophagus	* Eye	* Gallbladder
* Harderian Gland	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Liver	* Lung	* Lymph Node, Mesenteric	* Mammary Gland
* Nose	* Pancreas	* Parathyroid Gland	* Pituitary Gland
* Salivary Glands	* Skin	* Stomach, Forestomach	* Stomach, Glandular
* Thyroid Gland	* Trachea	* Urinary Bladder	

OBSERVATIONS

* Adrenal Cortex	Subcapsular	Hyperplasia	Mild
* Eye			
Note: Optic nerves were not present in the block or wet tissues.			
* Heart	Valve	Inflammation Thrombosis	Marked Marked
Note: Marked septic valvular endocarditis.			
* Kidney	Papilla	Inflammation	Mild
* Lymph Node, Mandibular		Atrophy	Minimal
* Ovary		Atrophy	Minimal
* Spleen	Lymph Follic	Atrophy	Mild
		Hematopoietic Cell Proliferation	Moderate
* Thymus		Atrophy	Marked
* Uterus	Endometrium	Hyperplasia	Minimal

PRIMARY CAUSE OF DEATH

- Heart Valve Thrombosis

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99023-04
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: beta-Myrcene
CAS Number: 123-35-3

Date Report Requested: 10/16/2014
Time Report Requested: 05:39:05
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 290

TRT#: 4

SEX: Female

DAY ON TEST: 727

DOSE: 0.25 G/KG

DISP: Terminal Sacrifice

HISTO: 0401160

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Brain	* Clitoral Gland
* Esophagus	* Eye	* Gallbladder	* Heart
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Kidney
* Lung	* Lymph Node, Mandibular	* Mammary Gland	* Nose
* Pancreas	* Parathyroid Gland	* Salivary Glands	* Skin
* Stomach, Forestomach	* Stomach, Glandular	* Thymus	* Thyroid Gland
* Trachea			

OBSERVATIONS

* Adrenal Cortex	Subcapsular Zona Fasciata	Hyperplasia Hyperplasia Myelofibrosis	Moderate Minimal Minimal
* Bone Marrow		Adenoma	
* Harderian Gland		Angiectasis	Moderate
* Liver		Fatty Change	Mild
		Hepatocellular Adenoma	Multiple
		Inflammation	Chronic Active, Minimal
		Tension Lipidosis	Minimal
		Vacuolization Cytoplasmic	Minimal
			[Hepatocellular Adenoma TGLS = 4-13]
* Lymph Node, Mesenteric		Lymphoma Malignant	
Mesentery	Fat	Necrosis	Marked
			[Necrosis TGLS = 1,2 - 10+11]
* Ovary		Atrophy	Marked
	Periovarn Tiss	Cyst	Mild
			[Cyst TGLS = 5-7]
* Pituitary Gland	Pars Nervosa	Inflammation	Minimal
			Note: Inflammation around arteriole in pars nervosa.
* Spleen		Hematopoietic Cell Proliferation	Mild
		Lymphoma Malignant	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99023-04
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: beta-Myrcene
CAS Number: 123-35-3

Date Report Requested: 10/16/2014
Time Report Requested: 05:39:05
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 290	TRT#: 4	SEX: Female	DAY ON TEST: 727
	DOSE: 0.25 G/KG	DISP: Terminal Sacrifice	HISTO: 0401160

ORGAN AND ACCOUNTABLE SITE STATUS

[Lymphoma Malignant TGLS = 3 - 4+11+12]

* Urinary Bladder	Arteriole	Inflammation	Mild
* Uterus	Endometrium	Hyperplasia	Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99023-04
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: beta-Myrcene
CAS Number: 123-35-3

Date Report Requested: 10/16/2014
Time Report Requested: 05:39:05
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 291

TRT#: 4

SEX: Female

DAY ON TEST: 728

DOSE: 0.25 G/KG

DISP: Terminal Sacrifice

HISTO: 0401161

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Bone Marrow	* Brain
* Clitoral Gland	* Esophagus	* Eye	* Gallbladder
* Harderian Gland	* Heart	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Islets, Pancreatic
* Lung	* Mammary Gland	* Nose	* Pancreas
* Parathyroid Gland	* Pituitary Gland	* Salivary Glands	* Skin
* Stomach, Glandular	* Thymus	* Thyroid Gland	* Trachea
* Urinary Bladder			

OBSERVATIONS

* Adrenal Cortex	Subcapsular	Hyperplasia	Moderate
* Intestine Small, Jejunum	Serosa	Fibrosis	Mild
[Fibrosis TGLS = 1-10]			
* Kidney		Nephropathy	Minimal
* Liver		Fatty Change	Minimal
		Inflammation	Chronic Active, Minimal
Lymph Node	Mediastinal	Lymphoma Malignant	
* Lymph Node, Mandibular		Lymphoma Malignant	
* Lymph Node, Mesenteric		Lymphoma Malignant	
Mesentery	Fat	Necrosis	Mild
[Necrosis TGLS = 2-11]			
* Ovary		Angiectasis	Moderate
		Atrophy	Marked
	Follicle	Cyst	Minimal
* Spleen		Lymphoma Malignant	
[Lymphoma Malignant TGLS = 3-4]			
* Stomach, Forestomach		Squamous Cell Papilloma	
[Squamous Cell Papilloma TGLS = 4-12]			
* Uterus	Endometrium	Hyperplasia	Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99023-04
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: beta-Myrcene
CAS Number: 123-35-3

Date Report Requested: 10/16/2014
Time Report Requested: 05:39:05
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 292

TRT#: 4

SEX: Female

DAY ON TEST: 728

DOSE: 0.25 G/KG

DISP: Terminal Sacrifice

HISTO: 0401162

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Bone Marrow	* Brain
* Clitoral Gland	* Esophagus	* Eye	* Gallbladder
* Harderian Gland	* Heart	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Lung	* Lymph Node, Mandibular	* Lymph Node, Mesenteric
* Mammary Gland	* Nose	* Pancreas	* Salivary Glands
* Skin	* Stomach, Forestomach	* Stomach, Glandular	* Thymus
* Thyroid Gland	* Trachea	* Urinary Bladder	

MISSING

* Parathyroid Gland

OBSERVATIONS

* Adrenal Cortex	Subcapsular	Hyperplasia	Mild
Note: One adrenal was missing from block and wet tissues.			
* Kidney	Renal Tubule	Hyperplasia	Minimal
* Liver		Fatty Change	Mild
		Hepatocellular Adenoma	
		Inflammation	Chronic Active, Minimal
		Tension Lipidosis	Minimal
[Hepatocellular Adenoma TGLS = 4-12]			
Mesentery	Fat	Necrosis	Mild
[Necrosis TGLS = 2,3 - 10+11]			
* Ovary	Follicle	Cyst	Moderate
Note: Cyst is filled with a thrombus.			
Note: One ovary was missing from block and wet tissues.			
[Cyst TGLS = 1-7]			
* Pituitary Gland	Pars Distalis	Hyperplasia	Minimal
* Spleen		Pigmentation	Hemosiderin, Minimal
* Uterus	Endometrium	Hyperplasia	Mild
		Polyp Stromal	
[Polyp Stromal TGLS = 5-13]			

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99023-04
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: beta-Myrcene
CAS Number: 123-35-3

Date Report Requested: 10/16/2014
Time Report Requested: 05:39:05
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 292

TRT#: 4

SEX: Female

DAY ON TEST: 728

DOSE: 0.25 G/KG

DISP: Terminal Sacrifice

HISTO: 0401162

ORGAN AND ACCOUNTABLE SITE STATUS

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99023-04
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: beta-Myrcene
CAS Number: 123-35-3

Date Report Requested: 10/16/2014
Time Report Requested: 05:39:05
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 293

TRT#: 4

SEX: Female

DAY ON TEST: 698

DOSE: 0.25 G/KG

DISP: Natural Death

HISTO: 0401163

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Bone Marrow	* Brain
* Clitoral Gland	* Esophagus	* Eye	* Gallbladder
* Harderian Gland	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Kidney	* Lung	* Lymph Node, Mandibular	* Lymph Node, Mesenteric
* Mammary Gland	* Ovary	* Pancreas	* Salivary Glands
* Skin	* Stomach, Forestomach	* Stomach, Glandular	* Thyroid Gland
* Trachea	* Urinary Bladder		

MISSING

* Parathyroid Gland

OBSERVATIONS

* Adrenal Cortex	Subcapsular	Hyperplasia	Moderate
* Brain			
Note: TGL-2, a dark focus found at trim, had no corresponding lesion; it may have been a cross-section of blood vessel.			
* Heart		Degeneration Pigmentation	Mild Hemosiderin, Minimal
Note: Hemorrhages are present in areas of focal myocardial degeneration.			
* Liver		Fatty Change Inflammation Tension Lipidosis Vacuolization Cytoplasmic	Minimal Chronic Active, Minimal Minimal Minimal
* Nose	Olfactory Epi	Degeneration	Minimal
* Pituitary Gland	Pars Distalis	Hyperplasia	Marked
* Spleen	Lymph Follic	Atrophy Hematopoietic Cell Proliferation	Minimal Moderate
* Thymus		Atrophy	Mild
* Uterus	Endometrium	Hyperplasia	Mild

[Hyperplasia TGLS = 1-7]

PRIMARY CAUSE OF DEATH

- Heart Degeneration

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99023-04
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: beta-Myrcene
CAS Number: 123-35-3

Date Report Requested: 10/16/2014
Time Report Requested: 05:39:05
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 294

TRT#: 4

SEX: Female

DAY ON TEST: 533

DOSE: 0.25 G/KG

DISP: Natural Death

HISTO: 0401164

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Clitoral Gland	* Esophagus
* Eye	* Gallbladder	* Harderian Gland	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Lung	* Lymph Node, Mandibular
* Mammary Gland	* Nose	* Pancreas	* Parathyroid Gland
* Pituitary Gland	* Salivary Glands	* Skin	* Stomach, Forestomach
* Stomach, Glandular	* Thyroid Gland	* Trachea	* Urinary Bladder
* Uterus			

OBSERVATIONS

* Adrenal Cortex	Subcapsular	Hyperplasia	Mild
* Bone Marrow		Necrosis	Mild
* Brain	Medulla	Demyelination	Focal, Mild
* Heart	Valve	Inflammation	Marked
		Thrombosis	Marked
Note: Septic valvular endocarditis.			
* Kidney	Papilla	Inflammation	Mild
		Nephropathy	Minimal
* Liver		Vacuolization Cytoplasmic	Minimal
* Lymph Node, Mesenteric		Atrophy	Minimal
* Ovary	Follicle	Cyst	Minimal
* Spleen	Lymph Follic	Atrophy	Mild
		Hematopoietic Cell Proliferation	Moderate
* Thymus		Atrophy	Marked

PRIMARY CAUSE OF DEATH

- Heart Valve Thrombosis

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99023-04
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: beta-Myrcene
CAS Number: 123-35-3

Date Report Requested: 10/16/2014
Time Report Requested: 05:39:05
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 295

TRT#: 4

SEX: Female

DAY ON TEST: 727

DOSE: 0.25 G/KG

DISP: Terminal Sacrifice

HISTO: 0401165

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Bone Marrow	* Brain
* Clitoral Gland	* Esophagus	* Eye	* Gallbladder
* Harderian Gland	* Heart	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Lung	* Lymph Node, Mandibular	* Lymph Node, Mesenteric
* Mammary Gland	* Nose	* Pancreas	* Pituitary Gland
* Salivary Glands	* Skin	* Stomach, Forestomach	* Stomach, Glandular
* Thymus	* Thyroid Gland	* Trachea	* Urinary Bladder

MISSING

* Parathyroid Gland

OBSERVATIONS

* Adrenal Cortex	Subcapsular	Hyperplasia	Moderate
* Kidney		Nephropathy	Minimal
* Liver		Fatty Change	Mild
		Hepatocellular Adenoma	
		Inflammation	Chronic Active, Minimal
		Mixed Cell Focus	
[Hepatocellular Adenoma TGLS = 1-10]			
Mesentery	Fat	Necrosis	Mild
[Necrosis TGLS = 2-11]			
* Ovary		Atrophy	Moderate
* Parathyroid GI			
Note: Parathyroid glands were not present in block or wet tissues.			
* Spleen	Lymph Follic	Atrophy	Minimal
		Hematopoietic Cell Proliferation	Mild
		Pigmentation	Hemosiderin, Mild
* Uterus	Endometrium	Hyperplasia	Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99023-04
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: beta-Myrcene
CAS Number: 123-35-3

Date Report Requested: 10/16/2014
Time Report Requested: 05:39:05
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 296

TRT#: 4

SEX: Female

DAY ON TEST: 728

DOSE: 0.25 G/KG

DISP: Terminal Sacrifice

HISTO: 0401166

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Brain	* Clitoral Gland
* Esophagus	* Eye	* Gallbladder	* Harderian Gland
* Heart	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Lung	* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Mammary Gland
* Nose	* Pancreas	* Parathyroid Gland	* Pituitary Gland
* Salivary Glands	* Skin	* Stomach, Forestomach	* Stomach, Glandular
* Thymus	* Thyroid Gland	* Trachea	* Urinary Bladder

OBSERVATIONS

* Adrenal Cortex	Subcapsular	Hyperplasia	Moderate
* Bone Marrow		Myelofibrosis	Mild
* Kidney		Mineralization	Minimal
		Nephropathy	Minimal
* Liver		Inflammation	Chronic Active, Minimal
* Ovary		Atrophy	Marked
		Cystadenoma	
[Cystadenoma TGLS = 3-7]			
* Spleen		Hematopoietic Cell Proliferation	Mild
Tooth		Dysplasia	
* Uterus		Hemangiosarcoma	
	Endometrium	Hyperplasia	Marked
[Hemangiosarcoma TGLS = 2-10]			
[Hyperplasia TGLS = 1-7]			

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99023-04
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: beta-Myrcene
CAS Number: 123-35-3

Date Report Requested: 10/16/2014
Time Report Requested: 05:39:05
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 297

TRT#: 4

SEX: Female

DAY ON TEST: 727

DOSE: 0.25 G/KG

DISP: Terminal Sacrifice

HISTO: 0401167

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Bone Marrow	* Brain
* Clitoral Gland	* Esophagus	* Eye	* Gallbladder
* Harderian Gland	* Heart	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Lung	* Lymph Node, Mandibular	* Lymph Node, Mesenteric
* Mammary Gland	* Nose	* Pancreas	* Parathyroid Gland
* Pituitary Gland	* Salivary Glands	* Skin	* Stomach, Forestomach
* Stomach, Glandular	* Thymus	* Thyroid Gland	* Trachea
* Urinary Bladder	* Uterus		

OBSERVATIONS

* Adrenal Cortex	Subcapsular	Hyperplasia	Moderate
* Kidney		Nephropathy	Minimal
* Liver		Fatty Change	Minimal
		Inflammation	Chronic Active, Minimal
		Mixed Cell Focus	
* Ovary		Atrophy	Marked
	Germinal Epith	Cyst	Minimal
[Cyst TGLS = 1-7]			
* Spleen		Hematopoietic Cell Proliferation	Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99023-04
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: beta-Myrcene
CAS Number: 123-35-3

Date Report Requested: 10/16/2014
Time Report Requested: 05:39:05
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 298

TRT#: 4

SEX: Female

DAY ON TEST: 727

DOSE: 0.25 G/KG

DISP: Terminal Sacrifice

HISTO: 0401168

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Bone Marrow	* Brain
* Clitoral Gland	* Esophagus	* Eye	* Gallbladder
* Harderian Gland	* Heart	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Kidney	* Lung	* Lymph Node, Mandibular
* Lymph Node, Mesenteric	* Mammary Gland	* Nose	* Pancreas
* Parathyroid Gland	* Pituitary Gland	* Salivary Glands	* Skin
* Stomach, Forestomach	* Stomach, Glandular	* Thymus	* Thyroid Gland
* Trachea	* Urinary Bladder		

OBSERVATIONS

* Adrenal Cortex	Subcapsular	Hyperplasia	Moderate
* Liver		Infiltration Cellular	Lymphocyte, Moderate
		Inflammation	Chronic Active, Mild
* Ovary		Atrophy	Mild
* Spleen		Hematopoietic Cell Proliferation	Minimal
		Hyperplasia	Lymphoid, Moderate
* Uterus	Endometrium	Hyperplasia	Marked

[Hyperplasia TGLS = 1-7]

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99023-04
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: beta-Myrcene
CAS Number: 123-35-3

Date Report Requested: 10/16/2014
Time Report Requested: 05:39:05
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 299

TRT#: 4

SEX: Female

DAY ON TEST: 728

DOSE: 0.25 G/KG

DISP: Terminal Sacrifice

HISTO: 0401169

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Brain	* Clitoral Gland
* Esophagus	* Eye	* Gallbladder	* Harderian Gland
* Heart	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Lung	* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Mammary Gland
* Nose	* Pancreas	* Parathyroid Gland	* Pituitary Gland
* Salivary Glands	* Skin	* Stomach, Forestomach	* Stomach, Glandular
* Thymus	* Thyroid Gland	* Trachea	* Urinary Bladder

OBSERVATIONS

* Adrenal Cortex	Subcapsular	Hyperplasia	Moderate
* Bone Marrow		Myelofibrosis	Minimal
* Kidney		Nephropathy	Minimal
* Liver		Fatty Change	Mild
		Hepatocellular Adenoma	
		Hepatocellular Carcinoma	
		Inflammation	Chronic Active, Minimal
		[Hepatocellular Adenoma TGLS = 3-11]	
		[Hepatocellular Carcinoma TGLS = 2-10]	
* Ovary		Angiectasis	Mild
		Atrophy	Moderate
* Spleen		Hematopoietic Cell Proliferation	Moderate
* Uterus	Endometrium	Hyperplasia	Marked
		[Hyperplasia TGLS = 1-7]	

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99023-04
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: beta-Myrcene
CAS Number: 123-35-3

Date Report Requested: 10/16/2014
Time Report Requested: 05:39:05
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 300	TRT#: 4	SEX: Female	DAY ON TEST: 727
	DOSE: 0.25 G/KG	DISP: Terminal Sacrifice	HISTO: 0401170

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Bone Marrow	* Brain
* Clitoral Gland	* Esophagus	* Eye	* Gallbladder
* Harderian Gland	* Heart	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Kidney	* Lung	* Lymph Node, Mandibular
* Lymph Node, Mesenteric	* Mammary Gland	* Nose	* Pancreas
* Parathyroid Gland	* Pituitary Gland	* Salivary Glands	* Skin
* Stomach, Forestomach	* Stomach, Glandular	* Thymus	* Thyroid Gland
* Trachea	* Urinary Bladder		

OBSERVATIONS

* Adrenal Cortex	Subcapsular	Hyperplasia	Moderate
* Liver		Eosinophilic Focus	
		Inflammation	Chronic Active, Minimal
* Ovary		Atrophy	Moderate
* Spleen		Hematopoietic Cell Proliferation	Minimal
		Pigmentation	Hemosiderin, Minimal
* Uterus	Endometrium	Hyperplasia	Marked

[Hyperplasia TGLS = 1-7]

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99023-04
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: beta-Myrcene
CAS Number: 123-35-3

Date Report Requested: 10/16/2014
Time Report Requested: 05:39:05
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 301

TRT#: 6

SEX: Female

DAY ON TEST: 667

DOSE: 0.5 G/KG

DISP: Moribund Sacrifice

HISTO: 0401171

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Clitoral Gland	* Esophagus
* Eye	* Gallbladder	* Harderian Gland	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Mammary Gland	* Parathyroid Gland
* Pituitary Gland	* Salivary Glands	* Stomach, Glandular	* Thyroid Gland
* Trachea	* Urinary Bladder		

MISSING

* Thymus

OBSERVATIONS

* Adrenal Cortex	Subcapsular	Hyperplasia	Moderate
* Bone Marrow		Histiocytic Sarcoma	
* Brain	Cerebellum	Necrosis	Mild
	Hippocampus	Necrosis	Moderate
	[Necrosis TGLS = 3-10]		
	[Necrosis TGLS = 4-11]		
* Clitoral GI			
	Note: One clitoral gland was missing from the block and wet tissues.		
* Heart		Mineralization	Minimal
	Atrium	Thrombosis	Minimal
* Kidney		Infarct	Mild
		Mineralization	Minimal
		Nephropathy	Moderate
* Liver		Hematopoietic Cell Proliferation	Mild
		Histiocytic Sarcoma	
	[Histiocytic Sarcoma TGLS = 2 - 3+4+5]		
* Lung		Histiocytic Sarcoma	
* Lymph Node, Mandibular		Atrophy	Minimal
* Lymph Node, Mesenteric		Histiocytic Sarcoma	
Mesentery		Histiocytic Sarcoma	
* Nose	Olfactory Epi	Degeneration	Minimal

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99023-04
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: beta-Myrcene
CAS Number: 123-35-3

Date Report Requested: 10/16/2014
Time Report Requested: 05:39:05
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 301	TRT#: 6	SEX: Female	DAY ON TEST: 667
	DOSE: 0.5 G/KG	DISP: Moribund Sacrifice	HISTO: 0401171

ORGAN AND ACCOUNTABLE SITE STATUS

* Ovary		Atrophy	Marked
Oviduct		Histiocytic Sarcoma	
* Pancreas		Histiocytic Sarcoma	
* Skin		Histiocytic Sarcoma	
* Spleen		Hematopoietic Cell Proliferation	Marked
		Histiocytic Sarcoma	
[Histiocytic Sarcoma TGLS = 1-4]			
* Stomach, Forestomach	Epithelium	Hyperplasia	Mild
		Ulcer	Mild
[Hyperplasia TGLS = 5 - 5+12]			
Tooth		Dysplasia	
* Uterus		Histiocytic Sarcoma	

PRIMARY CAUSE OF DEATH - Liver Histiocytic Sarcoma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99023-04
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: beta-Myrcene
CAS Number: 123-35-3

Date Report Requested: 10/16/2014
Time Report Requested: 05:39:05
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 302

TRT#: 6

SEX: Female

DAY ON TEST: 727

DOSE: 0.5 G/KG

DISP: Terminal Sacrifice

HISTO: 0401172

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Bone Marrow	* Brain
* Clitoral Gland	* Esophagus	* Eye	* Gallbladder
* Harderian Gland	* Heart	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Lung	* Lymph Node, Mandibular	* Lymph Node, Mesenteric
* Mammary Gland	* Nose	* Pancreas	* Parathyroid Gland
* Pituitary Gland	* Salivary Glands	* Skin	* Stomach, Glandular
* Thymus	* Trachea	* Urinary Bladder	

OBSERVATIONS

* Adrenal Cortex	Subcapsular	Hyperplasia	Moderate
* Kidney		Nephropathy	Minimal
* Liver		Eosinophilic Focus	
		Inflammation	Chronic Active, Minimal
* Ovary		Atrophy	Marked
* Spleen		Hematopoietic Cell Proliferation	Minimal
* Stomach, Forestomach	Epithelium	Hyperplasia	Minimal
* Thyroid Gland	Follicular Cel	Hyperplasia	Minimal
* Uterus	Endometrium	Hyperplasia	Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99023-04
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: beta-Myrcene
CAS Number: 123-35-3

Date Report Requested: 10/16/2014
Time Report Requested: 05:39:05
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 303

TRT#: 6

SEX: Female

DAY ON TEST: 729

DOSE: 0.5 G/KG

DISP: Terminal Sacrifice

HISTO: 0401173

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Bone Marrow	* Brain
* Clitoral Gland	* Esophagus	* Eye	* Gallbladder
* Heart	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Mammary Gland	* Nose
* Pancreas	* Parathyroid Gland	* Pituitary Gland	* Salivary Glands
* Skin	* Stomach, Forestomach	* Stomach, Glandular	* Thymus
* Thyroid Gland	* Trachea	* Urinary Bladder	

OBSERVATIONS

* Adrenal Cortex	Subcapsular	Hyperplasia	Moderate
* Harderian Gland		Adenoma	
[Adenoma TGLS = 1-9]			
* Kidney		Mineralization	Minimal
* Liver		Fatty Change	Minimal
		Inflammation	Chronic Active, Minimal
* Lung		Alveolar/Bronchiolar Adenoma	
[Alveolar/Bronchiolar Adenoma TGLS = 3-10]			
* Ovary		Atrophy	Moderate
* Spleen		Pigmentation	Hemosiderin, Minimal
Tooth		Dysplasia	
* Uterus	Endometrium	Hyperplasia	Moderate
[Hyperplasia TGLS = 2-7]			

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99023-04
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: beta-Myrcene
CAS Number: 123-35-3

Date Report Requested: 10/16/2014
Time Report Requested: 05:39:05
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 304

TRT#: 6

SEX: Female

DAY ON TEST: 729

DOSE: 0.5 G/KG

DISP: Terminal Sacrifice

HISTO: 0401174

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Brain	* Clitoral Gland
* Esophagus	* Eye	* Gallbladder	* Harderian Gland
* Heart	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Islets, Pancreatic	* Lymph Node, Mandibular
* Lymph Node, Mesenteric	* Mammary Gland	* Nose	* Parathyroid Gland
* Pituitary Gland	* Salivary Glands	* Skin	* Stomach, Glandular
* Thyroid Gland	* Trachea	* Urinary Bladder	

OBSERVATIONS

* Adrenal Cortex	Subcapsular	Hyperplasia	Moderate
* Bone Marrow		Myelofibrosis	Minimal
Ear		Necrosis	Moderate
[Necrosis TGLS = 1-10]			
* Intestine Small, Jejunum	Peyers Patch	Hyperplasia	Lymphoid, Mild
* Kidney		Nephropathy	Minimal
* Liver		Basophilic Focus	
		Fatty Change	Minimal
		Inflammation	Chronic Active, Mild
		Pigmentation	Hemosiderin, Minimal
		Tension Lipidosis	Minimal
* Lung		Alveolar/Bronchiolar Adenoma	
	Alveolar Epith	Hyperplasia	Mild
* Ovary		Atrophy	Marked
Note: TGL-2 had no corresponding microscopic lesion; it may have been a bursal cyst that burst at trim.			
* Pancreas		Inflammation	Granulomatous, Mild
* Spleen		Hematopoietic Cell Proliferation	Minimal
* Stomach, Forestomach	Epithelium	Hyperplasia	Moderate
[Hyperplasia TGLS = 3-10]			
* Thymus		Atrophy	Mild
* Uterus	Endometrium	Hyperplasia	Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99023-04
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: beta-Myrcene
CAS Number: 123-35-3

Date Report Requested: 10/16/2014
Time Report Requested: 05:39:05
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 305

TRT#: 6

SEX: Female

DAY ON TEST: 394

DOSE: 0.5 G/KG

DISP: Moribund Sacrifice

HISTO: 0401175

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Bone Marrow	* Brain
* Clitoral Gland	* Eye	* Gallbladder	* Harderian Gland
* Heart	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Kidney	* Lung	* Lymph Node, Mesenteric	* Mammary Gland
* Nose	* Ovary	* Pancreas	* Parathyroid Gland
* Salivary Glands	* Stomach, Forestomach	* Stomach, Glandular	* Thyroid Gland
* Trachea	* Urinary Bladder	* Uterus	

OBSERVATIONS

* Adrenal Cortex	Subcapsular	Hyperplasia	Moderate
* Esophagus		Inflammation	Mild
* Liver		Inflammation	Chronic Active, Minimal
Lymph Node	Inguinal	Lymphoma Malignant	
* Lymph Node, Mandibular		Lymphoma Malignant	
* Pituitary Gland	Pars Intermed	Hyperplasia	Mild
* Skin		Lymphoma Malignant	
		Ulcer	Marked
[Lymphoma Malignant TGLS = 1-10]			
[Ulcer TGLS = 1-10]			
* Spleen		Hematopoietic Cell Proliferation	Marked
* Thymus		Atrophy	Mild

PRIMARY CAUSE OF DEATH

- Skin Lymphoma Malignant

Animal Note: Toluidine blue stain, performed upon slides 08 and 10, ruled out a mast cell tum or.

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99023-04
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: beta-Myrcene
CAS Number: 123-35-3

Date Report Requested: 10/16/2014
Time Report Requested: 05:39:05
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 306

TRT#: 6

SEX: Female

DAY ON TEST: 727

DOSE: 0.5 G/KG

DISP: Terminal Sacrifice

HISTO: 0401176

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Brain	* Clitoral Gland
* Esophagus	* Gallbladder	* Heart	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Lymph Node, Mesenteric	* Mammary Gland
* Nose	* Pancreas	* Parathyroid Gland	* Pituitary Gland
* Salivary Glands	* Skin	* Stomach, Forestomach	* Stomach, Glandular
* Thymus	* Thyroid Gland	* Trachea	* Urinary Bladder

OBSERVATIONS

* Adrenal Cortex	Subcapsular	Hyperplasia	Moderate
* Bone Marrow		Myelofibrosis	Mild
* Eye		Atrophy	Mild
	Lens	Cataract	Minimal
	Retina	Retinal Detachment	Mild
Note: Eye changes are secondary to the Harderian gland tumor. [Atrophy TGLS = 3-9]			
* Harderian Gland		Carcinoma	
[Carcinoma TGLS = 2-9]			
* Kidney		Nephropathy	Minimal
* Liver		Inflammation	Chronic Active, Minimal
* Lung		Alveolar/Bronchiolar Adenoma	
* Lymph Node, Mandibular		Hyperplasia	Lymphoid, Mild
* Ovary		Atrophy	Moderate
	Follicle	Cyst	Minimal
* Spleen		Hematopoietic Cell Proliferation	Minimal
* Uterus		Angiectasis	Mild
		Thrombosis	Mild
[Angiectasis TGLS = 1-7]			

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99023-04
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: beta-Myrcene
CAS Number: 123-35-3

Date Report Requested: 10/16/2014
Time Report Requested: 05:39:05
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 307

TRT#: 6

SEX: Female

DAY ON TEST: 727

DOSE: 0.5 G/KG

DISP: Terminal Sacrifice

HISTO: 0401177

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Bone Marrow	* Brain
* Clitoral Gland	* Esophagus	* Eye	* Gallbladder
* Harderian Gland	* Heart	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Lung	* Lymph Node, Mandibular	* Mammary Gland
* Nose	* Pancreas	* Parathyroid Gland	* Pituitary Gland
* Salivary Glands	* Skin	* Stomach, Forestomach	* Stomach, Glandular
* Thymus	* Thyroid Gland	* Trachea	* Urinary Bladder

MISSING

* Lymph Node, Mesenteric

OBSERVATIONS

* Adrenal Cortex	Subcapsular	Hyperplasia	Mild
* Kidney		Infiltration Cellular	Lymphocyte, Mild
* Liver		Fatty Change	Minimal
		Infiltration Cellular	Lymphocyte, Minimal
		Inflammation	Chronic Active, Minimal
		Mixed Cell Focus	
* Ovary		Atrophy	Marked
	Germinal Epith	Cyst	Multiple, Mild
	[Cyst TGLS = 2-7]		
* Spleen	Lymph Follic	Hyperplasia	Mild
		Pigmentation	Hemosiderin, Minimal
* Uterus	Endometrium	Hyperplasia	Moderate
	[Hyperplasia TGLS = 1-7]		

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99023-04
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: beta-Myrcene
CAS Number: 123-35-3

Date Report Requested: 10/16/2014
Time Report Requested: 05:39:05
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 308

TRT#: 6

SEX: Female

DAY ON TEST: 727

DOSE: 0.5 G/KG

DISP: Terminal Sacrifice

HISTO: 0401178

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Bone Marrow	* Brain
* Clitoral Gland	* Esophagus	* Gallbladder	* Heart
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Kidney
* Lung	* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Mammary Gland
* Nose	* Pancreas	* Parathyroid Gland	* Pituitary Gland
* Salivary Glands	* Skin	* Stomach, Forestomach	* Stomach, Glandular
* Thymus	* Thyroid Gland	* Trachea	* Urinary Bladder

OBSERVATIONS

* Adrenal Cortex	Subcapsular	Hyperplasia	Moderate
* Eye	Cornea	Inflammation	Minimal
Note: Eye changes are secondary to proptosis due to harderian tumor.			
* Harderian Gland		Adenoma	
[Adenoma TGLS = 1-9]			
* Liver		Eosinophilic Focus	
		Inflammation	Chronic Active, Minimal
		Mixed Cell Focus	
* Ovary		Atrophy	Marked
* Spleen		Hematopoietic Cell Proliferation	Minimal
* Uterus	Endometrium	Hyperplasia	Moderate
[Hyperplasia TGLS = 2-7]			

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99023-04
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: beta-Myrcene
CAS Number: 123-35-3

Date Report Requested: 10/16/2014
Time Report Requested: 05:39:05
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 309

TRT#: 6

SEX: Female

DAY ON TEST: 727

DOSE: 0.5 G/KG

DISP: Terminal Sacrifice

HISTO: 0401179

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Bone Marrow	* Brain
* Clitoral Gland	* Esophagus	* Eye	* Gallbladder
* Harderian Gland	* Heart	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Lung	* Lymph Node, Mandibular	* Lymph Node, Mesenteric
* Mammary Gland	* Nose	* Pancreas	* Parathyroid Gland
* Pituitary Gland	* Salivary Glands	* Skin	* Spleen
* Stomach, Glandular	* Thymus	* Thyroid Gland	* Trachea
* Urinary Bladder			

OBSERVATIONS

* Adrenal Cortex	Subcapsular	Hyperplasia	Moderate
* Kidney		Infiltration Cellular	Lymphocyte, Mild
* Liver		Hepatocellular Adenoma	
		Inflammation	Chronic Active, Minimal
		Tension Lipidosis	Minimal
[Hepatocellular Adenoma TGLS = 1-10]			
* Ovary		Atrophy	Marked
		Luteoma	
* Stomach, Forestomach	Epithelium	Hyperplasia	Mild
* Uterus	Endometrium	Hyperplasia	Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99023-04
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: beta-Myrcene
CAS Number: 123-35-3

Date Report Requested: 10/16/2014
Time Report Requested: 05:39:05
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 310

TRT#: 6

SEX: Female

DAY ON TEST: 729

DOSE: 0.5 G/KG

DISP: Terminal Sacrifice

HISTO: 0401180

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Bone Marrow	* Brain
* Clitoral Gland	* Esophagus	* Eye	* Gallbladder
* Harderian Gland	* Heart	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Kidney	* Lung	* Lymph Node, Mandibular
* Lymph Node, Mesenteric	* Mammary Gland	* Nose	* Pancreas
* Pituitary Gland	* Salivary Glands	* Skin	* Spleen
* Stomach, Forestomach	* Stomach, Glandular	* Thymus	* Thyroid Gland
* Trachea	* Urinary Bladder		

MISSING

* Parathyroid Gland

OBSERVATIONS

* Adrenal Cortex	Subcapsular	Hyperplasia	Moderate
* Liver		Fatty Change	Minimal
		Inflammation	Chronic Active, Minimal
* Ovary		Atrophy	Mild
	Germinal Epith	Cyst	Moderate
[Cyst TGLS = 2-7]			
* Uterus	Endometrium	Hyperplasia	Mild
[Hyperplasia TGLS = 1-7]			

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99023-04
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: beta-Myrcene
CAS Number: 123-35-3

Date Report Requested: 10/16/2014
Time Report Requested: 05:39:05
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 311

TRT#: 6

SEX: Female

DAY ON TEST: 728

DOSE: 0.5 G/KG

DISP: Terminal Sacrifice

HISTO: 0401181

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Bone Marrow	* Brain
* Clitoral Gland	* Esophagus	* Eye	* Gallbladder
* Harderian Gland	* Heart	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Kidney	* Lymph Node, Mandibular	* Lymph Node, Mesenteric
* Mammary Gland	* Nose	* Pancreas	* Parathyroid Gland
* Pituitary Gland	* Salivary Glands	* Skin	* Stomach, Forestomach
* Stomach, Glandular	* Thymus	* Thyroid Gland	* Trachea
* Urinary Bladder			

OBSERVATIONS

* Adrenal Cortex	Subcapsular	Hyperplasia	Moderate
* Liver		Fatty Change	Minimal
		Inflammation	Chronic Active, Minimal
* Lung	Alveolar Epith	Hyperplasia	Moderate
* Ovary		Atrophy	Marked
* Spleen		Pigmentation	Hemosiderin, Minimal
* Uterus	Endometrium	Hyperplasia	Mild

[Hyperplasia TGLS = 1-7]

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99023-04
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: beta-Myrcene
CAS Number: 123-35-3

Date Report Requested: 10/16/2014
Time Report Requested: 05:39:05
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 312

TRT#: 6

SEX: Female

DAY ON TEST: 727

DOSE: 0.5 G/KG

DISP: Terminal Sacrifice

HISTO: 0401182

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Bone Marrow	* Brain
* Clitoral Gland	* Esophagus	* Eye	* Gallbladder
* Harderian Gland	* Heart	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Lung	* Lymph Node, Mandibular	* Lymph Node, Mesenteric
* Mammary Gland	* Nose	* Pancreas	* Parathyroid Gland
* Pituitary Gland	* Salivary Glands	* Spleen	* Stomach, Forestomach
* Stomach, Glandular	* Thyroid Gland	* Trachea	* Urinary Bladder

OBSERVATIONS

* Adrenal Cortex	Subcapsular	Hyperplasia	Moderate
* Kidney		Nephropathy	Minimal
* Liver		Inflammation	Chronic Active, Minimal
		Tension Lipidosis	Minimal
* Ovary		Atrophy	Marked
* Skin	Sebaceous GI	Hyperplasia	Focal, Moderate
[Hyperplasia TGLS = 1-10]			
* Thymus		Atrophy	Minimal
* Uterus	Endometrium	Hyperplasia	Moderate
[Hyperplasia TGLS = 2-7]			

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99023-04
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: beta-Myrcene
CAS Number: 123-35-3

Date Report Requested: 10/16/2014
Time Report Requested: 05:39:05
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 313

TRT#: 6

SEX: Female

DAY ON TEST: 727

DOSE: 0.5 G/KG

DISP: Terminal Sacrifice

HISTO: 0401183

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Bone Marrow	* Brain
* Clitoral Gland	* Esophagus	* Eye	* Gallbladder
* Harderian Gland	* Heart	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Mammary Gland
* Pancreas	* Parathyroid Gland	* Pituitary Gland	* Salivary Glands
* Skin	* Spleen	* Stomach, Forestomach	* Stomach, Glandular
* Thymus	* Thyroid Gland	* Trachea	* Urinary Bladder

OBSERVATIONS

* Adrenal Cortex	Subcapsular	Hyperplasia	Marked
* Kidney		Nephropathy	Minimal
* Liver		Basophilic Focus	
		Inflammation	Chronic Active, Minimal
* Lung		Alveolar/Bronchiolar Adenoma	
	[Alveolar/Bronchiolar Adenoma TGLS = 1-10]		
* Nose	Olfactory Epi	Degeneration	Minimal
* Ovary		Atrophy	Marked
* Uterus	Endometrium	Hyperplasia	Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99023-04
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: beta-Myrcene
CAS Number: 123-35-3

Date Report Requested: 10/16/2014
Time Report Requested: 05:39:05
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 314

TRT#: 6

SEX: Female

DAY ON TEST: 727

DOSE: 0.5 G/KG

DISP: Terminal Sacrifice

HISTO: 0401184

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Bone Marrow	* Brain
* Clitoral Gland	* Esophagus	* Eye	* Gallbladder
* Heart	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Lung	* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Mammary Gland
* Nose	* Parathyroid Gland	* Pituitary Gland	* Salivary Glands
* Skin	* Spleen	* Stomach, Forestomach	* Stomach, Glandular
* Thymus	* Thyroid Gland	* Trachea	* Urinary Bladder
* Uterus			

OBSERVATIONS

* Adrenal Cortex	Subcapsular	Hyperplasia	Moderate
* Harderian Gland		Adenoma	
[Adenoma TGLS = 2-9]			
* Kidney		Nephropathy	Minimal
* Liver		Basophilic Focus	
		Inflammation	Chronic Active, Minimal
* Ovary		Atrophy	Marked
* Pancreas		Atrophy	Marked

Note: TGL-1 (cysts) is due to atrophy of the acinar tissue making the ducts prominent.
[Atrophy TGLS = 1-10]

PRIMARY CAUSE OF DEATH

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* PROTOCOL REQUIRED TISSUE

Experiment Number: 99023-04
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: beta-Myrcene
CAS Number: 123-35-3

Date Report Requested: 10/16/2014
Time Report Requested: 05:39:05
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 315

TRT#: 6

SEX: Female

DAY ON TEST: 615

DOSE: 0.5 G/KG

DISP: Moribund Sacrifice

HISTO: 0401185

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Brain	* Clitoral Gland
* Esophagus	* Eye	* Gallbladder	* Harderian Gland
* Heart	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Kidney	* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Mammary Gland
* Nose	* Pancreas	* Parathyroid Gland	* Pituitary Gland
* Salivary Glands	* Stomach, Forestomach	* Stomach, Glandular	* Thyroid Gland
* Trachea	* Urinary Bladder		

OBSERVATIONS

* Adrenal Cortex	Subcapsular	Hyperplasia	Moderate
* Bone Marrow	Myeloid Cell	Hyperplasia	Mild
* Clitoral GI			
Note: One clitoral gland was missing from block and wet tissue.			
* Liver		Inflammation Vacuolization Cytoplasmic	Chronic Active, Minimal Minimal
Note: TGL-7, liver focus, had no corresponding lesion.			
* Lung	Mediastinum	Fibrosarcoma Fibrosarcoma	Metastatic (Skin) Metastatic (Skin)
Note: TGLs 2,3,4,5, and 6 were grossly entered as in organ "thoracic cavity". [Fibrosarcoma TGLS = 9-12] [Fibrosarcoma TGLS = 2,3,4,5,6 - 11+12+13+14+15]			
Lymph Node	Mediastinal	Fibrosarcoma	Metastatic (Skin)
* Mammary GI			
Note: TGL-1 (mass) was recorded as skin after microscopic exam.			
* Ovary		Atrophy	Mild
* Skin	Subcut Tiss	Fibrosarcoma	
[Fibrosarcoma TGLS = 1-10]			
* Spleen		Hematopoietic Cell Proliferation	Moderate
* Thymus		Atrophy	Marked
* Uterus	Endometrium	Hyperplasia	Moderate

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99023-04
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: beta-Myrcene
CAS Number: 123-35-3

Date Report Requested: 10/16/2014
Time Report Requested: 05:39:05
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 315

TRT#: 6

SEX: Female

DAY ON TEST: 615

DOSE: 0.5 G/KG

DISP: Moribund Sacrifice

HISTO: 0401185

ORGAN AND ACCOUNTABLE SITE STATUS

[Hyperplasia TGLS = 8-7]

PRIMARY CAUSE OF DEATH

- Skin Subcut Tiss Fibrosarcoma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99023-04
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: beta-Myrcene
CAS Number: 123-35-3

Date Report Requested: 10/16/2014
Time Report Requested: 05:39:05
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 316

TRT#: 6

SEX: Female

DAY ON TEST: 727

DOSE: 0.5 G/KG

DISP: Terminal Sacrifice

HISTO: 0401186

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Bone Marrow	* Brain
* Clitoral Gland	* Esophagus	* Eye	* Gallbladder
* Harderian Gland	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Islets, Pancreatic	* Lung
* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Mammary Gland	* Nose
* Pancreas	* Pituitary Gland	* Salivary Glands	* Skin
* Stomach, Forestomach	* Stomach, Glandular	* Thymus	* Trachea
* Urinary Bladder	* Uterus		

MISSING

* Parathyroid Gland

OBSERVATIONS

* Adrenal Cortex	Subcapsular	Hyperplasia	Mild
Note: There is a cyst in the adrenal cortex.			
* Heart		Mineralization	Minimal
* Intestine Small, Jejunum	Peyers Patch	Hyperplasia	Lymphoid, Mild
* Kidney		Infiltration Cellular	Lymphocyte, Mild
* Liver		Angiectasis	Moderate
		Fatty Change	Minimal
		Hemangiosarcoma	
		Inflammation	Chronic Active, Minimal
Note: Small hemangiosarcomas are present in B03 (cut edge) and B05.			
Lymph Node	Bronchial	Hyperplasia	Lymphoid, Mild
* Ovary		Atrophy	Moderate
* Spleen		Hyperplasia	Lymphoid, Moderate
* Thyroid Gland	Follicle	Cyst	Minimal
	Follicular Cel	Hyperplasia	Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99023-04
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: beta-Myrcene
CAS Number: 123-35-3

Date Report Requested: 10/16/2014
Time Report Requested: 05:39:05
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 317

TRT#: 6

SEX: Female

DAY ON TEST: 728

DOSE: 0.5 G/KG

DISP: Terminal Sacrifice

HISTO: 0401187

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Bone Marrow	* Brain
* Clitoral Gland	* Esophagus	* Eye	* Gallbladder
* Harderian Gland	* Heart	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Kidney	* Lung	* Lymph Node, Mandibular
* Lymph Node, Mesenteric	* Mammary Gland	* Nose	* Ovary
* Pancreas	* Parathyroid Gland	* Pituitary Gland	* Salivary Glands
* Skin	* Spleen	* Stomach, Glandular	* Thyroid Gland
* Trachea	* Urinary Bladder		

OBSERVATIONS

* Adrenal Cortex	Subcapsular	Hyperplasia	Moderate
* Liver		Fatty Change	Minimal
* Stomach, Forestomach	Epithelium	Hyperplasia	Minimal
* Thymus		Atrophy	Mild
		Hyperplasia	Atypical, Mild
Note: Medullary hyperplasia of thymus.			
* Uterus	Endometrium	Hyperplasia	Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99023-04
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: beta-Myrcene
CAS Number: 123-35-3

Date Report Requested: 10/16/2014
Time Report Requested: 05:39:05
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 318

TRT#: 6

SEX: Female

DAY ON TEST: 728

DOSE: 0.5 G/KG

DISP: Terminal Sacrifice

HISTO: 0401188

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Brain	* Clitoral Gland
* Esophagus	* Eye	* Gallbladder	* Harderian Gland
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Lung
* Lymph Node, Mesenteric	* Mammary Gland	* Nose	* Pancreas
* Parathyroid Gland	* Pituitary Gland	* Salivary Glands	* Skin
* Spleen	* Stomach, Forestomach	* Stomach, Glandular	* Thymus
* Thyroid Gland	* Trachea	* Urinary Bladder	* Uterus

INSUFFICIENT TISSUE

* Bone Marrow

OBSERVATIONS

* Adrenal Cortex	Subcapsular	Hyperplasia	Moderate
		Hypertrophy	Minimal
* Heart		Cardiomyopathy	Minimal
* Kidney	Renal Tubule	Hyperplasia	Minimal
* Liver		Eosinophilic Focus	
		Inflammation	Chronic Active, Minimal
		Mixed Cell Focus	
		Tension Lipidosis	Minimal
* Lymph Node, Mandibular		Atrophy	Minimal
* Ovary		Atrophy	Moderate
	Follicle	Cyst	Minimal
Tooth		Dysplasia	

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99023-04
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: beta-Myrcene
CAS Number: 123-35-3

Date Report Requested: 10/16/2014
Time Report Requested: 05:39:05
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 319

TRT#: 6

SEX: Female

DAY ON TEST: 728

DOSE: 0.5 G/KG

DISP: Terminal Sacrifice

HISTO: 0401189

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Bone Marrow	* Brain
* Clitoral Gland	* Esophagus	* Eye	* Gallbladder
* Harderian Gland	* Heart	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Kidney	* Lung	* Lymph Node, Mandibular
* Mammary Gland	* Nose	* Pancreas	* Parathyroid Gland
* Pituitary Gland	* Salivary Glands	* Skin	* Spleen
* Stomach, Glandular	* Thyroid Gland	* Trachea	* Urinary Bladder

OBSERVATIONS

* Adrenal Cortex	Subcapsular	Hyperplasia	Moderate
* Liver		Inflammation	Chronic Active, Minimal
		Tension Lipidosis	Minimal
* Lymph Node, Mesenteric		Atrophy	Minimal
* Ovary		Atrophy	Moderate
* Stomach, Forestomach	Epithelium	Hyperplasia	Mild
* Thymus		Atrophy	Minimal
* Uterus	Endometrium	Hyperplasia	Moderate

[Hyperplasia TGLS = 1-7]

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99023-04
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: beta-Myrcene
CAS Number: 123-35-3

Date Report Requested: 10/16/2014
Time Report Requested: 05:39:05
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 320

TRT#: 6

SEX: Female

DAY ON TEST: 729

DOSE: 0.5 G/KG

DISP: Terminal Sacrifice

HISTO: 0401190

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Bone Marrow	* Brain
* Clitoral Gland	* Esophagus	* Eye	* Gallbladder
* Harderian Gland	* Heart	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Kidney	* Lung	* Lymph Node, Mandibular
* Lymph Node, Mesenteric	* Mammary Gland	* Nose	* Pancreas
* Parathyroid Gland	* Pituitary Gland	* Salivary Glands	* Skin
* Stomach, Forestomach	* Stomach, Glandular	* Thymus	* Thyroid Gland
* Trachea	* Urinary Bladder		

OBSERVATIONS

* Adrenal Cortex	Subcapsular	Hyperplasia	Mild
* Liver		Basophilic Focus	
		Fatty Change	Mild
	Hepatocyte	Hepatocellular Adenoma	
		Hypertrophy	Minimal
		Mixed Cell Focus	
<p>Note: Adenoma in B10 is also in B03. [Hepatocellular Adenoma TGLS = 1-10]</p>			
* Ovary		Atrophy	Marked
		Hyperplasia	Tubular, Mild
* Spleen		Hematopoietic Cell Proliferation	Mild
* Uterus	Endometrium	Hyperplasia	Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99023-04
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: beta-Myrcene
CAS Number: 123-35-3

Date Report Requested: 10/16/2014
Time Report Requested: 05:39:05
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 321

TRT#: 6

SEX: Female

DAY ON TEST: 404

DOSE: 0.5 G/KG

DISP: Natural Death

HISTO: 0401191

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Brain	* Clitoral Gland
* Esophagus	* Eye	* Gallbladder	* Harderian Gland
* Heart	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Kidney	* Lung	* Mammary Gland	* Pancreas
* Parathyroid Gland	* Pituitary Gland	* Salivary Glands	* Skin
* Stomach, Glandular	* Thyroid Gland	* Trachea	* Urinary Bladder
* Uterus			

OBSERVATIONS

* Adrenal Cortex	Subcapsular	Hyperplasia	Mild
* Bone Marrow		Atrophy	Moderate
* Liver		Vacuolization Cytoplasmic	Marked
* Lymph Node, Mandibular		Atrophy	Moderate
* Lymph Node, Mesenteric		Atrophy	Mild
* Nose	Olfactory Epi	Degeneration	Minimal
* Ovary		Atrophy	Minimal
* Spleen	Lymph Follic	Atrophy	Marked
		Pigmentation	Hemosiderin, Mild
* Stomach, Forestomach	Epithelium	Hyperplasia	Mild
Note: Stomach Forestomach epithelial hyperplasia with marked hyperkeratosis.			
* Thymus		Atrophy	Marked

PRIMARY CAUSE OF DEATH

- Liver Vacuolization Cytoplasmic

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99023-04
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: beta-Myrcene
CAS Number: 123-35-3

Date Report Requested: 10/16/2014
Time Report Requested: 05:39:05
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 322

TRT#: 6

SEX: Female

DAY ON TEST: 549

DOSE: 0.5 G/KG

DISP: Dosing Accident

HISTO: 0401192

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Brain	* Clitoral Gland
* Eye	* Gallbladder	* Harderian Gland	* Heart
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Kidney
* Mammary Gland	* Nose	* Pancreas	* Parathyroid Gland
* Pituitary Gland	* Salivary Glands	* Skin	* Stomach, Glandular
* Thyroid Gland	* Trachea	* Urinary Bladder	* Uterus

INSUFFICIENT TISSUE

* Thymus

OBSERVATIONS

* Adrenal Cortex	Subcapsular	Hyperplasia	Mild
* Bone Marrow		Atrophy	Moderate
* Esophagus		Inflammation	Moderate
		Necrosis	Marked
Note: Esophageal lesions are in thoracic portion (i.e. between lungs).			
* Liver		Tension Lipidosis	Mild
		Vacuolization Cytoplasmic	Marked
	[Vacuolization Cytoplasmic TGLS = 1 - 3+4+5+10]		
* Lung		Alveolar/Bronchiolar Adenoma	
	[Alveolar/Bronchiolar Adenoma TGLS = 3-11]		
* Lymph Node, Mandibular		Atrophy	Minimal
* Lymph Node, Mesenteric		Atrophy	Mild
* Ovary		Atrophy	Marked
* Spleen	Lymph Follic	Atrophy	Marked
	[Atrophy TGLS = 2-4]		
* Stomach, Forestomach	Epithelium	Hyperplasia	Minimal
		Inflammation	Minimal
		Necrosis	Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99023-04
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: beta-Myrcene
CAS Number: 123-35-3

Date Report Requested: 10/16/2014
Time Report Requested: 05:39:05
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 323

TRT#: 6

SEX: Female

DAY ON TEST: 728

DOSE: 0.5 G/KG

DISP: Terminal Sacrifice

HISTO: 0401193

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Bone Marrow	* Brain
* Clitoral Gland	* Esophagus	* Eye	* Gallbladder
* Heart	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Kidney	* Lung	* Lymph Node, Mesenteric	* Mammary Gland
* Nose	* Pancreas	* Pituitary Gland	* Salivary Glands
* Skin	* Stomach, Forestomach	* Stomach, Glandular	* Thymus
* Thyroid Gland	* Trachea	* Urinary Bladder	

MISSING

* Parathyroid Gland

OBSERVATIONS

* Adrenal Cortex	Subcapsular	Hyperplasia	Moderate
* Harderian Gland		Adenoma	
[Adenoma TGLS = 1-9]			
* Liver		Inflammation	Chronic Active, Minimal
		Tension Lipidosis	Minimal
* Lymph Node, Mandibular		Atrophy	Minimal
* Ovary		Atrophy	Mild
* Spleen		Pigmentation	Hemosiderin, Minimal
* Uterus	Endometrium	Hyperplasia	Mild
[Hyperplasia TGLS = 2-7]			

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99023-04
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: beta-Myrcene
CAS Number: 123-35-3

Date Report Requested: 10/16/2014
Time Report Requested: 05:39:05
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 324

TRT#: 6

SEX: Female

DAY ON TEST: 727

DOSE: 0.5 G/KG

DISP: Terminal Sacrifice

HISTO: 0401194

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Bone Marrow	* Clitoral Gland
* Esophagus	* Eye	* Gallbladder	* Harderian Gland
* Heart	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Kidney	* Lung	* Lymph Node, Mandibular	* Lymph Node, Mesenteric
* Mammary Gland	* Nose	* Pancreas	* Salivary Glands
* Skin	* Spleen	* Stomach, Forestomach	* Stomach, Glandular
* Thymus	* Thyroid Gland	* Trachea	* Urinary Bladder
* Uterus			

MISSING

* Parathyroid Gland

OBSERVATIONS

* Adrenal Cortex	Subcapsular	Hyperplasia	Moderate
* Brain	Vein	Infiltration Cellular	Lymphocyte, Mild
* Liver		Fatty Change	Minimal
		Inflammation	Chronic Active, Minimal
		Tension Lipidosis	Minimal
* Ovary		Atrophy	Marked
* Pituitary Gland	Pars Distalis	Hyperplasia	Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99023-04
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: beta-Myrcene
CAS Number: 123-35-3

Date Report Requested: 10/16/2014
Time Report Requested: 05:39:05
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 325

TRT#: 6

SEX: Female

DAY ON TEST: 728

DOSE: 0.5 G/KG

DISP: Terminal Sacrifice

HISTO: 0401195

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Bone Marrow	* Brain
* Clitoral Gland	* Esophagus	* Eye	* Gallbladder
* Harderian Gland	* Heart	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Kidney	* Lung	* Lymph Node, Mandibular
* Lymph Node, Mesenteric	* Mammary Gland	* Nose	* Pancreas
* Parathyroid Gland	* Pituitary Gland	* Salivary Glands	* Skin
* Spleen	* Stomach, Forestomach	* Stomach, Glandular	* Thymus
* Thyroid Gland	* Trachea	* Urinary Bladder	

OBSERVATIONS

* Adrenal Cortex	Subcapsular	Hyperplasia	Moderate
* Liver		Inflammation	Chronic Active, Minimal
		Tension Lipidosis	Minimal
* Ovary		Atrophy	Moderate
* Uterus	Endometrium	Hyperplasia	Minimal
		Polyp Stromal	

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99023-04
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: beta-Myrcene
CAS Number: 123-35-3

Date Report Requested: 10/16/2014
Time Report Requested: 05:39:05
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 326

TRT#: 6

SEX: Female

DAY ON TEST: 727

DOSE: 0.5 G/KG

DISP: Terminal Sacrifice

HISTO: 0401196

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Bone Marrow	* Brain
* Clitoral Gland	* Esophagus	* Eye	* Gallbladder
* Harderian Gland	* Heart	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Lung	* Lymph Node, Mandibular	* Lymph Node, Mesenteric
* Mammary Gland	* Pancreas	* Parathyroid Gland	* Pituitary Gland
* Salivary Glands	* Skin	* Spleen	* Stomach, Glandular
* Thymus	* Trachea	* Urinary Bladder	* Uterus

OBSERVATIONS

* Adrenal Cortex	Subcapsular	Hyperplasia	Moderate
* Kidney		Nephropathy	Minimal
* Liver		Inflammation	Chronic Active, Minimal
* Nose	Olfactory Epi	Degeneration	Minimal
* Ovary	Follicle	Atrophy	Marked
		Cyst	Moderate
		Inflammation	Minimal
[Cyst TGLS = 1-7]			
* Stomach, Forestomach	Epithelium	Hyperplasia	Minimal
		Inflammation	Minimal
* Thyroid Gland	Follicular Cel	Hyperplasia	Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99023-04
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: beta-Myrcene
CAS Number: 123-35-3

Date Report Requested: 10/16/2014
Time Report Requested: 05:39:05
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 327

TRT#: 6

SEX: Female

DAY ON TEST: 727

DOSE: 0.5 G/KG

DISP: Terminal Sacrifice

HISTO: 0401197

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Bone Marrow	* Brain
* Clitoral Gland	* Esophagus	* Eye	* Gallbladder
* Harderian Gland	* Heart	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Kidney	* Lung	* Lymph Node, Mandibular
* Lymph Node, Mesenteric	* Mammary Gland	* Nose	* Pancreas
* Parathyroid Gland	* Salivary Glands	* Skin	* Stomach, Forestomach
* Stomach, Glandular	* Thymus	* Thyroid Gland	* Trachea
* Urinary Bladder			

OBSERVATIONS

* Adrenal Cortex	Subcapsular	Hyperplasia	Marked
Note: There is a tiny cyst in the adrenal cortex.			
* Liver		Inflammation	Chronic Active, Minimal
* Ovary		Atrophy	Marked
* Pituitary Gland	Pars Distalis	Hyperplasia	Minimal
* Spleen		Hyperplasia	Lymphoid, Mild
* Uterus	Endometrium	Hyperplasia	Moderate
[Hyperplasia TGLS = 1-7]			

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99023-04
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: beta-Myrcene
CAS Number: 123-35-3

Date Report Requested: 10/16/2014
Time Report Requested: 05:39:05
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 328

TRT#: 6

SEX: Female

DAY ON TEST: 471

DOSE: 0.5 G/KG

DISP: Moribund Sacrifice

HISTO: 0401198

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Brain	* Clitoral Gland
* Eye	* Gallbladder	* Harderian Gland	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Mammary Gland	* Nose	* Pancreas	* Parathyroid Gland
* Pituitary Gland	* Salivary Glands	* Skin	* Stomach, Glandular
* Thyroid Gland	* Trachea		

OBSERVATIONS

* Adrenal Cortex	Subcapsular	Hyperplasia	Minimal
Note: One adrenal gland was missing at trim.			
* Bone Marrow		Atrophy	Moderate
* Esophagus		Carcinoma	Metastatic (Uterus)
		Inflammation	Marked
Note: Inflammation with scirrhous reaction secondary to metastases.			
* Heart		Carcinoma	Metastatic (Uterus)
* Intestine Large, Cecum		Edema	Moderate
		Inflammation	Mild
	Epithelium	Metaplasia	Mild
Note: Cecal and colonic changes are suggestive of infarction of the mucosa and subsequent loss of glands.			
* Intestine Large, Colon	Epithelium	Inflammation	Minimal
* Kidney		Carcinoma	Metastatic (Uterus)
		Infarct	Moderate
		Mineralization	Mild
		Nephropathy	Moderate
Note: Metastasis at hilus of left kidney. [Nephropathy TGLS = 2,3 - 4]			
* Liver		Carcinoma	Metastatic (Uterus)
		Fatty Change	Moderate
	Hepatocyte	Hypertrophy	Moderate
		Necrosis	Mild
		Tension Lipidosis	Moderate

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99023-04
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: beta-Myrcene
CAS Number: 123-35-3

Date Report Requested: 10/16/2014
Time Report Requested: 05:39:05
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 328 **TRT#:** 6 **SEX:** Female **DAY ON TEST:** 471
DOSE: 0.5 G/KG **DISP:** Moribund Sacrifice **HISTO:** 0401198

ORGAN AND ACCOUNTABLE SITE STATUS

Note: Metastatic focus is on liver serosa on slide 03. [Vacuolization Cytoplasmic TGLS = 1 - 3+4+5]		Vacuolization Cytoplasmic	Marked
* Lung		Carcinoma	Metastatic (Uterus)
[Carcinoma TGLS = 4-3]			
Lymph Node	Mediastinal	Carcinoma	Metastatic (Uterus)
	Pancreatic	Carcinoma	Metastatic (Uterus)
Note: Pancreatic lymph node on slide 06.			
* Lymph Node, Mandibular		Atrophy	Minimal
* Lymph Node, Mesenteric		Atrophy	Moderate
* Ovary		Carcinoma	Metastatic (Uterus)
* Spleen	Lymph Follic	Atrophy	Marked
		Pigmentation	Hemosiderin, Mild
* Stomach, Forestomach		Carcinoma	Metastatic (Uterus)
	Epithelium	Hyperplasia	Minimal
		Inflammation	Minimal
		Ulcer	Mild
[Hyperplasia TGLS = 5- 5+10]			
* Thymus		Atrophy	Marked
* Urinary Bladder		Carcinoma	Metastatic (Uterus)
* Uterus	Endometrium	Carcinoma	

PRIMARY CAUSE OF DEATH - Uterus Endometrium Carcinoma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99023-04
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: beta-Myrcene
CAS Number: 123-35-3

Date Report Requested: 10/16/2014
Time Report Requested: 05:39:05
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 329

TRT#: 6

SEX: Female

DAY ON TEST: 727

DOSE: 0.5 G/KG

DISP: Terminal Sacrifice

HISTO: 0401199

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Brain	* Clitoral Gland
* Esophagus	* Eye	* Gallbladder	* Harderian Gland
* Heart	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Lung	* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Mammary Gland
* Nose	* Pancreas	* Parathyroid Gland	* Salivary Glands
* Skin	* Stomach, Glandular	* Thymus	* Trachea
* Urinary Bladder			

OBSERVATIONS

* Adrenal Cortex	Subcapsular	Hyperplasia	Moderate
* Bone Marrow		Myelofibrosis	Mild
* Kidney		Mineralization	Minimal
* Liver		Inflammation	Chronic Active, Minimal
* Ovary		Atrophy	Marked
* Pituitary Gland	Pars Distalis	Hyperplasia	Moderate
* Spleen		Hematopoietic Cell Proliferation	Mild
		Hyperplasia	Lymphoid, Minimal
* Stomach, Forestomach	Epithelium	Hyperplasia	Mild
* Thyroid Gland	Follicle	Cyst	Mild
* Uterus	Endometrium	Hyperplasia	Marked

[Hyperplasia TGLS = 1-7]

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99023-04
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: beta-Myrcene
CAS Number: 123-35-3

Date Report Requested: 10/16/2014
Time Report Requested: 05:39:05
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 330

TRT#: 6

SEX: Female

DAY ON TEST: 727

DOSE: 0.5 G/KG

DISP: Terminal Sacrifice

HISTO: 0401200

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Bone Marrow	* Brain
* Clitoral Gland	* Esophagus	* Eye	* Gallbladder
* Heart	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Kidney	* Lung	* Lymph Node, Mandibular	* Lymph Node, Mesenteric
* Mammary Gland	* Nose	* Pancreas	* Parathyroid Gland
* Pituitary Gland	* Salivary Glands	* Skin	* Stomach, Glandular
* Thymus	* Thyroid Gland	* Trachea	* Urinary Bladder

OBSERVATIONS

* Adrenal Cortex	Subcapsular	Hyperplasia	Moderate
* Harderian Gland		Hyperplasia	Minimal
* Liver		Inflammation	Chronic Active, Minimal
		Mixed Cell Focus	
* Ovary		Atrophy	Moderate
* Spleen		Hematopoietic Cell Proliferation	Minimal
* Stomach, Forestomach	Epithelium	Hyperplasia	Minimal
		Inflammation	Minimal
* Uterus	Endometrium	Hyperplasia	Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99023-04
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: beta-Myrcene
CAS Number: 123-35-3

Date Report Requested: 10/16/2014
Time Report Requested: 05:39:05
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 331

TRT#: 6
DOSE: 0.5 G/KG

SEX: Female
DISP: Natural Death

DAY ON TEST: 437
HISTO: 0401201

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Brain	* Clitoral Gland
* Esophagus	* Eye	* Gallbladder	* Harderian Gland
* Heart	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Ileum	* Islets, Pancreatic	* Lung	* Mammary Gland
* Nose	* Pancreas	* Pituitary Gland	* Salivary Glands
* Skin	* Stomach, Forestomach	* Stomach, Glandular	* Thyroid Gland
* Trachea	* Urinary Bladder		

MISSING

* Lymph Node, Mesenteric	* Parathyroid Gland
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AUTO PRECLUDES DIAG.

* Intestine Small, Duodenum	* Intestine Small, Jejunum
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OBSERVATIONS

* Adrenal Cortex	Subcapsular	Hyperplasia	Moderate
* Bone Marrow		Atrophy	Mild
* Eye			
Note: Left eye was missing due to cannibalization.			
* Kidney	Renal Tubule	Mineralization Necrosis	Moderate Marked
	[Necrosis TGLS = 3-4]		
* Liver		Vacuolization Cytoplasmic	Marked
	[Vacuolization Cytoplasmic TGLS = 2 - 3+4+5+10]		
* Lymph Node, Mandibular		Atrophy	Minimal
* Ovary		Atrophy	Moderate
* Spleen	Lymph Follic	Atrophy	Marked
	[Atrophy TGLS = 4-4]		
* Thymus		Atrophy	Marked
* Uterus	Endometrium	Hyperplasia	Moderate
	[Hyperplasia TGLS = 1-7]		

PRIMARY CAUSE OF DEATH - Kidney Renal Tubule Necrosis

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99023-04
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: beta-Myrcene
CAS Number: 123-35-3

Date Report Requested: 10/16/2014
Time Report Requested: 05:39:05
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 332

TRT#: 6

SEX: Female

DAY ON TEST: 728

DOSE: 0.5 G/KG

DISP: Terminal Sacrifice

HISTO: 0401202

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Bone Marrow	* Brain
* Clitoral Gland	* Esophagus	* Eye	* Gallbladder
* Harderian Gland	* Heart	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Lung	* Lymph Node, Mandibular	* Lymph Node, Mesenteric
* Mammary Gland	* Nose	* Pancreas	* Salivary Glands
* Skin	* Stomach, Forestomach	* Stomach, Glandular	* Thyroid Gland
* Trachea	* Urinary Bladder		

MISSING

* Parathyroid Gland

OBSERVATIONS

* Adrenal Cortex	Subcapsular	Hyperplasia	Marked
* Kidney		Mineralization	Minimal
* Liver		Clear Cell Focus	
		Fatty Change	Minimal
		Hepatocellular Adenoma	
	Hepatocyte	Hypertrophy	Minimal
		Inflammation	Chronic Active, Minimal
* Ovary		Atrophy	Moderate
* Pituitary Gland	Pars Distalis	Hyperplasia	Mild
* Spleen		Hematopoietic Cell Proliferation	Mild
* Thymus		Atrophy	Mild
* Uterus	Endometrium	Hyperplasia	Moderate

[Hyperplasia TGLS = 1-7]

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99023-04
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: beta-Myrcene
CAS Number: 123-35-3

Date Report Requested: 10/16/2014
Time Report Requested: 05:39:05
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 333

TRT#: 6

SEX: Female

DAY ON TEST: 566

DOSE: 0.5 G/KG

DISP: Natural Death

HISTO: 0401203

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Bone Marrow	* Brain
* Clitoral Gland	* Esophagus	* Eye	* Gallbladder
* Harderian Gland	* Heart	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Islets, Pancreatic
* Kidney	* Lung	* Lymph Node, Mandibular	* Lymph Node, Mesenteric
* Mammary Gland	* Nose	* Parathyroid Gland	* Pituitary Gland
* Salivary Glands	* Stomach, Glandular	* Thyroid Gland	* Trachea
* Urinary Bladder			

OBSERVATIONS

* Adrenal Cortex	Subcapsular	Hyperplasia	Moderate
* Intestine Small, Jejunum		Sarcoma	Metastatic (Skin)
* Liver		Necrosis	Mild
* Ovary		Atrophy	Moderate
* Pancreas		Sarcoma	Metastatic (Skin)
* Skin	Subcut Tiss	Sarcoma	
Note: TGL-1, grossly identified as a mammary tumor, is in skin (subcutis) and is a neurofibrosarcoma. [Sarcoma TGLS = 1-10]			
* Spleen	Lymph Follic	Atrophy	Mild
		Hematopoietic Cell Proliferation	Moderate
* Stomach, Forestomach	Epithelium	Hyperplasia	Mild
		Inflammation	Mild
		Necrosis	Minimal
[Hyperplasia TGLS = 3 - 5+11]			
* Thymus		Atrophy	Moderate
* Uterus	Endometrium	Hyperplasia	Minimal
[Hyperplasia TGLS = 2-7]			

PRIMARY CAUSE OF DEATH

- Skin Subcut Tiss Sarcoma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99023-04
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: beta-Myrcene
CAS Number: 123-35-3

Date Report Requested: 10/16/2014
Time Report Requested: 05:39:05
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 334 **TRT#:** 6 **SEX:** Female **DAY ON TEST:** 492
DOSE: 0.5 G/KG **DISP:** Natural Death **HISTO:** 0401204

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Brain
* Clitoral Gland	* Eye	* Gallbladder	* Harderian Gland
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Kidney
* Lung	* Mammary Gland	* Nose	* Parathyroid Gland
* Pituitary Gland	* Salivary Glands	* Skin	* Stomach, Glandular
* Thyroid Gland	* Trachea	* Urinary Bladder	* Uterus

MISSING

* Ovary * Thymus

OBSERVATIONS

* Adren Cortex			
Note: One adrenal gland was missing at trim.			
* Bone Marrow		Atrophy	Moderate
* Clitoral GI			
Note: One clitoral gland is not present in block or wet tissues.			
* Esophagus		Inflammation	Minimal
		Necrosis	Minimal
* Heart		Cardiomyopathy	Minimal
* Liver		Fatty Change	Minimal
		Vacuolization Cytoplasmic	Marked
[Vacuolization Cytoplasmic TGLS = 1 - 3+4+5]			
* Lymph Node, Mandibular		Atrophy	Mild
* Lymph Node, Mesenteric		Atrophy	Mild
Mesentery	Fat	Necrosis	Minimal
* Pancreas		Atrophy	Marked
* Spleen	Lymph Follic	Atrophy	Marked
		Pigmentation	Hemosiderin, Mild
[Atrophy TGLS = 2-4]			
* Stomach, Forestomach	Epithelium	Hyperplasia	Minimal
		Inflammation	Minimal

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99023-04
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: beta-Myrcene
CAS Number: 123-35-3

Date Report Requested: 10/16/2014
Time Report Requested: 05:39:05
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 334

TRT#: 6

SEX: Female

DAY ON TEST: 492

DOSE: 0.5 G/KG

DISP: Natural Death

HISTO: 0401204

ORGAN AND ACCOUNTABLE SITE STATUS

[Hyperplasia TGLS = 3 - 5+10]

Necrosis

Minimal

PRIMARY CAUSE OF DEATH

- Liver Vacuolization Cytoplasmic

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99023-04
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: beta-Myrcene
CAS Number: 123-35-3

Date Report Requested: 10/16/2014
Time Report Requested: 05:39:05
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 335

TRT#: 6

SEX: Female

DAY ON TEST: 728

DOSE: 0.5 G/KG

DISP: Terminal Sacrifice

HISTO: 0401205

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Brain	* Clitoral Gland
* Esophagus	* Gallbladder	* Harderian Gland	* Heart
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Lung
* Lymph Node, Mesenteric	* Mammary Gland	* Nose	* Pancreas
* Parathyroid Gland	* Pituitary Gland	* Salivary Glands	* Skin
* Spleen	* Stomach, Forestomach	* Stomach, Glandular	* Thymus
* Thyroid Gland	* Trachea	* Urinary Bladder	

OBSERVATIONS

* Adrenal Cortex	Subcapsular	Hyperplasia	Moderate
* Bone Marrow		Myelofibrosis	Minimal
* Eye	Lens	Cataract	Minimal
* Kidney		Nephropathy	Minimal
* Liver		Angiectasis	Minimal
		Inflammation	Chronic Active, Minimal
Note: TGL-1 =One blood-filled space present. [Angiectasis TGLS = 1-10]			
* Lymph Node, Mandibular		Atrophy	Minimal
* Ovary		Atrophy	Mild
* Uterus	Endometrium	Hyperplasia	Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99023-04
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: beta-Myrcene
CAS Number: 123-35-3

Date Report Requested: 10/16/2014
Time Report Requested: 05:39:05
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 336

TRT#: 6

SEX: Female

DAY ON TEST: 296

DOSE: 0.5 G/KG

DISP: Natural Death

HISTO: 0401206

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Brain	* Clitoral Gland
* Esophagus	* Eye	* Gallbladder	* Harderian Gland
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Lung	* Mammary Gland
* Nose	* Pancreas	* Pituitary Gland	* Salivary Glands
* Skin	* Stomach, Forestomach	* Stomach, Glandular	* Thyroid Gland
* Trachea	* Urinary Bladder	* Uterus	

MISSING

* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Parathyroid Gland
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OBSERVATIONS

* Adrenal Cortex	Subcapsular	Hyperplasia	Moderate
* Bone Marrow		Atrophy	Mild
* Heart		Cardiomyopathy	Minimal
* Intestine Large, Rectum		Inflammation	Minimal
		Necrosis	Mild
Note: The rectal necrosis is the most likely source of the terminal sepsis.			
* Kidney		Amyloid Deposition	Marked
		Nephropathy	Moderate
* Liver		Necrosis	Minimal
* Lung			
Note: There are multiple septic emboli with no reaction in the lung, indicating they are a peri-mortem occurrence, suggesting sepsis.			
* Ovary		Amyloid Deposition	Mild
* Spleen	Lymph Follic	Atrophy	Minimal
		Pigmentation	Hemosiderin, Minimal
* Thymus		Atrophy	Moderate

PRIMARY CAUSE OF DEATH

- Kidney Amyloid Deposition

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99023-04
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: beta-Myrcene
CAS Number: 123-35-3

Date Report Requested: 10/16/2014
Time Report Requested: 05:39:05
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 337

TRT#: 6

SEX: Female

DAY ON TEST: 674

DOSE: 0.5 G/KG

DISP: Moribund Sacrifice

HISTO: 0401207

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Bone Marrow	* Clitoral Gland
* Esophagus	* Eye	* Gallbladder	* Harderian Gland
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Mammary Gland
* Nose	* Parathyroid Gland	* Pituitary Gland	* Salivary Glands
* Skin	* Stomach, Forestomach	* Stomach, Glandular	* Uterus

OBSERVATIONS

* Adrenal Cortex	Subcapsular	Hyperplasia	Marked
* Brain	Cerebrum	Necrosis	Moderate
Note: There is an area of poliomalacia in the parietal cortex.			
* Heart		Fibrosis	Mild
		Hemangioma	
* Kidney	Pelvis	Dilatation	Moderate
		Infarct	Moderate
		Lymphoma Malignant	
	[Dilatation TGLS = 4-4]		
* Liver	Bile Duct	Crystals	Mild
	Bile Duct	Hyperplasia	Mild
	Oval Cell	Hyperplasia	Moderate
		Lymphoma Malignant	
Note: The bile duct proliferation and cytoplasmic alteration (eosinophilia of cytoplasm) appears to be secondary to the lymphoma.			
	[Lymphoma Malignant TGLS = 5 - 3+4+5]		
* Lung	Alveolus	Infiltration Cellular	Histiocyte, Mild
		Lymphoma Malignant	
Lymph Node	Axillary	Lymphoma Malignant	
	Lumbar	Lymphoma Malignant	
	Mediastinal	Lymphoma Malignant	
	Renal	Lymphoma Malignant	
	[Lymphoma Malignant TGLS = 7-11]		
	[Lymphoma Malignant TGLS = 8-12]		

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99023-04
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: beta-Myrcene
CAS Number: 123-35-3

Date Report Requested: 10/16/2014
Time Report Requested: 05:39:05
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 337

TRT#: 6
DOSE: 0.5 G/KG

SEX: Female
DISP: Moribund Sacrifice

DAY ON TEST: 674
HISTO: 0401207

ORGAN AND ACCOUNTABLE SITE STATUS

[Lymphoma Malignant TGLS = 6-10]			
[Lymphoma Malignant TGLS = 10-13]			
* Lymph Node, Mandibular		Lymphoma Malignant	
[Lymphoma Malignant TGLS = 1-2]			
* Lymph Node, Mesenteric		Lymphoma Malignant	
[Lymphoma Malignant TGLS = 9-5]			
* Ovary		Atrophy	Marked
	Follicle	Cyst	Multiple, Moderate
	Periovarn Tiss	Cyst	Minimal
		Lymphoma Malignant	
[Cyst TGLS = 3-7]			
* Pancreas		Atrophy	Mild
	Duct	Cytoplasmic Alteration	Mild
	Duct	Lymphoma Malignant	
Note: Pancreatic duct alteration is similar to that affecting bile ducts: proliferation, with eosinophilia of epithelial cytoplasm (and also secondary to lymphoma).			
* Spleen		Hematopoietic Cell Proliferation	Moderate
		Lymphoma Malignant	
[Lymphoma Malignant TGLS = 2-4]			
* Thymus		Atrophy	Moderate
* Thyroid Gland	C Cell	Hyperplasia	Minimal
* Trachea	Epithelium, Glands	Cytoplasmic Alteration	Mild
Ureter		Lymphoma Malignant	
Note: Ureter was entrapped within lymphoma in section B11.			
* Urinary Bladder		Lymphoma Malignant	

PRIMARY CAUSE OF DEATH - Spleen Lymphoma Malignant

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99023-04
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: beta-Myrcene
CAS Number: 123-35-3

Date Report Requested: 10/16/2014
Time Report Requested: 05:39:05
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 338

TRT#: 6

SEX: Female

DAY ON TEST: 728

DOSE: 0.5 G/KG

DISP: Terminal Sacrifice

HISTO: 0401208

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Bone Marrow	* Brain
* Clitoral Gland	* Esophagus	* Eye	* Gallbladder
* Harderian Gland	* Heart	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Mammary Gland
* Nose	* Pancreas	* Parathyroid Gland	* Pituitary Gland
* Salivary Glands	* Skin	* Spleen	* Stomach, Forestomach
* Stomach, Glandular	* Thymus	* Thyroid Gland	* Trachea
* Urinary Bladder			

OBSERVATIONS

* Adrenal Cortex	Subcapsular	Hyperplasia	Moderate
* Kidney		Nephropathy	Minimal
* Liver		Inflammation	Chronic Active, Minimal
* Lung	Alveolus	Infiltration Cellular	Histiocyte, Moderate
		Inflammation	Chronic Active, Mild
* Ovary		Atrophy	Moderate
* Uterus	Endometrium	Hyperplasia	Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99023-04
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: beta-Myrcene
CAS Number: 123-35-3

Date Report Requested: 10/16/2014
Time Report Requested: 05:39:05
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 339

TRT#: 6

SEX: Female

DAY ON TEST: 727

DOSE: 0.5 G/KG

DISP: Terminal Sacrifice

HISTO: 0401209

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Bone Marrow	* Brain
* Clitoral Gland	* Esophagus	* Eye	* Gallbladder
* Harderian Gland	* Heart	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Lung	* Lymph Node, Mandibular	* Lymph Node, Mesenteric
* Nose	* Pancreas	* Parathyroid Gland	* Salivary Glands
* Skin	* Stomach, Forestomach	* Stomach, Glandular	* Thyroid Gland
* Trachea	* Urinary Bladder	* Uterus	

OBSERVATIONS

* Adrenal Cortex	Subcapsular	Hyperplasia	Moderate
* Eye			
Note: Optic nerves were not present in block or wet tissues.			
* Kidney		Infiltration Cellular	Lymphocyte, Mild
		Nephropathy	Minimal
* Liver		Eosinophilic Focus	
		Fatty Change	Mild
		Hepatocellular Carcinoma	
	Hepatocyte	Hypertrophy	Minimal
[Hepatocellular Carcinoma TGLS = 2-10]			
* Mammary Gland	Duct	Dilatation	Mild
		Hyperplasia	Mild
* Ovary		Atrophy	Moderate
	Follicle	Cyst	Moderate
[Cyst TGLS = 1-7]			
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 3-6]			
* Spleen	Lymph Follic	Atrophy	Minimal
		Hematopoietic Cell Proliferation	Moderate
* Thymus		Atrophy	Mild

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99023-04
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: beta-Myrcene
CAS Number: 123-35-3

Date Report Requested: 10/16/2014
Time Report Requested: 05:39:05
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 340

TRT#: 6

SEX: Female

DAY ON TEST: 728

DOSE: 0.5 G/KG

DISP: Terminal Sacrifice

HISTO: 0401210

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Bone Marrow	* Brain
* Clitoral Gland	* Esophagus	* Eye	* Gallbladder
* Harderian Gland	* Heart	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Lung	* Lymph Node, Mandibular	* Lymph Node, Mesenteric
* Mammary Gland	* Nose	* Pancreas	* Parathyroid Gland
* Pituitary Gland	* Salivary Glands	* Skin	* Spleen
* Stomach, Forestomach	* Stomach, Glandular	* Thymus	* Thyroid Gland
* Trachea	* Urinary Bladder		

OBSERVATIONS

* Adrenal Cortex	Subcapsular	Hyperplasia	Marked
* Kidney		Nephropathy	Minimal
* Liver		Inflammation	Chronic Active, Minimal
* Ovary		Atrophy	Moderate
* Uterus	Endometrium	Hyperplasia	Mild

[Hyperplasia TGLS = 1-7]

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99023-04
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: beta-Myrcene
CAS Number: 123-35-3

Date Report Requested: 10/16/2014
Time Report Requested: 05:39:05
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 341	TRT#: 6	SEX: Female	DAY ON TEST: 488
	DOSE: 0.5 G/KG	DISP: Natural Death	HISTO: 0401211

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Bone Marrow	* Brain
* Clitoral Gland	* Esophagus	* Eye	* Gallbladder
* Harderian Gland	* Heart	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Kidney	* Lung	* Mammary Gland
* Nose	* Pancreas	* Parathyroid Gland	* Pituitary Gland
* Salivary Glands	* Skin	* Stomach, Forestomach	* Stomach, Glandular
* Thyroid Gland	* Trachea	* Urinary Bladder	* Uterus

MISSING

* Lymph Node, Mesenteric

OBSERVATIONS

* Adrenal Cortex	Subcapsular	Hyperplasia	Mild
* Liver		Vacuolization Cytoplasmic	Marked
[Vacuolization Cytoplasmic TGLS = 1 - 3+4+5]			
* Lymph Node, Mandibular		Atrophy	Mild
* Ovary		Atrophy	Moderate
* Spleen	Lymph Follic	Atrophy	Moderate
		Pigmentation	Hemosiderin, Minimal
* Thymus		Atrophy	Marked

PRIMARY CAUSE OF DEATH - Liver Vacuolization Cytoplasmic

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99023-04
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: beta-Myrcene
CAS Number: 123-35-3

Date Report Requested: 10/16/2014
Time Report Requested: 05:39:05
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 342

TRT#: 6

SEX: Female

DAY ON TEST: 727

DOSE: 0.5 G/KG

DISP: Terminal Sacrifice

HISTO: 0401212

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Bone Marrow	* Brain
* Clitoral Gland	* Esophagus	* Eye	* Gallbladder
* Harderian Gland	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Islets, Pancreatic	* Kidney
* Lung	* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Mammary Gland
* Pancreas	* Parathyroid Gland	* Salivary Glands	* Skin
* Stomach, Glandular	* Thymus	* Thyroid Gland	* Trachea
* Urinary Bladder			

OBSERVATIONS

* Adrenal Cortex	Subcapsular	Hyperplasia	Mild
* Heart	Coron Artery	Inflammation	Mild
Note: There is intimal proliferation in the affected coronary artery.			
* Intestine Small, Jejunum	Peyers Patch	Hyperplasia	Lymphoid, Moderate
* Liver		Eosinophilic Focus	
		Fatty Change	Minimal
		Hepatocellular Adenoma	
		Inflammation	Chronic Active, Minimal
[Hepatocellular Adenoma TGLS = 1-10]			
* Nose	Olfactory Epi	Degeneration	Minimal
* Ovary		Atrophy	Marked
Note: One ovary was missing from block and wet tissues.			
* Pituitary Gland	Pars Distalis	Hyperplasia	Minimal
* Spleen		Hematopoietic Cell Proliferation	Mild
* Stomach, Forestomach	Epithelium	Hyperplasia	Marked
		Inflammation	Mild
[Hyperplasia TGLS = 2-11]			
* Uterus	Endometrium	Hyperplasia	Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99023-04
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: beta-Myrcene
CAS Number: 123-35-3

Date Report Requested: 10/16/2014
Time Report Requested: 05:39:05
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 343

TRT#: 6

SEX: Female

DAY ON TEST: 438

DOSE: 0.5 G/KG

DISP: Natural Death

HISTO: 0401213

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Brain	* Clitoral Gland
* Esophagus	* Eye	* Gallbladder	* Harderian Gland
* Heart	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Lung
* Mammary Gland	* Nose	* Pancreas	* Parathyroid Gland
* Pituitary Gland	* Salivary Glands	* Skin	* Stomach, Glandular
* Thyroid Gland	* Trachea	* Urinary Bladder	* Uterus

AUTO PRECLUDES DIAG.

* Intestine Small, Duodenum

INSUFFICIENT TISSUE

* Lymph Node, Mesenteric

OBSERVATIONS

* Adrenal Cortex	Subcapsular	Hyperplasia	Mild
* Bone Marrow		Atrophy	Mild
* Clitoral GI			
Note: One clitoral gland was missing from block and wet tissue.			
* Kidney	Renal Tubule	Necrosis	Minimal
[Necrosis TGLS = 2-4]			
* Liver	Hepatocyte	Fatty Change	Minimal
		Hypertrophy	Mild
		Vacuolization Cytoplasmic	Marked
[Vacuolization Cytoplasmic TGLS = 1 - 3+4+5+10]			
* Lymph Node, Mandibular		Atrophy	Moderate
* Ovary		Atrophy	Minimal
* Spleen	Lymph Follic	Atrophy	Moderate
[Atrophy TGLS = 3-4]			
* Stomach, Forestomach		Necrosis	Mild
* Thymus		Atrophy	Marked

PRIMARY CAUSE OF DEATH - Liver Vacuolization Cytoplasmic

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99023-04
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: beta-Myrcene
CAS Number: 123-35-3

Date Report Requested: 10/16/2014
Time Report Requested: 05:39:05
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 344

TRT#: 6

SEX: Female

DAY ON TEST: 640

DOSE: 0.5 G/KG

DISP: Natural Death

HISTO: 0401214

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Bone Marrow	* Brain
* Clitoral Gland	* Esophagus	* Eye	* Gallbladder
* Harderian Gland	* Heart	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Kidney	* Lymph Node, Mandibular	* Mammary Gland	* Nose
* Pancreas	* Parathyroid Gland	* Pituitary Gland	* Salivary Glands
* Skin	* Stomach, Glandular	* Thyroid Gland	* Trachea
* Urinary Bladder	* Uterus		

MISSING

* Lymph Node, Mesenteric

AUTO PRECLUDES DIAG.

* Intestine Small, Duodenum

OBSERVATIONS

* Adrenal Cortex	Subcapsular	Hyperplasia	Mild
Blood Vessel	Carotid Artery, Intima	Hyperplasia	Marked
* Clitoral GI			
Note: One clitoral gland was missing from block and wet tissues.			
* Eye			
Note: Optic nerves were not present in block or wet tissues.			
* Int Lg Colon			
Note: Colonic intussusception (TGL-2) was a perimortem event (minimal to no congestion and no necrosis present) hence not diagnosed microscopically (NCL).			
* Liver		Hepatocellular Carcinoma	
[Hepatocellular Carcinoma TGLS = 1-10]			
* Lung		Hepatocellular Carcinoma	Metastatic (Liver)
* Lym Node Mesen			
Note: Mesenteric lymph node was in B11.			
* Ovary		Atrophy	Marked
* Spleen	Lymph Follic	Atrophy	Mild
		Pigmentation	Hemosiderin, Minimal
* Stomach, Forestomach	Epithelium	Hyperplasia	Mild

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99023-04
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: beta-Myrcene
CAS Number: 123-35-3

Date Report Requested: 10/16/2014
Time Report Requested: 05:39:05
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 344

TRT#: 6

SEX: Female

DAY ON TEST: 640

DOSE: 0.5 G/KG

DISP: Natural Death

HISTO: 0401214

ORGAN AND ACCOUNTABLE SITE STATUS

* Thymus

Atrophy

Marked

PRIMARY CAUSE OF DEATH

- Liver Hepatocellular Carcinoma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99023-04
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: beta-Myrcene
CAS Number: 123-35-3

Date Report Requested: 10/16/2014
Time Report Requested: 05:39:05
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 345

TRT#: 6

SEX: Female

DAY ON TEST: 728

DOSE: 0.5 G/KG

DISP: Terminal Sacrifice

HISTO: 0401215

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Bone Marrow	* Brain
* Clitoral Gland	* Eye	* Gallbladder	* Harderian Gland
* Heart	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Mammary Gland	* Nose
* Pancreas	* Parathyroid Gland	* Pituitary Gland	* Salivary Glands
* Skin	* Spleen	* Stomach, Forestomach	* Stomach, Glandular
* Thymus	* Thyroid Gland	* Trachea	* Urinary Bladder

OBSERVATIONS

* Adrenal Cortex	Subcapsular	Hyperplasia	Moderate
* Esophagus	Muscularis	Degeneration	Minimal
* Kidney		Mineralization	Minimal
* Liver	Hepatocyte	Hypertrophy	Minimal
		Inflammation	Chronic Active, Minimal
* Lung		Pigmentation	Hemosiderin, Minimal
* Ovary		Angiectasis	Mild
		Atrophy	Moderate
* Uterus	Endometrium	Hyperplasia	Marked

[Hyperplasia TGLS = 1-7]

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99023-04
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: beta-Myrcene
CAS Number: 123-35-3

Date Report Requested: 10/16/2014
Time Report Requested: 05:39:05
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 346

TRT#: 6

SEX: Female

DAY ON TEST: 727

DOSE: 0.5 G/KG

DISP: Terminal Sacrifice

HISTO: 0401216

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	Blood Vessel	* Bone	* Bone Marrow
* Brain	* Clitoral Gland	* Esophagus	* Eye
* Gallbladder	* Harderian Gland	* Heart	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Lung	* Lymph Node, Mandibular
* Lymph Node, Mesenteric	* Mammary Gland	* Nose	* Pancreas
* Parathyroid Gland	* Pituitary Gland	* Salivary Glands	* Skin
* Stomach, Glandular	* Thymus	* Thyroid Gland	* Trachea
* Urinary Bladder	* Uterus		

OBSERVATIONS

* Adrenal Cortex	Subcapsular	Hyperplasia	Moderate
		Hypertrophy	Minimal
* Kidney		Mineralization	Minimal
	Papilla	Necrosis	Mild
		Nephropathy	Mild
* Liver		Fatty Change	Minimal
		Inflammation	Chronic Active, Minimal
* Ovary		Atrophy	Moderate
	Corpus Luteum	Cyst	Minimal
* Spleen		Hyperplasia	Lymphoid, Marked
* Stomach, Forestomach		Squamous Cell Papilloma	

[Squamous Cell Papilloma TGLS = 1-10]

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99023-04
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: beta-Myrcene
CAS Number: 123-35-3

Date Report Requested: 10/16/2014
Time Report Requested: 05:39:05
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 347	TRT#: 6	SEX: Female	DAY ON TEST: 727
	DOSE: 0.5 G/KG	DISP: Terminal Sacrifice	HISTO: 0401217

ORGAN AND ACCOUNTABLE SITE STATUS

* Skin	Subcut Tiss	Histiocytic Sarcoma	
* Spleen		Histiocytic Sarcoma	
		Hematopoietic Cell Proliferation	Marked
		Histiocytic Sarcoma	
[Hematopoietic Cell Proliferation TGLS = 1-4]			
* Thymus		Atrophy	Mild
		Histiocytic Sarcoma	
* Thyroid Gland	Follicular Cel	Adenoma	
	Follicle	Cyst	Mild
[Adenoma TGLS = 5-3]			

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99023-04
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: beta-Myrcene
CAS Number: 123-35-3

Date Report Requested: 10/16/2014
Time Report Requested: 05:39:05
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 348

TRT#: 6

SEX: Female

DAY ON TEST: 728

DOSE: 0.5 G/KG

DISP: Terminal Sacrifice

HISTO: 0401218

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Bone Marrow	* Brain
* Clitoral Gland	* Esophagus	* Eye	* Gallbladder
* Heart	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Kidney	* Lung	* Lymph Node, Mandibular	* Lymph Node, Mesenteric
* Mammary Gland	* Nose	* Parathyroid Gland	* Pituitary Gland
* Salivary Glands	* Skin	* Stomach, Forestomach	* Stomach, Glandular
* Thymus	* Thyroid Gland	* Trachea	* Urinary Bladder

OBSERVATIONS

* Adrenal Cortex	Subcapsular	Hyperplasia Hypertrophy	Moderate Minimal
* Harderian Gland [Adenoma TGLS = 1-9]		Adenoma	
* Liver		Inflammation	Chronic Active, Minimal
* Ovary		Atrophy	Moderate
* Pancreas		Basophilic Focus	Minimal
* Spleen		Pigmentation	Hemosiderin, Minimal
Tooth		Dysplasia	
* Uterus [Hyperplasia TGLS = 2-7]	Endometrium	Hyperplasia	Marked

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99023-04
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: beta-Myrcene
CAS Number: 123-35-3

Date Report Requested: 10/16/2014
Time Report Requested: 05:39:05
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 350

TRT#: 6

SEX: Female

DAY ON TEST: 619

DOSE: 0.5 G/KG

DISP: Moribund Sacrifice

HISTO: 0401220

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Bone	* Bone Marrow	* Brain	* Clitoral Gland
* Esophagus	* Eye	* Gallbladder	* Heart
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Kidney
* Lung	* Lymph Node, Mandibular	* Mammary Gland	* Nose
* Parathyroid Gland	* Pituitary Gland	* Salivary Glands	* Skin
* Stomach, Glandular	* Thyroid Gland	* Trachea	* Urinary Bladder
* Uterus			

OBSERVATIONS

* Adrenal Cortex	Subcapsular	Hyperplasia	Moderate
		Lymphoma Malignant	
* Adrenal Medulla		Lymphoma Malignant	
* Harderian Gland		Lymphoma Malignant	
Note: One harderian gland has extensive hemorrhage and lymphoid necrosis.			
* Liver		Lymphoma Malignant	
[Lymphoma Malignant TGLS = 1,2,3,4,5 - 10+11+12+13+14]			
Lymph Node	Mediastinal	Lymphoma Malignant	
	Renal	Lymphoma Malignant	
Note: The renal lymph node section has some pancreas, suggesting pancreatic node was also incorporated in the single mass of affected nodes (see gross description).			
[Lymphoma Malignant TGLS = 7-15]			
* Lymph Node, Mesenteric		Lymphoma Malignant	
[Lymphoma Malignant TGLS = 8-16]			
Mesentery		Lymphoma Malignant	
* Ovary		Atrophy	Moderate
* Pancreas		Lymphoma Malignant	
* Spleen		Lymphoma Malignant	
[Lymphoma Malignant TGLS = 6-4]			
* Stomach, Forestomach	Epithelium	Hyperplasia	Mild
		Inflammation	Mild
		Ulcer	Mild

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99023-04
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: beta-Myrcene
CAS Number: 123-35-3

Date Report Requested: 10/16/2014
Time Report Requested: 05:39:05
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 350

TRT#: 6

SEX: Female

DAY ON TEST: 619

DOSE: 0.5 G/KG

DISP: Moribund Sacrifice

HISTO: 0401220

ORGAN AND ACCOUNTABLE SITE STATUS

[Hyperplasia TGLS = 9-16]

* Thymus

Atrophy

Marked

Hemangioma

Lymphoma Malignant

PRIMARY CAUSE OF DEATH

- Liver Lymphoma Malignant

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99023-04
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: beta-Myrcene
CAS Number: 123-35-3

Date Report Requested: 10/16/2014
Time Report Requested: 05:39:05
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 352

TRT#: 8

SEX: Female

DAY ON TEST: 673

DOSE: 1.0 G/KG

DISP: Natural Death

HISTO: 0401222

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Brain	* Clitoral Gland
* Esophagus	* Eye	* Gallbladder	* Heart
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Lung
* Mammary Gland	* Nose	* Pancreas	* Parathyroid Gland
* Pituitary Gland	* Salivary Glands	* Skin	* Stomach, Glandular
* Trachea	* Urinary Bladder		

OBSERVATIONS

* Adrenal Cortex	Subcapsular	Hyperplasia	Moderate
* Bone Marrow		Atrophy	Mild
* Eye			
Note: Optic nerves were not present in the block or wet tissues.			
* Harderian Gland		Adenoma	
* Kidney	Renal Tubule	Necrosis	Marked
* Liver		Fatty Change	Minimal
	Hepatocyte	Hypertrophy	Mild
		Necrosis	Minimal
		Vacuolization Cytoplasmic	Mild
* Lymph Node, Mandibular		Atrophy	Minimal
* Lymph Node, Mesenteric		Atrophy	Mild
* Ovary		Atrophy	Marked
* Spleen	Lymph Follic	Atrophy	Mild
		Pigmentation	Hemosiderin, Minimal
* Stomach, Forestomach	Epithelium	Hyperplasia	Mild
		Mineralization	Minimal
* Thymus		Atrophy	Marked
* Thyroid Gland	Follicle	Cyst	Minimal
* Uterus	Endometrium	Hyperplasia	Mild

[Hyperplasia TGLS = 1-7]

PRIMARY CAUSE OF DEATH

- Kidney Renal Tubule Necrosis

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99023-04
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: beta-Myrcene
CAS Number: 123-35-3

Date Report Requested: 10/16/2014
Time Report Requested: 05:39:05
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 353

TRT#: 8

SEX: Female

DAY ON TEST: 727

DOSE: 1.0 G/KG

DISP: Terminal Sacrifice

HISTO: 0401223

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Bone Marrow	* Brain
* Clitoral Gland	* Esophagus	* Eye	* Gallbladder
* Harderian Gland	* Heart	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Lung	* Lymph Node, Mandibular	* Lymph Node, Mesenteric
* Mammary Gland	* Nose	* Pancreas	* Parathyroid Gland
* Pituitary Gland	* Salivary Glands	* Skin	* Stomach, Forestomach
* Stomach, Glandular	* Thymus	* Thyroid Gland	* Trachea
* Urinary Bladder			

OBSERVATIONS

* Adrenal Cortex	Subcapsular	Hyperplasia	Moderate
Note: There is an epithelium-lined cyst within the adrenal cortex. Not coded because there is no appropriate nomenclature in TDMS and it is an incidental finding.			
* Kidney		Nephropathy	Minimal
* Liver		Hepatocellular Adenoma	
		Inflammation	Chronic Active, Minimal
	[Hepatocellular Adenoma TGLS = 1-4]		
* Ovary		Atrophy	Moderate
* Spleen		Hematopoietic Cell Proliferation	Minimal
* Uterus	Endometrium	Hyperplasia	Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99023-04
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: beta-Myrcene
CAS Number: 123-35-3

Date Report Requested: 10/16/2014
Time Report Requested: 05:39:05
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 354

TRT#: 8

SEX: Female

DAY ON TEST: 728

DOSE: 1.0 G/KG

DISP: Terminal Sacrifice

HISTO: 0401224

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Bone Marrow	* Brain
* Clitoral Gland	* Esophagus	* Eye	* Gallbladder
* Heart	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Kidney	* Lung	* Mammary Gland	* Nose
* Pancreas	* Parathyroid Gland	* Pituitary Gland	* Salivary Glands
* Skin	* Stomach, Forestomach	* Stomach, Glandular	* Trachea
* Urinary Bladder			

OBSERVATIONS

* Adrenal Cortex	Subcapsular	Hyperplasia	Moderate
* Harderian Gland		Adenoma	
* Liver	Hepatocyte	Hypertrophy	Minimal
		Inflammation	Chronic Active, Minimal
* Lymph Node, Mandibular		Atrophy	Minimal
* Lymph Node, Mesenteric		Atrophy	Mild
* Ovary		Atrophy	Marked
* Spleen		Hematopoietic Cell Proliferation	Minimal
* Thymus		Atrophy	Minimal
* Thyroid Gland		Inflammation	Minimal
* Uterus	Endometrium	Hyperplasia	Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99023-04
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: beta-Myrcene
CAS Number: 123-35-3

Date Report Requested: 10/16/2014
Time Report Requested: 05:39:05
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 355

TRT#: 8

SEX: Female

DAY ON TEST: 729

DOSE: 1.0 G/KG

DISP: Terminal Sacrifice

HISTO: 0401225

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Bone Marrow	* Brain
* Clitoral Gland	* Esophagus	* Eye	* Gallbladder
* Harderian Gland	* Heart	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Lung	* Lymph Node, Mandibular	* Lymph Node, Mesenteric
* Mammary Gland	* Nose	* Pancreas	* Parathyroid Gland
* Pituitary Gland	* Salivary Glands	* Skin	* Spleen
* Stomach, Forestomach	* Stomach, Glandular	* Thyroid Gland	* Trachea
* Urinary Bladder			

OBSERVATIONS

* Adrenal Cortex	Subcapsular	Hyperplasia	Mild
* Kidney		Nephropathy	Minimal
* Liver	Hepatocyte	Hypertrophy	Minimal
		Inflammation	Chronic Active, Minimal
* Ovary		Atrophy	Moderate
* Thymus		Atrophy	Minimal
* Uterus	Endometrium	Hyperplasia	Moderate

[Hyperplasia TGLS = 1-7]

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99023-04
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: beta-Myrcene
CAS Number: 123-35-3

Date Report Requested: 10/16/2014
Time Report Requested: 05:39:05
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 356

TRT#: 8

SEX: Female

DAY ON TEST: 727

DOSE: 1.0 G/KG

DISP: Terminal Sacrifice

HISTO: 0401226

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Bone Marrow	* Brain
* Clitoral Gland	* Esophagus	* Eye	* Gallbladder
* Harderian Gland	* Heart	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Lung	* Lymph Node, Mandibular	* Mammary Gland
* Nose	* Pancreas	* Parathyroid Gland	* Pituitary Gland
* Salivary Glands	* Skin	* Spleen	* Stomach, Glandular
* Thymus	* Thyroid Gland	* Trachea	* Urinary Bladder
* Uterus			

MISSING

* Lymph Node, Mesenteric

OBSERVATIONS

* Adrenal Cortex	Subcapsular	Hyperplasia	Moderate
* Kidney		Nephropathy	Minimal
* Liver		Basophilic Focus	
		Eosinophilic Focus	
		Hepatocellular Adenoma	
	Hepatocyte	Hypertrophy	Mild
		Inflammation	Chronic Active, Minimal
		Tension Lipidosis	Minimal
* Ovary		Atrophy	Moderate
* Stomach, Forestomach	Epithelium	Hyperplasia	Mild
		Inflammation	Minimal

[Hyperplasia TGLS = 1-10]

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99023-04
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: beta-Myrcene
CAS Number: 123-35-3

Date Report Requested: 10/16/2014
Time Report Requested: 05:39:05
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 357

TRT#: 8

SEX: Female

DAY ON TEST: 389

DOSE: 1.0 G/KG

DISP: Natural Death

HISTO: 0401227

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Brain	* Clitoral Gland
* Esophagus	* Eye	* Gallbladder	* Harderian Gland
* Heart	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Lung	* Lymph Node, Mandibular	* Mammary Gland	* Pancreas
* Parathyroid Gland	* Salivary Glands	* Skin	* Thyroid Gland
* Trachea	* Urinary Bladder	* Uterus	

OBSERVATIONS

* Adrenal Cortex	Subcapsular	Hyperplasia	Mild
* Bone Marrow		Atrophy	Mild
* Kidney		Nephropathy	Minimal
* Liver		Inflammation	Suppurative, Mild
		Vacuolization Cytoplasmic	Moderate
* Lymph Node, Mesenteric		Atrophy	Moderate
* Nose	Olfactory Epi	Degeneration	Minimal
* Ovary		Atrophy	Mild
* Pituitary Gland	Pars Distalis	Hyperplasia	Minimal
* Spleen	Lymph Follic	Atrophy	Marked
		Pigmentation	Hemosiderin, Mild
* Stomach, Forestomach		Inflammation	Minimal
		Necrosis	Mild
* Stomach, Glandular		Inflammation	Minimal
		Necrosis	Minimal
* Thymus		Atrophy	Marked

PRIMARY CAUSE OF DEATH -

Animal Note: Congo Red stain was performed on slides from this mouse instead of mouse 336 (pathologists error). No positive staining was identified (good negative control).

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99023-04
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: beta-Myrcene
CAS Number: 123-35-3

Date Report Requested: 10/16/2014
Time Report Requested: 05:39:05
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 358

TRT#: 8

SEX: Female

DAY ON TEST: 727

DOSE: 1.0 G/KG

DISP: Terminal Sacrifice

HISTO: 0401228

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Bone Marrow	* Brain
* Clitoral Gland	* Esophagus	* Eye	* Gallbladder
* Harderian Gland	* Heart	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Lymph Node, Mesenteric	* Mammary Gland	* Nose
* Pancreas	* Parathyroid Gland	* Pituitary Gland	* Salivary Glands
* Skin	* Spleen	* Stomach, Glandular	* Thyroid Gland
* Trachea	* Urinary Bladder		

OBSERVATIONS

* Adrenal Cortex	Subcapsular	Hyperplasia	Marked
* Kidney		Nephropathy	Minimal
* Liver		Eosinophilic Focus	
		Inflammation	Chronic Active, Minimal
* Lung		Hyperplasia	Lymphoid, Mild
* Lymph Node, Mandibular		Hyperplasia	Lymphoid, Marked
* Ovary		Atrophy	Marked
* Stomach, Forestomach	Epithelium	Hyperplasia	Minimal
* Thymus		Atrophy	Minimal
* Uterus	Endometrium	Angiectasis	Mild
		Hyperplasia	Minimal

[Angiectasis TGLS = 1-7]

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99023-04
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: beta-Myrcene
CAS Number: 123-35-3

Date Report Requested: 10/16/2014
Time Report Requested: 05:39:05
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 359

TRT#: 8

SEX: Female

DAY ON TEST: 538

DOSE: 1.0 G/KG

DISP: Natural Death

HISTO: 0401229

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Bone Marrow	* Brain
* Clitoral Gland	* Esophagus	* Eye	* Gallbladder
* Harderian Gland	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Kidney
* Lung	* Lymph Node, Mesenteric	* Mammary Gland	* Nose
* Pancreas	* Parathyroid Gland	* Pituitary Gland	* Salivary Glands
* Skin	* Stomach, Forestomach	* Stomach, Glandular	* Thyroid Gland
Tissue NOS	* Trachea	* Urinary Bladder	

AUTO PRECLUDES DIAG.

* Intestine Small, Ileum

OBSERVATIONS

* Adrenal Cortex	Subcapsular	Hyperplasia	Mild
* Heart	Valve	Thrombosis	Marked
* Liver		Necrosis	Mild
* Lymph Node, Mandibular		Atrophy	Minimal
* Ovary		Atrophy	Marked
* Spleen		Hematopoietic Cell Proliferation	Moderate
* Thymus		Atrophy	Minimal
* Uterus		Polyp Stromal	

[Polyp Stromal TGLS = 1-10]

PRIMARY CAUSE OF DEATH

- Heart Valve Thrombosis

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99023-04
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: beta-Myrcene
CAS Number: 123-35-3

Date Report Requested: 10/16/2014
Time Report Requested: 05:39:05
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 360

TRT#: 8

SEX: Female

DAY ON TEST: 728

DOSE: 1.0 G/KG

DISP: Terminal Sacrifice

HISTO: 0401230

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Bone Marrow	* Brain
* Clitoral Gland	* Esophagus	* Eye	* Gallbladder
* Harderian Gland	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Mammary Gland	* Nose
* Pancreas	* Parathyroid Gland	* Pituitary Gland	* Salivary Glands
* Skin	* Spleen	* Stomach, Glandular	* Thyroid Gland
* Trachea	* Urinary Bladder	* Uterus	

OBSERVATIONS

* Adrenal Cortex	Subcapsular	Hyperplasia	Mild
* Heart		Cardiomyopathy	Minimal
* Kidney		Nephropathy	Minimal
* Liver		Fatty Change	Minimal
		Hematopoietic Cell Proliferation	Minimal
		Hepatocellular Adenoma	
		Inflammation	Chronic Active, Minimal
[Hepatocellular Adenoma TGLS = 1-10]			
* Lung		Inflammation	Chronic Active, Minimal
* Ovary		Atrophy	Marked
* Stomach, Forestomach	Epithelium	Hyperplasia	Minimal
* Thymus		Atrophy	Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99023-04
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: beta-Myrcene
CAS Number: 123-35-3

Date Report Requested: 10/16/2014
Time Report Requested: 05:39:05
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 361

TRT#: 8

SEX: Female

DAY ON TEST: 729

DOSE: 1.0 G/KG

DISP: Terminal Sacrifice

HISTO: 0401231

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Bone Marrow	* Brain
* Clitoral Gland	* Esophagus	* Eye	* Gallbladder
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Lung
* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Mammary Gland	* Nose
* Pancreas	* Parathyroid Gland	* Pituitary Gland	* Salivary Glands
* Skin	* Spleen	* Stomach, Glandular	* Thyroid Gland
* Trachea	* Urinary Bladder		

OBSERVATIONS

* Adrenal Cortex	Subcapsular	Hyperplasia	Moderate
* Harderian Gland		Adenoma	
[Adenoma TGLS = 1-9]			
* Heart		Cardiomyopathy	Minimal
* Kidney		Nephropathy	Minimal
* Liver		Fatty Change	Minimal
	Hepatocyte	Hypertrophy	Minimal
		Inflammation	Chronic Active, Minimal
* Ovary		Atrophy	Marked
* Stomach, Forestomach	Epithelium	Hyperplasia	Minimal
* Thymus		Atrophy	Minimal
* Uterus	Endometrium	Hyperplasia	Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99023-04
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: beta-Myrcene
CAS Number: 123-35-3

Date Report Requested: 10/16/2014
Time Report Requested: 05:39:05
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 363

TRT#: 8

SEX: Female

DAY ON TEST: 404

DOSE: 1.0 G/KG

DISP: Natural Death

HISTO: 0401233

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Brain	* Clitoral Gland
* Esophagus	* Eye	* Gallbladder	* Harderian Gland
* Intestine Large, Colon	* Intestine Large, Rectum	* Kidney	* Lung
* Lymph Node, Mandibular	* Mammary Gland	* Parathyroid Gland	* Pituitary Gland
* Salivary Glands	* Skin	* Stomach, Glandular	* Thyroid Gland
* Trachea	* Urinary Bladder		

MISSING

* Thymus

AUTO PRECLUDES DIAG.

* Intestine Large, Cecum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Lymph Node, Mesenteric	* Pancreas	* Stomach, Forestomach

OBSERVATIONS

* Adrenal Cortex	Subcapsular	Hyperplasia	Mild
* Bone Marrow		Atrophy	Moderate
* Heart		Mineralization	Minimal
* Liver	Hepatocyte	Hypertrophy	Marked
		Necrosis	Minimal
		Tension Lipidosis	Mild
		Vacuolization Cytoplasmic	Marked
* Lym Node Mand			
Note: Mandibular lymph node is on slide 06.			
* Nose	Olfactory Epi	Degeneration	Minimal
* Ovary		Atrophy	Marked
* Spleen	Lymph Follic	Atrophy	Marked
		Pigmentation	Hemosiderin, Mild
[Atrophy TGLS = 1-4]			
* Uterus	Endometrium	Hyperplasia	Minimal

PRIMARY CAUSE OF DEATH

- Liver Vacuolization Cytoplasmic

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99023-04
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: beta-Myrcene
CAS Number: 123-35-3

Date Report Requested: 10/16/2014
Time Report Requested: 05:39:05
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 364

TRT#: 8

SEX: Female

DAY ON TEST: 728

DOSE: 1.0 G/KG

DISP: Terminal Sacrifice

HISTO: 0401234

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Bone Marrow	* Brain
* Clitoral Gland	* Esophagus	* Eye	* Gallbladder
* Harderian Gland	* Heart	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Mammary Gland
* Nose	* Pancreas	* Parathyroid Gland	* Pituitary Gland
* Salivary Glands	* Skin	* Spleen	* Stomach, Glandular
* Thymus	* Thyroid Gland	* Trachea	* Urinary Bladder
* Uterus			

OBSERVATIONS

* Adrenal Cortex	Subcapsular	Hyperplasia	Moderate
* Kidney		Nephropathy	Minimal
* Liver		Eosinophilic Focus	
	Hepatocyte	Hypertrophy	Minimal
		Inflammation	Chronic Active, Minimal
* Lung		Inflammation	Chronic Active, Minimal
* Ovary	Rete Ovarii	Cyst	Moderate
		Granulosa-Theca Tumor Benign	
* Stomach, Forestomach	Epithelium	Hyperplasia	Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99023-04
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: beta-Myrcene
CAS Number: 123-35-3

Date Report Requested: 10/16/2014
Time Report Requested: 05:39:05
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 365

TRT#: 8

SEX: Female

DAY ON TEST: 727

DOSE: 1.0 G/KG

DISP: Terminal Sacrifice

HISTO: 0401235

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Bone Marrow	* Brain
* Clitoral Gland	* Esophagus	* Eye	* Gallbladder
* Harderian Gland	* Heart	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Lymph Node, Mesenteric	* Mammary Gland	* Nose
* Pancreas	* Parathyroid Gland	* Pituitary Gland	* Salivary Glands
* Skin	* Spleen	* Stomach, Forestomach	* Stomach, Glandular
* Thymus	* Thyroid Gland	* Trachea	* Urinary Bladder

OBSERVATIONS

* Adrenal Cortex	Subcapsular	Hyperplasia	Moderate
* Kidney		Nephropathy	Minimal
* Liver	Hepatocyte	Hypertrophy	Minimal
		Inflammation	Chronic Active, Minimal
* Lung	Alveolar Epith	Hyperplasia	Minimal
	Alveolus	Infiltration Cellular	Histiocyte, Minimal
		Inflammation	Chronic Active, Minimal
* Lymph Node, Mandibular		Atrophy	Minimal
* Ovary		Angiectasis	Mild
		Atrophy	Marked
* Uterus	Endometrium	Hyperplasia	Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99023-04
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: beta-Myrcene
CAS Number: 123-35-3

Date Report Requested: 10/16/2014
Time Report Requested: 05:39:05
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 366

TRT#: 8

SEX: Female

DAY ON TEST: 729

DOSE: 1.0 G/KG

DISP: Terminal Sacrifice

HISTO: 0401236

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Brain	* Clitoral Gland
* Esophagus	* Eye	* Gallbladder	* Harderian Gland
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Kidney
* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Mammary Gland	* Nose
* Pancreas	* Parathyroid Gland	* Pituitary Gland	* Salivary Glands
* Skin	* Stomach, Forestomach	* Stomach, Glandular	* Thymus
* Trachea	* Urinary Bladder		

OBSERVATIONS

* Adrenal Cortex	Subcapsular	Hyperplasia	Mild
* Bone Marrow		Myelofibrosis	Minimal
* Heart		Mineralization	Minimal
* Liver		Cytoplasmic Alteration	Minimal
		Eosinophilic Focus	
	Hepatocyte	Hypertrophy	Mild
		Inflammation	Chronic Active, Minimal
* Lung		Alveolar/Bronchiolar Adenoma	
* Ovary		Atrophy	Marked
* Spleen		Hematopoietic Cell Proliferation	Minimal
* Thyroid Gland	Follicle	Cyst	Mild
* Uterus	Endometrium	Hyperplasia	Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99023-04
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: beta-Myrcene
CAS Number: 123-35-3

Date Report Requested: 10/16/2014
Time Report Requested: 05:39:05
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 367

TRT#: 8

SEX: Female

DAY ON TEST: 656

DOSE: 1.0 G/KG

DISP: Natural Death

HISTO: 0401237

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Bone Marrow	* Brain
* Clitoral Gland	* Esophagus	* Eye	* Gallbladder
* Harderian Gland	* Heart	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Lung	* Mammary Gland	* Nose
* Pancreas	* Parathyroid Gland	* Pituitary Gland	* Salivary Glands
* Skin	* Thyroid Gland	* Trachea	* Urinary Bladder

OBSERVATIONS

* Adrenal Cortex	Subcapsular	Hyperplasia	Moderate
Blood Vessel	Aorta	Inflammation	Mild
* Kidney		Mineralization	Mild
		Nephropathy	Minimal
* Liver		Hepatocellular Adenoma	
		Necrosis	Moderate
	[Hepatocellular Adenoma TGLS = 1-10]		
* Lymph Node, Mandibular		Atrophy	Mild
* Lymph Node, Mesenteric		Atrophy	Mild
* Ovary		Atrophy	Marked
* Spleen	Lymph Follic	Atrophy	Moderate
		Hematopoietic Cell Proliferation	Moderate
* Stomach, Forestomach	Epithelium	Hyperplasia	Moderate
		Inflammation	Mild
		Necrosis	Mild
		Ulcer	Mild
	[Hyperplasia TGLS = 2-10]		
* Stomach, Glandular		Mineralization	Mild
* Thymus		Atrophy	Marked
* Uterus	Endometrium	Hyperplasia	Minimal

PRIMARY CAUSE OF DEATH - Liver Hepatocellular Adenoma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99023-04
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: beta-Myrcene
CAS Number: 123-35-3

Date Report Requested: 10/16/2014
Time Report Requested: 05:39:05
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 368

TRT#: 8

SEX: Female

DAY ON TEST: 728

DOSE: 1.0 G/KG

DISP: Terminal Sacrifice

HISTO: 0401238

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Bone Marrow	* Brain
* Clitoral Gland	* Esophagus	* Eye	* Gallbladder
* Harderian Gland	* Heart	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Kidney	* Lymph Node, Mandibular	* Mammary Gland
* Nose	* Pancreas	* Parathyroid Gland	* Pituitary Gland
* Salivary Glands	* Skin	* Stomach, Glandular	* Thymus
* Thyroid Gland	* Trachea	* Urinary Bladder	* Uterus

OBSERVATIONS

* Adrenal Cortex	Subcapsular	Hyperplasia	Moderate
* Liver	Hepatocyte	Hepatocellular Adenoma Hypertrophy	Minimal
	[Hepatocellular Adenoma TGLS = 3-4]		
* Lung	Alveolar Epith	Alveolar/Bronchiolar Adenoma Hyperplasia	Marked
	[Alveolar/Bronchiolar Adenoma TGLS = 2-3]		
* Lymph Node, Mesenteric		Atrophy	Moderate
* Ovary		Angiectasis	Minimal
		Atrophy	Marked
	Germinal Epith	Cyst	Marked
		Hyperplasia	Tubular, Mild
	[Cyst TGLS = 1-7]		
* Spleen		Hematopoietic Cell Proliferation	Minimal
		Hyperplasia	Lymphoid, Mild
* Stomach, Forestomach	Epithelium	Hyperplasia	Moderate
		Inflammation	Mild
		Necrosis	Minimal
	[Hyperplasia TGLS = 4-10]		

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99023-04
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: beta-Myrcene
CAS Number: 123-35-3

Date Report Requested: 10/16/2014
Time Report Requested: 05:39:05
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 369

TRT#: 8

SEX: Female

DAY ON TEST: 727

DOSE: 1.0 G/KG

DISP: Terminal Sacrifice

HISTO: 0401239

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Bone Marrow	* Brain
* Clitoral Gland	* Esophagus	* Eye	* Gallbladder
* Harderian Gland	* Heart	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Kidney	* Lung	* Lymph Node, Mandibular
* Lymph Node, Mesenteric	* Mammary Gland	* Nose	* Pancreas
* Salivary Glands	* Skin	* Stomach, Forestomach	* Stomach, Glandular
* Thymus	* Thyroid Gland	* Trachea	* Urinary Bladder

MISSING

* Parathyroid Gland

OBSERVATIONS

* Adrenal Cortex	Subcapsular	Hyperplasia	Moderate
* Liver		Eosinophilic Focus	
	Hepatocyte	Fatty Change	Mild
		Hypertrophy	Minimal
		Inflammation	Chronic Active, Mild
		Mixed Cell Focus	
* Ovary		Atrophy	Marked
* Pituitary Gland	Pars Distalis	Hyperplasia	Moderate
* Spleen		Hematopoietic Cell Proliferation	Minimal
		Pigmentation	Hemosiderin, Minimal
* Uterus	Endometrium	Hyperplasia	Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99023-04
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: beta-Myrcene
CAS Number: 123-35-3

Date Report Requested: 10/16/2014
Time Report Requested: 05:39:05
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 370

TRT#: 8

SEX: Female

DAY ON TEST: 659

DOSE: 1.0 G/KG

DISP: Moribund Sacrifice

HISTO: 0401240

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Brain	* Clitoral Gland
* Esophagus	* Eye	* Gallbladder	* Harderian Gland
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Lung
* Mammary Gland	* Nose	* Pituitary Gland	* Salivary Glands
* Stomach, Forestomach	* Stomach, Glandular	* Thyroid Gland	* Trachea
* Urinary Bladder	* Uterus		

MISSING

* Parathyroid Gland

OBSERVATIONS

* Adrenal Cortex	Subcapsular	Hyperplasia	Mild
* Bone Marrow		Atrophy	Mild
* Heart		Mineralization	Minimal
* Kidney		Infarct	Minimal
		Mineralization	Mild
		Nephropathy	Minimal
* Liver		Eosinophilic Focus	
	Hepatocyte	Hypertrophy	Marked
		Vacuolization Cytoplasmic	Marked
	[Vacuolization Cytoplasmic TGLS = 2-3+4+5]		
* Lymph Node, Mandibular		Atrophy	Minimal
* Lymph Node, Mesenteric		Atrophy	Moderate
* Ovary		Atrophy	Marked
	Note: One ovary is missing from block and wet tissues.		
* Pancreas		Mineralization	Mild
		Necrosis	Mild
* Skin	Subcut Tiss	Fibrosarcoma	
	[Fibrosarcoma TGLS = 1-10]		
* Spleen	Lymph Follic	Atrophy	Marked
	[Atrophy TGLS = 3-4]		

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99023-04
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: beta-Myrcene
CAS Number: 123-35-3

Date Report Requested: 10/16/2014
Time Report Requested: 05:39:05
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 370

TRT#: 8

SEX: Female

DAY ON TEST: 659

DOSE: 1.0 G/KG

DISP: Moribund Sacrifice

HISTO: 0401240

ORGAN AND ACCOUNTABLE SITE STATUS

* Thymus

Atrophy

Marked

PRIMARY CAUSE OF DEATH

- Liver Vacuolization Cytoplasmic

CONTRIBUTORY CAUSE OF DEATH

- Skin Subcut Tiss Fibrosarcoma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99023-04
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: beta-Myrcene
CAS Number: 123-35-3

Date Report Requested: 10/16/2014
Time Report Requested: 05:39:05
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 371

TRT#: 8

SEX: Female

DAY ON TEST: 468

DOSE: 1.0 G/KG

DISP: Moribund Sacrifice

HISTO: 0401241

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Brain	* Clitoral Gland
* Esophagus	* Eye	* Gallbladder	* Harderian Gland
* Heart	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Lung	* Mammary Gland	* Pancreas	* Parathyroid Gland
* Pituitary Gland	* Salivary Glands	* Skin	* Stomach, Forestomach
* Stomach, Glandular	* Thyroid Gland	* Trachea	* Urinary Bladder
* Uterus			

OBSERVATIONS

* Adrenal Cortex	Subcapsular	Hyperplasia	Mild
* Bone Marrow		Atrophy	Moderate
* Kidney		Nephropathy	Minimal
* Liver		Fatty Change	Minimal
	Hepatocyte	Hypertrophy	Moderate
		Vacuolization Cytoplasmic	Marked
[Vacuolization Cytoplasmic TGLS = 2-3+4+5]			
* Lymph Node, Mandibular		Atrophy	Minimal
* Lymph Node, Mesenteric		Atrophy	Marked
* Nose	Olfactory Epi	Degeneration	Minimal
* Ovary		Atrophy	Moderate
* Spleen	Lymph Follic	Atrophy	Moderate
[Atrophy TGLS = 1-4]			
* Thymus		Atrophy	Marked

PRIMARY CAUSE OF DEATH - Liver Vacuolization Cytoplasmic

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99023-04
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: beta-Myrcene
CAS Number: 123-35-3

Date Report Requested: 10/16/2014
Time Report Requested: 05:39:05
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 372

TRT#: 8

SEX: Female

DAY ON TEST: 728

DOSE: 1.0 G/KG

DISP: Terminal Sacrifice

HISTO: 0401242

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Bone Marrow	* Brain
* Clitoral Gland	* Esophagus	* Eye	* Gallbladder
* Harderian Gland	* Heart	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Kidney	* Lymph Node, Mandibular	* Mammary Gland
* Nose	* Parathyroid Gland	* Pituitary Gland	* Salivary Glands
* Skin	* Stomach, Glandular	* Thyroid Gland	* Trachea

MISSING

* Ovary

OBSERVATIONS

* Adrenal Cortex	Subcapsular	Hyperplasia	Mild
* Liver		Eosinophilic Focus	
		Hepatocellular Carcinoma	
	Hepatocyte	Hypertrophy	Minimal
		Inflammation	Chronic Active, Minimal
[Hepatocellular Carcinoma TGLS = 1-10]			
* Lung	Alveolar Epith	Hyperplasia	Moderate
* Lymph Node, Mesenteric		Atrophy	Marked
* Pancreas		Atrophy	Marked
* Spleen		Hematopoietic Cell Proliferation	Mild
* Stomach, Forestomach	Epithelium	Hyperplasia	Minimal
* Thymus		Atrophy	Minimal
* Urinary Bladder		Infiltration Cellular	Lymphocyte, Moderate
* Uterus	Endometrium	Hyperplasia	Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99023-04
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: beta-Myrcene
CAS Number: 123-35-3

Date Report Requested: 10/16/2014
Time Report Requested: 05:39:05
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 373	TRT#: 8	SEX: Female	DAY ON TEST: 715
	DOSE: 1.0 G/KG	DISP: Natural Death	HISTO: 0401243

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Brain	* Clitoral Gland
* Esophagus	* Eye	* Gallbladder	* Harderian Gland
* Intestine Large, Cecum	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Islets, Pancreatic	* Lymph Node, Mandibular	* Mammary Gland	* Nose
* Pancreas	* Pituitary Gland	* Salivary Glands	* Skin
* Stomach, Glandular	* Thyroid Gland	* Trachea	* Urinary Bladder
* Uterus			

MISSING

* Parathyroid Gland

AUTO PRECLUDES DIAG.

* Intestine Large, Colon	* Intestine Small, Jejunum
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OBSERVATIONS

* Adrenal Cortex	Subcapsular	Hyperplasia	Mild
* Bone Marrow		Histiocytic Sarcoma	
* Eye			
Note: Optic nerves were not present in block or wet tissues.			
* Heart		Fibrosis	Moderate
		Mineralization	Mild
Note: The fibrosis was considered secondary to histiocytic sarcoma tumor thrombi.			
* Kidney		Accumulation, Hyaline Droplet	Moderate
		Histiocytic Sarcoma	
		Nephropathy	Minimal
* Liver		Histiocytic Sarcoma	
		Necrosis	Mild
[Histiocytic Sarcoma TGLS = 2-3+4+5]			
* Lung		Histiocytic Sarcoma	
* Lymph Node, Mesenteric		Atrophy	Mild
		Histiocytic Sarcoma	
* Ovary		Thrombosis	Marked
Note: One ovary was missing from the block and wet tissues.			

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99023-04
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: beta-Myrcene
CAS Number: 123-35-3

Date Report Requested: 10/16/2014
Time Report Requested: 05:39:05
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 373	TRT#: 8	SEX: Female	DAY ON TEST: 715
	DOSE: 1.0 G/KG	DISP: Natural Death	HISTO: 0401243

ORGAN AND ACCOUNTABLE SITE STATUS

[Thrombosis TGLS = 1-7]			
* Spleen	Lymph Follic	Atrophy Hematopoietic Cell Proliferation Histiocytic Sarcoma	Mild Moderate
* Stomach, Forestomach	Epithelium	Hyperplasia Inflammation	Minimal Minimal
* Thymus		Atrophy	Marked

PRIMARY CAUSE OF DEATH	- Liver Histiocytic Sarcoma
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* PROTOCOL REQUIRED TISSUE

Experiment Number: 99023-04
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: beta-Myrcene
CAS Number: 123-35-3

Date Report Requested: 10/16/2014
Time Report Requested: 05:39:05
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 374

TRT#: 8

SEX: Female

DAY ON TEST: 466

DOSE: 1.0 G/KG

DISP: Natural Death

HISTO: 0401244

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Brain	* Clitoral Gland
* Esophagus	* Gallbladder	* Heart	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Kidney	* Lung
* Mammary Gland	* Pancreas	* Parathyroid Gland	* Pituitary Gland
* Salivary Glands	* Skin	* Stomach, Glandular	* Thyroid Gland
* Trachea	* Urinary Bladder	* Uterus	

MISSING

* Eye	* Harderian Gland
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OBSERVATIONS

* Adrenal Cortex	Subcapsular	Hyperplasia	Moderate
* Bone Marrow		Atrophy	Moderate
* Clitoral GI			
Note: One clitoral gland was missing from block and wet tissues.			
* Eye			
Note: Cannibalized.			
* Harderian GI			
Note: Cannibalized.			
* Kidney			
Note: Pallor (TGL-2) was due to autolysis.			
* Liver		Eosinophilic Focus	
		Fatty Change	Minimal
	Hepatocyte	Hypertrophy	Moderate
		Vacuolization Cytoplasmic	Moderate
[Vacuolization Cytoplasmic TGLS = 1-3+4+5]			
* Lymph Node, Mandibular		Atrophy	Mild
* Lymph Node, Mesenteric		Atrophy	Marked
* Nose	Olfactory Epi	Degeneration	Minimal
* Ovary		Atrophy	Moderate
* Spleen	Lymph Follic	Atrophy	Marked

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99023-04
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: beta-Myrcene
CAS Number: 123-35-3

Date Report Requested: 10/16/2014
Time Report Requested: 05:39:05
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 374	TRT#: 8	SEX: Female	DAY ON TEST: 466
	DOSE: 1.0 G/KG	DISP: Natural Death	HISTO: 0401244

ORGAN AND ACCOUNTABLE SITE STATUS

* Stomach, Forestomach	Epithelium	Hyperplasia	Minimal
		Inflammation	Minimal
		Ulcer	Minimal
* Thymus		Atrophy	Marked

PRIMARY CAUSE OF DEATH - Liver Vacuolization Cytoplasmic

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99023-04

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: beta-Myrcene

CAS Number: 123-35-3

Date Report Requested: 10/16/2014

Time Report Requested: 05:39:05

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 375

TRT#: 8

SEX: Female

DAY ON TEST: 370

DOSE: 1.0 G/KG

DISP: Natural Death

HISTO: 0401245

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Brain	* Clitoral Gland
* Esophagus	* Eye	* Gallbladder	* Harderian Gland
* Heart	* Intestine Large, Rectum	* Kidney	* Mammary Gland
* Parathyroid Gland	* Pituitary Gland	* Salivary Glands	* Skin
* Thyroid Gland	* Trachea	* Uterus	

MISSING

* Thymus

AUTO PRECLUDES DIAG.

* Intestine Large, Cecum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Lymph Node, Mesenteric	* Pancreas	* Stomach, Forestomach
* Stomach, Glandular	* Urinary Bladder		

OBSERVATIONS

* Adrenal Cortex	Subcapsular	Hyperplasia	Mild
* Bone Marrow		Atrophy	Moderate
* Intestine Large, Colon		Parasite Metazoan	Minimal
* Liver		Fatty Change	Moderate
	Hepatocyte	Hypertrophy	Mild
		Vacuolization Cytoplasmic	Mild
* Lung	Serosa	Inflammation	Suppurative, Mild
* Lymph Node, Mandibular		Atrophy	Moderate
* Nose	Olfactory Epi	Degeneration	Mild
* Ovary		Atrophy	Marked
* Pituitary Gl			
Note: TGL-1, enlarged pituitary, had no corresponding lesion.			
* Spleen	Lymph Follic	Atrophy	Marked

PRIMARY CAUSE OF DEATH

- Liver Vacuolization Cytoplasmic

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99023-04
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: beta-Myrcene
CAS Number: 123-35-3

Date Report Requested: 10/16/2014
Time Report Requested: 05:39:05
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 376

TRT#: 8

SEX: Female

DAY ON TEST: 439

DOSE: 1.0 G/KG

DISP: Natural Death

HISTO: 0401246

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Brain	* Clitoral Gland
* Esophagus	* Eye	* Gallbladder	* Harderian Gland
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Islets, Pancreatic	* Lung	* Lymph Node, Mandibular
* Lymph Node, Mesenteric	* Mammary Gland	* Nose	* Ovary
* Pancreas	* Parathyroid Gland	* Pituitary Gland	* Salivary Glands
* Skin	* Stomach, Glandular	* Thyroid Gland	* Trachea
* Urinary Bladder			

AUTO PRECLUDES DIAG.

* Intestine Small, Jejunum

OBSERVATIONS

* Adrenal Cortex	Subcapsular	Hyperplasia	Mild
* Bone Marrow		Atrophy	Moderate
* Heart		Mineralization	Minimal
* Kidney		Nephropathy	Minimal
Note: TGL-2 had no corresponding lesions.			
* Liver	Hepatocyte	Hypertrophy	Marked
		Necrosis	Mild
		Vacuolization Cytoplasmic	Marked
[Vacuolization Cytoplasmic TGLS = 1-3+4+5+10]			
* Ovary			
Note: One ovary is not present in section.			
* Spleen	Lymph Follic	Atrophy	Marked
		Pigmentation	Hemosiderin, Mild
[Atrophy TGLS = 3-4]			
* Stomach, Forestomach		Inflammation	Minimal
		Necrosis	Minimal
* Thymus		Atrophy	Marked
* Uterus	Endometrium	Hyperplasia	Mild

PRIMARY CAUSE OF DEATH - Liver Vacuolization Cytoplasmic

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99023-04
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: beta-Myrcene
CAS Number: 123-35-3

Date Report Requested: 10/16/2014
Time Report Requested: 05:39:05
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 376

TRT#: 8

SEX: Female

DAY ON TEST: 439

DOSE: 1.0 G/KG

DISP: Natural Death

HISTO: 0401246

ORGAN AND ACCOUNTABLE SITE STATUS

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99023-04
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: beta-Myrcene
CAS Number: 123-35-3

Date Report Requested: 10/16/2014
Time Report Requested: 05:39:05
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 377

TRT#: 8

SEX: Female

DAY ON TEST: 387

DOSE: 1.0 G/KG

DISP: Natural Death

HISTO: 0401247

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Brain	* Clitoral Gland
* Esophagus	* Eye	* Gallbladder	* Harderian Gland
* Heart	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Lung	* Mammary Gland	* Nose	* Pancreas
* Parathyroid Gland	* Pituitary Gland	* Salivary Glands	* Skin
* Stomach, Forestomach	* Stomach, Glandular	* Thyroid Gland	* Trachea
* Urinary Bladder	* Uterus		

OBSERVATIONS

* Adrenal Cortex	Subcapsular	Hyperplasia	Moderate
* Bone Marrow		Atrophy	Mild
* Kidney	Renal Tubule	Necrosis	Moderate
* Liver		Vacuolization Cytoplasmic	Moderate
* Lymph Node, Mandibular		Atrophy	Mild
* Lymph Node, Mesenteric		Atrophy	Mild
* Ovary		Atrophy	Mild
* Spleen	Lymph Follic	Atrophy	Marked
		Pigmentation	Hemosiderin, Mild
* Thymus		Atrophy	Marked

PRIMARY CAUSE OF DEATH

- Kidney Renal Tubule Necrosis

CONTRIBUTORY CAUSE OF DEATH

- Liver Vacuolization Cytoplasmic

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99023-04
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: beta-Myrcene
CAS Number: 123-35-3

Date Report Requested: 10/16/2014
Time Report Requested: 05:39:05
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 378

TRT#: 8

SEX: Female

DAY ON TEST: 436

DOSE: 1.0 G/KG

DISP: Natural Death

HISTO: 0401248

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Brain	* Clitoral Gland
* Esophagus	* Eye	* Gallbladder	* Heart
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Islets, Pancreatic	* Lung	* Mammary Gland	* Nose
* Pancreas	* Pituitary Gland	* Salivary Glands	* Skin
* Stomach, Forestomach	* Stomach, Glandular	* Thyroid Gland	* Trachea
* Urinary Bladder			

MISSING

* Parathyroid Gland

AUTO PRECLUDES DIAG.

* Intestine Small, Ileum * Intestine Small, Jejunum

OBSERVATIONS

* Adrenal Cortex	Subcapsular	Hyperplasia	Moderate
* Bone Marrow		Atrophy	Mild
* Harderian Gland		Adenoma	
* Kidney	Renal Tubule	Necrosis	Moderate
[Necrosis TGLS = 2-4]			
* Liver	Hepatocyte	Hypertrophy	Mild
[Vacuolization Cytoplasmic TGLS = 3-3+4+5]		Vacuolization Cytoplasmic	Mild
* Lymph Node, Mandibular		Atrophy	Moderate
* Lymph Node, Mesenteric		Atrophy	Moderate
* Ovary		Atrophy	Mild
* Spleen	Lymph Follic	Atrophy	Moderate
[Atrophy TGLS = 1-4]		Pigmentation	Hemosiderin, Minimal
* Thymus		Atrophy	Moderate
* Uterus	Endometrium	Hyperplasia	Minimal

PRIMARY CAUSE OF DEATH - Kidney Renal Tubule Necrosis

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99023-04
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: beta-Myrcene
CAS Number: 123-35-3

Date Report Requested: 10/16/2014
Time Report Requested: 05:39:05
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 379

TRT#: 8

SEX: Female

DAY ON TEST: 435

DOSE: 1.0 G/KG

DISP: Natural Death

HISTO: 0401249

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Brain	* Clitoral Gland
* Esophagus	* Eye	* Gallbladder	* Harderian Gland
* Heart	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Lung	* Mammary Gland	* Nose	* Pancreas
* Parathyroid Gland	* Pituitary Gland	* Salivary Glands	* Skin
* Stomach, Forestomach	* Stomach, Glandular	* Thyroid Gland	* Trachea
* Urinary Bladder			

OBSERVATIONS

* Adrenal Cortex	Subcapsular	Hyperplasia	Mild
* Bone Marrow		Atrophy	Moderate
* Kidney	Papilla	Inflammation	Minimal
	Renal Tubule	Necrosis	Mild
* Liver		Fatty Change	Minimal
	Hepatocyte	Hepatocellular Adenoma	
		Hypertrophy	Mild
		Vacuolization Cytoplasmic	Mild
	[Hepatocellular Adenoma TGLS = 1-10]		
* Lymph Node, Mandibular		Atrophy	Minimal
* Lymph Node, Mesenteric		Atrophy	Marked
* Ovary		Atrophy	Minimal
* Spleen	Lymph Follic	Atrophy	Moderate
		Pigmentation	Hemosiderin, Minimal
* Thymus		Atrophy	Marked
* Uterus	Endometrium	Hyperplasia	Mild

PRIMARY CAUSE OF DEATH - Kidney Renal Tubule Necrosis

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99023-04
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: beta-Myrcene
CAS Number: 123-35-3

Date Report Requested: 10/16/2014
Time Report Requested: 05:39:05
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 380

TRT#: 8

SEX: Female

DAY ON TEST: 436

DOSE: 1.0 G/KG

DISP: Moribund Sacrifice

HISTO: 0401250

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Brain	* Clitoral Gland
* Esophagus	* Eye	* Gallbladder	* Harderian Gland
* Heart	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Lung	* Mammary Gland	* Pancreas	* Parathyroid Gland
* Pituitary Gland	* Salivary Glands	* Skin	* Stomach, Glandular
* Thyroid Gland	* Trachea	* Urinary Bladder	

OBSERVATIONS

* Adrenal Cortex	Subcapsular	Hyperplasia	Moderate
* Bone Marrow		Atrophy	Mild
* Kidney		Mineralization	Minimal
Note: TGL-2 had no corresponding lesion.			
* Liver	Hepatocyte	Hypertrophy	Moderate
		Vacuolization Cytoplasmic	Marked
[Vacuolization Cytoplasmic TGLS = 3-3+4+5]			
* Lymph Node, Mandibular		Atrophy	Mild
* Lymph Node, Mesenteric		Atrophy	Moderate
* Nose	Olfactory Epi	Degeneration	Minimal
* Ovary		Atrophy	Minimal
* Spleen	Lymph Follic	Atrophy	Marked
[Atrophy TGLS = 1-4]			
* Stomach, Forestomach	Epithelium	Hyperplasia	Minimal
		Inflammation	Mild
		Ulcer	Mild
* Thymus		Atrophy	Marked
* Uterus	Endometrium	Hyperplasia	Minimal

PRIMARY CAUSE OF DEATH

- Liver Vacuolization Cytoplasmic

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99023-04
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: beta-Myrcene
CAS Number: 123-35-3

Date Report Requested: 10/16/2014
Time Report Requested: 05:39:05
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 381

TRT#: 8

SEX: Female

DAY ON TEST: 436

DOSE: 1.0 G/KG

DISP: Natural Death

HISTO: 0401251

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Brain	* Clitoral Gland
* Esophagus	* Eye	* Gallbladder	* Harderian Gland
* Heart	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Mammary Gland	* Nose	* Pancreas	* Parathyroid Gland
* Pituitary Gland	* Salivary Glands	* Skin	* Stomach, Glandular
* Thyroid Gland	* Trachea	* Urinary Bladder	

MISSING

* Lymph Node, Mesenteric

OBSERVATIONS

* Adrenal Cortex	Subcapsular	Hyperplasia	Mild
* Bone Marrow		Atrophy	Mild
* Kidney	Renal Tubule	Necrosis	Mild
[Necrosis TGLS = 2-4]			
* Liver	Hepatocyte	Hypertrophy	Mild
[Vacuolization Cytoplasmic TGLS = 1-3+4+5]		Vacuolization Cytoplasmic	Moderate
* Lung	Alveolar Epith	Hyperplasia	Minimal
	Bronchiole	Hyperplasia	Mild
* Lymph Node, Mandibular		Atrophy	Minimal
* Ovary		Atrophy	Marked
* Spleen	Lymph Follic	Atrophy	Moderate
[Atrophy TGLS = 3-4]			
* Stomach, Forestomach		Inflammation	Minimal
* Thymus		Atrophy	Marked
* Uterus	Endometrium	Hyperplasia	Minimal

PRIMARY CAUSE OF DEATH

- Kidney Renal Tubule Necrosis

CONTRIBUTORY CAUSE OF DEATH

- Liver Vacuolization Cytoplasmic

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99023-04
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: beta-Myrcene
CAS Number: 123-35-3

Date Report Requested: 10/16/2014
Time Report Requested: 05:39:05
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 382

TRT#: 8

SEX: Female

DAY ON TEST: 435

DOSE: 1.0 G/KG

DISP: Natural Death

HISTO: 0401252

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Brain	* Clitoral Gland
* Esophagus	* Eye	* Gallbladder	* Harderian Gland
* Heart	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Lung	* Lymph Node, Mandibular	* Mammary Gland	* Nose
* Pancreas	* Parathyroid Gland	* Pituitary Gland	* Salivary Glands
* Skin	* Stomach, Glandular	* Thyroid Gland	* Trachea
* Urinary Bladder	* Uterus		

OBSERVATIONS

* Adrenal Cortex	Subcapsular	Hyperplasia	Mild
* Bone Marrow		Atrophy	Moderate
* Kidney	Renal Tubule	Mineralization	Minimal
		Necrosis	Mild
[Necrosis TGLS = 3-4]			
* Liver	Hepatocyte	Hypertrophy	Mild
		Vacuolization Cytoplasmic	Mild
[Vacuolization Cytoplasmic TGLS = 1-3+4+5]			
* Lymph Node, Mesenteric		Atrophy	Mild
* Ovary		Atrophy	Minimal
* Spleen	Lymph Follic	Atrophy	Moderate
[Atrophy TGLS = 2-4]			
* Stomach, Forestomach	Epithelium	Hyperplasia	Mild
* Thymus		Atrophy	Marked

PRIMARY CAUSE OF DEATH

- Kidney Renal Tubule Necrosis

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99023-04
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: beta-Myrcene
CAS Number: 123-35-3

Date Report Requested: 10/16/2014
Time Report Requested: 05:39:05
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 383

TRT#: 8

SEX: Female

DAY ON TEST: 436

DOSE: 1.0 G/KG

DISP: Moribund Sacrifice

HISTO: 0401253

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Brain	* Clitoral Gland
* Esophagus	* Eye	* Gallbladder	* Harderian Gland
* Heart	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Lung	* Mammary Gland	* Nose	* Ovary
* Pancreas	* Parathyroid Gland	* Pituitary Gland	* Salivary Glands
* Skin	* Stomach, Glandular	* Thyroid Gland	* Trachea
* Urinary Bladder	* Uterus		

MISSING

* Lymph Node, Mesenteric

OBSERVATIONS

* Adrenal Cortex	Subcapsular	Hyperplasia	Mild
* Bone Marrow		Atrophy	Minimal
* Kidney	Renal Tubule	Mineralization	Minimal
		Necrosis	Mild
[Necrosis TGLS = 1-4]			
* Liver	Hepatocyte	Hypertrophy	Mild
		Tension Lipidosis	Minimal
		Vacuolization Cytoplasmic	Moderate
[Vacuolization Cytoplasmic TGLS = 3-3+4+5]			
* Lymph Node, Mandibular		Atrophy	Minimal
* Spleen	Lymph Follic	Atrophy	Marked
[Atrophy TGLS = 2-4]			
* Stomach, Forestomach		Inflammation	Mild
		Ulcer	Mild
* Thymus		Atrophy	Marked

PRIMARY CAUSE OF DEATH

- Kidney Renal Tubule Necrosis

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99023-04
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: beta-Myrcene
CAS Number: 123-35-3

Date Report Requested: 10/16/2014
Time Report Requested: 05:39:05
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 384

TRT#: 8

SEX: Female

DAY ON TEST: 436

DOSE: 1.0 G/KG

DISP: Natural Death

HISTO: 0401254

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Bone Marrow	* Brain
* Clitoral Gland	* Esophagus	* Eye	* Gallbladder
* Harderian Gland	* Heart	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Islets, Pancreatic
* Lung	* Mammary Gland	* Nose	* Pancreas
* Parathyroid Gland	* Pituitary Gland	* Salivary Glands	* Skin
* Stomach, Glandular	* Thyroid Gland	* Trachea	* Urinary Bladder
* Uterus			

AUTO PRECLUDES DIAG.

* Intestine Small, Jejunum

OBSERVATIONS

* Adrenal Cortex	Subcapsular	Hyperplasia	Mild
* Kidney	Papilla	Inflammation	Mild
	Renal Tubule	Necrosis	Moderate
[Necrosis TGLS = 3-4]			
* Liver	Hepatocyte	Fatty Change	Mild
		Hypertrophy	Mild
		Vacuolization Cytoplasmic	Moderate
[Vacuolization Cytoplasmic TGLS = 2-3+4+5]			
* Lymph Node, Mandibular		Atrophy	Minimal
* Lymph Node, Mesenteric		Atrophy	Mild
* Ovary		Atrophy	Marked
* Spleen	Lymph Follic	Atrophy	Moderate
[Atrophy TGLS = 1-4]			
* Stomach, Forestomach		Inflammation	Minimal
		Ulcer	Minimal
* Thymus		Atrophy	Marked

PRIMARY CAUSE OF DEATH

- Kidney Renal Tubule Necrosis

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99023-04
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: beta-Myrcene
CAS Number: 123-35-3

Date Report Requested: 10/16/2014
Time Report Requested: 05:39:05
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 385

TRT#: 8

SEX: Female

DAY ON TEST: 436

DOSE: 1.0 G/KG

DISP: Natural Death

HISTO: 0401255

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Brain	* Clitoral Gland
* Esophagus	* Eye	* Gallbladder	* Harderian Gland
* Heart	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Ileum	* Islets, Pancreatic	* Kidney	* Lung
* Lymph Node, Mandibular	* Mammary Gland	* Pancreas	* Parathyroid Gland
* Pituitary Gland	* Salivary Glands	* Skin	* Stomach, Glandular
* Thyroid Gland	* Trachea	* Urinary Bladder	* Uterus

AUTO PRECLUDES DIAG.

* Intestine Small, Duodenum	* Intestine Small, Jejunum	* Stomach, Forestomach
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OBSERVATIONS

* Adrenal Cortex	Subcapsular	Hyperplasia	Mild
* Bone Marrow		Atrophy	Moderate
* Kidney			
Note: TGL-3, pale kidneys, had no corresponding lesion.			
* Liver	Hepatocyte	Fatty Change	Minimal
		Hypertrophy	Moderate
		Inflammation	Chronic Active, Minimal
		Vacuolization Cytoplasmic	Mild
[Vacuolization Cytoplasmic TGLS = 1-3+4+5]			
* Lymph Node, Mesenteric		Atrophy	Mild
* Nose	Olfactory Epi	Degeneration	Minimal
* Ovary		Atrophy	Minimal
* Spleen	Lymph Follic	Atrophy	Marked
[Atrophy TGLS = 2-4]			
* Thymus		Atrophy	Marked

PRIMARY CAUSE OF DEATH

- UNCERTAIN

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99023-04
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: beta-Myrcene
CAS Number: 123-35-3

Date Report Requested: 10/16/2014
Time Report Requested: 05:39:05
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 386

TRT#: 8

SEX: Female

DAY ON TEST: 435

DOSE: 1.0 G/KG

DISP: Natural Death

HISTO: 0401256

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Brain	* Clitoral Gland
* Esophagus	* Eye	* Gallbladder	* Harderian Gland
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Kidney
* Lung	* Mammary Gland	* Nose	* Ovary
* Pancreas	* Parathyroid Gland	* Pituitary Gland	* Salivary Glands
* Skin	* Stomach, Glandular	* Thyroid Gland	* Trachea
* Urinary Bladder	* Uterus		

OBSERVATIONS

* Adrenal Cortex	Subcapsular	Hyperplasia	Mild
* Bone Marrow		Atrophy	Moderate
* Heart		Cardiomyopathy	Minimal
* Kidney			
Note: TGL-3 had no corresponding lesions.			
* Liver	Hepatocyte	Fatty Change	Minimal
		Hypertrophy	Moderate
		Vacuolization Cytoplasmic	Mild
[Vacuolization Cytoplasmic TGLS = 1-3+4+5]			
* Lymph Node, Mandibular		Atrophy	Minimal
* Lymph Node, Mesenteric		Atrophy	Moderate
* Spleen	Lymph Follic	Atrophy	Moderate
[Atrophy TGLS = 2-4]			
* Stomach, Forestomach	Epithelium	Hyperplasia	Minimal
		Inflammation	Mild
* Thymus		Atrophy	Marked

PRIMARY CAUSE OF DEATH - Liver Vacuolization Cytoplasmic

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99023-04
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: beta-Myrcene
CAS Number: 123-35-3

Date Report Requested: 10/16/2014
Time Report Requested: 05:39:05
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 387	TRT#: 8	SEX: Female	DAY ON TEST: 376
	DOSE: 1.0 G/KG	DISP: Natural Death	HISTO: 0401257

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Brain	* Clitoral Gland
* Esophagus	* Eye	* Gallbladder	* Harderian Gland
* Heart	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Lung	* Mammary Gland	* Pancreas	* Parathyroid Gland
* Pituitary Gland	* Salivary Glands	* Skin	* Stomach, Glandular
* Thyroid Gland	* Trachea	* Urinary Bladder	* Uterus

MISSING

* Lymph Node, Mandibular

AUTO PRECLUDES DIAG.

* Lymph Node, Mesenteric

OBSERVATIONS

* Adrenal Cortex	Subcapsular	Hyperplasia	Moderate
* Bone Marrow		Atrophy	Moderate
* Kidney	Renal Tubule	Necrosis	Minimal
* Liver	Hepatocyte	Hypertrophy	Mild
		Tension Lipidosis	Moderate
		Vacuolization Cytoplasmic	Moderate
* Nose	Olfactory Epi	Degeneration	Minimal
* Ovary		Atrophy	Moderate
* Spleen	Lymph Follic	Atrophy	Marked
		Pigmentation	Hemosiderin, Minimal
* Stomach, Forestomach	Epithelium	Hyperplasia	Minimal
* Thymus		Atrophy	Marked

PRIMARY CAUSE OF DEATH - Liver Vacuolization Cytoplasmic

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99023-04
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: beta-Myrcene
CAS Number: 123-35-3

Date Report Requested: 10/16/2014
Time Report Requested: 05:39:05
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 388

TRT#: 8

SEX: Female

DAY ON TEST: 436

DOSE: 1.0 G/KG

DISP: Natural Death

HISTO: 0401258

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Brain	* Clitoral Gland
* Esophagus	* Eye	* Gallbladder	* Harderian Gland
* Heart	* Intestine Large, Cecum	* Intestine Large, Rectum	* Intestine Small, Ileum
* Islets, Pancreatic	* Lung	* Mammary Gland	* Nose
* Pancreas	* Parathyroid Gland	* Pituitary Gland	* Salivary Glands
* Skin	* Stomach, Glandular	* Thyroid Gland	* Trachea
* Urinary Bladder	* Uterus		

AUTO PRECLUDES DIAG.

* Intestine Large, Colon	* Intestine Small, Duodenum	* Intestine Small, Jejunum
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OBSERVATIONS

* Adrenal Cortex	Subcapsular	Hyperplasia	Mild
* Bone Marrow		Atrophy	Mild
* Eye			
Note: Optic nerves were missing from block and wet tissues.			
* Kidney	Renal Tubule	Necrosis	Mild
[Necrosis TGLS = 2-4]			
* Liver	Hepatocyte	Hypertrophy	Mild
		Vacuolization Cytoplasmic	Moderate
[Vacuolization Cytoplasmic TGLS = 1-3+4+5]			
* Lymph Node, Mandibular		Atrophy	Mild
* Lymph Node, Mesenteric		Atrophy	Minimal
* Ovary		Atrophy	Marked
		Hyperplasia	Tubular, Minimal
* Spleen	Lymph Follic	Atrophy	Marked
[Atrophy TGLS = 3-4]			
* Stomach, Forestomach		Inflammation	Mild
* Thymus		Atrophy	Marked

PRIMARY CAUSE OF DEATH - Kidney Renal Tubule Necrosis

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99023-04
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: beta-Myrcene
CAS Number: 123-35-3

Date Report Requested: 10/16/2014
Time Report Requested: 05:39:05
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 389

TRT#: 8

SEX: Female

DAY ON TEST: 728

DOSE: 1.0 G/KG

DISP: Terminal Sacrifice

HISTO: 0401259

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Brain	* Clitoral Gland
* Esophagus	* Eye	* Gallbladder	* Harderian Gland
* Heart	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Kidney	* Lung	* Lymph Node, Mandibular	* Lymph Node, Mesenteric
* Mammary Gland	* Nose	* Pancreas	* Parathyroid Gland
* Pituitary Gland	* Salivary Glands	* Skin	* Spleen
* Stomach, Glandular	* Thymus	* Thyroid Gland	* Trachea
* Urinary Bladder	* Uterus		

OBSERVATIONS

* Adrenal Cortex	Subcapsular	Hyperplasia	Moderate
* Bone Marrow		Myelofibrosis	Mild
* Liver		Fatty Change	Minimal
	Hepatocyte	Hypertrophy	Mild
		Inflammation	Chronic Active, Minimal
* Ovary		Atrophy	Marked
* Stomach, Forestomach	Epithelium	Hyperplasia	Mild
		Inflammation	Mild
		Ulcer	Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99023-04
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: beta-Myrcene
CAS Number: 123-35-3

Date Report Requested: 10/16/2014
Time Report Requested: 05:39:05
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 390

TRT#: 8

SEX: Female

DAY ON TEST: 728

DOSE: 1.0 G/KG

DISP: Terminal Sacrifice

HISTO: 0401260

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Brain	* Clitoral Gland
* Esophagus	* Eye	* Gallbladder	* Harderian Gland
* Heart	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Mammary Gland	* Nose
* Pancreas	* Parathyroid Gland	* Pituitary Gland	* Salivary Glands
* Skin	* Stomach, Glandular	* Thymus	* Thyroid Gland
* Trachea	* Urinary Bladder		

OBSERVATIONS

* Adrenal Cortex	Subcapsular	Hyperplasia	Moderate
* Bone Marrow		Myelofibrosis	Minimal
* Kidney		Mineralization	Minimal
* Liver	Hepatocyte	Hypertrophy	Minimal
		Necrosis	Minimal
* Lung		Alveolar/Bronchiolar Adenoma	Multiple
		[Alveolar/Bronchiolar Adenoma TGLS = 3, 4-3+11]	
* Ovary	Rete Ovarii	Cyst	Marked
		[Cyst TGLS = 1-10]	
* Spleen		Pigmentation	Hemosiderin, Minimal
* Stomach, Forestomach	Epithelium	Hyperplasia	Moderate
		Inflammation	Mild
		Squamous Cell Papilloma	
		[Squamous Cell Papilloma TGLS = 5-11]	
* Uterus	Endometrium	Hyperplasia	Moderate
		[Hyperplasia TGLS = 2-7]	

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99023-04
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: beta-Myrcene
CAS Number: 123-35-3

Date Report Requested: 10/16/2014
Time Report Requested: 05:39:05
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 391

TRT#: 8

SEX: Female

DAY ON TEST: 436

DOSE: 1.0 G/KG

DISP: Moribund Sacrifice

HISTO: 0401261

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Brain	* Clitoral Gland
* Esophagus	* Eye	* Gallbladder	* Harderian Gland
* Heart	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Kidney	* Lung	* Lymph Node, Mandibular	* Mammary Gland
* Pancreas	* Parathyroid Gland	* Pituitary Gland	* Salivary Glands
* Skin	* Thyroid Gland	* Trachea	* Urinary Bladder
* Uterus			

OBSERVATIONS

* Adrenal Cortex	Subcapsular	Hyperplasia	Mild
* Bone Marrow		Atrophy	Moderate
* Kidney			
Note: TGL-3 had no corresponding lesions.			
* Liver	Hepatocyte	Hypertrophy Vacuolization Cytoplasmic	Moderate Moderate
[Vacuolization Cytoplasmic TGLS = 2-3+4+5]			
* Lymph Node, Mesenteric		Atrophy	Moderate
* Nose	Olfactory Epi	Degeneration	Minimal
* Ovary		Atrophy	Marked
* Spleen	Lymph Follic	Atrophy Pigmentation	Marked Hemosiderin, Minimal
[Atrophy TGLS = 1-4]			
* Stomach, Forestomach	Epithelium	Hyperplasia Inflammation Necrosis	Minimal Minimal Minimal
* Stomach, Glandular		Inflammation Necrosis	Minimal Minimal
* Thymus		Atrophy	Marked

PRIMARY CAUSE OF DEATH - Liver Vacuolization Cytoplasmic

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99023-04
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: beta-Myrcene
CAS Number: 123-35-3

Date Report Requested: 10/16/2014
Time Report Requested: 05:39:05
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 392

TRT#: 8

SEX: Female

DAY ON TEST: 729

DOSE: 1.0 G/KG

DISP: Terminal Sacrifice

HISTO: 0401262

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Bone Marrow	* Brain
* Clitoral Gland	* Esophagus	* Eye	* Gallbladder
* Harderian Gland	* Heart	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Lung	* Lymph Node, Mandibular	* Mammary Gland
* Nose	* Pancreas	* Parathyroid Gland	* Pituitary Gland
* Salivary Glands	* Skin	* Stomach, Glandular	* Thymus
* Trachea	* Urinary Bladder		

OBSERVATIONS

* Adrenal Cortex	Subcapsular	Hyperplasia	Marked
* Kidney		Nephropathy	Minimal
* Liver		Eosinophilic Focus	
		Fatty Change	Minimal
		Hepatocellular Adenoma	
	Hepatocyte	Hypertrophy	Minimal
[Hepatocellular Adenoma TGLS = 1-10]			
* Lymph Node, Mesenteric		Atrophy	Minimal
* Ovary		Atrophy	Marked
* Spleen		Hematopoietic Cell Proliferation	Minimal
* Stomach, Forestomach	Epithelium	Hyperplasia	Mild
* Thyroid Gland	Follicle	Cyst	Mild
* Uterus	Endometrium	Hyperplasia	Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99023-04
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: beta-Myrcene
CAS Number: 123-35-3

Date Report Requested: 10/16/2014
Time Report Requested: 05:39:05
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 393

TRT#: 8

SEX: Female

DAY ON TEST: 435

DOSE: 1.0 G/KG

DISP: Natural Death

HISTO: 0401263

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Brain	* Esophagus
* Eye	* Gallbladder	* Harderian Gland	* Heart
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Lung
* Lymph Node, Mandibular	* Mammary Gland	* Nose	* Pancreas
* Parathyroid Gland	* Pituitary Gland	* Salivary Glands	* Skin
* Stomach, Forestomach	* Stomach, Glandular	* Thyroid Gland	* Trachea
* Urinary Bladder	* Uterus		

MISSING

* Clitoral Gland

OBSERVATIONS

* Adrenal Cortex	Subcapsular	Hyperplasia	Mild
* Bone Marrow		Atrophy	Moderate
* Kidney	Renal Tubule	Necrosis	Mild
[Necrosis TGLS = 3-4]			
* Liver	Hepatocyte	Hypertrophy	Mild
[Vacuolization Cytoplasmic TGLS = 1-3+4+5]		Vacuolization Cytoplasmic	Moderate
* Lymph Node, Mesenteric		Atrophy	Minimal
* Ovary		Atrophy	Moderate
* Spleen	Lymph Follic	Atrophy	Marked
[Atrophy TGLS = 2-4]			
* Thymus		Atrophy	Marked

PRIMARY CAUSE OF DEATH

- Kidney Renal Tubule Necrosis

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99023-04
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: beta-Myrcene
CAS Number: 123-35-3

Date Report Requested: 10/16/2014
Time Report Requested: 05:39:05
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 394

TRT#: 8

SEX: Female

DAY ON TEST: 435

DOSE: 1.0 G/KG

DISP: Natural Death

HISTO: 0401264

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Brain	* Clitoral Gland
* Esophagus	* Eye	* Gallbladder	* Harderian Gland
* Heart	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Lymph Node, Mandibular	* Mammary Gland	* Nose	* Pancreas
* Parathyroid Gland	* Pituitary Gland	* Salivary Glands	* Skin
* Stomach, Glandular	* Thyroid Gland	* Trachea	* Urinary Bladder
* Uterus			

OBSERVATIONS

* Adrenal Cortex	Subcapsular	Hyperplasia	Mild
* Bone Marrow		Atrophy	Moderate
* Kidney		Mineralization	Minimal
* Liver	Hepatocyte	Hypertrophy	Mild
		Vacuolization Cytoplasmic	Moderate
[Vacuolization Cytoplasmic TGLS = 1-3+4+5]			
* Lung	Alveolar Epith	Hyperplasia	Mild
[Hyperplasia TGLS = 4-10]			
* Lymph Node, Mesenteric		Atrophy	Mild
* Ovary		Atrophy	Mild
* Spleen	Lymph Follic	Atrophy	Marked
		Pigmentation	Hemosiderin, Minimal
[Atrophy TGLS = 2-4]			
* Stomach, Forestomach	Epithelium	Hyperplasia	Minimal
		Inflammation	Minimal
		Ulcer	Mild
* Thymus		Atrophy	Marked

PRIMARY CAUSE OF DEATH

- Liver Vacuolization Cytoplasmic

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99023-04
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: beta-Myrcene
CAS Number: 123-35-3

Date Report Requested: 10/16/2014
Time Report Requested: 05:39:05
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 395

TRT#: 8

SEX: Female

DAY ON TEST: 435

DOSE: 1.0 G/KG

DISP: Natural Death

HISTO: 0401265

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Brain	* Clitoral Gland
* Esophagus	* Eye	* Gallbladder	* Harderian Gland
* Heart	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Lymph Node, Mandibular	* Mammary Gland	* Pancreas	* Parathyroid Gland
* Pituitary Gland	* Salivary Glands	* Skin	* Stomach, Glandular
* Thyroid Gland	* Trachea	* Urinary Bladder	* Uterus

OBSERVATIONS

* Adrenal Cortex	Subcapsular	Hyperplasia	Mild
* Bone Marrow		Atrophy	Moderate
* Kidney	Renal Tubule	Necrosis	Mild
[Necrosis TGLS = 3-4]			
* Liver	Hepatocyte	Fatty Change	Minimal
		Hypertrophy	Mild
		Mineralization	Minimal
		Vacuolization Cytoplasmic	Mild
[Vacuolization Cytoplasmic TGLS = 1-3+4+5]			
* Lung		Alveolar/Bronchiolar Adenoma	
* Lymph Node, Mesenteric		Atrophy	Minimal
* Nose	Olfactory Epi	Degeneration	Minimal
* Ovary		Atrophy	Minimal
* Spleen	Lymph Follic	Atrophy	Moderate
		Pigmentation	Hemosiderin, Minimal
[Atrophy TGLS = 2-4]			
* Stomach, Forestomach	Epithelium	Hyperplasia	Minimal
* Thymus		Atrophy	Marked

PRIMARY CAUSE OF DEATH

- Kidney Renal Tubule Necrosis

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99023-04
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: beta-Myrcene
CAS Number: 123-35-3

Date Report Requested: 10/16/2014
Time Report Requested: 05:39:05
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 396

TRT#: 8

SEX: Female

DAY ON TEST: 436

DOSE: 1.0 G/KG

DISP: Natural Death

HISTO: 0401266

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Brain	* Clitoral Gland
* Esophagus	* Eye	* Gallbladder	* Harderian Gland
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Kidney
* Lung	* Mammary Gland	* Nose	* Pancreas
* Parathyroid Gland	* Pituitary Gland	* Salivary Glands	* Skin
* Stomach, Glandular	* Thyroid Gland	* Trachea	* Urinary Bladder

MISSING

* Lymph Node, Mesenteric

OBSERVATIONS

* Adrenal Cortex	Subcapsular	Hyperplasia	Mild
* Bone Marrow		Atrophy	Moderate
* Heart		Cardiomyopathy	Minimal
* Kidney			
Note: TGL-3 had no corresponding lesions.			
* Liver	Hepatocyte	Hypertrophy	Mild
		Vacuolization Cytoplasmic	Moderate
[Vacuolization Cytoplasmic TGLS = 2-3+4+5]			
* Lymph Node, Mandibular		Atrophy	Minimal
* Ovary		Atrophy	Moderate
* Spleen	Lymph Follic	Atrophy	Marked
[Atrophy TGLS = 1-4]			
* Stomach, Forestomach	Epithelium	Hyperplasia	Minimal
		Inflammation	Minimal
		Necrosis	Mild
* Thymus		Atrophy	Marked
* Uterus		Angiectasis	Minimal

PRIMARY CAUSE OF DEATH - Liver Vacuolization Cytoplasmic

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99023-04
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: beta-Myrcene
CAS Number: 123-35-3

Date Report Requested: 10/16/2014
Time Report Requested: 05:39:05
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 397

TRT#: 8

SEX: Female

DAY ON TEST: 435

DOSE: 1.0 G/KG

DISP: Natural Death

HISTO: 0401267

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Brain	* Clitoral Gland
* Esophagus	* Eye	* Gallbladder	* Harderian Gland
* Heart	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Lung	* Lymph Node, Mandibular	* Mammary Gland	* Pancreas
* Parathyroid Gland	* Pituitary Gland	* Salivary Glands	* Skin
* Stomach, Forestomach	* Stomach, Glandular	* Thyroid Gland	* Trachea
* Urinary Bladder			

MISSING

* Lymph Node, Mesenteric

OBSERVATIONS

* Adrenal Cortex	Subcapsular	Hyperplasia	Mild
* Bone Marrow		Atrophy	Moderate
* Kidney	Renal Tubule	Necrosis	Moderate
[Necrosis TGLS = 1-4]			
* Liver	Hepatocyte	Hypertrophy	Mild
[Vacuolization Cytoplasmic TGLS = 2-3+4]		Vacuolization Cytoplasmic	Mild
* Nose	Olfactory Epi	Degeneration	Minimal
* Ovary		Atrophy	Moderate
* Spleen	Lymph Follic	Atrophy	Moderate
[Atrophy TGLS = 3-4]			
* Thymus		Atrophy	Marked
* Uterus	Endometrium	Hyperplasia	Minimal

PRIMARY CAUSE OF DEATH - Kidney Renal Tubule Necrosis

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99023-04
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: beta-Myrcene
CAS Number: 123-35-3

Date Report Requested: 10/16/2014
Time Report Requested: 05:39:05
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 398

TRT#: 8

SEX: Female

DAY ON TEST: 436

DOSE: 1.0 G/KG

DISP: Natural Death

HISTO: 0401268

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Brain	* Clitoral Gland
* Esophagus	* Eye	* Harderian Gland	* Heart
* Islets, Pancreatic	* Lung	* Lymph Node, Mandibular	* Mammary Gland
* Nose	* Pancreas	* Parathyroid Gland	* Pituitary Gland
* Salivary Glands	* Skin	* Stomach, Forestomach	* Stomach, Glandular
* Thyroid Gland	* Trachea	* Urinary Bladder	* Uterus

AUTO PRECLUDES DIAG.

* Gallbladder	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Lymph Node, Mesenteric

OBSERVATIONS

* Adrenal Cortex	Subcapsular	Hyperplasia	Mild
* Bone Marrow		Atrophy	Mild
* Kidney	Renal Tubule	Necrosis	Marked
[Necrosis TGLS = 3-4]			
* Liver	Hepatocyte	Fatty Change	Minimal
		Hypertrophy	Mild
		Vacuolization Cytoplasmic	Mild
[Vacuolization Cytoplasmic TGLS = 2-3+4+5]			
* Ovary		Atrophy	Moderate
* Spleen	Lymph Follic	Atrophy	Marked
[Atrophy TGLS = 1-4]			
* Thymus		Atrophy	Marked

PRIMARY CAUSE OF DEATH

- Kidney Renal Tubule Necrosis

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99023-04
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: beta-Myrcene
CAS Number: 123-35-3

Date Report Requested: 10/16/2014
Time Report Requested: 05:39:05
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 399

TRT#: 8

SEX: Female

DAY ON TEST: 435

DOSE: 1.0 G/KG

DISP: Natural Death

HISTO: 0401269

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Brain	* Clitoral Gland
* Esophagus	* Eye	* Gallbladder	* Harderian Gland
* Heart	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Lung	* Mammary Gland	* Nose	* Pancreas
* Parathyroid Gland	* Pituitary Gland	* Salivary Glands	* Skin
* Stomach, Glandular	* Thyroid Gland	* Trachea	* Urinary Bladder

OBSERVATIONS

* Adrenal Cortex	Subcapsular	Hyperplasia	Mild
* Bone Marrow		Atrophy	Moderate
* Kidney	Renal Tubule	Necrosis	Mild
[Necrosis TGLS = 3-4]			
* Liver	Hepatocyte	Hypertrophy	Minimal
[Vacuolization Cytoplasmic TGLS = 1-3+4+5]		Vacuolization Cytoplasmic	Mild
* Lymph Node, Mandibular		Atrophy	Minimal
* Lymph Node, Mesenteric		Atrophy	Marked
* Ovary		Atrophy	Minimal
* Spleen	Lymph Follic	Atrophy	Marked
[Atrophy TGLS = 2-4]			
* Stomach, Forestomach	Epithelium	Hyperplasia	Minimal
* Thymus		Atrophy	Marked
* Uterus	Endometrium	Hyperplasia	Minimal

PRIMARY CAUSE OF DEATH

- Kidney Renal Tubule Necrosis

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99023-04
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: beta-Myrcene
CAS Number: 123-35-3

Date Report Requested: 10/16/2014
Time Report Requested: 05:39:05
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 400 **TRT#:** 8 **SEX:** Female **DAY ON TEST:** 436
DOSE: 1.0 G/KG **DISP:** Natural Death **HISTO:** 0401270

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Brain	* Clitoral Gland
* Esophagus	* Eye	* Gallbladder	* Harderian Gland
* Heart	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Islets, Pancreatic	* Lung
* Mammary Gland	* Pancreas	* Pituitary Gland	* Salivary Glands
* Skin	* Stomach, Glandular	* Thyroid Gland	* Trachea
* Urinary Bladder			

MISSING

* Lymph Node, Mesenteric	* Parathyroid Gland
--------------------------	---------------------

AUTO PRECLUDES DIAG.

* Intestine Small, Jejunum

OBSERVATIONS

* Adrenal Cortex	Subcapsular	Hyperplasia	Mild
* Bone Marrow		Atrophy	Mild
* Kidney	Renal Tubule	Necrosis	Minimal
Note: Kidney necrosis with cytoplasmic vacuolization of adjacent renal tubular epithelium and mineralized tubular casts.			
Note: TGL-4 had no corresponding lesions.			
* Liver	Hepatocyte	Hypertrophy Vacuolization Cytoplasmic	Mild Moderate
[Vacuolization Cytoplasmic TGLS = 3-3+4+5]			
* Lymph Node, Mandibular		Atrophy	Minimal
* Nose	Olfactory Epi	Degeneration	Minimal
* Ovary		Atrophy	Moderate
* Spleen	Lymph Follic	Atrophy	Marked
[Atrophy TGLS = 2-4]			
* Stomach, Forestomach	Epithelium	Hyperplasia	Minimal
Note: Stomach Forestomach epithelial hyperplasia with hyperkeratosis.			
* Thymus		Atrophy	Marked
* Uterus	Endometrium	Hyperplasia	Moderate
[Hyperplasia TGLS = 1-7]			

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99023-04
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: beta-Myrcene
CAS Number: 123-35-3

Date Report Requested: 10/16/2014
Time Report Requested: 05:39:05
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 400

TRT#: 8

SEX: Female

DAY ON TEST: 436

DOSE: 1.0 G/KG

DISP: Natural Death

HISTO: 0401270

ORGAN AND ACCOUNTABLE SITE STATUS

PRIMARY CAUSE OF DEATH

- Liver Vacuolization Cytoplasmic

**** END OF REPORT ****