

**Experiment Number:** 93023-07  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** 2,4-Hexadienal  
**CAS Number:** 142-83-6

**Date Report Requested:** 10/20/2014  
**Time Report Requested:** 13:41:48  
**First Dose M/F:** NA / NA  
**Lab:** SRI

**C Number:** C93023B  
**Lock Date:** 02/24/2000  
**Cage Range:** All  
**Date Range:** All  
**Reasons For Removal:** All  
**Removal Date Range:** All  
**Treatment Groups:** All  
**Study Gender:** Both  
**PWG Approval Date:** 02/22/2001

**Experiment Number:** 93023-07  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** 2,4-Hexadienal  
**CAS Number:** 142-83-6

**Date Report Requested:** 10/20/2014  
**Time Report Requested:** 13:41:48  
**First Dose M/F:** NA / NA  
**Lab:** SRI

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<b>ANIMAL ID:</b> 1	<b>TRT#:</b> 1	<b>SEX:</b> Male	<b>DAY ON TEST:</b> 731
	<b>DOSE:</b> 0 MG/KG/DY	<b>DISP:</b> Terminal Sacrifice	<b>HISTO:</b> 99-87124

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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**NORMAL**

* Adrenal Cortex	* 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	* Pancreas
* Parathyroid Gland	* Pituitary Gland	* Preputial Gland	* Prostate
* Salivary Glands	* Seminal Vesicle	* Skin	* Stomach, Forestomach
* Stomach, Glandular	* Testes	* Thymus	* Thyroid Gland
* Trachea	* Urinary Bladder		

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**MISSING**

\* Mammary Gland

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**OBSERVATIONS**

* Kidney		Nephropathy	Minimal
* Liver		Hepatocellular Adenoma	
	Hepatocyte, Midzonal	Vacuolization Cytoplasmic	Moderate
	[ Hepatocellular Adenoma TGLS = 3-23 ]		
Mesentery	Fat	Necrosis	Moderate
	[ Necrosis TGLS = 1-21, 2-22 ]		
* Nose	Respirat Epith	Cytoplasmic Alteration	Moderate
* Spleen		Hyperplasia	Lymphoid, Mild

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PRIMARY CAUSE OF DEATH

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 93023-07  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** 2,4-Hexadienal  
**CAS Number:** 142-83-6

**Date Report Requested:** 10/20/2014  
**Time Report Requested:** 13:41:48  
**First Dose M/F:** NA / NA  
**Lab:** SRI

**ANIMAL ID:** 2                      **TRT#:** 1                      **SEX:** Male                      **DAY ON TEST:** 730  
**DOSE:** 0    MG/KG/DY                      **DISP:** Terminal Sacrifice                      **HISTO:** 99-87125

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

* Adrenal Medulla	Blood Vessel	* Bone	* Bone Marrow
* Brain	Coagulating Gland	Ear	* Epididymis
* Esophagus	* 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
* Prostate	* Salivary Glands	* Seminal Vesicle	* Skin
* Stomach, Forestomach	* Stomach, Glandular	* Thymus	* Thyroid Gland
* Trachea	* Urinary Bladder		

**OBSERVATIONS**

* Adrenal Cortex		Accessory Adrenal Cortical Nodule	Minimal
		Cytoplasmic Alteration	Focal, Minimal
* Gallbladder		Cyst	Minimal
* Kidney		Nephropathy	Moderate
* Liver		Infiltration Cellular	Mixed Cell, Minimal
	Hepatocyte, Midzonal	Vacuolization Cytoplasmic	Minimal
* Nose	Olfactory Epi	Cytoplasmic Alteration	Moderate
	Respirat Epith	Cytoplasmic Alteration	Mild
* Preputial Gland		Degeneration	Cystic, Moderate
[ Degeneration TGLS = 1-8 ]			
* Spleen		Hemangiosarcoma	
[ Hemangiosarcoma TGLS = 2-21 ]			
* Testes	Interstit Cell	Hyperplasia	Minimal

PRIMARY CAUSE OF DEATH

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 93023-07  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** 2,4-Hexadienal  
**CAS Number:** 142-83-6

**Date Report Requested:** 10/20/2014  
**Time Report Requested:** 13:41:48  
**First Dose M/F:** NA / NA  
**Lab:** SRI

**ANIMAL ID:** 3      **TRT#:** 1      **SEX:** Male      **DAY ON TEST:** 731  
**DOSE:** 0    MG/KG/DY      **DISP:** Terminal Sacrifice      **HISTO:** 99-87126

**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, 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	Adenoma	
Harderian Gland		Adenoma	
[ Adenoma TGLS = 1-21 ]			
* Kidney		Nephropathy	Minimal
* Liver		Hepatocellular Adenoma	
		Infiltration Cellular	Mixed Cell, Minimal
	Hepatocyte	Vacuolization Cytoplasmic	Focal, Minimal
	Hepatocyte, Periportal	Vacuolization Cytoplasmic	Mild
[ Hepatocellular Adenoma TGLS = 3-23 ]			
* Lung		Alveolar/Bronchiolar Adenoma	
		Alveolar/Bronchiolar Carcinoma	
		Hyperplasia	Histiocytic, Moderate
[ Alveolar/Bronchiolar Adenoma TGLS = 4-2 ]			
[ Alveolar/Bronchiolar Carcinoma TGLS = 4-2 ]			
Mesentery	Fat	Necrosis	Moderate
[ Necrosis TGLS = 2-22 ]			
* Nose	Respirat Epith	Cytoplasmic Alteration	Moderate
		Inflammation	Suppurative, Mild
* Thymus		Cyst	Minimal

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 93023-07  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** 2,4-Hexadienal  
**CAS Number:** 142-83-6

**Date Report Requested:** 10/20/2014  
**Time Report Requested:** 13:41:48  
**First Dose M/F:** NA / NA  
**Lab:** SRI

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<b>ANIMAL ID:</b> 3	<b>TRT#:</b> 1	<b>SEX:</b> Male	<b>DAY ON TEST:</b> 731
	<b>DOSE:</b> 0 MG/KG/DY	<b>DISP:</b> Terminal Sacrifice	<b>HISTO:</b> 99-87126

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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PRIMARY CAUSE OF DEATH

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 93023-07  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** 2,4-Hexadienal  
**CAS Number:** 142-83-6

**Date Report Requested:** 10/20/2014  
**Time Report Requested:** 13:41:48  
**First Dose M/F:** NA / NA  
**Lab:** SRI

<b>ANIMAL ID:</b> 4	<b>TRT#:</b> 1	<b>SEX:</b> Male	<b>DAY ON TEST:</b> 730
	<b>DOSE:</b> 0 MG/KG/DY	<b>DISP:</b> Terminal Sacrifice	<b>HISTO:</b> 99-87127

**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
* Lymph Node, Mesenteric	* Pancreas	* Pituitary Gland	* Prostate
* Salivary Glands	* Seminal Vesicle	* Skin	* Stomach, Glandular
* Testes	* Thyroid Gland	* Trachea	* Urinary Bladder

**MISSING**

\* Mammary Gland

**OBSERVATIONS**

* Adrenal Cortex		Cytoplasmic Alteration	Focal, Minimal
* Islets, Pancreatic		Adenoma	
[ Adenoma TGLS = 2-7 ]			
* Kidney		Nephropathy	Minimal
* Liver		Congestion	Focal, Minimal
		Hepatocellular Adenoma	
		Infiltration Cellular	Mixed Cell, Minimal
	Hepatocyte	Vacuolization Cytoplasmic	Diffuse, Moderate
[ Hepatocellular Adenoma TGLS = 4-6 ]			
* Nose	Respirat Epith	Cytoplasmic Alteration	Mild
* Parathyroid Gland		Cyst	Mild
* Preputial Gland		Degeneration	Cystic, Moderate
[ Degeneration TGLS = 1-8 ]			
* Spleen		Hematopoietic Cell Proliferation	Moderate
[ Hematopoietic Cell Proliferation TGLS = 3-6 ]			
* Stomach, Forestomach	Epithelium	Hyperplasia	Squamous, Minimal
* Thymus		Cyst	Minimal
Tooth		Malformation	Moderate

PRIMARY CAUSE OF DEATH

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 93023-07  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** 2,4-Hexadienal  
**CAS Number:** 142-83-6

**Date Report Requested:** 10/20/2014  
**Time Report Requested:** 13:41:48  
**First Dose M/F:** NA / NA  
**Lab:** SRI

<b>ANIMAL ID:</b> 5	<b>TRT#:</b> 1	<b>SEX:</b> Male	<b>DAY ON TEST:</b> 731
	<b>DOSE:</b> 0 MG/KG/DY	<b>DISP:</b> Terminal Sacrifice	<b>HISTO:</b> 99-87128

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

* Adrenal Cortex	* 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, Mandibular	* Lymph Node, Mesenteric	* Pancreas	* Parathyroid Gland
* Pituitary Gland	* Prostate	* Salivary Glands	* Seminal Vesicle
* Skin	* Spleen	* Stomach, Forestomach	* Stomach, Glandular
* Testes	* Trachea	* Urinary Bladder	

**MISSING**

\* Mammary Gland

**OBSERVATIONS**

Harderian Gland		Adenoma	
[ Adenoma TGLS = 7-22 ]			
* Kidney		Nephropathy	Minimal
* Liver		Infarct	Marked
		Infiltration Cellular	Mixed Cell, Minimal
[ Infarct TGLS = 3-21 ]			
* Lung		Alveolar/Bronchiolar Carcinoma	
		Hyperplasia	Histiocytic, Marked
[ Alveolar/Bronchiolar Carcinoma TGLS = 6-2 ]			
[ Hyperplasia TGLS = 5-2 ]			
Lymph Node	Mediastinal	Hyperplasia	Lymphoid, Moderate
[ Hyperplasia TGLS = 4-2 ]			
Mesentery	Fat	Necrosis	Minimal
* Nose	Olfactory Epi	Cytoplasmic Alteration	Moderate
	Respirat Epith	Cytoplasmic Alteration	Moderate
* Preputial Gland		Degeneration	Cystic, Moderate
[ Degeneration TGLS = 1-8 ]			
* Thymus		Cyst	Mild
* Thyroid Gland		Degeneration	Cystic, Focal, Minimal

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 93023-07  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** 2,4-Hexadienal  
**CAS Number:** 142-83-6

**Date Report Requested:** 10/20/2014  
**Time Report Requested:** 13:41:48  
**First Dose M/F:** NA / NA  
**Lab:** SRI

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<b>ANIMAL ID:</b> 5	<b>TRT#:</b> 1	<b>SEX:</b> Male	<b>DAY ON TEST:</b> 731
	<b>DOSE:</b> 0 MG/KG/DY	<b>DISP:</b> Terminal Sacrifice	<b>HISTO:</b> 99-87128

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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PRIMARY CAUSE OF DEATH

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\* PROTOCOL REQUIRED TISSUE



**Experiment Number:** 93023-07  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** 2,4-Hexadienal  
**CAS Number:** 142-83-6

**Date Report Requested:** 10/20/2014  
**Time Report Requested:** 13:41:48  
**First Dose M/F:** NA / NA  
**Lab:** SRI

<b>ANIMAL ID:</b> 6	<b>TRT#:</b> 1	<b>SEX:</b> Male	<b>DAY ON TEST:</b> 731
	<b>DOSE:</b> 0 MG/KG/DY	<b>DISP:</b> Terminal Sacrifice	<b>HISTO:</b> 99-87129

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

* Adrenal Cortex	* 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, Mandibular	* Lymph Node, Mesenteric	* Pancreas	* Parathyroid Gland
* Pituitary Gland	* Preputial Gland	* Prostate	* Salivary Glands
* Seminal Vesicle	* Stomach, Glandular	* Testes	* Thymus
* Thyroid Gland	* Trachea	* Urinary Bladder	

**MISSING**

\* Mammary Gland

**OBSERVATIONS**

* Kidney		Nephropathy	Mild
* Liver		Hepatocellular Carcinoma Infiltration Cellular	Mixed Cell, Mild
	[ Hepatocellular Carcinoma TGLS = 3-22 ]		
* Lung		Hepatocellular Carcinoma	Metastatic (Liver)
* Nose	Respirat Epith	Cytoplasmic Alteration	Mild
* Skin	Subcut Tiss	Hemangiosarcoma	
	[ Hemangiosarcoma TGLS = 1-21 ]		
* Spleen		Hematopoietic Cell Proliferation	Moderate
	[ Hematopoietic Cell Proliferation TGLS = 2-6 ]		
* Stomach, Forestomach	Epithelium	Hyperplasia Inflammation	Squamous, Mild Focal, Mild
	[ Hyperplasia TGLS = 5-4-1 ]		
	[ Inflammation TGLS = 5-4-1 ]		

PRIMARY CAUSE OF DEATH

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 93023-07  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** 2,4-Hexadienal  
**CAS Number:** 142-83-6

**Date Report Requested:** 10/20/2014  
**Time Report Requested:** 13:41:48  
**First Dose M/F:** NA / NA  
**Lab:** SRI

<b>ANIMAL ID:</b> 7	<b>TRT#:</b> 1 <b>DOSE:</b> 0 MG/KG/DY	<b>SEX:</b> Male <b>DISP:</b> Moribund Sacrifice	<b>DAY ON TEST:</b> 698 <b>HISTO:</b> 99-86704
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**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

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

**MISSING**

* Gallbladder	* Mammary Gland
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**OBSERVATIONS**

* Epididymis	Bilateral	Hemorrhage	Marked
* Kidney		Atrophy	Focal, Moderate
	Renal Tubule	Pigmentation	Moderate
* Liver		Hepatocellular Carcinoma	
	[ Hepatocellular Carcinoma TGLS = 5-22 ]		
* Lung		Alveolar/Bronchiolar Carcinoma	
	Mediastinum	Hepatocellular Carcinoma	Metastatic (Liver)
	[ Hepatocellular Carcinoma TGLS = 6-2 ]	Hepatocellular Carcinoma	Metastatic (Liver)
	[ Hepatocellular Carcinoma TGLS = 7-23 ]		
* Lymph Node, Mandibular		Hyperplasia	Plasma Cell, Moderate
		Hyperplasia	Histiocytic, Moderate
* Lymph Node, Mesenteric		Hemorrhage	Moderate
		Infiltration Cellular	Polymorphnuclr, Moderate
Mesentery	Fat	Necrosis	Moderate
	[ Necrosis TGLS = 3-21 ]		
* Nose	Respirat Epith	Cytoplasmic Alteration	Mild
	Nasolacrim Dct	Inflammation	Mild
		Inflammation	Suppurative, Minimal
* Spleen		Hematopoietic Cell Proliferation	Moderate

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 93023-07  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** 2,4-Hexadienal  
**CAS Number:** 142-83-6

**Date Report Requested:** 10/20/2014  
**Time Report Requested:** 13:41:48  
**First Dose M/F:** NA / NA  
**Lab:** SRI

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<b>ANIMAL ID:</b> 7	<b>TRT#:</b> 1	<b>SEX:</b> Male	<b>DAY ON TEST:</b> 698
	<b>DOSE:</b> 0 MG/KG/DY	<b>DISP:</b> Moribund Sacrifice	<b>HISTO:</b> 99-86704

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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* Testes [ Hemorrhage TGLS = 4-7 ]	Hemorrhage	Mild
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PRIMARY CAUSE OF DEATH	- Liver Hepatocellular Carcinoma
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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 93023-07  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** 2,4-Hexadienal  
**CAS Number:** 142-83-6

**Date Report Requested:** 10/20/2014  
**Time Report Requested:** 13:41:48  
**First Dose M/F:** NA / NA  
**Lab:** SRI

**ANIMAL ID:** 8                      **TRT#:** 1                      **SEX:** Male                      **DAY ON TEST:** 729  
**DOSE:** 0    MG/KG/DY                      **DISP:** Terminal Sacrifice                      **HISTO:** 99-87130

**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, Mandibular
* Lymph Node, Mesenteric	* 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	Focal, Mild
* Kidney		Cyst	Minimal
		Nephropathy	Minimal
* Liver		Angiectasis	Mild
		Hepatocellular Adenoma	Multiple
	Hepatocyte	Vacuolization Cytoplasmic	Diffuse, Moderate
	Hepatocyte	Vacuolization Cytoplasmic	Focal, Mild
	[ Angiectasis TGLS = 2-6 ]		
	[ Hepatocellular Adenoma TGLS = 3-22 ]		
* Lung		Congestion	Mild
	[ Congestion TGLS = 4-2 ]		
Mesentery	Fat	Necrosis	Moderate
	[ Necrosis TGLS = 1-21 ]		
* Nose	Olfactory Epi	Cytoplasmic Alteration	Mild
	Respirat Epith	Cytoplasmic Alteration	Moderate
	Glands, Mucosa	Dilatation	Focal, Minimal
		Inflammation	Suppurative, Minimal

PRIMARY CAUSE OF DEATH

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 93023-07  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** 2,4-Hexadienal  
**CAS Number:** 142-83-6

**Date Report Requested:** 10/20/2014  
**Time Report Requested:** 13:41:48  
**First Dose M/F:** NA / NA  
**Lab:** SRI

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**ANIMAL ID:** 8

**TRT#:** 1

**SEX:** Male

**DAY ON TEST:** 729

**DOSE:** 0 MG/KG/DY

**DISP:** Terminal Sacrifice

**HISTO:** 99-87130

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 93023-07  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** 2,4-Hexadienal  
**CAS Number:** 142-83-6

**Date Report Requested:** 10/20/2014  
**Time Report Requested:** 13:41:48  
**First Dose M/F:** NA / NA  
**Lab:** SRI

**ANIMAL ID:** 9                      **TRT#:** 1                      **SEX:** Male                      **DAY ON TEST:** 603  
**DOSE:** 0    MG/KG/DY                      **DISP:** Moribund Sacrifice                      **HISTO:** 99-86167

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

* Adrenal Cortex	* 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	* Lung	* Lymph Node, Mandibular	* Lymph Node, Mesenteric
* Pancreas	* Parathyroid Gland	* Pituitary Gland	* Preputial Gland
* Salivary Glands	* Seminal Vesicle	* Skin	* Stomach, Glandular
* Testes	* Thyroid Gland	* Trachea	

**MISSING**

* Adrenal Medulla	* Mammary Gland	* Thymus
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**OBSERVATIONS**

* Bone Marrow	Myeloid Cell	Hyperplasia	Moderate
* Heart		Inflammation	Chronic, Focal, Minimal
* Kidney		Inflammation	Suppurative, Marked
[ Inflammation TGLS = 1-5 ]			
* Liver		Infarct	Marked
		Infiltration Cellular	Mixed Cell, Mild
	Hepatocyte	Necrosis	Focal, Mild
	Hepatocyte, Periportal	Vacuolization Cytoplasmic	Mild
[ Infarct TGLS = 2-21 ]			
Mesentery	Fat	Necrosis	Minimal
* Nose	Respirat Epith	Cytoplasmic Alteration	Mild
* Prostate		Inflammation	Chronic, Moderate
* Spleen		Hematopoietic Cell Proliferation	Mild
* Stomach, Forestomach	Epithelium	Hyperplasia	Squamous, Mild
		Inflammation	Focal, Mild
[ Hyperplasia TGLS = 4-4-1 ]			
Urethra		Inflammation	Marked
		Necrosis	Focal, Marked

Note: Urethral lesions in this mouse constitute murine obstructive uropathy, a contributing cause being blockage of urethral lumen by semen coagulum.

    [ Inflammation TGLS = 3-22 ]

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 93023-07  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** 2,4-Hexadienal  
**CAS Number:** 142-83-6

**Date Report Requested:** 10/20/2014  
**Time Report Requested:** 13:41:48  
**First Dose M/F:** NA / NA  
**Lab:** SRI

---

<b>ANIMAL ID:</b> 9	<b>TRT#:</b> 1	<b>SEX:</b> Male	<b>DAY ON TEST:</b> 603
	<b>DOSE:</b> 0 MG/KG/DY	<b>DISP:</b> Moribund Sacrifice	<b>HISTO:</b> 99-86167

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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[ Necrosis TGLS = 3-22 ]

\* Urinary Bladder

Inflammation

Suppurative, Mild

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PRIMARY CAUSE OF DEATH

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CONTRIBUTORY CAUSE OF DEATH

- Urethra Inflammation;Urethra Necrosis

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 93023-07  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** 2,4-Hexadienal  
**CAS Number:** 142-83-6

**Date Report Requested:** 10/20/2014  
**Time Report Requested:** 13:41:48  
**First Dose M/F:** NA / NA  
**Lab:** SRI

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<b>ANIMAL ID:</b> 10	<b>TRT#:</b> 1	<b>SEX:</b> Male	<b>DAY ON TEST:</b> 729
	<b>DOSE:</b> 0 MG/KG/DY	<b>DISP:</b> Terminal Sacrifice	<b>HISTO:</b> 99-87131

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**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	* Pancreas	* Parathyroid Gland
* Pituitary Gland	* Preputial Gland	* Prostate	* Salivary Glands
* Skin	* Spleen	* Stomach, Forestomach	* Stomach, Glandular
* Testes	* Thyroid Gland	* Trachea	* Urinary Bladder

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**MISSING**

* Mammary Gland	* Thymus
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**OBSERVATIONS**

* Adrenal Cortex		Hypertrophy	Focal, Mild
* Kidney		Metaplasia	Osseous, Focal, Minimal
		Nephropathy	Mild
* Liver	Hepatocyte	Hepatocellular Adenoma	
		Vacuolization Cytoplasmic	Diffuse, Moderate
	[ Hepatocellular Adenoma TGLS = 5-21 ]		
	[ Vacuolization Cytoplasmic TGLS = 4-6-1 ]		
* Nose	Respirat Epith	Cytoplasmic Alteration	Moderate
* Seminal Vesicle		Dilatation	Marked
	[ Dilatation TGLS = 2-7, 3-7 ]		

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**PRIMARY CAUSE OF DEATH** -

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\* PROTOCOL REQUIRED TISSUE



**Experiment Number:** 93023-07  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** 2,4-Hexadienal  
**CAS Number:** 142-83-6

**Date Report Requested:** 10/20/2014  
**Time Report Requested:** 13:41:48  
**First Dose M/F:** NA / NA  
**Lab:** SRI

**ANIMAL ID:** 11

**TRT#:** 1

**SEX:** Male

**DAY ON TEST:** 731

**DOSE:** 0 MG/KG/DY

**DISP:** Terminal Sacrifice

**HISTO:** 99-87132

**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
* Mammary Gland	* Pancreas	* Parathyroid Gland	Penis
* Pituitary Gland	* Prostate	* Salivary Glands	* Seminal Vesicle
* Skin	* Spleen	* Stomach, Forestomach	* Stomach, Glandular
* Testes	* Thyroid Gland	* Trachea	* Urinary Bladder

**OBSERVATIONS**

* Adrenal Cortex	Subcapsular	Adenoma	
* Islets, Pancreatic		Adenoma	
Note: Islet cell adenoma is on slide 5.1.			
* Kidney	Renal Tubule	Hyperplasia	Focal, Minimal
		Metaplasia	Osseous, Focal, Mild
		Nephropathy	Mild
* Liver	Hepatocyte	Hepatocellular Adenoma	Multiple
		Vacuolization Cytoplasmic	Diffuse, Moderate
[ Hepatocellular Adenoma TGLS = 4-22, 5-23 ]			
* Lung		Alveolar/Bronchiolar Carcinoma	
		Hyperplasia	Histiocytic, Mild
[ Alveolar/Bronchiolar Carcinoma TGLS = 3-2 ]			
Mesentery	Fat	Necrosis	Moderate
[ Necrosis TGLS = 2-21 ]			
* Nose	Respirat Epith	Cytoplasmic Alteration	Mild
* Preputial Gland		Degeneration	Cystic, Moderate
[ Degeneration TGLS = 1-8 ]			
* Thymus		Cyst	Mild

**PRIMARY CAUSE OF DEATH** -

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 93023-07  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** 2,4-Hexadienal  
**CAS Number:** 142-83-6

**Date Report Requested:** 10/20/2014  
**Time Report Requested:** 13:41:48  
**First Dose M/F:** NA / NA  
**Lab:** SRI

**ANIMAL ID:** 12

**TRT#:** 1

**SEX:** Male

**DAY ON TEST:** 732

**DOSE:** 0 MG/KG/DY

**DISP:** Terminal Sacrifice

**HISTO:** 99-87133

**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, Mandibular
* Lymph Node, Mesenteric	* Pancreas	* Parathyroid Gland	* Pituitary Gland
* Prostate	* Salivary Glands	* Seminal Vesicle	* Skin
* Spleen	* Stomach, Glandular	* Thymus	* Thyroid Gland
* Trachea	* Urinary Bladder		

**MISSING**

\* Mammary Gland

**OBSERVATIONS**

* Adrenal Cortex		Cytoplasmic Alteration	Focal, Minimal
	Subcapsular	Hyperplasia	Focal, Mild
* Kidney	Renal Tubule	Adenoma	
		Nephropathy	Minimal
Note: Kidney adenoma is on slide 5-1.			
* Liver	Hepatocyte	Vacuolization Cytoplasmic	Diffuse, Moderate
* Lung		Alveolar/Bronchiolar Adenoma	
* Nose	Glands	Cytoplasmic Alteration	Mild
	Respirat Epith	Cytoplasmic Alteration	Moderate
	Glands, Mucosa	Dilatation	Focal, Mild
* Preputial Gland		Degeneration	Cystic, Moderate
[ Degeneration TGLS = 2-8 ]			
* Stomach, Forestomach	Epithelium	Hyperplasia	Squamous, Minimal
[ Hyperplasia TGLS = 3-4 ]			
* Testes	Interstit Cell	Adenoma	

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 93023-07  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** 2,4-Hexadienal  
**CAS Number:** 142-83-6

**Date Report Requested:** 10/20/2014  
**Time Report Requested:** 13:41:48  
**First Dose M/F:** NA / NA  
**Lab:** SRI

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<b>ANIMAL ID:</b> 13	<b>TRT#:</b> 1	<b>SEX:</b> Male	<b>DAY ON TEST:</b> 730
	<b>DOSE:</b> 0 MG/KG/DY	<b>DISP:</b> Terminal Sacrifice	<b>HISTO:</b> 99-87222

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**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, Mandibular
* Lymph Node, Mesenteric	* Pancreas	* Parathyroid Gland	* Pituitary Gland
* Prostate	* Salivary Glands	* Seminal Vesicle	* Skin
* Spleen	* Stomach, Forestomach	* Stomach, Glandular	* Testes
* Thymus	* Thyroid Gland	* Trachea	* Urinary Bladder

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**MISSING**

\* Mammary Gland

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**OBSERVATIONS**

* Adrenal Cortex		Cytoplasmic Alteration	Focal, Mild
* Kidney		Hyperplasia	Lymphoid, Moderate
		Nephropathy	Marked
* Liver		Infiltration Cellular	Mixed Cell, Minimal
* Lung	Alveolar Epith	Hyperplasia	Mild
[ Hyperplasia TGLS = 3-22 ]			
Mesentery	Fat	Necrosis	Mild
[ Necrosis TGLS = 2-21 ]			
* Nose	Respirat Epith	Cytoplasmic Alteration	Mild
* Preputial Gland		Degeneration	Cystic, Moderate
[ Degeneration TGLS = 1-8 ]			

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PRIMARY CAUSE OF DEATH

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 93023-07  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** 2,4-Hexadienal  
**CAS Number:** 142-83-6

**Date Report Requested:** 10/20/2014  
**Time Report Requested:** 13:41:48  
**First Dose M/F:** NA / NA  
**Lab:** SRI

**ANIMAL ID:** 14

**TRT#:** 1

**SEX:** Male

**DAY ON TEST:** 731

**DOSE:** 0 MG/KG/DY

**DISP:** Terminal Sacrifice

**HISTO:** 99-87223

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

* Adrenal Cortex	* 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, Mandibular	* Pancreas	* 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**

* Kidney		Nephropathy	Mild
* Liver		Infiltration Cellular	Mixed Cell, Minimal
* Lung		Alveolar/Bronchiolar Adenoma	
* Lymph Node, Mesenteric		Hyperplasia	Plasma Cell, Moderate
Mesentery	Fat	Necrosis	Moderate
[ Necrosis TGLS = 1-21 ]			
* Nose	Olfactory Epi	Cytoplasmic Alteration	Mild
	Respirat Epith	Cytoplasmic Alteration	Mild
Skeletal Muscle		Infiltration Cellular	Lipocyte, Focal, Moderate
[ Infiltration Cellular TGLS = 3-23 ]			
* Stomach, Forestomach	Epithelium	Hyperplasia	Squamous, Mild
[ Hyperplasia TGLS = 2-22 ]			

**PRIMARY CAUSE OF DEATH**

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 93023-07  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** 2,4-Hexadienal  
**CAS Number:** 142-83-6

**Date Report Requested:** 10/20/2014  
**Time Report Requested:** 13:41:48  
**First Dose M/F:** NA / NA  
**Lab:** SRI

---

<b>ANIMAL ID:</b> 15	<b>TRT#:</b> 1	<b>SEX:</b> Male	<b>DAY ON TEST:</b> 729
	<b>DOSE:</b> 0 MG/KG/DY	<b>DISP:</b> Terminal Sacrifice	<b>HISTO:</b> 99-87224

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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**NORMAL**

* Adrenal Cortex	* 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	* Pancreas	* Parathyroid Gland
* Pituitary Gland	* Preputial Gland	* Prostate	* Salivary Glands
* Seminal Vesicle	* Skin	* Spleen	* Stomach, Forestomach
* Stomach, Glandular	* Testes	* Thyroid Gland	* Trachea
* Urinary Bladder			

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**MISSING**

\* Mammary Gland

---

**OBSERVATIONS**

* Kidney		Cyst	Mild
		Nephropathy	Minimal
* Liver		Infiltration Cellular	Mixed Cell, Minimal
	Hepatocyte	Vacuolization Cytoplasmic	Focal, Minimal
* Lymph Node, Mesenteric		Hyperplasia	Plasma Cell, Moderate
* Nose	Olfactory Epi	Cytoplasmic Alteration	Mild
	Respirat Epith	Cytoplasmic Alteration	Mild
* Thymus		Cyst	Minimal
Zymbal's Gland		Adenoma	

Note: Zymbal's gland adenoma is cystic type.

[ Adenoma TGLS = 1-21 ]

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**PRIMARY CAUSE OF DEATH**

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 93023-07  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** 2,4-Hexadienal  
**CAS Number:** 142-83-6

**Date Report Requested:** 10/20/2014  
**Time Report Requested:** 13:41:48  
**First Dose M/F:** NA / NA  
**Lab:** SRI

---

<b>ANIMAL ID:</b> 16	<b>TRT#:</b> 1	<b>SEX:</b> Male	<b>DAY ON TEST:</b> 732
	<b>DOSE:</b> 0 MG/KG/DY	<b>DISP:</b> Terminal Sacrifice	<b>HISTO:</b> 99-87225

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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**NORMAL**

* Adrenal Cortex	* 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, 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			

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**MISSING**

\* Mammary Gland

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**OBSERVATIONS**

* Kidney		Nephropathy	Minimal
* Liver		Hepatocellular Adenoma	
	Hepatocyte, Midzonal	Vacuolization Cytoplasmic	Mild
	[ Hepatocellular Adenoma TGLS = 1-6 ]		
* Lung		Alveolar/Bronchiolar Adenoma	
	[ Alveolar/Bronchiolar Adenoma TGLS = 2-21 ]		
* Nose	Olfactory Epi	Cytoplasmic Alteration	Minimal
	Respirat Epith	Cytoplasmic Alteration	Mild
* Thymus		Cyst	Mild
Tooth		Malformation	Mild

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**PRIMARY CAUSE OF DEATH** -

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 93023-07  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** 2,4-Hexadienal  
**CAS Number:** 142-83-6

**Date Report Requested:** 10/20/2014  
**Time Report Requested:** 13:41:48  
**First Dose M/F:** NA / NA  
**Lab:** SRI

**ANIMAL ID:** 17

**TRT#:** 1

**SEX:** Male

**DAY ON TEST:** 729

**DOSE:** 0 MG/KG/DY

**DISP:** Terminal Sacrifice

**HISTO:** 99-87226

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

* Adrenal Cortex	* Adrenal Medulla	* 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, Mandibular
* Lymph Node, Mesenteric	* Pancreas	* Parathyroid Gland	* Preputial Gland
* Prostate	* Salivary Glands	* Seminal Vesicle	* Skin
* Spleen	* Stomach, Forestomach	* Stomach, Glandular	* Testes
* Thyroid Gland	* Trachea	* Urinary Bladder	

**MISSING**

\* Mammary Gland

**OBSERVATIONS**

* Bone	Cranium	Hyperostosis	Mild
[ Hyperostosis TGLS = 3-22 ]			
* Kidney		Nephropathy	Mild
* Liver	Hepatocyte	Eosinophilic Focus	Minimal
	Hepatocyte, Midzonal	Infiltration Cellular	Mixed Cell, Minimal
		Vacuolization Cytoplasmic	Moderate
[ Vacuolization Cytoplasmic TGLS = 1-21 ]			
* Lung		Alveolar/Bronchiolar Carcinoma	
		Hyperplasia	Histiocytic, Mild
[ Alveolar/Bronchiolar Carcinoma TGLS = 2-23 ]			
* Nose	Olfactory Epi	Cytoplasmic Alteration	Minimal
	Respirat Epith	Cytoplasmic Alteration	Mild
		Inflammation	Suppurative, Minimal
* Pituitary Gland	Pars Distalis	Cyst	Mild
* Thymus		Cyst	Minimal

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 93023-07  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** 2,4-Hexadienal  
**CAS Number:** 142-83-6

**Date Report Requested:** 10/20/2014  
**Time Report Requested:** 13:41:48  
**First Dose M/F:** NA / NA  
**Lab:** SRI

**ANIMAL ID:** 18

**TRT#:** 1

**SEX:** Male

**DAY ON TEST:** 730

**DOSE:** 0 MG/KG/DY

**DISP:** Terminal Sacrifice

**HISTO:** 99-87227

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

* Adrenal Cortex	* 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, Mandibular	* Lymph Node, Mesenteric	* Pancreas	* Parathyroid Gland
* Pituitary Gland	* Preputial Gland	* Salivary Glands	* Seminal Vesicle
* Skin	* Stomach, Forestomach	* Testes	* Thymus
* Trachea	* Urinary Bladder		

**MISSING**

* Mammary Gland	* Prostate
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**OBSERVATIONS**

* Kidney		Nephropathy	Minimal
* Liver		Hepatocellular Adenoma	
		Infiltration Cellular	Mixed Cell, Minimal
[ Hepatocellular Adenoma TGLS = 3-23 ]			
* Lung	Alveolar Epith	Hyperplasia	Minimal
Mesentery		Fibrosarcoma	
	Fat	Necrosis	Moderate
[ Fibrosarcoma TGLS = 2-22 ]			
[ Necrosis TGLS = 1-21 ]			
* Nose	Olfactory Epi	Cytoplasmic Alteration	Mild
	Respirat Epith	Cytoplasmic Alteration	Mild
* Spleen		Hematopoietic Cell Proliferation	Mild
* Stomach, Glandular		Mineralization	Minimal
* Thyroid Gland		Degeneration	Cystic, Focal, Minimal
Tooth		Malformation	Moderate

**PRIMARY CAUSE OF DEATH** -

\* PROTOCOL REQUIRED TISSUE



**Experiment Number:** 93023-07  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** 2,4-Hexadienal  
**CAS Number:** 142-83-6

**Date Report Requested:** 10/20/2014  
**Time Report Requested:** 13:41:48  
**First Dose M/F:** NA / NA  
**Lab:** SRI

<b>ANIMAL ID:</b> 19	<b>TRT#:</b> 1	<b>SEX:</b> Male	<b>DAY ON TEST:</b> 670
	<b>DOSE:</b> 0 MG/KG/DY	<b>DISP:</b> Natural Death	<b>HISTO:</b> 99-86609

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

* Adrenal Cortex	* Adrenal Medulla	* Bone Marrow	* Brain
* Epididymis	* Esophagus	* Gallbladder	* Heart
* Intestine Large, Rectum	* Islets, Pancreatic	* Lung	* 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**

* Lymph Node, Mandibular	* Mammary Gland
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**AUTO PRECLUDES DIAG.**

* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Spleen		

**OBSERVATIONS**

* Bone		Osteosarcoma	
[ Osteosarcoma TGLS = 5-23 ]			
Eye			
Note: Eye: Artifact in slide 44, of retrobulbar lesion seen grossly (TGL 7), precludes diagnosis. Gross change is likely result of harderian gland tumor (TGL 6).			
Harderian Gland		Carcinoma	
[ Carcinoma TGLS = 6-24 ]			
* Kidney		Nephropathy	Minimal
* Liver		Hepatocellular Carcinoma	Multiple
[ Hepatocellular Carcinoma TGLS = 3-22 ]			
Mesentery	Fat	Necrosis	Moderate
[ Necrosis TGLS = 1-21 ]			
* Nose	Respirat Epith	Cytoplasmic Alteration	Mild
* Stomach, Forestomach	Epithelium	Hyperplasia	Squamous, Minimal
* Thymus		Angiectasis	Minimal
[ Angiectasis TGLS = 4-2 ]			

**PRIMARY CAUSE OF DEATH** - Harderian Gland Carcinoma

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 93023-07  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** 2,4-Hexadienal  
**CAS Number:** 142-83-6

**Date Report Requested:** 10/20/2014  
**Time Report Requested:** 13:41:48  
**First Dose M/F:** NA / NA  
**Lab:** SRI

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<b>ANIMAL ID:</b> 19	<b>TRT#:</b> 1	<b>SEX:</b> Male	<b>DAY ON TEST:</b> 670
	<b>DOSE:</b> 0 MG/KG/DY	<b>DISP:</b> Natural Death	<b>HISTO:</b> 99-86609

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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<b>CONTRIBUTORY CAUSE OF DEATH</b>	- Bone Osteosarcoma; Liver Hepatocellular Carcinoma
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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 93023-07  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** 2,4-Hexadienal  
**CAS Number:** 142-83-6

**Date Report Requested:** 10/20/2014  
**Time Report Requested:** 13:41:48  
**First Dose M/F:** NA / NA  
**Lab:** SRI

**ANIMAL ID:** 20

**TRT#:** 1

**SEX:** Male

**DAY ON TEST:** 731

**DOSE:** 0 MG/KG/DY

**DISP:** Terminal Sacrifice

**HISTO:** 99-87228

**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, Mandibular
* Lymph Node, Mesenteric	* Pancreas	* Parathyroid 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	Focal, Mild
* Kidney		Nephropathy	Mild
* Liver		Angiectasis	Mild
	Hepatocyte, Midzonal	Vacuolization Cytoplasmic	Mild
	[ Angiectasis TGLS = 1-6 ]		
	[ Vacuolization Cytoplasmic TGLS = 1-6 ]		
* Lung		Alveolar/Bronchiolar Adenoma	
	[ Alveolar/Bronchiolar Adenoma TGLS = 2-21 ]		
* Nose	Respirat Epith	Cytoplasmic Alteration	Moderate
* Pituitary Gland	Pars Distalis	Cyst	Mild
* Stomach, Forestomach	Epithelium	Hyperplasia	Squamous, Mild
		Ulcer	Mild
		[ Hyperplasia TGLS = 4-4 ]	
		[ Ulcer TGLS = 4-4 ]	
Tooth	Peridont Tiss	Inflammation	Chronic, Moderate

**PRIMARY CAUSE OF DEATH**

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 93023-07  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** 2,4-Hexadienal  
**CAS Number:** 142-83-6

**Date Report Requested:** 10/20/2014  
**Time Report Requested:** 13:41:48  
**First Dose M/F:** NA / NA  
**Lab:** SRI

**ANIMAL ID:** 21      **TRT#:** 1      **SEX:** Male      **DAY ON TEST:** 732  
**DOSE:** 0    MG/KG/DY      **DISP:** Terminal Sacrifice      **HISTO:** 99-87229

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

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

**MISSING**

\* Mammary Gland

**OBSERVATIONS**

* Intestine Large, Cecum [ Fibrosis TGLS = 5-22 ]	Serosa	Fibrosis	Focal, Moderate
* Intestine Small, Ileum [ Fibrosis TGLS = 5-22 ]	Serosa	Fibrosis	Focal, Moderate
* Kidney		Cyst	Minimal
		Nephropathy	Minimal
* Liver		Hepatocellular Adenoma	
	Hepatocyte, Midzonal	Infiltration Cellular	Mixed Cell, Minimal
	[ Hepatocellular Adenoma TGLS = 2-21 ]	Vacuolization Cytoplasmic	Mild
* Lung		Alveolar/Bronchiolar Adenoma	Multiple
	[ Alveolar/Bronchiolar Adenoma TGLS = 3-23, 4-24 ]		
Mesentery		Fibrosis	Focal, Moderate
		Inflammation	Chronic, Moderate
* Nose	Olfactory Epi	Cytoplasmic Alteration	Mild
	Respirat Epith	Cytoplasmic Alteration	Mild
* Pancreas	Acinus	Atrophy	Focal, Marked

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 93023-07  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** 2,4-Hexadienal  
**CAS Number:** 142-83-6

**Date Report Requested:** 10/20/2014  
**Time Report Requested:** 13:41:48  
**First Dose M/F:** NA / NA  
**Lab:** SRI

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<b>ANIMAL ID:</b> 21	<b>TRT#:</b> 1	<b>SEX:</b> Male	<b>DAY ON TEST:</b> 732
	<b>DOSE:</b> 0 MG/KG/DY	<b>DISP:</b> Terminal Sacrifice	<b>HISTO:</b> 99-87229

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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[ Atrophy TGLS = 5-22 ]		
* Preputial Gland	Degeneration	Cystic, Moderate
[ Degeneration TGLS = 1-8 ]		
Tooth	Malformation	Moderate

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PRIMARY CAUSE OF DEATH

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 93023-07  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** 2,4-Hexadienal  
**CAS Number:** 142-83-6

**Date Report Requested:** 10/20/2014  
**Time Report Requested:** 13:41:48  
**First Dose M/F:** NA / NA  
**Lab:** SRI

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<b>ANIMAL ID:</b> 22	<b>TRT#:</b> 1	<b>SEX:</b> Male	<b>DAY ON TEST:</b> 731
	<b>DOSE:</b> 0 MG/KG/DY	<b>DISP:</b> Terminal Sacrifice	<b>HISTO:</b> 99-87230

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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**NORMAL**

* 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, Mandibular	* Lymph Node, Mesenteric
* Pancreas	* Parathyroid Gland	* Pituitary Gland	* Preputial Gland
* Prostate	* Salivary Glands	* Seminal Vesicle	* Skin
* Stomach, Glandular	* Testes	* Thymus	* Thyroid Gland
* Trachea	* Urinary Bladder		

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**MISSING**

\* Mammary Gland

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**OBSERVATIONS**

* Adrenal Cortex	Subcapsular	Hyperplasia	Focal, Minimal
* Adrenal Medulla		Hyperplasia	Mild
* Kidney		Nephropathy	Moderate
* Liver	Hepatocyte, Midzonal	Hepatocellular Carcinoma	Multiple
	[ Hepatocellular Carcinoma TGLS = 3-21, 4-22 ]	Vacuolization Cytoplasmic	Minimal
* Lung		Hepatocellular Carcinoma	Metastatic (Liver)
* Nose	Olfactory Epi	Cytoplasmic Alteration	Moderate
	Respirat Epith	Cytoplasmic Alteration	Mild
* Spleen		Hematopoietic Cell Proliferation	Moderate
	[ Hematopoietic Cell Proliferation TGLS = 1-6 ]		
* Stomach, Forestomach		Squamous Cell Papilloma	
	[ Squamous Cell Papilloma TGLS = 5-23 ]		

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PRIMARY CAUSE OF DEATH

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 93023-07  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** 2,4-Hexadienal  
**CAS Number:** 142-83-6

**Date Report Requested:** 10/20/2014  
**Time Report Requested:** 13:41:48  
**First Dose M/F:** NA / NA  
**Lab:** SRI

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<b>ANIMAL ID:</b> 23	<b>TRT#:</b> 1	<b>SEX:</b> Male	<b>DAY ON TEST:</b> 731
	<b>DOSE:</b> 0 MG/KG/DY	<b>DISP:</b> Terminal Sacrifice	<b>HISTO:</b> 99-87231

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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**NORMAL**

* Adrenal Cortex	* 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, Mandibular	* Lymph Node, Mesenteric	* 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		

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**MISSING**

\* Mammary Gland

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**OBSERVATIONS**

Harderian Gland [ Adenoma TGLS = 2-21 ]		Adenoma	
* Kidney		Nephropathy	Minimal
* Liver	Hepatocyte Hepatocyte [ Vacuolization Cytoplasmic TGLS = 1-6 ]	Vacuolization Cytoplasmic Vacuolization Cytoplasmic	Focal, Moderate Diffuse, Moderate
* Lung		Alveolar/Bronchiolar Adenoma	
* Nose	Respirat Epith	Cytoplasmic Alteration	Mild

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PRIMARY CAUSE OF DEATH

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 93023-07  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** 2,4-Hexadienal  
**CAS Number:** 142-83-6

**Date Report Requested:** 10/20/2014  
**Time Report Requested:** 13:41:48  
**First Dose M/F:** NA / NA  
**Lab:** SRI

**ANIMAL ID:** 24

**TRT#:** 1

**SEX:** Male

**DAY ON TEST:** 732

**DOSE:** 0 MG/KG/DY

**DISP:** Terminal Sacrifice

**HISTO:** 99-87232

**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, 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
* Thymus	* Thyroid Gland	* Trachea	* Urinary Bladder

**MISSING**

\* Mammary Gland

**OBSERVATIONS**

* Adren Medulla			
Note: Medulla of one adrenal gland is missing.			
* Adrenal Cortex		Cytoplasmic Alteration	Focal, Mild
* Intestine Small, Ileum		Lymphoma Malignant	
[ Lymphoma Malignant TGLS = 2-21 ]			
* Kidney		Nephropathy	Mild
* Liver	Hepatocyte	Cytomegaly	Mild
		Hepatocellular Adenoma	
		Infiltration Cellular	Mixed Cell, Mild
	Hepatocyte	Karyomegaly	Mild
	Hepatocyte	Vacuolization Cytoplasmic	Focal, Mild
	Hepatocyte, Midzonal	Vacuolization Cytoplasmic	Mild
[ Hepatocellular Adenoma TGLS = 4-6 ]			
[ Vacuolization Cytoplasmic TGLS = 3-6, 5-6 ]			
* Nose	Respirat Epith	Cytoplasmic Alteration	Mild
* Spleen		Hyperplasia	Lymphoid, Mild
[ Hyperplasia TGLS = 1-6 ]			
Tooth		Malformation	Mild

PRIMARY CAUSE OF DEATH

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\* PROTOCOL REQUIRED TISSUE



**Experiment Number:** 93023-07  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** 2,4-Hexadienal  
**CAS Number:** 142-83-6

**Date Report Requested:** 10/20/2014  
**Time Report Requested:** 13:41:48  
**First Dose M/F:** NA / NA  
**Lab:** SRI

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**ANIMAL ID:** 24

**TRT#:** 1

**SEX:** Male

**DAY ON TEST:** 732

**DOSE:** 0 MG/KG/DY

**DISP:** Terminal Sacrifice

**HISTO:** 99-87232

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 93023-07  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** 2,4-Hexadienal  
**CAS Number:** 142-83-6

**Date Report Requested:** 10/20/2014  
**Time Report Requested:** 13:41:48  
**First Dose M/F:** NA / NA  
**Lab:** SRI

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<b>ANIMAL ID:</b> 25	<b>TRT#:</b> 1	<b>SEX:</b> Male	<b>DAY ON TEST:</b> 731
	<b>DOSE:</b> 0 MG/KG/DY	<b>DISP:</b> Terminal Sacrifice	<b>HISTO:</b> 99-87233

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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**NORMAL**

* Adrenal Cortex	* 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	* Pancreas
* Parathyroid Gland	* Pituitary Gland	* Prostate	* Salivary Glands
* Seminal Vesicle	* Skin	* Spleen	* Stomach, Glandular
* Testes	* Thymus	* Thyroid Gland	* Trachea
* Urinary Bladder			

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**MISSING**

\* Mammary Gland

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**OBSERVATIONS**

* Kidney		Nephropathy	Mild
* Liver		Infiltration Cellular	Mixed Cell, Minimal
* Nose	Olfactory Epi	Cytoplasmic Alteration	Mild
	Respirat Epith	Cytoplasmic Alteration	Moderate
* Preputial Gland		Degeneration	Cystic, Moderate
[ Degeneration TGLS = 1-21 ]			
* Stomach, Forestomach	Epithelium	Hyperplasia	Squamous, Minimal
Tooth	Peridont Tiss	Inflammation	Chronic, Moderate
		Malformation	Mild

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PRIMARY CAUSE OF DEATH

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 93023-07  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** 2,4-Hexadienal  
**CAS Number:** 142-83-6

**Date Report Requested:** 10/20/2014  
**Time Report Requested:** 13:41:48  
**First Dose M/F:** NA / NA  
**Lab:** SRI

**ANIMAL ID:** 26

**TRT#:** 1

**SEX:** Male

**DAY ON TEST:** 730

**DOSE:** 0 MG/KG/DY

**DISP:** Terminal Sacrifice

**HISTO:** 99-87234

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

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

**MISSING**

* Mammary Gland	* Thymus
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**OBSERVATIONS**

* Gallbladder		Cyst	Minimal
* Intestine Small, Jejunum		Carcinoma	
[ Carcinoma TGLS = 3-21 ]			
* Kidney		Nephropathy	Minimal
* Liver		Infiltration Cellular	Mixed Cell, Minimal
	Hepatocyte	Vacuolization Cytoplasmic	Focal, Mild
	Hepatocyte, Midzonal	Vacuolization Cytoplasmic	Mild
* Nose	Olfactory Epi	Cytoplasmic Alteration	Minimal
	Respirat Epith	Cytoplasmic Alteration	Mild
* Preputial Gland		Degeneration	Cystic, Moderate
[ Degeneration TGLS = 1-8 ]			
* Spleen		Hematopoietic Cell Proliferation	Moderate
[ Hematopoietic Cell Proliferation TGLS = 2-6 ]			
* Stomach, Forestomach	Epithelium	Hyperplasia	Squamous, Mild
		Squamous Cell Papilloma	Multiple
[ Hyperplasia TGLS = 6-4 ]			
[ Squamous Cell Papilloma TGLS = 4-22, 5-23 ]			

**PRIMARY CAUSE OF DEATH**

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 93023-07  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** 2,4-Hexadienal  
**CAS Number:** 142-83-6

**Date Report Requested:** 10/20/2014  
**Time Report Requested:** 13:41:48  
**First Dose M/F:** NA / NA  
**Lab:** SRI

**ANIMAL ID:** 27

**TRT#:** 1

**SEX:** Male

**DAY ON TEST:** 732

**DOSE:** 0 MG/KG/DY

**DISP:** Terminal Sacrifice

**HISTO:** 99-87235

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

* Adrenal Cortex	* 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	* 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**

* Kidney		Nephropathy	Mild
* Liver		Infiltration Cellular	Mixed Cell, Minimal
	Hepatocyte	Mixed Cell Focus	Minimal
[ Mixed Cell Focus TGLS = 2-6 ]			
Mesentery	Fat	Necrosis	Moderate
[ Necrosis TGLS = 1-21 ]			
* Nose	Olfactory Epi	Cytoplasmic Alteration	Minimal
	Respirat Epith	Cytoplasmic Alteration	Mild

**PRIMARY CAUSE OF DEATH**

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 93023-07  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** 2,4-Hexadienal  
**CAS Number:** 142-83-6

**Date Report Requested:** 10/20/2014  
**Time Report Requested:** 13:41:48  
**First Dose M/F:** NA / NA  
**Lab:** SRI

**ANIMAL ID:** 28

**TRT#:** 1

**SEX:** Male

**DAY ON TEST:** 731

**DOSE:** 0 MG/KG/DY

**DISP:** Terminal Sacrifice

**HISTO:** 99-87236

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

* Adrenal Medulla	* Bone	* Bone Marrow	* Brain
* Epididymis	* Esophagus	* 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
* 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	* Thymus
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**INSUFFICIENT TISSUE**

\* Gallbladder

**OBSERVATIONS**

* Adrenal Cortex	Subcapsular	Hyperplasia	Focal, Minimal
Harderian Gland		Adenoma	
Note: Harderian gland carcinoma is within adenoma of that gland.			
[ Adenoma TGLS = 2-21 ]			
* Kidney		Cyst	Mild
		Nephropathy	Minimal
* Liver		Infiltration Cellular	Mixed Cell, Minimal
	Hepatocyte	Vacuolization Cytoplasmic	Focal, Mild
	Hepatocyte, Midzonal	Vacuolization Cytoplasmic	Moderate
[ Vacuolization Cytoplasmic TGLS = 1-6 ]			
[ Vacuolization Cytoplasmic TGLS = 1-6 ]			
* Lymph Node, Mesenteric		Hyperplasia	Plasma Cell, Moderate
* Nose	Olfactory Epi	Cytoplasmic Alteration	Minimal
	Respirat Epith	Cytoplasmic Alteration	Minimal

**PRIMARY CAUSE OF DEATH**

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 93023-07  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** 2,4-Hexadienal  
**CAS Number:** 142-83-6

**Date Report Requested:** 10/20/2014  
**Time Report Requested:** 13:41:48  
**First Dose M/F:** NA / NA  
**Lab:** SRI

**ANIMAL ID:** 29

**TRT#:** 1

**SEX:** Male

**DAY ON TEST:** 729

**DOSE:** 0 MG/KG/DY

**DISP:** Terminal Sacrifice

**HISTO:** 99-87237

**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, Mandibular
* Lymph Node, Mesenteric	* Pancreas	* Pituitary Gland	* Preputial Gland
* Prostate	* Salivary Glands	* Seminal Vesicle	* Skin
* Spleen	* Stomach, Forestomach	* Stomach, Glandular	* Testes
* Thyroid Gland	* Trachea	* Urinary Bladder	

**MISSING**

* Mammary Gland	* Parathyroid Gland
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**OBSERVATIONS**

* Adrenal Cortex	Subcapsular	Adenoma	
* Kidney		Nephropathy	Mild
* Liver	Hepatocyte, Midzonal	Vacuolization Cytoplasmic	Mild
	[ Vacuolization Cytoplasmic TGLS = 2-6 ]		
* Lung		Alveolar/Bronchiolar Adenoma	
	[ Alveolar/Bronchiolar Adenoma TGLS = 1-21 ]		
* Nose	Respirat Epith Glands, Mucosa	Cytoplasmic Alteration Dilatation Inflammation	Mild Focal, Mild Suppurative, Mild
* Thymus		Cyst	Minimal
Tooth		Malformation	Mild

**PRIMARY CAUSE OF DEATH**

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 93023-07  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** 2,4-Hexadienal  
**CAS Number:** 142-83-6

**Date Report Requested:** 10/20/2014  
**Time Report Requested:** 13:41:48  
**First Dose M/F:** NA / NA  
**Lab:** SRI

<b>ANIMAL ID:</b> 30	<b>TRT#:</b> 1	<b>SEX:</b> Male	<b>DAY ON TEST:</b> 568
	<b>DOSE:</b> 0 MG/KG/DY	<b>DISP:</b> Moribund Sacrifice	<b>HISTO:</b> 99-85910

**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	* Pancreas	* Parathyroid Gland
* Preputial Gland	* Prostate	* Salivary Glands	* Seminal Vesicle
* Spleen	* Stomach, Glandular	* Testes	* Thymus
* Trachea	* Urinary Bladder		

**MISSING**

\* Mammary Gland

**OBSERVATIONS**

* Adrenal Cortex	Subcapsular	Hyperplasia	Focal, Minimal
* Kidney		Congestion	Mild
		Nephropathy	Mild
			[ Congestion TGLS = 3-5 ]
			[ Nephropathy TGLS = 3-5 ]
* Liver	Hepatocyte, Midzonal	Hepatocellular Adenoma	
		Vacuolization Cytoplasmic	Mild
			[ Hepatocellular Adenoma TGLS = 4-23 ]
Mesentery	Fat	Necrosis	Moderate
			[ Necrosis TGLS = 2-22 ]
* Nose	Respirat Epith	Cytoplasmic Alteration	Minimal
* Pituitary Gland	Pars Distalis	Cyst	Mild
* Skin		Keratoacanthoma	
			[ Keratoacanthoma TGLS = 1-21 ]
* Stomach, Forestomach	Epithelium	Hyperplasia	Squamous, Mild
* Thyroid Gland		Degeneration	Cystic, Focal, Mild

**PRIMARY CAUSE OF DEATH** - Skin Keratoacanthoma

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 93023-07  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** 2,4-Hexadienal  
**CAS Number:** 142-83-6

**Date Report Requested:** 10/20/2014  
**Time Report Requested:** 13:41:48  
**First Dose M/F:** NA / NA  
**Lab:** SRI

**ANIMAL ID:** 31

**TRT#:** 1

**SEX:** Male

**DAY ON TEST:** 729

**DOSE:** 0 MG/KG/DY

**DISP:** Terminal Sacrifice

**HISTO:** 99-87238

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

* Adrenal Cortex	* 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	* Liver	* Lung	* Lymph Node, Mesenteric
* 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**

Harderian Gland [ Adenoma TGLS = 2-22 ]		Adenoma	
* Kidney		Nephropathy	Mild
* Lymph Node, Mandibular		Hyperplasia	Lymphoid, Mild
Mesentery [ Necrosis TGLS = 3-23 ]	Fat	Necrosis	Moderate
* Nose	Respirat Epith	Cytoplasmic Alteration	Moderate
* Thymus [ Atrophy TGLS = 4-2 ]		Atrophy	Mild
* Thyroid Gland	Follicular Cel	Adenoma	
Tooth	Peridont Tiss	Inflammation	Chronic, Moderate

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE



**Experiment Number:** 93023-07  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** 2,4-Hexadienal  
**CAS Number:** 142-83-6

**Date Report Requested:** 10/20/2014  
**Time Report Requested:** 13:41:48  
**First Dose M/F:** NA / NA  
**Lab:** SRI

**ANIMAL ID:** 32

**TRT#:** 1

**SEX:** Male

**DAY ON TEST:** 731

**DOSE:** 0 MG/KG/DY

**DISP:** Terminal Sacrifice

**HISTO:** 99-87239

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

* Adrenal Cortex	* 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	* Pancreas
* Parathyroid Gland	* Pituitary Gland	* Prostate	* Salivary Glands
* Seminal Vesicle	* Skin	* Spleen	* Stomach, Forestomach
* Stomach, Glandular	* Testes	* Thymus	* Thyroid Gland
* Trachea	* Urinary Bladder		

**MISSING**

\* Mammary Gland

**OBSERVATIONS**

Harderian Gland [ Carcinoma TGLS = 2-21 ]		Carcinoma	
* Kidney		Nephropathy	Mild
* Liver  [ Hepatocellular Adenoma TGLS = 3-22 ]		Hepatocellular Adenoma Infiltration Cellular	Mixed Cell, Minimal
* Nose	Olfactory Epi Respirat Epith	Cytoplasmic Alteration Cytoplasmic Alteration	Mild Mild
* Preputial Gland [ Degeneration TGLS = 1-8 ]		Degeneration	Cystic, Moderate
Tooth	Peridont Tiss	Inflammation	Chronic, Marked

**PRIMARY CAUSE OF DEATH**

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 93023-07  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** 2,4-Hexadienal  
**CAS Number:** 142-83-6

**Date Report Requested:** 10/20/2014  
**Time Report Requested:** 13:41:48  
**First Dose M/F:** NA / NA  
**Lab:** SRI

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<b>ANIMAL ID:</b> 33	<b>TRT#:</b> 1	<b>SEX:</b> Male	<b>DAY ON TEST:</b> 718
	<b>DOSE:</b> 0 MG/KG/DY	<b>DISP:</b> Natural Death	<b>HISTO:</b> 99-86866

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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**NORMAL**

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Brain	* Epididymis	* Esophagus	* Gallbladder
* Heart	* Intestine Large, Colon	* Intestine Large, Rectum	* Islets, Pancreatic
* Lymph Node, Mesenteric	* Pancreas	* Parathyroid Gland	* Pituitary Gland
* Prostate	* Salivary Glands	* Seminal Vesicle	* Skin
* Stomach, Glandular	* Testes	* Thyroid Gland	* Trachea
* Urinary Bladder			

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**MISSING**

* Intestine Large, Cecum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Lymph Node, Mandibular
* Mammary Gland			

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**AUTO PRECLUDES DIAG.**

\* Intestine Small, Jejunum

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**INSUFFICIENT TISSUE**

\* Thymus

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**OBSERVATIONS**

Harderian Gland [ Adenoma TGLS = 1-21 ]		Adenoma	
* Kidney		Nephropathy	Mild
* Liver		Congestion	Moderate
	Hepatocyte	Eosinophilic Focus	Mild
		Hepatocellular Adenoma	Multiple
	[ Hepatocellular Adenoma TGLS = 4-23 ]		
* Lung		Alveolar/Bronchiolar Carcinoma	
	[ Alveolar/Bronchiolar Carcinoma TGLS = 5-2 ]		
Mesentery	Fat	Necrosis	Moderate
	[ Necrosis TGLS = 3-22 ]		
* Nose	Respirat Epith	Cytoplasmic Alteration	Mild
* Preputial Gland		Degeneration	Cystic, Moderate
	[ Degeneration TGLS = 2-8 ]		

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 93023-07  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** 2,4-Hexadienal  
**CAS Number:** 142-83-6

**Date Report Requested:** 10/20/2014  
**Time Report Requested:** 13:41:48  
**First Dose M/F:** NA / NA  
**Lab:** SRI

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<b>ANIMAL ID:</b> 33	<b>TRT#:</b> 1	<b>SEX:</b> Male	<b>DAY ON TEST:</b> 718
	<b>DOSE:</b> 0 MG/KG/DY	<b>DISP:</b> Natural Death	<b>HISTO:</b> 99-86866

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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* Spleen		Hematopoietic Cell Proliferation	Moderate
* Stomach, Forestomach [ Hyperplasia TGLS = 6-24 ]	Epithelium	Hyperplasia	Squamous, Mild
Tooth		Malformation	Moderate

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PRIMARY CAUSE OF DEATH - Lung Alveolar/Bronchiolar Carcinoma

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 93023-07  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** 2,4-Hexadienal  
**CAS Number:** 142-83-6

**Date Report Requested:** 10/20/2014  
**Time Report Requested:** 13:41:48  
**First Dose M/F:** NA / NA  
**Lab:** SRI

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<b>ANIMAL ID:</b> 34	<b>TRT#:</b> 1	<b>SEX:</b> Male	<b>DAY ON TEST:</b> 731
	<b>DOSE:</b> 0 MG/KG/DY	<b>DISP:</b> Terminal Sacrifice	<b>HISTO:</b> 99-87240

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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**NORMAL**

* Adrenal Cortex	* 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
* Liver	* Lymph Node, Mandibular	* Pancreas	* Parathyroid Gland
* Pituitary Gland	* Preputial Gland	* Prostate	* Salivary Glands
* Seminal Vesicle	* Skin	* Spleen	* Stomach, Forestomach
* Stomach, Glandular	* Testes	* Thymus	* Trachea
* Urinary Bladder			

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**MISSING**

\* Mammary Gland

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**OBSERVATIONS**

* Kidney	Renal Tubule	Dilatation Nephropathy	Focal, Mild Minimal
* Lung	Alveolar Epith [ Alveolar/Bronchiolar Adenoma TGLS = 1-21 ]	Alveolar/Bronchiolar Adenoma Hyperplasia	Multiple Mild
* Lymph Node, Mesenteric		Hyperplasia	Plasma Cell, Moderate
* Nose	Respirat Epith	Cytoplasmic Alteration	Mild
* Thyroid Gland	Follicle	Cyst	Mild
Tooth	Peridont Tiss	Inflammation	Chronic, Mild

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PRIMARY CAUSE OF DEATH

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 93023-07  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** 2,4-Hexadienal  
**CAS Number:** 142-83-6

**Date Report Requested:** 10/20/2014  
**Time Report Requested:** 13:41:48  
**First Dose M/F:** NA / NA  
**Lab:** SRI

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<b>ANIMAL ID:</b> 35	<b>TRT#:</b> 1	<b>SEX:</b> Male	<b>DAY ON TEST:</b> 730
	<b>DOSE:</b> 0 MG/KG/DY	<b>DISP:</b> Terminal Sacrifice	<b>HISTO:</b> 99-87241

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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**NORMAL**

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

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**MISSING**

* Mammary Gland	* Parathyroid Gland
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**OBSERVATIONS**

* Adrenal Cortex		Cytoplasmic Alteration	Focal, Mild
	Subcapsular	Hyperplasia	Focal, Mild
* Intestine Small, Duodenum	Epithelium	Cyst	Mild
* Kidney		Nephropathy	Mild
* Liver		Infiltration Cellular	Mixed Cell, Mild
* Lymph Node, Mesenteric		Hyperplasia	Plasma Cell, Moderate
* Nose	Olfactory Epi	Cytoplasmic Alteration	Mild
	Respirat Epith	Cytoplasmic Alteration	Mild

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**PRIMARY CAUSE OF DEATH**

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 93023-07  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** 2,4-Hexadienal  
**CAS Number:** 142-83-6

**Date Report Requested:** 10/20/2014  
**Time Report Requested:** 13:41:48  
**First Dose M/F:** NA / NA  
**Lab:** SRI

**ANIMAL ID:** 36

**TRT#:** 1

**SEX:** Male

**DAY ON TEST:** 730

**DOSE:** 0 MG/KG/DY

**DISP:** Terminal Sacrifice

**HISTO:** 99-87242

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

* Adrenal Cortex	* 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	* Islets, Pancreatic	* Lymph Node, Mandibular
* Lymph Node, Mesenteric	* Pancreas	* Parathyroid Gland	* Preputial Gland
* Prostate	* Salivary Glands	* Seminal Vesicle	* Skin
* Stomach, Glandular	* Testes	* Thyroid Gland	* Trachea
* Urinary Bladder			

**MISSING**

* Mammary Gland	* Pituitary Gland
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**INSUFFICIENT TISSUE**

\* Thymus

**OBSERVATIONS**

* Epididymis		Inflammation	Chronic, Moderate
* Kidney		Nephropathy	Minimal
* Liver		Hepatocellular Carcinoma	
		Infiltration Cellular	Mixed Cell, Mild
Note: Liver deformity seen grossly probably was due to pressure from tumor (TGL 4-21) in adjacent lobe, but there was no microscopic correlate to deformity.			
	[ Hepatocellular Carcinoma TGLS = 4-21 ]		
* Lung		Hepatocellular Carcinoma	Metastatic (Liver)
	[ Hepatocellular Carcinoma TGLS = 5-2 ]		
* Nose	Olfactory Epi	Cytoplasmic Alteration	Mild
	Respirat Epith	Cytoplasmic Alteration	Mild
	Nasolacrim Dct	Inflammation	Moderate
* Spleen		Hematopoietic Cell Proliferation	Moderate
	[ Hematopoietic Cell Proliferation TGLS = 2-6 ]		
* Stomach, Forestomach	Epithelium	Hyperplasia	Squamous, Mild
	[ Hyperplasia TGLS = 6-4 ]		
Tooth	Peridont Tiss	Inflammation	Chronic, Moderate

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 93023-07  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** 2,4-Hexadienal  
**CAS Number:** 142-83-6

**Date Report Requested:** 10/20/2014  
**Time Report Requested:** 13:41:48  
**First Dose M/F:** NA / NA  
**Lab:** SRI

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**ANIMAL ID:** 36

**TRT#:** 1

**SEX:** Male

**DAY ON TEST:** 730

**DOSE:** 0 MG/KG/DY

**DISP:** Terminal Sacrifice

**HISTO:** 99-87242

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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PRIMARY CAUSE OF DEATH

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 93023-07  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** 2,4-Hexadienal  
**CAS Number:** 142-83-6

**Date Report Requested:** 10/20/2014  
**Time Report Requested:** 13:41:48  
**First Dose M/F:** NA / NA  
**Lab:** SRI

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<b>ANIMAL ID:</b> 37	<b>TRT#:</b> 1	<b>SEX:</b> Male	<b>DAY ON TEST:</b> 701
	<b>DOSE:</b> 0 MG/KG/DY	<b>DISP:</b> Natural Death	<b>HISTO:</b> 99-86705

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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**NORMAL**

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Brain	* Epididymis	* Esophagus	* Gallbladder
* Heart	* Islets, Pancreatic	* Lymph Node, Mandibular	* Lymph Node, Mesenteric
* Pancreas	* Parathyroid Gland	* Pituitary Gland	* Preputial Gland
* Prostate	* Salivary Glands	* Seminal Vesicle	* Skin
* Stomach, Glandular	* Testes	* Thymus	* Thyroid Gland
* Trachea	* Urinary Bladder		

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**MISSING**

\* Mammary Gland

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**AUTO PRECLUDES DIAG.**

* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum		

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**OBSERVATIONS**

* Kidney		Cyst	Mild
* Liver		Hepatocellular Carcinoma	
[ Hepatocellular Carcinoma TGLS = 1-21 ]			
* Lung		Alveolar/Bronchiolar Adenoma	
* Nose	Olfactory Epi	Cytoplasmic Alteration	Mild
	Respirat Epith	Cytoplasmic Alteration	Moderate
* Spleen		Hematopoietic Cell Proliferation	Mild
* Stomach, Forestomach	Epithelium	Hyperplasia	Squamous, Mild
		Inflammation	Focal, Mild
[ Hyperplasia TGLS = 2-22 ]			

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**PRIMARY CAUSE OF DEATH** - Liver Hepatocellular Carcinoma

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\* PROTOCOL REQUIRED TISSUE



**Experiment Number:** 93023-07  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** 2,4-Hexadienal  
**CAS Number:** 142-83-6

**Date Report Requested:** 10/20/2014  
**Time Report Requested:** 13:41:48  
**First Dose M/F:** NA / NA  
**Lab:** SRI

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<b>ANIMAL ID:</b> 38	<b>TRT#:</b> 1	<b>SEX:</b> Male	<b>DAY ON TEST:</b> 729
	<b>DOSE:</b> 0 MG/KG/DY	<b>DISP:</b> Terminal Sacrifice	<b>HISTO:</b> 99-87243

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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**NORMAL**

* Adrenal Cortex	* 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	* Islets, Pancreatic	* Lymph Node, Mandibular
* Pancreas	* Prostate	* Salivary Glands	* Seminal Vesicle
* Skin	* Stomach, Glandular	* Testes	* Thymus
* Trachea	* Urinary Bladder		

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**MISSING**

* Mammary Gland	* Pituitary Gland
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**INSUFFICIENT TISSUE**

\* Parathyroid Gland

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**OBSERVATIONS**

* Intestine Small, Jejunum [ Lymphoma Malignant TGLS = 11-24 ]	Peyers Patch	Lymphoma Malignant	
* Kidney  [ Congestion TGLS = 4-5 ]		Congestion Cyst Nephropathy	Moderate Mild Minimal
* Liver  [ Hepatocellular Carcinoma TGLS = 5-22, 6-23 ]	Hepatocyte  Hepatocyte	Cytomegaly Hepatocellular Carcinoma Infiltration Cellular Karyomegaly	Moderate Multiple Mixed Cell, Moderate Moderate
* Lung  [ Alveolar/Bronchiolar Carcinoma TGLS = 7-25 ] [ Hyperplasia TGLS = 8-2 ]	Alveolar Epith	Alveolar/Bronchiolar Carcinoma Hyperplasia Hyperplasia	Mild Histiocytic, Moderate
* Lymph Node, Mesenteric [ Lymphoma Malignant TGLS = 3-21 ]		Lymphoma Malignant	

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 93023-07  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** 2,4-Hexadienal  
**CAS Number:** 142-83-6

**Date Report Requested:** 10/20/2014  
**Time Report Requested:** 13:41:48  
**First Dose M/F:** NA / NA  
**Lab:** SRI

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<b>ANIMAL ID:</b> 38	<b>TRT#:</b> 1	<b>SEX:</b> Male	<b>DAY ON TEST:</b> 729
	<b>DOSE:</b> 0 MG/KG/DY	<b>DISP:</b> Terminal Sacrifice	<b>HISTO:</b> 99-87243

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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* Nose	Olfactory Epi Respirat Epith	Cytoplasmic Alteration Cytoplasmic Alteration	Mild Mild
* Preputial Gland		Degeneration Inflammation	Cystic, Moderate Chronic, Moderate
[ Degeneration TGLS = 1-8 ] [ Inflammation TGLS = 1-8 ]			
* Spleen		Hematopoietic Cell Proliferation Hyperplasia	Moderate Lymphoid, Mild
[ Hematopoietic Cell Proliferation TGLS = 2-6 ]			
* Stomach, Forestomach	Epithelium	Hyperplasia Ulcer	Squamous, Mild Minimal
[ Hyperplasia TGLS = 10-26, 12-26 ]			
* Thyroid Gland		Degeneration	Cystic, Focal, Minimal

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PRIMARY CAUSE OF DEATH -

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 93023-07  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** 2,4-Hexadienal  
**CAS Number:** 142-83-6

**Date Report Requested:** 10/20/2014  
**Time Report Requested:** 13:41:48  
**First Dose M/F:** NA / NA  
**Lab:** SRI

**ANIMAL ID:** 39

**TRT#:** 1

**SEX:** Male

**DAY ON TEST:** 732

**DOSE:** 0 MG/KG/DY

**DISP:** Terminal Sacrifice

**HISTO:** 99-87244

**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, Mandibular
* Pancreas	* Parathyroid Gland	* Pituitary Gland	* Prostate
* Salivary Glands	* Seminal Vesicle	* Skin	* Spleen
* Stomach, Forestomach	* Stomach, Glandular	* Testes	* Thymus
* Trachea	* Urinary Bladder		

**MISSING**

\* Mammary Gland

**OBSERVATIONS**

* Adrenal Cortex	Subcapsular	Hyperplasia	Focal, Mild
* Kidney		Nephropathy	Minimal
* Liver		Hepatocellular Adenoma	
	Hepatocyte	Infiltration Cellular	Mixed Cell, Minimal
	[ Hepatocellular Adenoma TGLS = 4-22 ]	Vacuolization Cytoplasmic	Focal, Minimal
* Lung	Alveolar Epith	Hyperplasia	Moderate
	[ Hyperplasia TGLS = 3-23 ]		
* Lymph Node, Mesenteric		Hyperplasia	Plasma Cell, Moderate
Mesentery	Fat	Necrosis	Moderate
	[ Necrosis TGLS = 2-21 ]		
* Nose	Olfactory Epi	Cytoplasmic Alteration	Mild
	Respirat Epith	Cytoplasmic Alteration	Mild
* Preputial Gland		Degeneration	Cystic, Moderate
	[ Degeneration TGLS = 1-8 ]		
* Thyroid Gland		Degeneration	Cystic, Focal, Minimal
Tooth	Peridont Tiss	Inflammation	Chronic, Minimal

**PRIMARY CAUSE OF DEATH**

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 93023-07  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** 2,4-Hexadienal  
**CAS Number:** 142-83-6

**Date Report Requested:** 10/20/2014  
**Time Report Requested:** 13:41:48  
**First Dose M/F:** NA / NA  
**Lab:** SRI

**ANIMAL ID:** 40

**TRT#:** 1

**SEX:** Male

**DAY ON TEST:** 729

**DOSE:** 0 MG/KG/DY

**DISP:** Terminal Sacrifice

**HISTO:** 99-87245

**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	* Pancreas	* Parathyroid Gland
* Pituitary Gland	* Preputial Gland	* Prostate	* Salivary Glands
* Seminal Vesicle	* Skin	* Spleen	* Stomach, Forestomach
* Stomach, Glandular	* Testes	* Thymus	* Trachea
* Urinary Bladder			

**MISSING**

\* Mammary Gland

**OBSERVATIONS**

* Adrenal Cortex	Subcapsular	Hyperplasia	Focal, Minimal
* Kidney		Nephropathy	Minimal
* Liver		Hepatocellular Adenoma	Multiple
		Infiltration Cellular	Mixed Cell, Mild
	Hepatocyte	Mixed Cell Focus	Multiple, Mild
	Hepatocyte	Vacuolization Cytoplasmic	Focal, Minimal
[ Hepatocellular Adenoma TGLS = 1-21, 2-22 ]			
Mesentery	Fat	Necrosis	Moderate
[ Necrosis TGLS = 3-23, 4-4 ]			
* Nose	Respirat Epith	Cytoplasmic Alteration	Mild
		Inflammation	Suppurative, Mild
* Thyroid Gland		Degeneration	Cystic, Focal, Minimal
Tooth	Peridont Tiss	Inflammation	Chronic, Mild

**PRIMARY CAUSE OF DEATH**

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 93023-07  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** 2,4-Hexadienal  
**CAS Number:** 142-83-6

**Date Report Requested:** 10/20/2014  
**Time Report Requested:** 13:41:48  
**First Dose M/F:** NA / NA  
**Lab:** SRI

**ANIMAL ID:** 41

**TRT#:** 1

**SEX:** Male

**DAY ON TEST:** 731

**DOSE:** 0 MG/KG/DY

**DISP:** Terminal Sacrifice

**HISTO:** 99-87246

**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	* 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	Focal, Minimal
* Kidney		Cyst	Minimal
		Nephropathy	Minimal
* Liver		Hepatocellular Carcinoma	
		Infiltration Cellular	Mixed Cell, Minimal
		Mixed Cell Focus	
	Hepatocyte, Midzonal	Vacuolization Cytoplasmic	Mild
[ Hepatocellular Carcinoma TGLS = 2-22 ]			
[ Mixed Cell Focus TGLS = 1-21 ]			
Mesentery	Fat	Necrosis	Moderate
[ Necrosis TGLS = 3-23 ]			
* Nose	Respirat Epith	Cytoplasmic Alteration	Mild
* Spleen		Hematopoietic Cell Proliferation	Mild
* Thymus		Cyst	Mild

PRIMARY CAUSE OF DEATH

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 93023-07  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** 2,4-Hexadienal  
**CAS Number:** 142-83-6

**Date Report Requested:** 10/20/2014  
**Time Report Requested:** 13:41:48  
**First Dose M/F:** NA / NA  
**Lab:** SRI

**ANIMAL ID:** 42                      **TRT#:** 1                      **SEX:** Male                      **DAY ON TEST:** 730  
**DOSE:** 0    MG/KG/DY                      **DISP:** Terminal Sacrifice                      **HISTO:** 99-87247

**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	* Pancreas	* Parathyroid Gland
* Pituitary Gland	* Prostate	* Salivary Glands	* Seminal Vesicle
* Stomach, Forestomach	* Stomach, Glandular	* Testes	* Thymus
* Thyroid Gland	* Trachea	* Urinary Bladder	

**MISSING**

\* Mammary Gland

**OBSERVATIONS**

* Adrenal Cortex		Cytoplasmic Alteration	Focal, Minimal
* Kidney		Nephropathy	Minimal
* Liver		Hepatocellular Adenoma	Multiple
		Infiltration Cellular	Mixed Cell, Minimal
	Hepatocyte	Vacuolization Cytoplasmic	Focal, Mild
	Hepatocyte, Periportal	Vacuolization Cytoplasmic	Mild
Note: Liver: Apparently congested and hemorrhagic area of the liver is judged to be an artifact associated with the necropsy procedure. [ Hepatocellular Adenoma TGLS = 3-22, 4-23, 5-24 ] [ Vacuolization Cytoplasmic TGLS = 5-24 ]			
Mesentery	Fat	Necrosis	Moderate
[ Necrosis TGLS = 2-21 ]			
* Nose	Glands, Mucosa	Dilatation	Focal, Mild
* Preputial Gland		Degeneration	Cystic, Moderate
[ Degeneration TGLS = 1-8 ]			
* Skin	Subcut Tiss	Hemangioma	
[ Hemangioma TGLS = 6-25 ]			
* Spleen		Hematopoietic Cell Proliferation	Mild

**PRIMARY CAUSE OF DEATH**                      -

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 93023-07  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** 2,4-Hexadienal  
**CAS Number:** 142-83-6

**Date Report Requested:** 10/20/2014  
**Time Report Requested:** 13:41:48  
**First Dose M/F:** NA / NA  
**Lab:** SRI

**ANIMAL ID:** 43

**TRT#:** 1

**SEX:** Male

**DAY ON TEST:** 730

**DOSE:** 0 MG/KG/DY

**DISP:** Terminal Sacrifice

**HISTO:** 99-87248

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Brain	* Epididymis	* Esophagus	* 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	* Spleen	* Stomach, Forestomach	* Stomach, Glandular
* Testes	* Thyroid Gland	* Trachea	* Urinary Bladder

**MISSING**

\* Mammary Gland

**OBSERVATIONS**

\* Adren Medulla

Note: Adrenal medullary tissue (of normal appearance) forms small accessory nodules at capsule which are analogous to accessory adrenal cortical nodules.

\* Gallbladder Cyst Multiple, Mild

Harderian Gland Adenoma

[ Adenoma TGLS = 3-22 ]

\* Kidney Metaplasia Osseous, Focal, Mild  
Nephropathy Minimal

Note: Kidney: Lesion of osseous metaplasia is unusual by having a well-defined area of bone marrow tissue.

\* Liver Hepatocyte Eosinophilic Focus Minimal  
Hepatocellular Adenoma Multiple  
Infiltration Cellular Mixed Cell, Minimal

[ Eosinophilic Focus TGLS = 4-24 ]

[ Hepatocellular Adenoma TGLS = 1-21 ]

\* Lung Alveolar/Bronchiolar Carcinoma

[ Alveolar/Bronchiolar Carcinoma TGLS = 2-23 ]

\* Nose Olfactory Epi Cytoplasmic Alteration Mild  
Respirat Epith Cytoplasmic Alteration Moderate

\* Thymus Cyst Minimal

PRIMARY CAUSE OF DEATH -

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 93023-07  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** 2,4-Hexadienal  
**CAS Number:** 142-83-6

**Date Report Requested:** 10/20/2014  
**Time Report Requested:** 13:41:48  
**First Dose M/F:** NA / NA  
**Lab:** SRI

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**ANIMAL ID:** 43

**TRT#:** 1

**SEX:** Male

**DAY ON TEST:** 730

**DOSE:** 0 MG/KG/DY

**DISP:** Terminal Sacrifice

**HISTO:** 99-87248

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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\* PROTOCOL REQUIRED TISSUE



Experiment Number: 93023-07

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: 2,4-Hexadienal

CAS Number: 142-83-6

Date Report Requested: 10/20/2014

Time Report Requested: 13:41:48

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 44

TRT#: 1

SEX: Male

DAY ON TEST: 732

DOSE: 0 MG/KG/DY

DISP: Terminal Sacrifice

HISTO: 99-87249

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* 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	* Pancreas
* Parathyroid Gland	* Pituitary Gland	* Prostate	* Salivary Glands
* Seminal Vesicle	* Skin	* Stomach, Forestomach	* Stomach, Glandular
* Testes	* Thymus	* Thyroid Gland	* Trachea
* Urinary Bladder			

MISSING

\* Mammary Gland

OBSERVATIONS

* Kidney		Nephropathy	Mild
* Liver		Hepatoblastoma	
		Hepatocellular Adenoma	
	Hepatocyte	Vacuolization Cytoplasmic	Focal, Minimal
	[ Hepatoblastoma TGLS = 5-23 ]		
	[ Hepatocellular Adenoma TGLS = 4-22 ]		
	[ Vacuolization Cytoplasmic TGLS = 6-6 ]		
Mesentery	Fat	Necrosis	Mild
	[ Necrosis TGLS = 2-21 ]		
* Nose	Respirat Epith	Cytoplasmic Alteration	Minimal
* Preputial Gland		Degeneration	Cystic, Moderate
	[ Degeneration TGLS = 1-8 ]		
* Spleen		Hematopoietic Cell Proliferation	Moderate
	[ Hematopoietic Cell Proliferation TGLS = 3-6 ]		

PRIMARY CAUSE OF DEATH

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\* PROTOCOL REQUIRED TISSUE

Experiment Number: 93023-07

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: 2,4-Hexadienal

CAS Number: 142-83-6

Date Report Requested: 10/20/2014

Time Report Requested: 13:41:48

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 45

TRT#: 1

SEX: Male

DAY ON TEST: 730

DOSE: 0 MG/KG/DY

DISP: Terminal Sacrifice

HISTO: 99-87250

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* 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, Mesenteric	* Pancreas	* Parathyroid Gland
* Pituitary Gland	* Preputial Gland	* Prostate	* Salivary Glands
* Seminal Vesicle	* Spleen	* Stomach, Forestomach	* Stomach, Glandular
* Testes	* Thymus	* Thyroid Gland	* Trachea
* Urinary Bladder			

MISSING

\* Mammary Gland

OBSERVATIONS

\* Adren Medulla

Note: Medulla of one adrenal gland is missing.

* Kidney		Nephropathy	Minimal
* Liver		Hemangiosarcoma	
		Hepatocellular Adenoma	
		Infiltration Cellular	Mixed Cell, Minimal
	Hepatocyte	Vacuolization Cytoplasmic	Focal, Minimal
	[ Hemangiosarcoma TGLS = 4-6 ]		
	[ Hepatocellular Adenoma TGLS = 3-6 ]		
	[ Vacuolization Cytoplasmic TGLS = 3-6 ]		
* Lymph Node, Mandibular		Hyperplasia	Plasma Cell, Moderate
Mesentery	Fat	Necrosis	Mild
	[ Necrosis TGLS = 2-22 ]		
* Nose	Olfactory Epi	Cytoplasmic Alteration	Minimal
	Respirat Epith	Cytoplasmic Alteration	Moderate
* Skin	Prepuce	Squamous Cell Papilloma	
	[ Squamous Cell Papilloma TGLS = 1-21 ]		
Tooth		Malformation	Mild

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 93023-07  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** 2,4-Hexadienal  
**CAS Number:** 142-83-6

**Date Report Requested:** 10/20/2014  
**Time Report Requested:** 13:41:48  
**First Dose M/F:** NA / NA  
**Lab:** SRI

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**ANIMAL ID:** 45

**TRT#:** 1

**SEX:** Male

**DAY ON TEST:** 730

**DOSE:** 0 MG/KG/DY

**DISP:** Terminal Sacrifice

**HISTO:** 99-87250

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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PRIMARY CAUSE OF DEATH

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 93023-07  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** 2,4-Hexadienal  
**CAS Number:** 142-83-6

**Date Report Requested:** 10/20/2014  
**Time Report Requested:** 13:41:48  
**First Dose M/F:** NA / NA  
**Lab:** SRI

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<b>ANIMAL ID:</b> 46	<b>TRT#:</b> 1	<b>SEX:</b> Male	<b>DAY ON TEST:</b> 729
	<b>DOSE:</b> 0 MG/KG/DY	<b>DISP:</b> Terminal Sacrifice	<b>HISTO:</b> 99-87251

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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**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	* Pancreas	* Parathyroid Gland
* Pituitary Gland	* Preputial Gland	* Prostate	* Salivary Glands
* Seminal Vesicle	* Skin	* Stomach, Forestomach	* Stomach, Glandular
* Testes	* Thymus	* Thyroid Gland	* Trachea
* Urinary Bladder			

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**MISSING**

\* Mammary Gland

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**OBSERVATIONS**

* Adrenal Cortex	Subcapsular	Adenoma	
* Kidney		Nephropathy	Mild
* Liver		Hepatocellular Adenoma	
		Infiltration Cellular	Mixed Cell, Minimal
	Hepatocyte, Midzonal	Vacuolization Cytoplasmic	Mild
	[ Hepatocellular Adenoma TGLS = 2-21 ]		
* Nose	Respirat Epith	Cytoplasmic Alteration	Mild
* Spleen		Hemangiosarcoma	
	[ Hemangiosarcoma TGLS = 1-22 ]		

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PRIMARY CAUSE OF DEATH

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 93023-07  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** 2,4-Hexadienal  
**CAS Number:** 142-83-6

**Date Report Requested:** 10/20/2014  
**Time Report Requested:** 13:41:48  
**First Dose M/F:** NA / NA  
**Lab:** SRI

**ANIMAL ID:** 47

**TRT#:** 1

**SEX:** Male

**DAY ON TEST:** 729

**DOSE:** 0 MG/KG/DY

**DISP:** Terminal Sacrifice

**HISTO:** 99-87252

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

* Adrenal Cortex	* 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, Mandibular	* Lymph Node, Mesenteric	* Pancreas	* Parathyroid Gland
* Pituitary Gland	* Prostate	* Salivary Glands	* Seminal Vesicle
* Spleen	* Stomach, Forestomach	* Stomach, Glandular	* Testes
* Thymus	* Thyroid Gland	* Trachea	* Urinary Bladder

**MISSING**

\* Mammary Gland

**OBSERVATIONS**

* Kidney		Nephropathy	Minimal
* Liver		Infiltration Cellular	Mixed Cell, Minimal
	Hepatocyte, Midzonal	Vacuolization Cytoplasmic	Minimal
* Lung		Alveolar/Bronchiolar Adenoma	
Mesentery		Hemorrhage	Focal, Mild
	Fat	Necrosis	Moderate
	[ Hemorrhage TGLS = 4-23 ]		
	[ Necrosis TGLS = 3-22, 4-23 ]		
* Nose	Olfactory Epi	Cytoplasmic Alteration	Mild
	Respirat Epith	Cytoplasmic Alteration	Mild
* Preputial Gland		Degeneration	Cystic, Moderate
	[ Degeneration TGLS = 1-8 ]		
* Skin	Subcut Tiss	Congestion	Focal, Mild
	[ Congestion TGLS = 2-21 ]		
Tooth	Peridont Tiss	Inflammation	Chronic, Mild
		Malformation	Mild

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 93023-07  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** 2,4-Hexadienal  
**CAS Number:** 142-83-6

**Date Report Requested:** 10/20/2014  
**Time Report Requested:** 13:41:48  
**First Dose M/F:** NA / NA  
**Lab:** SRI

**ANIMAL ID:** 48

**TRT#:** 1

**SEX:** Male

**DAY ON TEST:** 731

**DOSE:** 0 MG/KG/DY

**DISP:** Terminal Sacrifice

**HISTO:** 99-87253

**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	* 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	Focal, Mild
* Kidney		Nephropathy	Minimal
* Liver		Hepatocellular Adenoma	
		Infiltration Cellular	Mixed Cell, Minimal
	Hepatocyte	Vacuolization Cytoplasmic	Focal, Mild
	Hepatocyte, Midzonal	Vacuolization Cytoplasmic	Moderate
	[ Hepatocellular Adenoma TGLS = 3-23 ]		
	[ Vacuolization Cytoplasmic TGLS = 2-22 ]		
Mesentery	Fat	Necrosis	Moderate
	[ Necrosis TGLS = 1-21 ]		
* Nose		Inflammation	Suppurative, Mild
Tooth		Malformation	Moderate

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 93023-07  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** 2,4-Hexadienal  
**CAS Number:** 142-83-6

**Date Report Requested:** 10/20/2014  
**Time Report Requested:** 13:41:48  
**First Dose M/F:** NA / NA  
**Lab:** SRI

**ANIMAL ID:** 49

**TRT#:** 1

**SEX:** Male

**DAY ON TEST:** 732

**DOSE:** 0 MG/KG/DY

**DISP:** Terminal Sacrifice

**HISTO:** 99-87254

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

* Adrenal Cortex	* 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, Mandibular	* Lymph Node, Mesenteric	* Mammary Gland	* 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	

**OBSERVATIONS**

* Kidney		Nephropathy	Minimal
* Liver		Hepatoblastoma	
	Hepatocyte, Midzonal	Hepatocellular Adenoma	Multiple
	[ Hepatoblastoma TGLS = 4-23 ]	Vacuolization Cytoplasmic	Mild
	[ Hepatocellular Adenoma TGLS = 2-6, 3-22 ]		
	[ Vacuolization Cytoplasmic TGLS = 2-6 ]		
* Lung		Alveolar/Bronchiolar Carcinoma	
	[ Alveolar/Bronchiolar Carcinoma TGLS = 5-24 ]		
Mesentery	Fat	Necrosis	Moderate
	[ Necrosis TGLS = 1-21 ]		
* Nose	Olfactory Epi	Cytoplasmic Alteration	Minimal
	Respirat Epith	Cytoplasmic Alteration	Mild
Tooth	Peridont Tiss	Inflammation	Chronic, Mild

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 93023-07  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** 2,4-Hexadienal  
**CAS Number:** 142-83-6

**Date Report Requested:** 10/20/2014  
**Time Report Requested:** 13:41:48  
**First Dose M/F:** NA / NA  
**Lab:** SRI

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<b>ANIMAL ID:</b> 50	<b>TRT#:</b> 1	<b>SEX:</b> Male	<b>DAY ON TEST:</b> 729
	<b>DOSE:</b> 0 MG/KG/DY	<b>DISP:</b> Terminal Sacrifice	<b>HISTO:</b> 99-87255

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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**NORMAL**

* Adrenal Cortex	* 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	* Pancreas
* Parathyroid Gland	* Pituitary Gland	* Preputial Gland	* Prostate
* Salivary Glands	* Seminal Vesicle	* Skin	* Spleen
* Stomach, Forestomach	* Stomach, Glandular	* Testes	* Thymus
* Trachea	* Urinary Bladder		

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**MISSING**

\* Mammary Gland

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**OBSERVATIONS**

* Kidney		Nephropathy	Mild
* Liver		Hepatocellular Adenoma	Multiple
		Infiltration Cellular	Mixed Cell, Minimal
	[ Hepatocellular Adenoma TGLS = 1-21, 2-22 ]		
* Nose	Respirat Epith	Cytoplasmic Alteration	Mild
* Thyroid Gland		Degeneration	Cystic, Focal, Mild

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PRIMARY CAUSE OF DEATH

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\* PROTOCOL REQUIRED TISSUE



**Experiment Number:** 93023-07  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** 2,4-Hexadienal  
**CAS Number:** 142-83-6

**Date Report Requested:** 10/20/2014  
**Time Report Requested:** 13:41:48  
**First Dose M/F:** NA / NA  
**Lab:** SRI

**ANIMAL ID:** 51

**TRT#:** 3

**SEX:** Male

**DAY ON TEST:** 730

**DOSE:** 30 MG/KG/DY

**DISP:** Terminal Sacrifice

**HISTO:** 99-87398

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

* Adrenal Cortex	* 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, 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**

Eye	Cornea	Hyperplasia	Squamous, Focal, Minimal
	Cornea	Inflammation	Focal, Minimal
[ Hyperplasia TGLS = 1-21 ]			
[ Inflammation TGLS = 1-21 ]			
Harderian Gland		Adenoma	
[ Adenoma TGLS = 5-25 ]			
* Kidney		Nephropathy	Mild
[ Nephropathy TGLS = 3-23 ]			
* Liver	Hepatocyte	Basophilic Focus	Minimal
		Hepatocellular Adenoma	
		Infiltration Cellular	Mixed Cell, Minimal
[ Hepatocellular Adenoma TGLS = 4-24 ]			
* Lung		Alveolar/Bronchiolar Adenoma	
Mesentery	Fat	Necrosis	Mild
[ Necrosis TGLS = 2-22 ]			
* Nose	Olfactory Epi	Cytoplasmic Alteration	Minimal
	Respirat Epith	Cytoplasmic Alteration	Minimal
* Thymus		Cyst	Minimal

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 93023-07  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** 2,4-Hexadienal  
**CAS Number:** 142-83-6

**Date Report Requested:** 10/20/2014  
**Time Report Requested:** 13:41:48  
**First Dose M/F:** NA / NA  
**Lab:** SRI

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**ANIMAL ID:** 51

**TRT#:** 3

**SEX:** Male

**DAY ON TEST:** 730

**DOSE:** 30 MG/KG/DY

**DISP:** Terminal Sacrifice

**HISTO:** 99-87398

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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PRIMARY CAUSE OF DEATH

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 93023-07  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** 2,4-Hexadienal  
**CAS Number:** 142-83-6

**Date Report Requested:** 10/20/2014  
**Time Report Requested:** 13:41:48  
**First Dose M/F:** NA / NA  
**Lab:** SRI

**ANIMAL ID:** 52

**TRT#:** 3

**SEX:** Male

**DAY ON TEST:** 643

**DOSE:** 30 MG/KG/DY

**DISP:** Moribund Sacrifice

**HISTO:** 99-86344

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

* Adrenal Cortex	* Adrenal Medulla	* 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, Mandibular
* Lymph Node, Mesenteric	* 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**

* Bone Harderian Gland [ Carcinoma TGLS = 6-24 ]	Cranium	Carcinoma Carcinoma	Metastatic (Harderian Gland)
* Kidney		Nephropathy	Mild
* Liver [ Hepatocellular Adenoma TGLS = 4-23 ] [ Mixed Cell Focus TGLS = 3-6 ]		Hepatocellular Adenoma Infiltration Cellular Mixed Cell Focus	Mixed Cell, Minimal
* Lung Mesentery [ Necrosis TGLS = 1-21, 2-22 ]	Alveolar Epith Fat	Carcinoma Hyperplasia Necrosis	Metastatic (Harderian Gland) Minimal Moderate
* Nose	Respirat Epith	Carcinoma Cytoplasmic Alteration	Metastatic (Harderian Gland) Mild
* Thymus		Cyst	Mild
* Thyroid Gland		Degeneration	Cystic, Focal, Mild

**PRIMARY CAUSE OF DEATH** - Harderian Gland Carcinoma

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 93023-07  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** 2,4-Hexadienal  
**CAS Number:** 142-83-6

**Date Report Requested:** 10/20/2014  
**Time Report Requested:** 13:41:48  
**First Dose M/F:** NA / NA  
**Lab:** SRI

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<b>ANIMAL ID:</b> 53	<b>TRT#:</b> 3	<b>SEX:</b> Male	<b>DAY ON TEST:</b> 731
	<b>DOSE:</b> 30 MG/KG/DY	<b>DISP:</b> Terminal Sacrifice	<b>HISTO:</b> 99-87399

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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**NORMAL**

* Adrenal Cortex	* 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
* Liver	* Lung	* 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
* Thymus	* Thyroid Gland	* Trachea	* Urinary Bladder

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**MISSING**

\* Mammary Gland

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**OBSERVATIONS**

* Kidney		Nephropathy	Mild
Mesentery	Fat	Necrosis	Mild
[ Necrosis TGLS = 1-21 ]			
* Nose	Respirat Epith	Cytoplasmic Alteration	Minimal

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**PRIMARY CAUSE OF DEATH**

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 93023-07  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** 2,4-Hexadienal  
**CAS Number:** 142-83-6

**Date Report Requested:** 10/20/2014  
**Time Report Requested:** 13:41:48  
**First Dose M/F:** NA / NA  
**Lab:** SRI

**ANIMAL ID:** 54

**TRT#:** 3

**SEX:** Male

**DAY ON TEST:** 650

**DOSE:** 30 MG/KG/DY

**DISP:** Natural Death

**HISTO:** 99-86345

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Brain	* Epididymis	* Esophagus	* Gallbladder
* Heart	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Lung	* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Pancreas
* Parathyroid Gland	* Prostate	* Salivary Glands	* Seminal Vesicle
* Skin	* Spleen	* 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**

* Islets, Pancreatic [ Hyperplasia TGLS = 3-7 ]		Hyperplasia	Mild
* Kidney [ Congestion TGLS = 4-5 ]		Congestion Nephropathy	Moderate Mild
* Liver Mesentery [ Necrosis TGLS = 2-21 ]	Hepatocyte Fat	Cytomegaly Necrosis	Moderate Moderate
* Nose	Respirat Epith	Cytoplasmic Alteration	Moderate
* Pituitary Gland	Pars Distalis	Hyperplasia	Focal, Mild
* Preputial Gland [ Degeneration TGLS = 1-8 ]		Degeneration	Cystic, Moderate
* Thymus		Cyst	Mild

**PRIMARY CAUSE OF DEATH**

- Mesentery Fat Necrosis

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 93023-07  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** 2,4-Hexadienal  
**CAS Number:** 142-83-6

**Date Report Requested:** 10/20/2014  
**Time Report Requested:** 13:41:48  
**First Dose M/F:** NA / NA  
**Lab:** SRI

<b>ANIMAL ID:</b> 55	<b>TRT#:</b> 3	<b>SEX:</b> Male	<b>DAY ON TEST:</b> 353
	<b>DOSE:</b> 30 MG/KG/DY	<b>DISP:</b> Natural Death	<b>HISTO:</b> 98-83924

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Brain	* Epididymis	* Esophagus	* Islets, Pancreatic
* Lung	* Lymph Node, Mesenteric	* Nose	* Pancreas
* Parathyroid Gland	* Prostate	* Salivary Glands	* Seminal Vesicle
* Skin	* Testes	* Thyroid Gland	* Trachea
* Urinary Bladder			

**MISSING**

* Lymph Node, Mandibular	* Mammary Gland	* Pituitary Gland
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**AUTO PRECLUDES DIAG.**

* Gallbladder	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Kidney
* Stomach, Glandular			

**INSUFFICIENT TISSUE**

\* Thymus

**OBSERVATIONS**

* Heart		Mineralization	Focal, Mild
* Liver		Hemorrhage	Focal, Mild
		Infiltration Cellular	Mixed Cell, Mild
		Necrosis	Focal, Mild
	Hepatocyte	Vacuolization Cytoplasmic	Focal, Moderate
Peritoneum		Inflammation	Focal, Moderate
* Preputial Gland		Degeneration	Cystic, Moderate
[ Degeneration TGLS = 1-8 ]			
* Spleen		Hematopoietic Cell Proliferation	Marked
[ Hematopoietic Cell Proliferation TGLS = 3-6 ]			
* Stomach, Forestomach	Epithelium	Hyperplasia	Squamous, Minimal

**PRIMARY CAUSE OF DEATH** - Peritoneum Inflammation

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 93023-07  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** 2,4-Hexadienal  
**CAS Number:** 142-83-6

**Date Report Requested:** 10/20/2014  
**Time Report Requested:** 13:41:48  
**First Dose M/F:** NA / NA  
**Lab:** SRI

**ANIMAL ID:** 56

**TRT#:** 3

**SEX:** Male

**DAY ON TEST:** 732

**DOSE:** 30 MG/KG/DY

**DISP:** Terminal Sacrifice

**HISTO:** 99-87400

**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	* Islets, Pancreatic	* Lung	* 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	Adenoma	
* Intestine Small, Jejunum	Peyers Patch	Hyperplasia	Histiocytic, Mild
* Kidney		Nephropathy	Mild
* Liver		Hepatocellular Adenoma	Multiple
		Hyperplasia	Histiocytic, Moderate
		Hyperplasia	Lymphoid, Moderate
		Infiltration Cellular	Mixed Cell, Moderate
[ Hepatocellular Adenoma TGLS = 2-6 ]			
[ Hyperplasia TGLS = 2-6 ]			
* Lymph Node, Mesenteric		Hyperplasia	Histiocytic, Mild
[ Hyperplasia TGLS = 3-5 ]			
* Nose	Olfactory Epi	Cytoplasmic Alteration	Minimal
	Respirat Epith	Cytoplasmic Alteration	Mild
* Spleen		Hematopoietic Cell Proliferation	Mild
		Hyperplasia	Histiocytic, Mild
[ Hematopoietic Cell Proliferation TGLS = 1-6 ]			
* Thymus		Cyst	Mild
Tooth	Peridont Tiss	Inflammation	Chronic, Moderate
		Malformation	Moderate

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 93023-07  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** 2,4-Hexadienal  
**CAS Number:** 142-83-6

**Date Report Requested:** 10/20/2014  
**Time Report Requested:** 13:41:48  
**First Dose M/F:** NA / NA  
**Lab:** SRI

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**ANIMAL ID:** 56

**TRT#:** 3

**SEX:** Male

**DAY ON TEST:** 732

**DOSE:** 30 MG/KG/DY

**DISP:** Terminal Sacrifice

**HISTO:** 99-87400

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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PRIMARY CAUSE OF DEATH

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\* PROTOCOL REQUIRED TISSUE



**Experiment Number:** 93023-07  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** 2,4-Hexadienal  
**CAS Number:** 142-83-6

**Date Report Requested:** 10/20/2014  
**Time Report Requested:** 13:41:48  
**First Dose M/F:** NA / NA  
**Lab:** SRI

**ANIMAL ID:** 57

**TRT#:** 3

**SEX:** Male

**DAY ON TEST:** 672

**DOSE:** 30 MG/KG/DY

**DISP:** Moribund Sacrifice

**HISTO:** 99-86610

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

* Adrenal Cortex	* 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
* Liver	* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Parathyroid Gland
* Pituitary Gland	* Prostate	* Salivary Glands	* Seminal Vesicle
* Skin	* Stomach, Forestomach	* Stomach, Glandular	* Testes
* Trachea	* Urinary Bladder		

**MISSING**

\* Mammary Gland

**OBSERVATIONS**

* Kidney		Metaplasia Nephropathy	Osseous, Focal, Minimal Minimal
* Lung		Metaplasia	Osseous, Focal, Minimal
Mesentery	Fat	Inflammation Necrosis	Chronic, Mild Moderate
		[ Inflammation TGLS = 7-22 ]	
		[ Necrosis TGLS = 4-21 ]	
* Nose	Olfactory Epi Respirat Epith	Cytoplasmic Alteration Cytoplasmic Alteration	Minimal Moderate
* Pancreas	Acinus	Cytoplasmic Alteration	Moderate
		Note: Pancreas: Cytoplasmic alteration is depletion of secretion granules in acinar cells.	
		[ Cytoplasmic Alteration TGLS = 6-7 ]	
* Preputial Gland		Degeneration	Cystic, Moderate
		[ Degeneration TGLS = 2-8-1 ]	
* Spleen		Depletion Cellular	Moderate
		[ Depletion Cellular TGLS = 5-6 ]	
* Thymus		Atrophy	Moderate
		[ Atrophy TGLS = 3-2 ]	
* Thyroid Gland		Degeneration	Cystic, Focal, Mild

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 93023-07  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** 2,4-Hexadienal  
**CAS Number:** 142-83-6

**Date Report Requested:** 10/20/2014  
**Time Report Requested:** 13:41:48  
**First Dose M/F:** NA / NA  
**Lab:** SRI

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<b>ANIMAL ID:</b> 57	<b>TRT#:</b> 3	<b>SEX:</b> Male	<b>DAY ON TEST:</b> 672
	<b>DOSE:</b> 30 MG/KG/DY	<b>DISP:</b> Moribund Sacrifice	<b>HISTO:</b> 99-86610

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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Tooth		Malformation	Moderate
<b>PRIMARY CAUSE OF DEATH</b>	- UNCERTAIN		

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 93023-07  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** 2,4-Hexadienal  
**CAS Number:** 142-83-6

**Date Report Requested:** 10/20/2014  
**Time Report Requested:** 13:41:48  
**First Dose M/F:** NA / NA  
**Lab:** SRI

**ANIMAL ID:** 58

**TRT#:** 3

**SEX:** Male

**DAY ON TEST:** 731

**DOSE:** 30 MG/KG/DY

**DISP:** Terminal Sacrifice

**HISTO:** 99-87401

**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	* Pancreas	* Parathyroid Gland
* Pituitary Gland	* Prostate	* Salivary Glands	* Seminal Vesicle
* Spleen	* Stomach, Glandular	* Testes	* Thymus
* Thyroid Gland	* Trachea	* Urinary Bladder	

**MISSING**

\* Mammary Gland

**OBSERVATIONS**

* Adrenal Cortex	Subcapsular	Hyperplasia	Focal, Minimal
* Kidney	Papilla	Cyst	Mild
		Necrosis	Moderate
		Nephropathy	Mild
* Liver	Hepatocyte	Eosinophilic Focus	Mild
		Hepatocellular Adenoma	
		[ Eosinophilic Focus TGLS = 5-23.1 ]	
		[ Hepatocellular Adenoma TGLS = 4-22 ]	
* Nose	Olfactory Epi	Cytoplasmic Alteration	Mild
	Respirat Epith	Cytoplasmic Alteration	Mild
		Inflammation	Suppurative, Minimal
* Preputial Gland		Degeneration	Cystic, Moderate
		[ Degeneration TGLS = 2-8 ]	
* Skin	Subcut Tiss	Hemangiosarcoma	
		[ Hemangiosarcoma TGLS = 1-21 ]	
* Stomach, Forestomach	Epithelium	Hyperplasia	Squamous, Minimal
		[ Hyperplasia TGLS = 6-24 ]	
Tooth		Malformation	Mild

PRIMARY CAUSE OF DEATH

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 93023-07  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** 2,4-Hexadienal  
**CAS Number:** 142-83-6

**Date Report Requested:** 10/20/2014  
**Time Report Requested:** 13:41:48  
**First Dose M/F:** NA / NA  
**Lab:** SRI

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**ANIMAL ID:** 58

**TRT#:** 3

**SEX:** Male

**DAY ON TEST:** 731

**DOSE:** 30 MG/KG/DY

**DISP:** Terminal Sacrifice

**HISTO:** 99-87401

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 93023-07  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** 2,4-Hexadienal  
**CAS Number:** 142-83-6

**Date Report Requested:** 10/20/2014  
**Time Report Requested:** 13:41:48  
**First Dose M/F:** NA / NA  
**Lab:** SRI

**ANIMAL ID:** 59

**TRT#:** 3

**SEX:** Male

**DAY ON TEST:** 731

**DOSE:** 30 MG/KG/DY

**DISP:** Terminal Sacrifice

**HISTO:** 99-87402

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

* Adrenal Cortex	* 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	* Pancreas
* Parathyroid Gland	* Preputial Gland	* Prostate	* Salivary Glands
* Seminal Vesicle	* Skin	* Spleen	* Stomach, Forestomach
* Stomach, Glandular	* Testes	* Thymus	* Thyroid Gland
* Trachea	* Urinary Bladder		

**MISSING**

* Mammary Gland	* Pituitary Gland
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**OBSERVATIONS**

Harderian Gland		Adenoma	
[ Adenoma TGLS = 2-22 ]			
* Kidney		Cyst	Minimal
		Nephropathy	Mild
* Liver		Hepatocellular Adenoma	
	Hepatocyte	Mixed Cell Focus	Minimal
[ Hepatocellular Adenoma TGLS = 1-21 ]			
* Nose	Olfactory Epi	Cytoplasmic Alteration	Minimal
	Respirat Epith	Cytoplasmic Alteration	Minimal
		Inflammation	Suppurative, Mild

**PRIMARY CAUSE OF DEATH**

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 93023-07  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** 2,4-Hexadienal  
**CAS Number:** 142-83-6

**Date Report Requested:** 10/20/2014  
**Time Report Requested:** 13:41:49  
**First Dose M/F:** NA / NA  
**Lab:** SRI

**ANIMAL ID:** 60

**TRT#:** 3

**SEX:** Male

**DAY ON TEST:** 504

**DOSE:** 30 MG/KG/DY

**DISP:** Natural Death

**HISTO:** 98-85140

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Brain
* Esophagus	* Gallbladder	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Pancreas	* Parathyroid Gland	* Salivary Glands
* Skin	* Stomach, Glandular	* Testes	* Thyroid Gland
* Trachea	* Urinary Bladder		

**MISSING**

* Lymph Node, Mesenteric	* Mammary Gland
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**OBSERVATIONS**

* Bone Marrow		Lymphoma Malignant	
Coagulating Gland		Lymphoma Malignant	
* Epididymis		Lymphoma Malignant	
* Heart		Lymphoma Malignant	
* Kidney		Lymphoma Malignant	
* Liver		Lymphoma Malignant	
* Lung	Mediastinum	Lymphoma Malignant	
		Lymphoma Malignant	
		[ Lymphoma Malignant TGLS = 5-2 ]	
		[ Lymphoma Malignant TGLS = 3-21, 4-22 ]	
Lymph Node	Inguinal	Lymphoma Malignant	
* Lymph Node, Mandibular		Lymphoma Malignant	
Mesentery		Lymphoma Malignant	
	Fat	Necrosis	Moderate
		[ Lymphoma Malignant TGLS = 7-23 ]	
		[ Necrosis TGLS = 7-23 ]	
* Nose	Respirat Epith	Cytoplasmic Alteration	Mild
		Lymphoma Malignant	
* Pituitary Gland		Lymphoma Malignant	
* Preputial Gland		Lymphoma Malignant	
* Prostate		Lymphoma Malignant	

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 93023-07  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** 2,4-Hexadienal  
**CAS Number:** 142-83-6

**Date Report Requested:** 10/20/2014  
**Time Report Requested:** 13:41:49  
**First Dose M/F:** NA / NA  
**Lab:** SRI

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<b>ANIMAL ID:</b> 60	<b>TRT#:</b> 3	<b>SEX:</b> Male	<b>DAY ON TEST:</b> 504
	<b>DOSE:</b> 30 MG/KG/DY	<b>DISP:</b> Natural Death	<b>HISTO:</b> 98-85140

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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* Seminal Vesicle		Lymphoma Malignant	
* Spleen		Lymphoma Malignant	
[ Lymphoma Malignant TGLS = 1-6 ]			
* Stomach, Forestomach	Epithelium	Hyperplasia	Squamous, Minimal
* Thymus		Lymphoma Malignant	
[ Lymphoma Malignant TGLS = 3-21 ]			
Tooth		Lymphoma Malignant	
		Malformation	Moderate

Note: Sarcoma of tooth is lymphoma of tooth pulp, of upper incisor tooth.

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<b>PRIMARY CAUSE OF DEATH</b>	- Lung Mediastinum Lymphoma Malignant
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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 93023-07  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** 2,4-Hexadienal  
**CAS Number:** 142-83-6

**Date Report Requested:** 10/20/2014  
**Time Report Requested:** 13:41:49  
**First Dose M/F:** NA / NA  
**Lab:** SRI

**ANIMAL ID:** 61

**TRT#:** 3

**SEX:** Male

**DAY ON TEST:** 730

**DOSE:** 30 MG/KG/DY

**DISP:** Terminal Sacrifice

**HISTO:** 99-87403

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

* Adrenal Cortex	* 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	* 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**

Harderian Gland		Adenoma	
[ Adenoma TGLS = 3-23 ]			
* Kidney		Nephropathy	Mild
* Liver		Hepatocellular Adenoma	
		Lymphoma Malignant	
	Hepatocyte	Mixed Cell Focus	Mild
[ Hepatocellular Adenoma TGLS = 2-22 ]			
* Lymph Node, Mandibular		Hyperplasia	Lymphoid, Moderate
* Lymph Node, Mesenteric		Lymphoma Malignant	
Mesentery	Fat	Necrosis	Moderate
[ Necrosis TGLS = 1-21 ]			
* Nose		Inflammation	Suppurative, Minimal
* Spleen		Lymphoma Malignant	
* Thymus		Lymphoma Malignant	

PRIMARY CAUSE OF DEATH

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\* PROTOCOL REQUIRED TISSUE



**Experiment Number:** 93023-07  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** 2,4-Hexadienal  
**CAS Number:** 142-83-6

**Date Report Requested:** 10/20/2014  
**Time Report Requested:** 13:41:49  
**First Dose M/F:** NA / NA  
**Lab:** SRI

**ANIMAL ID:** 62                      **TRT#:** 3                      **SEX:** Male                      **DAY ON TEST:** 675  
**DOSE:** 30    MG/KG/DY                      **DISP:** Natural Death                      **HISTO:** 99-86611

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

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

**MISSING**

* Lymph Node, Mandibular	* Mammary Gland
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**AUTO PRECLUDES DIAG.**

* Gallbladder	* Intestine Small, Ileum	* Intestine Small, Jejunum
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**OBSERVATIONS**

* Intestine Small, Duodenum [ Carcinoma TGLS = 4-22 ]		Carcinoma	
* Kidney		Nephropathy	Moderate
* Liver [ Hepatocellular Carcinoma TGLS = 5-23 ]		Hepatocellular Carcinoma Infiltration Cellular	Mixed Cell, Mild
Mesentery [ Necrosis TGLS = 2-21 ]	Fat	Necrosis	Moderate
* Nose	Respirat Epith	Cytoplasmic Alteration	Moderate
* Preputial Gland [ Degeneration TGLS = 1-8-1 ]		Degeneration	Cystic, Moderate
* Spleen [ Hematopoietic Cell Proliferation TGLS = 3-6 ]		Hematopoietic Cell Proliferation	Moderate
Tooth	Peridont Tiss	Inflammation	Chronic, Minimal

**PRIMARY CAUSE OF DEATH**                      - Liver    Hepatocellular Carcinoma

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 93023-07  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** 2,4-Hexadienal  
**CAS Number:** 142-83-6

**Date Report Requested:** 10/20/2014  
**Time Report Requested:** 13:41:49  
**First Dose M/F:** NA / NA  
**Lab:** SRI

**ANIMAL ID:** 63                      **TRT#:** 3                      **SEX:** Male                      **DAY ON TEST:** 731  
**DOSE:** 30    MG/KG/DY                      **DISP:** Terminal Sacrifice                      **HISTO:** 99-87404

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

* Adrenal Cortex	* 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, 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**

* Kidney		Nephropathy	Minimal
* Liver		Hepatocellular Adenoma	Multiple
		Infiltration Cellular	Mixed Cell, Minimal
	Hepatocyte	Vacuolization Cytoplasmic	Focal, Minimal
	Hepatocyte, Midzonal	Vacuolization Cytoplasmic	Mild
	[ Hepatocellular Adenoma TGLS = 2-22, 3-23 ]		
* Lung		Alveolar/Bronchiolar Adenoma	
Mesentery	Fat	Necrosis	Mild
	[ Necrosis TGLS = 1-21 ]		
* Nose	Olfactory Epi	Cytoplasmic Alteration	Minimal
	Respirat Epith	Cytoplasmic Alteration	Mild
* Spleen		Hematopoietic Cell Proliferation	Mild

PRIMARY CAUSE OF DEATH

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 93023-07  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** 2,4-Hexadienal  
**CAS Number:** 142-83-6

**Date Report Requested:** 10/20/2014  
**Time Report Requested:** 13:41:49  
**First Dose M/F:** NA / NA  
**Lab:** SRI

**ANIMAL ID:** 64

**TRT#:** 3

**SEX:** Male

**DAY ON TEST:** 730

**DOSE:** 30 MG/KG/DY

**DISP:** Terminal Sacrifice

**HISTO:** 99-87405

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

* Adrenal Cortex	* 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, 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**

* Kidney		Cyst	Minimal
		Nephropathy	Mild
* Liver		Hepatocellular Adenoma	Multiple
		Hepatocellular Carcinoma	
		Infiltration Cellular	Mixed Cell, Minimal
	Hepatocyte	Vacuolization Cytoplasmic	Focal, Mild
	Hepatocyte, Midzonal	Vacuolization Cytoplasmic	Mild
	[ Hepatocellular Adenoma TGLS = 3-22, 5-24 ]		
	[ Hepatocellular Carcinoma TGLS = 4-23 ]		
* Lung		Alveolar/Bronchiolar Adenoma	
	Alveolar Epith	Hyperplasia	Minimal
	[ Alveolar/Bronchiolar Adenoma TGLS = 1-2 ]		
Mesentery	Fat	Necrosis	Mild
	[ Necrosis TGLS = 2-21 ]		
* Nose	Olfactory Epi	Cytoplasmic Alteration	Minimal
	Respirat Epith	Cytoplasmic Alteration	Moderate
* Spleen		Hematopoietic Cell Proliferation	Mild

PRIMARY CAUSE OF DEATH

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 93023-07  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** 2,4-Hexadienal  
**CAS Number:** 142-83-6

**Date Report Requested:** 10/20/2014  
**Time Report Requested:** 13:41:49  
**First Dose M/F:** NA / NA  
**Lab:** SRI

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**ANIMAL ID:** 64

**TRT#:** 3

**SEX:** Male

**DAY ON TEST:** 730

**DOSE:** 30 MG/KG/DY

**DISP:** Terminal Sacrifice

**HISTO:** 99-87405

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 93023-07  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** 2,4-Hexadienal  
**CAS Number:** 142-83-6

**Date Report Requested:** 10/20/2014  
**Time Report Requested:** 13:41:49  
**First Dose M/F:** NA / NA  
**Lab:** SRI

**ANIMAL ID:** 65

**TRT#:** 3

**SEX:** Male

**DAY ON TEST:** 730

**DOSE:** 30 MG/KG/DY

**DISP:** Terminal Sacrifice

**HISTO:** 99-87406

**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, Mandibular
* Lymph Node, Mesenteric	* Pancreas	* Parathyroid Gland	* Pituitary 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	Focal, Mild
* Kidney		Cyst	Mild
		Nephropathy	Mild
* Liver		Eosinophilic Focus	Multiple
		Hepatocellular Adenoma	Multiple
		Hepatocellular Carcinoma	Multiple
		Infiltration Cellular	Mixed Cell, Minimal
	Hepatocyte	Vacuolization Cytoplasmic	Focal, Mild
	[ Hepatocellular Adenoma TGLS = 4-22 ]		
	[ Hepatocellular Carcinoma TGLS = 3-6, 4-22 ]		
* Lung		Hyperplasia	Histiocytic, Mild
		Hyperplasia	Lymphoid, Mild
Mesentery	Fat	Necrosis	Moderate
* Nose	Respirat Epith	Cytoplasmic Alteration	Minimal
* Preputial Gland		Degeneration	Cystic, Moderate
		Inflammation	Chronic, Moderate

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 93023-07  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** 2,4-Hexadienal  
**CAS Number:** 142-83-6

**Date Report Requested:** 10/20/2014  
**Time Report Requested:** 13:41:49  
**First Dose M/F:** NA / NA  
**Lab:** SRI

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<b>ANIMAL ID:</b> 65	<b>TRT#:</b> 3	<b>SEX:</b> Male	<b>DAY ON TEST:</b> 730
	<b>DOSE:</b> 30 MG/KG/DY	<b>DISP:</b> Terminal Sacrifice	<b>HISTO:</b> 99-87406

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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[ Degeneration TGLS = 1-8 ]

[ Inflammation TGLS = 1-8 ]

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PRIMARY CAUSE OF DEATH

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 93023-07  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** 2,4-Hexadienal  
**CAS Number:** 142-83-6

**Date Report Requested:** 10/20/2014  
**Time Report Requested:** 13:41:49  
**First Dose M/F:** NA / NA  
**Lab:** SRI

**ANIMAL ID:** 66

**TRT#:** 3

**SEX:** Male

**DAY ON TEST:** 731

**DOSE:** 30 MG/KG/DY

**DISP:** Terminal Sacrifice

**HISTO:** 99-87407

**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, Mandibular
* Lymph Node, Mesenteric	* Pancreas	* Parathyroid Gland	* Pituitary Gland
* Prostate	* Salivary Glands	* Seminal Vesicle	* Skin
* Spleen	* Stomach, Forestomach	* Stomach, Glandular	* Testes
* Trachea	* Urinary Bladder		

**MISSING**

\* Mammary Gland

**OBSERVATIONS**

* Adrenal Cortex	Subcapsular	Adenoma	Multiple
Harderian Gland		Adenoma	
[ Adenoma TGLS = 1-21 ]			
* Kidney		Cyst	Minimal
		Nephropathy	Mild
* Liver		Congestion	Focal, Mild
		Infiltration Cellular	Mixed Cell, Minimal
[ Congestion TGLS = 2-6 ]			
* Lung		Alveolar/Bronchiolar Adenoma	
* Nose	Respirat Epith	Cytoplasmic Alteration	Mild
* Preputial Gland		Degeneration	Cystic, Moderate
[ Degeneration TGLS = 3-8 ]			
* Thymus		Cyst	Mild
* Thyroid Gland		Degeneration	Cystic, Focal, Mild

**PRIMARY CAUSE OF DEATH**

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 93023-07  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** 2,4-Hexadienal  
**CAS Number:** 142-83-6

**Date Report Requested:** 10/20/2014  
**Time Report Requested:** 13:41:49  
**First Dose M/F:** NA / NA  
**Lab:** SRI

**ANIMAL ID:** 67

**TRT#:** 3

**SEX:** Male

**DAY ON TEST:** 731

**DOSE:** 30 MG/KG/DY

**DISP:** Terminal Sacrifice

**HISTO:** 99-87408

**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, Mandibular
* Lymph Node, Mesenteric	* Pancreas	* Pituitary Gland	* Prostate
* Salivary Glands	* Seminal Vesicle	* Skin	* Spleen
* 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	Focal, Minimal
* Kidney		Nephropathy	Mild
* Liver	Hepatocyte	Hepatocellular Adenoma	Multiple
	Hepatocyte	Mixed Cell Focus	Minimal
	[ Hepatocellular Adenoma TGLS = 3-22, 4-23, 5-24 ]	Vacuolization Cytoplasmic	Focal, Mild
* Lung		Alveolar/Bronchiolar Adenoma	
		Infiltration Cellular	Mixed Cell, Focal, Minimal
	[ Alveolar/Bronchiolar Adenoma TGLS = 6-2 ]		
	[ Infiltration Cellular TGLS = 6-25 ]		
Mesentery	Fat	Necrosis	Moderate
	[ Necrosis TGLS = 2-21 ]		
* Nose	Respirat Epith	Cytoplasmic Alteration	Mild
* Preputial Gland		Degeneration	Cystic, Moderate
	[ Degeneration TGLS = 1-8 ]		
Tooth		Malformation	Mild

**PRIMARY CAUSE OF DEATH** -

\* PROTOCOL REQUIRED TISSUE



**Experiment Number:** 93023-07  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** 2,4-Hexadienal  
**CAS Number:** 142-83-6

**Date Report Requested:** 10/20/2014  
**Time Report Requested:** 13:41:49  
**First Dose M/F:** NA / NA  
**Lab:** SRI

<b>ANIMAL ID:</b> 68	<b>TRT#:</b> 3	<b>SEX:</b> Male	<b>DAY ON TEST:</b> 732
	<b>DOSE:</b> 30 MG/KG/DY	<b>DISP:</b> Terminal Sacrifice	<b>HISTO:</b> 99-87409

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

* Adrenal Cortex	* 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
* Liver	* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Pancreas
* Pituitary Gland	* Preputial Gland	* Prostate	* Salivary Glands
* Seminal Vesicle	* Skin	* Stomach, Glandular	* Testes
* Thyroid Gland	* Trachea	* Urinary Bladder	

**MISSING**

* Mammary Gland	* Parathyroid Gland
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**INSUFFICIENT TISSUE**

\* Thymus

**OBSERVATIONS**

* Adren Medulla			
Note: Medulla of one adrenal gland is missing.			
* Kidney		Nephropathy	Minimal
* Lung		Alveolar/Bronchiolar Carcinoma	
[ Alveolar/Bronchiolar Carcinoma TGLS = 2-2 ]			
* Nose	Olfactory Epi	Cytoplasmic Alteration	Minimal
	Respirat Epith	Cytoplasmic Alteration	Moderate
* Spleen		Hyperplasia	Lymphoid, Moderate
[ Hyperplasia TGLS = 1-6 ]			
* Stomach, Forestomach		Squamous Cell Papilloma	
Note: Forestomach lesion, diagnosed as squamous cell papilloma, was cut away at microtomy without obtaining section of its junction with mucosa.			
[ Squamous Cell Papilloma TGLS = 3-21 ]			
Tooth	Peridont Tiss	Inflammation	Chronic, Mild

PRIMARY CAUSE OF DEATH

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 93023-07  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** 2,4-Hexadienal  
**CAS Number:** 142-83-6

**Date Report Requested:** 10/20/2014  
**Time Report Requested:** 13:41:49  
**First Dose M/F:** NA / NA  
**Lab:** SRI

**ANIMAL ID:** 69                      **TRT#:** 3                      **SEX:** Male                      **DAY ON TEST:** 400  
**DOSE:** 30    MG/KG/DY                      **DISP:** Natural Death                      **HISTO:** 98-84340

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

* Adrenal Cortex	* 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, Mandibular	* Lymph Node, Mesenteric	* 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**

* Kidney		Atrophy	Focal, Minimal
* Liver		Hemangiosarcoma	
	Hepatocyte	Hepatocellular Carcinoma	Multiple
		Necrosis	Focal, Moderate
	[ Hemangiosarcoma TGLS = 5-21 ]		
	[ Hepatocellular Carcinoma TGLS = 5-21, 6-22, 7-23 ]		
* Lung		Infiltration Cellular	Mixed Cell, Minimal
* Nose	Olfactory Epi	Cytoplasmic Alteration	Mild
	Respirat Epith	Cytoplasmic Alteration	Mild
* Preputial Gland		Degeneration	Cystic, Moderate
	[ Degeneration TGLS = 1-8 ]		
* Spleen		Hematopoietic Cell Proliferation	Marked
	[ Hematopoietic Cell Proliferation TGLS = 4-6 ]		
* Thymus		Angiectasis	Mild
	[ Angiectasis TGLS = 8-2 ]		

**PRIMARY CAUSE OF DEATH**                      - Liver    Hepatocellular Carcinoma

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 93023-07  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** 2,4-Hexadienal  
**CAS Number:** 142-83-6

**Date Report Requested:** 10/20/2014  
**Time Report Requested:** 13:41:49  
**First Dose M/F:** NA / NA  
**Lab:** SRI

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<b>ANIMAL ID:</b> 70	<b>TRT#:</b> 3	<b>SEX:</b> Male	<b>DAY ON TEST:</b> 730
	<b>DOSE:</b> 30 MG/KG/DY	<b>DISP:</b> Terminal Sacrifice	<b>HISTO:</b> 99-87410

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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**NORMAL**

* Adrenal Cortex	* 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	* 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	

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**MISSING**

\* Mammary Gland

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**OBSERVATIONS**

* Kidney		Nephropathy	Mild
* Liver		Hepatocellular Adenoma	Multiple
		Infiltration Cellular	Mixed Cell, Minimal
	[ Hepatocellular Adenoma TGLS = 2-22, 3-23 ]		
Mesentery	Fat	Necrosis	Mild
	[ Necrosis TGLS = 1-21 ]		
* Nose	Vomeronas Org	Cyst	Mild
	Respirat Epith	Cytoplasmic Alteration	Mild
Tooth	Peridont Tiss	Inflammation	Chronic, Minimal

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PRIMARY CAUSE OF DEATH

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 93023-07  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** 2,4-Hexadienal  
**CAS Number:** 142-83-6

**Date Report Requested:** 10/20/2014  
**Time Report Requested:** 13:41:49  
**First Dose M/F:** NA / NA  
**Lab:** SRI

**ANIMAL ID:** 71

**TRT#:** 3

**SEX:** Male

**DAY ON TEST:** 731

**DOSE:** 30 MG/KG/DY

**DISP:** Terminal Sacrifice

**HISTO:** 99-87411

**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, Mandibular
* Lymph Node, Mesenteric	* 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	Adenoma	
* Kidney		Nephropathy	Mild
* Liver		Hepatocellular Adenoma	
	Hepatocyte	Vacuolization Cytoplasmic	Focal, Mild
	Hepatocyte, Midzonal	Vacuolization Cytoplasmic	Moderate
	[ Hepatocellular Adenoma TGLS = 1-6 ]		
	[ Vacuolization Cytoplasmic TGLS = 1-6 ]		
	[ Vacuolization Cytoplasmic TGLS = 1-6 ]		
* Lung	Alveolar Epith	Hyperplasia	Mild
	[ Hyperplasia TGLS = 2-21 ]		
* Nose	Olfactory Epi	Cytoplasmic Alteration	Minimal
	Respirat Epith	Cytoplasmic Alteration	Mild
		Inflammation	Suppurative, Moderate
Tooth		Malformation	Moderate

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 93023-07  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** 2,4-Hexadienal  
**CAS Number:** 142-83-6

**Date Report Requested:** 10/20/2014  
**Time Report Requested:** 13:41:49  
**First Dose M/F:** NA / NA  
**Lab:** SRI

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<b>ANIMAL ID:</b> 72	<b>TRT#:</b> 3	<b>SEX:</b> Male	<b>DAY ON TEST:</b> 730
	<b>DOSE:</b> 30 MG/KG/DY	<b>DISP:</b> Terminal Sacrifice	<b>HISTO:</b> 99-87412

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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**NORMAL**

* Adrenal Medulla	* Bone	* Bone Marrow	* Brain
* Epididymis	* Esophagus	* 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	* Pancreas	* Parathyroid Gland	* Pituitary Gland
* Prostate	* Salivary Glands	* Seminal Vesicle	* Skin
* Spleen	* Stomach, Forestomach	* Stomach, Glandular	* Testes
* Thymus	* Thyroid Gland	* Trachea	* Urinary Bladder

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**MISSING**

\* Mammary Gland

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**INSUFFICIENT TISSUE**

\* Gallbladder

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**OBSERVATIONS**

* Adrenal Cortex	Bilateral, Subcapsular	Adenoma	
* Kidney		Nephropathy	Minimal
* Liver		Hepatocellular Adenoma	
		Infiltration Cellular	Mixed Cell, Minimal
[ Hepatocellular Adenoma TGLS = 4-23 ]			
Mesentery	Fat	Necrosis	Moderate
[ Necrosis TGLS = 2-21, 3-22 ]			
* Nose	Respirat Epith	Cytoplasmic Alteration	Mild
* Preputial Gland		Degeneration	Cystic, Moderate
[ Degeneration TGLS = 1-8 ]			

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**PRIMARY CAUSE OF DEATH** -

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\* PROTOCOL REQUIRED TISSUE



**Experiment Number:** 93023-07  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** 2,4-Hexadienal  
**CAS Number:** 142-83-6

**Date Report Requested:** 10/20/2014  
**Time Report Requested:** 13:41:49  
**First Dose M/F:** NA / NA  
**Lab:** SRI

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<b>ANIMAL ID:</b> 73	<b>TRT#:</b> 3	<b>SEX:</b> Male	<b>DAY ON TEST:</b> 729
	<b>DOSE:</b> 30 MG/KG/DY	<b>DISP:</b> Terminal Sacrifice	<b>HISTO:</b> 99-87413

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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Respirat Epith	Cytoplasmic Alteration	Mild
Nasolacrim Dct	Inflammation	Mild

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PRIMARY CAUSE OF DEATH

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 93023-07  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** 2,4-Hexadienal  
**CAS Number:** 142-83-6

**Date Report Requested:** 10/20/2014  
**Time Report Requested:** 13:41:49  
**First Dose M/F:** NA / NA  
**Lab:** SRI

**ANIMAL ID:** 74

**TRT#:** 3

**SEX:** Male

**DAY ON TEST:** 729

**DOSE:** 30 MG/KG/DY

**DISP:** Terminal Sacrifice

**HISTO:** 99-87414

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

* Adrenal Cortex	* 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, Mandibular	* Lymph Node, Mesenteric	* 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**

Eye [ Inflammation TGLS = 1-21 ]	Cornea	Inflammation	Chronic, Moderate
Harderian Gland [ Adenoma TGLS = 3-22 ]		Adenoma	
* Kidney [ Nephropathy TGLS = 2-5 ]		Nephropathy	Moderate
* Liver		Hepatocellular Adenoma Infiltration Cellular	Mixed Cell, Mild
* Lung	Hepatocyte	Vacuolization Cytoplasmic Hemorrhage Hyperplasia Pigmentation	Focal, Mild Mild Histiocytic, Mild
* Nose	Respirat Epith Nasolacrim Dct	Cytoplasmic Alteration Inflammation	Focal, Mild Minimal Mild
* Parathyroid Gland Note: Parathyroid gland is on slide 2, embedded in superficial cortex of thymus.			
* Thymus		Cyst	Mild
* Thyroid Gland		Degeneration	Cystic, Focal, Minimal

PRIMARY CAUSE OF DEATH -

\* PROTOCOL REQUIRED TISSUE



**Experiment Number:** 93023-07  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** 2,4-Hexadienal  
**CAS Number:** 142-83-6

**Date Report Requested:** 10/20/2014  
**Time Report Requested:** 13:41:49  
**First Dose M/F:** NA / NA  
**Lab:** SRI

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**ANIMAL ID:** 74

**TRT#:** 3

**SEX:** Male

**DAY ON TEST:** 729

**DOSE:** 30 MG/KG/DY

**DISP:** Terminal Sacrifice

**HISTO:** 99-87414

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 93023-07  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** 2,4-Hexadienal  
**CAS Number:** 142-83-6

**Date Report Requested:** 10/20/2014  
**Time Report Requested:** 13:41:49  
**First Dose M/F:** NA / NA  
**Lab:** SRI

**ANIMAL ID:** 75

**TRT#:** 3

**SEX:** Male

**DAY ON TEST:** 730

**DOSE:** 30 MG/KG/DY

**DISP:** Terminal Sacrifice

**HISTO:** 99-87415

**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, 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	
* Kidney		Nephropathy	Mild
	Renal Tubule	Pigmentation	Mild
* Liver		Hepatoblastoma	
		Hepatocellular Adenoma	Multiple
		Infiltration Cellular	Mixed Cell, Minimal
<p>Note: Liver hepatoblastoma (TGL 2-21) contains multiple foci of osteoid.            [ Hepatoblastoma TGLS = 2-21 ]            [ Hepatocellular Adenoma TGLS = 3-22, 4-23 ]</p>			
* Lung		Alveolar/Bronchiolar Adenoma	
		Hepatoblastoma	Metastatic (Liver)
* Nose	Respirat Epith	Cytoplasmic Alteration	Mild
* Spleen		Hematopoietic Cell Proliferation	Moderate
		[ Hematopoietic Cell Proliferation TGLS = 1-6 ]	
Tooth		Malformation	Mild

**PRIMARY CAUSE OF DEATH**

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 93023-07  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** 2,4-Hexadienal  
**CAS Number:** 142-83-6

**Date Report Requested:** 10/20/2014  
**Time Report Requested:** 13:41:49  
**First Dose M/F:** NA / NA  
**Lab:** SRI

**ANIMAL ID:** 76

**TRT#:** 3

**SEX:** Male

**DAY ON TEST:** 731

**DOSE:** 30 MG/KG/DY

**DISP:** Terminal Sacrifice

**HISTO:** 99-87416

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

* Adrenal Cortex	* 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, Mesenteric	* Pancreas	* Parathyroid Gland
* Pituitary Gland	* Prostate	* Salivary Glands	* Seminal Vesicle
* Skin	* Stomach, Forestomach	* Stomach, Glandular	* Testes
* Thymus	* Thyroid Gland	* Trachea	* Urinary Bladder

**MISSING**

\* Mammary Gland

**OBSERVATIONS**

Harderian Gland [ Carcinoma TGLS = 6-23 ]		Carcinoma	
* Kidney	Renal Tubule	Adenoma Nephropathy	Minimal
Note: Renal adenoma is in right kidney, on slide 5.1.			
* Liver	Hepatocyte	Eosinophilic Focus Hepatocellular Adenoma Infiltration Cellular	Minimal Mixed Cell, Minimal
[ Hepatocellular Adenoma TGLS = 5-22 ]			
* Lymph Node, Mandibular [ Hyperplasia TGLS = 2-8 ]		Hyperplasia	Plasma Cell, Moderate
Mesentery [ Necrosis TGLS = 3-21, 4-24 ]	Fat	Necrosis	Moderate
* Nose	Respirat Epith	Cytoplasmic Alteration Inflammation Degeneration	Mild Suppurative, Mild Cystic, Moderate
* Preputial Gland [ Degeneration TGLS = 1-8 ]			
* Spleen		Hemangiosarcoma Hematopoietic Cell Proliferation	Mild

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 93023-07  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** 2,4-Hexadienal  
**CAS Number:** 142-83-6

**Date Report Requested:** 10/20/2014  
**Time Report Requested:** 13:41:49  
**First Dose M/F:** NA / NA  
**Lab:** SRI

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**ANIMAL ID:** 76

**TRT#:** 3

**SEX:** Male

**DAY ON TEST:** 731

**DOSE:** 30 MG/KG/DY

**DISP:** Terminal Sacrifice

**HISTO:** 99-87416

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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PRIMARY CAUSE OF DEATH

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\* PROTOCOL REQUIRED TISSUE

Experiment Number: 93023-07

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: 2,4-Hexadienal

CAS Number: 142-83-6

Date Report Requested: 10/20/2014

Time Report Requested: 13:41:49

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 77

TRT#: 3

SEX: Male

DAY ON TEST: 544

DOSE: 30 MG/KG/DY

DISP: Natural Death

HISTO: 99-85760

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Brain	* Epididymis	* Esophagus	* Gallbladder
* Heart	* Intestine Large, Colon	* Intestine Large, Rectum	* 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
* Thymus	* Thyroid Gland	* Trachea	* Urinary Bladder

MISSING

\* Mammary Gland

AUTO PRECLUDES DIAG.

\* Intestine Large, Cecum                      \* Intestine Small, Duodenum

OBSERVATIONS

* Kidney		Nephropathy	Mild
* Liver		Congestion	Focal, Moderate
		Hepatocellular Adenoma	
	Hepatocyte, Midzonal	Vacuolization Cytoplasmic	Mild
	[ Hepatocellular Adenoma TGLS = 2-21 ]		
* Nose	Olfactory Epi	Cytoplasmic Alteration	Minimal
	Respirat Epith	Cytoplasmic Alteration	Moderate
	Glands, Mucosa	Dilatation	Focal, Mild
* Spleen		Hematopoietic Cell Proliferation	Mild
	[ Hematopoietic Cell Proliferation TGLS = 1-22 ]		

PRIMARY CAUSE OF DEATH

- Liver Hepatocellular Adenoma

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 93023-07  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** 2,4-Hexadienal  
**CAS Number:** 142-83-6

**Date Report Requested:** 10/20/2014  
**Time Report Requested:** 13:41:49  
**First Dose M/F:** NA / NA  
**Lab:** SRI

**ANIMAL ID:** 78

**TRT#:** 3

**SEX:** Male

**DAY ON TEST:** 730

**DOSE:** 30 MG/KG/DY

**DISP:** Terminal Sacrifice

**HISTO:** 99-87417

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

* Adrenal Cortex	* 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, Mandibular	* Lymph Node, Mesenteric	* 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**

* Kidney		Nephropathy	Minimal
* Liver		Hepatocellular Adenoma	
	Hepatocyte	Mixed Cell Focus	Multiple, Mild
	Hepatocyte	Vacuolization Cytoplasmic	Focal, Mild
	Hepatocyte, Periportal	Vacuolization Cytoplasmic	Moderate
	[ Hepatocellular Adenoma TGLS = 2-22 ]		
	[ Mixed Cell Focus TGLS = 2-22 ]		
* Lung		Alveolar/Bronchiolar Adenoma	
Mesentery	Fat	Necrosis	Moderate
	[ Necrosis TGLS = 1-21 ]		
* Nose	Olfactory Epi	Cytoplasmic Alteration	Mild
	Respirat Epith	Cytoplasmic Alteration	Mild

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 93023-07  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** 2,4-Hexadienal  
**CAS Number:** 142-83-6

**Date Report Requested:** 10/20/2014  
**Time Report Requested:** 13:41:49  
**First Dose M/F:** NA / NA  
**Lab:** SRI

**ANIMAL ID:** 79

**TRT#:** 3

**SEX:** Male

**DAY ON TEST:** 730

**DOSE:** 30 MG/KG/DY

**DISP:** Terminal Sacrifice

**HISTO:** 99-87418

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

* Adrenal Cortex	* 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, 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**

* Kidney	Renal Tubule	Cyst Hyperplasia Nephropathy	Multiple, Moderate Focal, Minimal Minimal
[ Cyst TGLS = 2-22 ]			
* Liver		Hemorrhage Hepatocellular Adenoma Infiltration Cellular	Focal, Mild Mixed Cell, Minimal
[ Hemorrhage TGLS = 4-24 ]			
[ Hepatocellular Adenoma TGLS = 3-23 ]			
* Lung		Hyperplasia Infiltration Cellular	Lymphoid, Mild Mixed Cell, Mild
[ Infiltration Cellular TGLS = 6-25 ]			
Mesentery	Fat	Necrosis	Moderate
[ Necrosis TGLS = 1-21 ]			
* Nose	Olfactory Epi Respirat Epith	Cytoplasmic Alteration Cytoplasmic Alteration Inflammation	Minimal Minimal Suppurative, Mild
* Thymus		Cyst	Minimal

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 93023-07  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** 2,4-Hexadienal  
**CAS Number:** 142-83-6

**Date Report Requested:** 10/20/2014  
**Time Report Requested:** 13:41:49  
**First Dose M/F:** NA / NA  
**Lab:** SRI

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<b>ANIMAL ID:</b> 79	<b>TRT#:</b> 3	<b>SEX:</b> Male	<b>DAY ON TEST:</b> 730
	<b>DOSE:</b> 30 MG/KG/DY	<b>DISP:</b> Terminal Sacrifice	<b>HISTO:</b> 99-87418

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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Tooth	Peridont Tiss	Inflammation	Chronic, Moderate
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PRIMARY CAUSE OF DEATH -

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\* PROTOCOL REQUIRED TISSUE



**Experiment Number:** 93023-07  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** 2,4-Hexadienal  
**CAS Number:** 142-83-6

**Date Report Requested:** 10/20/2014  
**Time Report Requested:** 13:41:49  
**First Dose M/F:** NA / NA  
**Lab:** SRI

**ANIMAL ID:** 80

**TRT#:** 3

**SEX:** Male

**DAY ON TEST:** 730

**DOSE:** 30 MG/KG/DY

**DISP:** Terminal Sacrifice

**HISTO:** 99-87419

**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, Mandibular
* Lymph Node, Mesenteric	* Pancreas	* Parathyroid Gland	* Pituitary Gland
* Preputial Gland	* Prostate	* Salivary Glands	* Skin
* Stomach, Forestomach	* Stomach, Glandular	* Testes	* Thymus
* Thyroid Gland	* Trachea	* Urinary Bladder	

**MISSING**

\* Mammary Gland

**OBSERVATIONS**

* Adrenal Cortex Note: One adrenal gland is missing.	Subcapsular	Hyperplasia	Focal, Moderate
* Kidney		Cyst Nephropathy	Minimal Minimal
* Liver [ Vacuolization Cytoplasmic TGLS = 2-6 ] [ Vacuolization Cytoplasmic TGLS = 2-6 ]	Hepatocyte Hepatocyte, Midzonal	Vacuolization Cytoplasmic Vacuolization Cytoplasmic	Focal, Mild Moderate
* Lung [ Alveolar/Bronchiolar Carcinoma TGLS = 3-22 ]		Alveolar/Bronchiolar Carcinoma Hyperplasia	Histiocytic, Mild
Mesentery [ Necrosis TGLS = 1-21 ]	Fat	Necrosis	Moderate
* Nose	Respirat Epith	Cytoplasmic Alteration	Mild
* Seminal Vesicle [ Inflammation TGLS = 4-7 ]		Inflammation	Chronic, Moderate
* Spleen		Hematopoietic Cell Proliferation	Mild
Tooth		Malformation	Mild

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 93023-07  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** 2,4-Hexadienal  
**CAS Number:** 142-83-6

**Date Report Requested:** 10/20/2014  
**Time Report Requested:** 13:41:49  
**First Dose M/F:** NA / NA  
**Lab:** SRI

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**ANIMAL ID:** 80

**TRT#:** 3

**SEX:** Male

**DAY ON TEST:** 730

**DOSE:** 30 MG/KG/DY

**DISP:** Terminal Sacrifice

**HISTO:** 99-87419

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 93023-07  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** 2,4-Hexadienal  
**CAS Number:** 142-83-6

**Date Report Requested:** 10/20/2014  
**Time Report Requested:** 13:41:49  
**First Dose M/F:** NA / NA  
**Lab:** SRI

**ANIMAL ID:** 81

**TRT#:** 3

**SEX:** Male

**DAY ON TEST:** 631

**DOSE:** 30 MG/KG/DY

**DISP:** Natural Death

**HISTO:** 99-86245

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Epididymis	* Esophagus	* Gallbladder	* Heart
* Intestine Large, Colon	* Intestine Large, Rectum	* Islets, Pancreatic	* Lung
* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Parathyroid Gland	* Preputial Gland
* Prostate	* Salivary Glands	* Seminal Vesicle	* Skin
* Spleen	* Testes	* Thymus	* Thyroid Gland
* Trachea			

**MISSING**

\* Mammary Gland

**AUTO PRECLUDES DIAG.**

* Intestine Large, Cecum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Stomach, Glandular	* Urinary Bladder		

**OBSERVATIONS**

* Brain		Compression	Focal, Moderate
[ Compression TGLS = 5-1 ]			
* Kidney		Nephropathy	Minimal
* Liver	Hepatocyte	Angiectasis	Focal, Moderate
		Cytomegaly	Moderate
		Hepatocellular Adenoma	
[ Hepatocellular Adenoma TGLS = 2-22 ]			
Lymph Node	Mediastinal	Congestion	Moderate
[ Congestion TGLS = 3-2 ]			
Mesentery		Inflammation	Chronic, Moderate
	Fat	Necrosis	Moderate
[ Inflammation TGLS = 1-21 ]			
[ Necrosis TGLS = 1-21 ]			
* Nose	Respirat Epith	Cytoplasmic Alteration	Mild
* Pancreas		Necrosis	Focal, Moderate
[ Necrosis TGLS = 1-21 ]			
* Pituitary Gland	Pars Distalis	Adenoma	

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 93023-07  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** 2,4-Hexadienal  
**CAS Number:** 142-83-6

**Date Report Requested:** 10/20/2014  
**Time Report Requested:** 13:41:49  
**First Dose M/F:** NA / NA  
**Lab:** SRI

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<b>ANIMAL ID:</b> 81	<b>TRT#:</b> 3	<b>SEX:</b> Male	<b>DAY ON TEST:</b> 631
	<b>DOSE:</b> 30 MG/KG/DY	<b>DISP:</b> Natural Death	<b>HISTO:</b> 99-86245

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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[ Adenoma TGLS = 4-1 ]			
* Stomach, Forestomach	Epithelium	Hyperplasia	Squamous, Mild
PRIMARY CAUSE OF DEATH	- Pituitary Gland Pars Distalis Adenoma		

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 93023-07  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** 2,4-Hexadienal  
**CAS Number:** 142-83-6

**Date Report Requested:** 10/20/2014  
**Time Report Requested:** 13:41:49  
**First Dose M/F:** NA / NA  
**Lab:** SRI

**ANIMAL ID:** 82

**TRT#:** 3

**SEX:** Male

**DAY ON TEST:** 730

**DOSE:** 30 MG/KG/DY

**DISP:** Terminal Sacrifice

**HISTO:** 99-87420

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

* Adrenal Cortex	* 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
* Kidney	* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* 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**

* Liver		Infiltration Cellular Inflammation	Mixed Cell, Minimal Chronic, Focal, Mild
* Lung			
[ Inflammation TGLS = 2-2, 2-23 ]			
Mesentery		Hemangiosarcoma Inflammation Necrosis	Chronic, Mild Mild
[ Hemangiosarcoma TGLS = 1-21 ]	Fat		
[ Inflammation TGLS = 1-21 ]			
[ Necrosis TGLS = 1-21 ]			
* Nose	Respirat Epith	Cytoplasmic Alteration	Mild
* Stomach, Forestomach		Squamous Cell Papilloma	Multiple
[ Squamous Cell Papilloma TGLS = 3-22 ]			
* Thymus		Cyst	Minimal
Tooth	Peridont Tiss	Inflammation	Chronic, Mild

**PRIMARY CAUSE OF DEATH**

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 93023-07  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** 2,4-Hexadienal  
**CAS Number:** 142-83-6

**Date Report Requested:** 10/20/2014  
**Time Report Requested:** 13:41:49  
**First Dose M/F:** NA / NA  
**Lab:** SRI

**ANIMAL ID:** 83

**TRT#:** 3

**SEX:** Male

**DAY ON TEST:** 731

**DOSE:** 30 MG/KG/DY

**DISP:** Terminal Sacrifice

**HISTO:** 99-87421

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

* Adrenal Cortex	* Adrenal Medulla	* Bone	* 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	* Pancreas	* Parathyroid Gland
* Pituitary Gland	* Prostate	* Salivary Glands	* Seminal Vesicle
* Skin	* Stomach, Forestomach	* Stomach, Glandular	* Testes
* Thymus	* Trachea	* Urinary Bladder	

**MISSING**

\* Mammary Gland

**OBSERVATIONS**

* Bone Marrow	Myeloid Cell	Hyperplasia	Mild
* Kidney		Nephropathy	Minimal
* Liver		Hepatoblastoma	
	Hepatocyte	Hepatocellular Carcinoma	Multiple
	Hepatocyte	Mixed Cell Focus	Multiple, Mild
		Vacuolization Cytoplasmic	Focal, Mild
	[ Hepatoblastoma TGLS = 2-21 ]		
	[ Hepatocellular Carcinoma TGLS = 2-21, 3-22, 4-23 ]		
	[ Mixed Cell Focus TGLS = 5-24 ]		
Mesentery		Inflammation	Chronic, Mild
* Nose	Olfactory Epi	Cytoplasmic Alteration	Minimal
	Respirat Epith	Cytoplasmic Alteration	Mild
* Preputial Gland		Degeneration	Cystic, Moderate
	[ Degeneration TGLS = 1-8 ]		
* Spleen		Hematopoietic Cell Proliferation	Moderate
* Thyroid Gland		Degeneration	Cystic, Focal, Minimal

PRIMARY CAUSE OF DEATH

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 93023-07  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** 2,4-Hexadienal  
**CAS Number:** 142-83-6

**Date Report Requested:** 10/20/2014  
**Time Report Requested:** 13:41:49  
**First Dose M/F:** NA / NA  
**Lab:** SRI

**ANIMAL ID:** 84

**TRT#:** 3

**SEX:** Male

**DAY ON TEST:** 730

**DOSE:** 30 MG/KG/DY

**DISP:** Terminal Sacrifice

**HISTO:** 99-87422

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

* Adrenal Medulla	* Bone	* 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	* 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	Focal, Minimal
* Bone Marrow		Thrombosis	Chronic, Mild
* Kidney		Cyst	Mild
		Nephropathy	Mild
			[ Cyst TGLS = 8-25 ]
* Liver	Hepatocyte	Congestion	Focal, Mild
	Hepatocyte, Midzonal	Vacuolization Cytoplasmic	Focal, Minimal
		Vacuolization Cytoplasmic	Mild
			[ Congestion TGLS = 2-6, 4-6 ]
			[ Vacuolization Cytoplasmic TGLS = 5-22 ]
Mesentery		Hemangiosarcoma	
		Hemorrhage	Mild
	Fat	Necrosis	Moderate
			[ Hemangiosarcoma TGLS = 6-23, 9-5 ]
			[ Hemorrhage TGLS = 10-26 ]
			[ Necrosis TGLS = 1-21, 7-24 ]
* Nose	Respirat Epith	Cytoplasmic Alteration	Mild
Tooth		Malformation	Moderate

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 93023-07  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** 2,4-Hexadienal  
**CAS Number:** 142-83-6

**Date Report Requested:** 10/20/2014  
**Time Report Requested:** 13:41:49  
**First Dose M/F:** NA / NA  
**Lab:** SRI

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<b>ANIMAL ID:</b> 84	<b>TRT#:</b> 3	<b>SEX:</b> Male	<b>DAY ON TEST:</b> 730
	<b>DOSE:</b> 30 MG/KG/DY	<b>DISP:</b> Terminal Sacrifice	<b>HISTO:</b> 99-87422

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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[ Malformation TGLS = 11-9 ]

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PRIMARY CAUSE OF DEATH

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\* PROTOCOL REQUIRED TISSUE



**Experiment Number:** 93023-07  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** 2,4-Hexadienal  
**CAS Number:** 142-83-6

**Date Report Requested:** 10/20/2014  
**Time Report Requested:** 13:41:49  
**First Dose M/F:** NA / NA  
**Lab:** SRI

**ANIMAL ID:** 85

**TRT#:** 3

**SEX:** Male

**DAY ON TEST:** 730

**DOSE:** 30 MG/KG/DY

**DISP:** Terminal Sacrifice

**HISTO:** 99-87423

**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, Mandibular
* Pancreas	* Parathyroid 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	Focal, Mild
* Kidney		Nephropathy	Minimal
* Liver		Hepatocellular Adenoma	
		Hepatocellular Carcinoma	
		Infiltration Cellular	Mixed Cell, Minimal
	Hepatocyte	Mixed Cell Focus	Mild
		[ Hepatocellular Adenoma TGLS = 6-24 ]	
		[ Hepatocellular Carcinoma TGLS = 5-23 ]	
		[ Mixed Cell Focus TGLS = 4-22 ]	
* Lung	Mediastinum	Necrosis	Fatty, Focal, Mild
		[ Necrosis TGLS = 7-25 ]	
* Lymph Node, Mesenteric		Lymphoma Malignant	
		[ Lymphoma Malignant TGLS = 3-5 ]	
Mesentery	Fat	Necrosis	Moderate
		[ Necrosis TGLS = 2-21 ]	
* Nose	Respirat Epith	Cytoplasmic Alteration	Mild
		Inflammation	Suppurative, Minimal
* Pituitary Gland	Pars Distalis	Hyperplasia	Focal, Mild
* Preputial Gland		Degeneration	Cystic, Moderate

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 93023-07  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** 2,4-Hexadienal  
**CAS Number:** 142-83-6

**Date Report Requested:** 10/20/2014  
**Time Report Requested:** 13:41:49  
**First Dose M/F:** NA / NA  
**Lab:** SRI

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<b>ANIMAL ID:</b> 85	<b>TRT#:</b> 3	<b>SEX:</b> Male	<b>DAY ON TEST:</b> 730
	<b>DOSE:</b> 30 MG/KG/DY	<b>DISP:</b> Terminal Sacrifice	<b>HISTO:</b> 99-87423

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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[ Degeneration TGLS = 1-8 ]

\* Spleen

Lymphoma Malignant

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PRIMARY CAUSE OF DEATH

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 93023-07  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** 2,4-Hexadienal  
**CAS Number:** 142-83-6

**Date Report Requested:** 10/20/2014  
**Time Report Requested:** 13:41:49  
**First Dose M/F:** NA / NA  
**Lab:** SRI

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<b>ANIMAL ID:</b> 86	<b>TRT#:</b> 3	<b>SEX:</b> Male	<b>DAY ON TEST:</b> 646
	<b>DOSE:</b> 30 MG/KG/DY	<b>DISP:</b> Natural Death	<b>HISTO:</b> 99-86346

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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**NORMAL**

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

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**MISSING**

\* Mammary Gland

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**AUTO PRECLUDES DIAG.**

* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Kidney		

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**OBSERVATIONS**

* Liver		Hepatocellular Carcinoma	
[ Hepatocellular Carcinoma TGLS = 3-21 ]			
* Nose	Respirat Epith	Cytoplasmic Alteration	Moderate
* Preputial Gland		Degeneration	Cystic, Moderate
[ Degeneration TGLS = 1-8 ]			

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**PRIMARY CAUSE OF DEATH** - Liver Hepatocellular Carcinoma

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 93023-07  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** 2,4-Hexadienal  
**CAS Number:** 142-83-6

**Date Report Requested:** 10/20/2014  
**Time Report Requested:** 13:41:49  
**First Dose M/F:** NA / NA  
**Lab:** SRI

**ANIMAL ID:** 87

**TRT#:** 3

**SEX:** Male

**DAY ON TEST:** 731

**DOSE:** 30 MG/KG/DY

**DISP:** Terminal Sacrifice

**HISTO:** 99-87424

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Brain	* Epididymis	* Esophagus	* 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	* Pancreas	* Parathyroid Gland
* Pituitary Gland	* Preputial Gland	* Prostate	* Salivary Glands
* Seminal Vesicle	* Spleen	* Stomach, Forestomach	* Stomach, Glandular
* Testes	* Thyroid Gland	* Trachea	* Urinary Bladder

**MISSING**

* Mammary Gland	* Thymus
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**OBSERVATIONS**

* Gallbladder	Epithelium Epithelium	Degeneration Hyperplasia	Hyaline, Mild Adenomatous, Mild
* Kidney		Nephropathy	Mild
* Liver	Hepatocyte Hepatocyte Hepatocyte	Eosinophilic Focus Mixed Cell Focus Vacuolization Cytoplasmic	Minimal Multiple, Mild Focal, Minimal
[ Mixed Cell Focus TGLS = 5-24, 6-25 ]			
Mesentery	Fat	Necrosis	Mild
[ Necrosis TGLS = 2-22 ]			
* Nose	Respirat Epith	Cytoplasmic Alteration	Minimal
* Skin	Sebaceous GI	Adenoma	
[ Adenoma TGLS = 1-21 ]			
Tooth		Malformation	Moderate
[ Malformation TGLS = 4-9.1 ]			

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 93023-07  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** 2,4-Hexadienal  
**CAS Number:** 142-83-6

**Date Report Requested:** 10/20/2014  
**Time Report Requested:** 13:41:49  
**First Dose M/F:** NA / NA  
**Lab:** SRI

**ANIMAL ID:** 88

**TRT#:** 3

**SEX:** Male

**DAY ON TEST:** 732

**DOSE:** 30 MG/KG/DY

**DISP:** Terminal Sacrifice

**HISTO:** 99-87425

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

* Adrenal Cortex	* Adrenal Medulla	* 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	* Lung	* Lymph Node, Mandibular
* Lymph Node, Mesenteric	* 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**

* Bone Marrow		Fibrosis	Focal, Mild
* Heart		Hemangiosarcoma	
* Kidney		Nephropathy	Minimal
* Liver	Hepatocyte	Eosinophilic Focus	Minimal
		Hemangiosarcoma	
		Hepatocellular Adenoma	
		Hepatocellular Carcinoma	Multiple
		Infiltration Cellular	Mixed Cell, Mild
		[ Hepatocellular Carcinoma TGLS = 2-21, 3-22 ]	
* Nose	Olfactory Epi	Cytoplasmic Alteration	Minimal
	Respirat Epith	Cytoplasmic Alteration	Minimal
		Foreign Body	Mild
		Inflammation	Suppurative, Moderate
* Spleen		Hematopoietic Cell Proliferation	Moderate
		[ Hematopoietic Cell Proliferation TGLS = 1-6 ]	
* Stomach, Forestomach	Epithelium	Hyperplasia	Squamous, Mild
		[ Hyperplasia TGLS = 4-23 ]	
Tooth	Peridont Tiss	Inflammation	Chronic, Mild

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 93023-07  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** 2,4-Hexadienal  
**CAS Number:** 142-83-6

**Date Report Requested:** 10/20/2014  
**Time Report Requested:** 13:41:49  
**First Dose M/F:** NA / NA  
**Lab:** SRI

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**ANIMAL ID:** 88

**TRT#:** 3

**SEX:** Male

**DAY ON TEST:** 732

**DOSE:** 30 MG/KG/DY

**DISP:** Terminal Sacrifice

**HISTO:** 99-87425

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 93023-07  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** 2,4-Hexadienal  
**CAS Number:** 142-83-6

**Date Report Requested:** 10/20/2014  
**Time Report Requested:** 13:41:49  
**First Dose M/F:** NA / NA  
**Lab:** SRI

**ANIMAL ID:** 89

**TRT#:** 3

**SEX:** Male

**DAY ON TEST:** 729

**DOSE:** 30 MG/KG/DY

**DISP:** Terminal Sacrifice

**HISTO:** 99-87426

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

* Adrenal Cortex	* 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, Mandibular	* Lymph Node, Mesenteric	* Pancreas	* Parathyroid Gland
* Pituitary Gland	* Prostate	* Salivary Glands	* Seminal Vesicle
* Skin	* Spleen	* Stomach, Forestomach	* Stomach, Glandular
* Testes	* Thymus	* Thyroid Gland	* Trachea
* Urinary Bladder			

**MISSING**

\* Mammary Gland

**OBSERVATIONS**

* Kidney		Nephropathy	Mild
* Liver		Hepatocellular Adenoma	
		Infiltration Cellular	Mixed Cell, Minimal
	Hepatocyte	Mixed Cell Focus	Mild
	Hepatocyte, Periportal	Vacuolization Cytoplasmic	Moderate
	[ Hepatocellular Adenoma TGLS = 2-21 ]		
	[ Mixed Cell Focus TGLS = 4-6 ]		
	[ Vacuolization Cytoplasmic TGLS = 3-22, 4-6 ]		
* Lung	Alveolar Epith	Hyperplasia	Minimal
* Nose	Olfactory Epi	Cytoplasmic Alteration	Mild
	Respirat Epith	Cytoplasmic Alteration	Mild
* Preputial Gland		Degeneration	Cystic, Moderate
	[ Degeneration TGLS = 1-8 ]		

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 93023-07  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** 2,4-Hexadienal  
**CAS Number:** 142-83-6

**Date Report Requested:** 10/20/2014  
**Time Report Requested:** 13:41:49  
**First Dose M/F:** NA / NA  
**Lab:** SRI

**ANIMAL ID:** 90

**TRT#:** 3

**SEX:** Male

**DAY ON TEST:** 730

**DOSE:** 30 MG/KG/DY

**DISP:** Terminal Sacrifice

**HISTO:** 99-87427

**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	* Parathyroid Gland	* Preputial Gland
* Prostate	* Salivary Glands	* Seminal Vesicle	* Skin
* Stomach, Glandular	* Testes	* Thymus	* Thyroid Gland
* Trachea	* Urinary Bladder		

**MISSING**

\* Mammary Gland

**OBSERVATIONS**

* Adrenal Cortex		Cytoplasmic Alteration	Focal, Moderate
Harderian Gland		Adenoma	
[ Adenoma TGLS = 3-22 ]			
* Kidney		Nephropathy	Mild
* Liver	Centrilobular, Hepatocyte	Depletion Glycogen	Mild
		Hepatocellular Adenoma	Multiple
		Infiltration Cellular	Mixed Cell, Minimal
[ Hepatocellular Adenoma TGLS = 1-6, 2-21 ]			
* Nose	Olfactory Epi	Cytoplasmic Alteration	Mild
	Respirat Epith	Cytoplasmic Alteration	Mild
* Pancreas	Acinus	Atrophy	Focal, Mild
* Pituitary Gland	Pars Distalis	Cyst	Mild
* Spleen		Hyperplasia	Lymphoid, Mild
* Stomach, Forestomach	Epithelium	Hyperplasia	Squamous, Mild
		Inflammation	Focal, Mild
[ Hyperplasia TGLS = 4-23 ]			
Tooth	Peridont Tiss	Inflammation	Chronic, Mild

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE



**Experiment Number:** 93023-07  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** 2,4-Hexadienal  
**CAS Number:** 142-83-6

**Date Report Requested:** 10/20/2014  
**Time Report Requested:** 13:41:49  
**First Dose M/F:** NA / NA  
**Lab:** SRI

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<b>ANIMAL ID:</b> 91	<b>TRT#:</b> 3	<b>SEX:</b> Male	<b>DAY ON TEST:</b> 533
	<b>DOSE:</b> 30 MG/KG/DY	<b>DISP:</b> Moribund Sacrifice	<b>HISTO:</b> 99-85339

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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**NORMAL**

* Adrenal Cortex	* 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
* Kidney	* 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	* Thymus
* Thyroid Gland	* Trachea	* Urinary Bladder	

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**MISSING**

\* Mammary Gland

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**OBSERVATIONS**

* Liver		Hepatocellular Carcinoma	
	Centrilobular, Hepatocyte	Necrosis	Moderate
	[ Hepatocellular Carcinoma TGLS = 4-22 ]		
	[ Necrosis TGLS = 2-6, 3-6 ]		
Mesentery	Fat	Necrosis	Moderate
	[ Necrosis TGLS = 1-21 ]		
* Nose	Respirat Epith	Cytoplasmic Alteration	Minimal
* Spleen		Hematopoietic Cell Proliferation	Moderate

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**PRIMARY CAUSE OF DEATH** - Liver Hepatocellular Carcinoma

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 93023-07  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** 2,4-Hexadienal  
**CAS Number:** 142-83-6

**Date Report Requested:** 10/20/2014  
**Time Report Requested:** 13:41:49  
**First Dose M/F:** NA / NA  
**Lab:** SRI

**ANIMAL ID:** 92

**TRT#:** 3

**SEX:** Male

**DAY ON TEST:** 730

**DOSE:** 30 MG/KG/DY

**DISP:** Terminal Sacrifice

**HISTO:** 99-87428

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

* Bone	* Bone Marrow	* Brain	* Epididymis
* Esophagus	* Heart	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Lung	* 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	Adenoma	
* Adrenal Medulla		Angiectasis	Moderate
* Gallbladder		Infiltration Cellular	Polymorphnuclr, Moderate
* Intestine Small, Duodenum		Polyp Adenomatous	
[ Polyp Adenomatous TGLS = 6-22 ]			
* Kidney		Cyst	Mild
		Nephropathy	Mild
* Liver		Hepatocellular Carcinoma	
		Infiltration Cellular	Mixed Cell, Minimal
		Necrosis	Focal, Mild
[ Hepatocellular Carcinoma TGLS = 5-21 ]			
Lymph Node	Inguinal	Hyperplasia	Lymphoid, Moderate
* Lymph Node, Mandibular		Hyperplasia	Lymphoid, Moderate
[ Hyperplasia TGLS = 1-8 ]			
* Lymph Node, Mesenteric		Hyperplasia	Lymphoid, Moderate
* Nose	Respirat Epith	Cytoplasmic Alteration	Mild
* Pituitary Gland	Pars Distalis	Cyst	Mild
* Spleen		Hematopoietic Cell Proliferation	Marked
		Histiocytic Sarcoma	
[ Hematopoietic Cell Proliferation TGLS = 2-6 ]			

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 93023-07  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** 2,4-Hexadienal  
**CAS Number:** 142-83-6

**Date Report Requested:** 10/20/2014  
**Time Report Requested:** 13:41:49  
**First Dose M/F:** NA / NA  
**Lab:** SRI

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<b>ANIMAL ID:</b> 92	<b>TRT#:</b> 3	<b>SEX:</b> Male	<b>DAY ON TEST:</b> 730
	<b>DOSE:</b> 30 MG/KG/DY	<b>DISP:</b> Terminal Sacrifice	<b>HISTO:</b> 99-87428

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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[ Histiocytic Sarcoma TGLS = 2-6 ]

\* Thymus

Hyperplasia

Lymphoid, Moderate

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PRIMARY CAUSE OF DEATH

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 93023-07  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** 2,4-Hexadienal  
**CAS Number:** 142-83-6

**Date Report Requested:** 10/20/2014  
**Time Report Requested:** 13:41:49  
**First Dose M/F:** NA / NA  
**Lab:** SRI

**ANIMAL ID:** 93

**TRT#:** 3

**SEX:** Male

**DAY ON TEST:** 731

**DOSE:** 30 MG/KG/DY

**DISP:** Terminal Sacrifice

**HISTO:** 99-87429

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

* Adrenal Medulla	* Bone	* Bone Marrow	* Brain
Ear	* 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, Mandibular
* Lymph Node, Mesenteric	* Pancreas	* Parathyroid Gland	* Pituitary Gland
* Preputial Gland	* Prostate	* Salivary Glands	* Seminal Vesicle
* Spleen	* Stomach, Forestomach	* Stomach, Glandular	* Testes
* Thymus	* Thyroid Gland	* Trachea	* Urinary Bladder

**MISSING**

\* Mammary Gland

**OBSERVATIONS**

* Adrenal Cortex		Cytoplasmic Alteration	Focal, Minimal
* Epididymis		Inflammation	Chronic, Moderate
[ Inflammation TGLS = 1-7 ]			
* Kidney	Renal Tubule	Cyst	Minimal
		Hyperplasia	Focal, Minimal
		Nephropathy	Mild
* Liver		Hepatocellular Adenoma	Multiple
	Hepatocyte, Midzonal	Infiltration Cellular	Mixed Cell, Minimal
		Vacuolization Cytoplasmic	Moderate
[ Hepatocellular Adenoma TGLS = 3-21 ]			
[ Vacuolization Cytoplasmic TGLS = 2-6 ]			
* Lung		Alveolar/Bronchiolar Adenoma	
[ Alveolar/Bronchiolar Adenoma TGLS = 5-23 ]			
* Nose	Respirat Epith	Cytoplasmic Alteration	Mild
* Skin	Pinna	Sarcoma	
[ Sarcoma TGLS = 4-22 ]			

**PRIMARY CAUSE OF DEATH**

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 93023-07  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** 2,4-Hexadienal  
**CAS Number:** 142-83-6

**Date Report Requested:** 10/20/2014  
**Time Report Requested:** 13:41:49  
**First Dose M/F:** NA / NA  
**Lab:** SRI

**ANIMAL ID:** 94

**TRT#:** 3

**SEX:** Male

**DAY ON TEST:** 729

**DOSE:** 30 MG/KG/DY

**DISP:** Terminal Sacrifice

**HISTO:** 99-87430

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

* Adrenal Cortex	* 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	* 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**

* Adren Medulla			
Note: Medulla is missing from one adrenal gland.			
* Kidney		Nephropathy	Minimal
* Liver		Infiltration Cellular	Mixed Cell, Mild
	Hepatocyte	Vacuolization Cytoplasmic	Focal, Mild
	[ Vacuolization Cytoplasmic TGLS = 1-21 ]		
* Nose	Respirat Epith	Cytoplasmic Alteration	Minimal
Tooth		Malformation	Mild

PRIMARY CAUSE OF DEATH

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 93023-07  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** 2,4-Hexadienal  
**CAS Number:** 142-83-6

**Date Report Requested:** 10/20/2014  
**Time Report Requested:** 13:41:49  
**First Dose M/F:** NA / NA  
**Lab:** SRI

**ANIMAL ID:** 95

**TRT#:** 3

**SEX:** Male

**DAY ON TEST:** 729

**DOSE:** 30 MG/KG/DY

**DISP:** Terminal Sacrifice

**HISTO:** 99-87431

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

* Adrenal Cortex	* 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, Mesenteric	* Pancreas	* Parathyroid Gland
* Pituitary Gland	* Prostate	* Salivary Glands	* Seminal Vesicle
* Skin	* Stomach, Glandular	* Testes	* Thymus
* Trachea	* Urinary Bladder		

**MISSING**

\* Mammary Gland

**OBSERVATIONS**

* Kidney		Nephropathy	Minimal
* Liver		Hepatoblastoma	
		Hepatocellular Adenoma	
	Hepatocyte	Vacuolization Cytoplasmic	Focal, Moderate
	Hepatocyte, Midzonal	Vacuolization Cytoplasmic	Mild
	[ Hepatoblastoma TGLS = 4-21 ]		
	[ Hepatocellular Adenoma TGLS = 3-6 ]		
	[ Vacuolization Cytoplasmic TGLS = 3-6 ]		
	[ Vacuolization Cytoplasmic TGLS = 3-6, 4-21 ]		
* Lymph Node, Mandibular		Hyperplasia	Lymphoid, Moderate
* Nose	Respirat Epith	Cytoplasmic Alteration	Mild
		Inflammation	Suppurative, Mild
* Preputial Gland		Degeneration	Cystic, Moderate
	[ Degeneration TGLS = 1-8 ]		
* Spleen		Hyperplasia	Lymphoid, Moderate
	[ Hyperplasia TGLS = 2-6 ]		
* Stomach, Forestomach		Squamous Cell Papilloma	
	[ Squamous Cell Papilloma TGLS = 5-22 ]		
* Thyroid Gland	Follicle	Cyst	Mild

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 93023-07  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** 2,4-Hexadienal  
**CAS Number:** 142-83-6

**Date Report Requested:** 10/20/2014  
**Time Report Requested:** 13:41:49  
**First Dose M/F:** NA / NA  
**Lab:** SRI

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**ANIMAL ID:** 95

**TRT#:** 3

**SEX:** Male

**DAY ON TEST:** 729

**DOSE:** 30 MG/KG/DY

**DISP:** Terminal Sacrifice

**HISTO:** 99-87431

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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PRIMARY CAUSE OF DEATH

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 93023-07  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** 2,4-Hexadienal  
**CAS Number:** 142-83-6

**Date Report Requested:** 10/20/2014  
**Time Report Requested:** 13:41:49  
**First Dose M/F:** NA / NA  
**Lab:** SRI

**ANIMAL ID:** 96

**TRT#:** 3

**SEX:** Male

**DAY ON TEST:** 730

**DOSE:** 30 MG/KG/DY

**DISP:** Terminal Sacrifice

**HISTO:** 99-87432

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

* Adrenal Cortex	* 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, Mandibular	* Lymph Node, Mesenteric	* Pancreas	* Parathyroid Gland
* Preputial Gland	* Prostate	* Salivary Glands	* Seminal Vesicle
* Skin	* Stomach, Forestomach	* Stomach, Glandular	* Testes
* Thymus	* Thyroid Gland	* Trachea	* Urinary Bladder

**MISSING**

* Mammary Gland	* Pituitary Gland
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**OBSERVATIONS**

* Adren Cortex			
Note: One adrenal gland is missing.			
* Kidney		Nephropathy	Minimal
* Liver	Hepatocyte	Basophilic Focus	Mild
		Hepatocellular Adenoma	Multiple
		Infiltration Cellular	Mixed Cell, Minimal
	Hepatocyte	Vacuolization Cytoplasmic	Diffuse, Moderate
	[ Basophilic Focus TGLS = 1-6 ]		
	[ Hepatocellular Adenoma TGLS = 2-21, 3-6 ]		
* Lung		Alveolar/Bronchiolar Carcinoma	
	Alveolar Epith	Hyperplasia	Mild
	[ Alveolar/Bronchiolar Carcinoma TGLS = 4-22 ]		
* Nose	Respirat Epith	Cytoplasmic Alteration	Moderate
* Spleen		Hematopoietic Cell Proliferation	Mild

**PRIMARY CAUSE OF DEATH** -

\* PROTOCOL REQUIRED TISSUE



**Experiment Number:** 93023-07  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** 2,4-Hexadienal  
**CAS Number:** 142-83-6

**Date Report Requested:** 10/20/2014  
**Time Report Requested:** 13:41:49  
**First Dose M/F:** NA / NA  
**Lab:** SRI

**ANIMAL ID:** 97

**TRT#:** 3

**SEX:** Male

**DAY ON TEST:** 730

**DOSE:** 30 MG/KG/DY

**DISP:** Terminal Sacrifice

**HISTO:** 99-87433

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

* Adrenal Cortex	* 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, Mandibular	* Lymph Node, Mesenteric	* 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**

* Kidney		Nephropathy	Mild
* Liver		Infiltration Cellular	Mixed Cell, Minimal
	Hepatocyte	Mixed Cell Focus	Mild
	Hepatocyte, Midzonal	Vacuolization Cytoplasmic	Moderate
	[ Mixed Cell Focus TGLS = 1-6 ]		
	[ Vacuolization Cytoplasmic TGLS = 1-6 ]		
* Lung		Alveolar/Bronchiolar Adenoma	Multiple
	[ Alveolar/Bronchiolar Adenoma TGLS = 2-2 ]		
* Nose	Olfactory Epi	Cytoplasmic Alteration	Minimal
	Respirat Epith	Cytoplasmic Alteration	Mild
	Glands, Mucosa	Dilatation	Focal, Mild
* Spleen		Hematopoietic Cell Proliferation	Mild
* Stomach, Forestomach	Epithelium	Hyperplasia	Squamous, Mild
		Squamous Cell Carcinoma	
		Squamous Cell Papilloma	

Note: Clumps of tumor cells (TGL 3, slide 4) appear to be invading blood vessel in wall of forestomach.

[ Squamous Cell Carcinoma TGLS = 3-4 ]

Tooth		Malformation	Moderate
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PRIMARY CAUSE OF DEATH

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 93023-07  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** 2,4-Hexadienal  
**CAS Number:** 142-83-6

**Date Report Requested:** 10/20/2014  
**Time Report Requested:** 13:41:49  
**First Dose M/F:** NA / NA  
**Lab:** SRI

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**ANIMAL ID:** 97

**TRT#:** 3

**SEX:** Male

**DAY ON TEST:** 730

**DOSE:** 30 MG/KG/DY

**DISP:** Terminal Sacrifice

**HISTO:** 99-87433

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 93023-07  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** 2,4-Hexadienal  
**CAS Number:** 142-83-6

**Date Report Requested:** 10/20/2014  
**Time Report Requested:** 13:41:49  
**First Dose M/F:** NA / NA  
**Lab:** SRI

**ANIMAL ID:** 98

**TRT#:** 3

**SEX:** Male

**DAY ON TEST:** 729

**DOSE:** 30 MG/KG/DY

**DISP:** Terminal Sacrifice

**HISTO:** 99-87434

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

* Adrenal Cortex	* 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	* Islets, Pancreatic	* Lung
* 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**

* Intestine Small, Jejunum [ Lymphoma Malignant TGLS = 6-24 ]		Lymphoma Malignant	
* Kidney  [ Atrophy TGLS = 2-5 ] [ Cyst TGLS = 2-5 ]		Atrophy Cyst Nephropathy	Focal, Moderate Moderate Mild
* Liver [ Hepatocellular Adenoma TGLS = 3-21, 4-22 ]		Hepatocellular Adenoma	Multiple
Lymph Node [ Lymphoma Malignant TGLS = 1-7 ]	Pancreatic	Lymphoma Malignant	
* Lymph Node, Mandibular		Lymphoma Malignant	
* Lymph Node, Mesenteric [ Lymphoma Malignant TGLS = 5-23 ]		Lymphoma Malignant	
* Nose	Respirat Epith	Cytoplasmic Alteration Inflammation	Mild Suppurative, Mild
* Spleen		Hematopoietic Cell Proliferation	Mild

PRIMARY CAUSE OF DEATH

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 93023-07  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** 2,4-Hexadienal  
**CAS Number:** 142-83-6

**Date Report Requested:** 10/20/2014  
**Time Report Requested:** 13:41:49  
**First Dose M/F:** NA / NA  
**Lab:** SRI

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<b>ANIMAL ID:</b> 99	<b>TRT#:</b> 3	<b>SEX:</b> Male	<b>DAY ON TEST:</b> 732
	<b>DOSE:</b> 30 MG/KG/DY	<b>DISP:</b> Terminal Sacrifice	<b>HISTO:</b> 99-87435

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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**NORMAL**

* Adrenal Cortex	* 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	* Pancreas
* Parathyroid Gland	* Pituitary Gland	* Prostate	* Salivary Glands
* Seminal Vesicle	* Skin	* Spleen	* Stomach, Forestomach
* Stomach, Glandular	* Testes	* Thyroid Gland	* Trachea
* Urinary Bladder			

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**MISSING**

\* Mammary Gland

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**OBSERVATIONS**

* Kidney		Nephropathy	Mild
* Liver		Infiltration Cellular	Mixed Cell, Minimal
Mesentery	Fat	Necrosis	Moderate
[ Necrosis TGLS = 2-21 ]			
* Nose		Inflammation	Suppurative, Mild
* Preputial Gland		Degeneration	Cystic, Moderate
[ Degeneration TGLS = 1-8 ]			
* Thymus		Cyst	Mild
Tooth		Malformation	Moderate

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PRIMARY CAUSE OF DEATH

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 93023-07  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** 2,4-Hexadienal  
**CAS Number:** 142-83-6

**Date Report Requested:** 10/20/2014  
**Time Report Requested:** 13:41:49  
**First Dose M/F:** NA / NA  
**Lab:** SRI

**ANIMAL ID:** 100

**TRT#:** 3

**SEX:** Male

**DAY ON TEST:** 729

**DOSE:** 30 MG/KG/DY

**DISP:** Terminal Sacrifice

**HISTO:** 99-87436

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Brain	Coagulating Gland	* 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
* 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**

Harderian Gland		Carcinoma	
[ Carcinoma TGLS = 1-21 ]			
* Kidney		Cyst	Minimal
		Nephropathy	Mild
* Liver		Hepatocellular Adenoma	Multiple
		Infiltration Cellular	Mixed Cell, Minimal
	Hepatocyte	Vacuolization Cytoplasmic	Focal, Moderate
	Hepatocyte, Periportal	Vacuolization Cytoplasmic	Moderate
[ Hepatocellular Adenoma TGLS = 3-23, 4-24 ]			
Mesentery	Fat	Necrosis	Moderate
[ Necrosis TGLS = 2-22 ]			
* Nose	Respirat Epith	Cytoplasmic Alteration	Mild
* Spleen		Hematopoietic Cell Proliferation	Moderate
Tooth	Peridont Tiss	Inflammation	Chronic, Mild

**PRIMARY CAUSE OF DEATH**

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 93023-07  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** 2,4-Hexadienal  
**CAS Number:** 142-83-6

**Date Report Requested:** 10/20/2014  
**Time Report Requested:** 13:41:49  
**First Dose M/F:** NA / NA  
**Lab:** SRI

**ANIMAL ID:** 101

**TRT#:** 5

**SEX:** Male

**DAY ON TEST:** 731

**DOSE:** 60 MG/KG/DY

**DISP:** Terminal Sacrifice

**HISTO:** 99-87437

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

* Adrenal Cortex	* 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, Mandibular	* Pancreas	* Preputial Gland	* Prostate
* Salivary Glands	* Seminal Vesicle	* Skin	* Stomach, Forestomach
* Stomach, Glandular	* Testes	* Thyroid Gland	* Trachea
* Urinary Bladder			

**MISSING**

\* Mammary Gland

**OBSERVATIONS**

* Kidney		Nephropathy	Minimal
* Liver		Hepatocellular Adenoma	Multiple
		Infiltration Cellular	Mixed Cell, Minimal
	Hepatocyte	Vacuolization Cytoplasmic	Focal, Mild
	[ Hepatocellular Adenoma TGLS = 1-21 ]		
* Lung		Congestion	Mild
	[ Congestion TGLS = 2-2 ]		
* Lymph Node, Mesenteric		Hyperplasia	Plasma Cell, Moderate
* Nose	Respirat Epith	Cytoplasmic Alteration	Moderate
* Parathyroid Gland		Cyst	Mild
* Pituitary Gland	Pars Distalis	Cyst	Mild
* Spleen		Hematopoietic Cell Proliferation	Mild
* Thymus		Cyst	Mild

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 93023-07  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** 2,4-Hexadienal  
**CAS Number:** 142-83-6

**Date Report Requested:** 10/20/2014  
**Time Report Requested:** 13:41:49  
**First Dose M/F:** NA / NA  
**Lab:** SRI

**ANIMAL ID:** 102

**TRT#:** 5

**SEX:** Male

**DAY ON TEST:** 730

**DOSE:** 60 MG/KG/DY

**DISP:** Terminal Sacrifice

**HISTO:** 99-87438

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

* Adrenal Cortex	* 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, Mandibular	* 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**

* Kidney		Nephropathy	Mild
* Liver		Infiltration Cellular	Mixed Cell, Minimal
	Hepatocyte	Vacuolization Cytoplasmic	Focal, Minimal
* Lung		Hemorrhage	Minimal
* Lymph Node, Mesenteric		Hemorrhage	Mild
[ Hemorrhage TGLS = 1-5 ]			
* Nose	Glands, Sinus	Fibrosis	Focal, Mild
		Polyp, Inflammatory	Mild
[ Polyp, Inflammatory TGLS = 2-9.2 ]			
Tooth		Malformation	Marked
[ Malformation TGLS = 2-9.2 ]			

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 93023-07  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** 2,4-Hexadienal  
**CAS Number:** 142-83-6

**Date Report Requested:** 10/20/2014  
**Time Report Requested:** 13:41:49  
**First Dose M/F:** NA / NA  
**Lab:** SRI

**ANIMAL ID:** 103

**TRT#:** 5

**SEX:** Male

**DAY ON TEST:** 731

**DOSE:** 60 MG/KG/DY

**DISP:** Terminal Sacrifice

**HISTO:** 99-87439

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

* Adrenal Cortex	* 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	* 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**

* Kidney		Nephropathy	Mild
* Liver		Infiltration Cellular	Mixed Cell, Minimal
Mesentery	Fat	Necrosis	Mild
[ Necrosis TGLS = 1-21 ]			
* Nose	Respirat Epith	Cytoplasmic Alteration	Mild
* Stomach, Forestomach	Epithelium	Hyperplasia	Squamous, Mild
* Thymus		Cyst	Mild
Tooth	Peridont Tiss	Inflammation	Chronic, Moderate

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE



**Experiment Number:** 93023-07  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** 2,4-Hexadienal  
**CAS Number:** 142-83-6

**Date Report Requested:** 10/20/2014  
**Time Report Requested:** 13:41:49  
**First Dose M/F:** NA / NA  
**Lab:** SRI

**ANIMAL ID:** 104

**TRT#:** 5

**SEX:** Male

**DAY ON TEST:** 730

**DOSE:** 60 MG/KG/DY

**DISP:** Terminal Sacrifice

**HISTO:** 99-87440

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

* Adrenal Cortex	* 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	* 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**

* Kidney		Cyst	Mild
		Nephropathy	Mild
* Liver		Hepatocellular Adenoma	Multiple
		Infiltration Cellular	Mixed Cell, Minimal
	Hepatocyte	Mixed Cell Focus	Minimal
	[ Hepatocellular Adenoma TGLS = 1-21, 2-22 ]		
* Nose	Respirat Epith	Cytoplasmic Alteration	Mild
* Spleen		Hemangiosarcoma	

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 93023-07  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** 2,4-Hexadienal  
**CAS Number:** 142-83-6

**Date Report Requested:** 10/20/2014  
**Time Report Requested:** 13:41:49  
**First Dose M/F:** NA / NA  
**Lab:** SRI

**ANIMAL ID:** 105

**TRT#:** 5

**SEX:** Male

**DAY ON TEST:** 731

**DOSE:** 60 MG/KG/DY

**DISP:** Terminal Sacrifice

**HISTO:** 99-87441

**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, Mandibular
* Lymph Node, Mesenteric	* Pancreas	* Parathyroid Gland	* Pituitary Gland
* Preputial Gland	* Prostate	* Salivary Glands	* Seminal Vesicle
* Skin	* Spleen	* Stomach, Glandular	* Thymus
* Thyroid Gland	* Trachea	* Urinary Bladder	

**MISSING**

\* Mammary Gland

**OBSERVATIONS**

* Adrenal Cortex	Subcapsular	Adenoma	
* Kidney		Nephropathy	Moderate
* Liver		Hepatocellular Adenoma	
		Infiltration Cellular	Mixed Cell, Minimal
	[ Hepatocellular Adenoma TGLS = 3-22 ]		
* Lung		Alveolar/Bronchiolar Adenoma	
Mesentery	Fat	Necrosis	Moderate
	[ Necrosis TGLS = 2-21 ]		
* Nose	Respirat Epith	Cytoplasmic Alteration	Mild
* Stomach, Forestomach	Epithelium	Hyperplasia	Squamous, Mild
		Inflammation	Focal, Mild
		Ulcer	Minimal
	[ Hyperplasia TGLS = 4-23 ]		
* Testes		Hemangioma	
	[ Hemangioma TGLS = 1-7 ]		

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 93023-07  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** 2,4-Hexadienal  
**CAS Number:** 142-83-6

**Date Report Requested:** 10/20/2014  
**Time Report Requested:** 13:41:49  
**First Dose M/F:** NA / NA  
**Lab:** SRI

**ANIMAL ID:** 106

**TRT#:** 5

**SEX:** Male

**DAY ON TEST:** 731

**DOSE:** 60 MG/KG/DY

**DISP:** Terminal Sacrifice

**HISTO:** 99-87442

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

* Adrenal Cortex	* 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	* Pancreas
* Parathyroid Gland	* Preputial Gland	* Prostate	* Salivary Glands
* Seminal Vesicle	* Skin	* Stomach, Forestomach	* Stomach, Glandular
* Testes	* Thyroid Gland	* Trachea	* Urinary Bladder

**MISSING**

* Mammary Gland	* Thymus
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**OBSERVATIONS**

* Kidney	Renal Tubule	Hyperplasia Nephropathy	Focal, Mild Mild
* Liver	Hepatocyte Hepatocyte, Periportal	Hepatocellular Carcinoma Infiltration Cellular Vacuolization Cytoplasmic Vacuolization Cytoplasmic	Mixed Cell, Minimal Focal, Moderate Mild
	[ Hepatocellular Carcinoma TGLS = 1-21 ]		
	[ Vacuolization Cytoplasmic TGLS = 1-21, 2-22 ]		
* Nose	Respirat Epith	Cytoplasmic Alteration	Mild
* Pituitary Gland	Pars Distalis	Cyst	Multiple, Mild
* Spleen		Hematopoietic Cell Proliferation	Mild

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 93023-07  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** 2,4-Hexadienal  
**CAS Number:** 142-83-6

**Date Report Requested:** 10/20/2014  
**Time Report Requested:** 13:41:49  
**First Dose M/F:** NA / NA  
**Lab:** SRI

**ANIMAL ID:** 107

**TRT#:** 5

**SEX:** Male

**DAY ON TEST:** 730

**DOSE:** 60 MG/KG/DY

**DISP:** Terminal Sacrifice

**HISTO:** 99-87443

**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	* Pancreas	* Parathyroid Gland
* Preputial Gland	* Prostate	* Salivary Glands	* Spleen
* Stomach, Forestomach	* Stomach, Glandular	* Testes	* Thymus
* Thyroid Gland	* Trachea	* Urinary Bladder	

**MISSING**

\* Mammary Gland

**OBSERVATIONS**

* Adrenal Cortex		Cytoplasmic Alteration	Focal, Minimal
* Kidney		Nephropathy	Mild
* Liver		Infiltration Cellular	Mixed Cell, Minimal
	Hepatocyte, Midzonal	Vacuolization Cytoplasmic	Minimal
	Fat	Necrosis	Mild
Mesentery			
[ Necrosis TGLS = 2-22 ]			
* Nose	Olfactory Epi	Cytoplasmic Alteration	Minimal
	Respirat Epith	Cytoplasmic Alteration	Mild
* Pituitary Gland	Pars Distalis	Cyst	Minimal
* Seminal Vesicle		Dilatation	Moderate
[ Dilatation TGLS = 3-7 ]			
* Skin	Subcut Tiss	Necrosis	Fatty, Focal, Moderate
[ Necrosis TGLS = 1-21 ]			

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 93023-07  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** 2,4-Hexadienal  
**CAS Number:** 142-83-6

**Date Report Requested:** 10/20/2014  
**Time Report Requested:** 13:41:49  
**First Dose M/F:** NA / NA  
**Lab:** SRI

**ANIMAL ID:** 108

**TRT#:** 5

**SEX:** Male

**DAY ON TEST:** 637

**DOSE:** 60 MG/KG/DY

**DISP:** Moribund Sacrifice

**HISTO:** 99-86246

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

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

**MISSING**

* Intestine Small, Ileum	* Mammary Gland
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**OBSERVATIONS**

* Islets, Pancreatic		Adenoma	
* Kidney		Cyst	Mild
		Nephropathy	Minimal
* Liver	Hepatocyte	Mixed Cell Focus	Mild
* Lung		Alveolar/Bronchiolar Adenoma	
	[ Alveolar/Bronchiolar Adenoma TGLS = 5-2-1 ]		
	Mesentery	Fibrosis	Focal, Mild
	[ Fibrosis TGLS = 1-21 ]		
* Parathyroid Gland		Cyst	Marked
* Seminal Vesicle	Bilateral	Dilatation	Moderate
	[ Dilatation TGLS = 3-7, 4-7 ]		
Skeletal Muscle		Infiltration Cellular	Lipocyte, Focal, Moderate
	[ Infiltration Cellular TGLS = 1-21 ]		

**PRIMARY CAUSE OF DEATH** - UNCERTAIN

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 93023-07  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** 2,4-Hexadienal  
**CAS Number:** 142-83-6

**Date Report Requested:** 10/20/2014  
**Time Report Requested:** 13:41:49  
**First Dose M/F:** NA / NA  
**Lab:** SRI

**ANIMAL ID:** 109

**TRT#:** 5

**SEX:** Male

**DAY ON TEST:** 732

**DOSE:** 60 MG/KG/DY

**DISP:** Terminal Sacrifice

**HISTO:** 99-87444

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

* Adrenal Medulla	* Bone	* Bone Marrow	* Brain
* Epididymis	* Esophagus	* 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
* Spleen	* Stomach, Glandular	* Testes	* Thymus
* Thyroid Gland	* Trachea		

**MISSING**

\* Mammary Gland

**OBSERVATIONS**

* Adrenal Cortex	Subcapsular	Adenoma	
* Gallbladder		Cyst	Multiple, Mild
* Kidney		Cyst	Multiple, Mild
Note: One kidney cyst contains multiple spherules of mineral matter.			
* Liver	Hepatocyte	Basophilic Focus	Minimal
	Hepatocyte	Eosinophilic Focus	Multiple, Mild
		Hepatocellular Adenoma	
		Hepatocellular Carcinoma	
	Hepatocyte	Vacuolization Cytoplasmic	Focal, Mild
[ Basophilic Focus TGLS = 5-6 ]			
[ Eosinophilic Focus TGLS = 2-21, 3-27 ]			
[ Hepatocellular Adenoma TGLS = 6-23 ]			
[ Hepatocellular Carcinoma TGLS = 4-22 ]			
[ Vacuolization Cytoplasmic TGLS = 2-21, 3-27, 5-6 ]			
* Lung		Alveolar/Bronchiolar Carcinoma	Multiple
		Hyperplasia	Histiocytic, Moderate
		Hyperplasia	Lymphoid, Moderate
[ Alveolar/Bronchiolar Carcinoma TGLS = 7-24, 8-2 ]			
* Nose	Olfactory Epi	Cytoplasmic Alteration	Minimal

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 93023-07  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** 2,4-Hexadienal  
**CAS Number:** 142-83-6

**Date Report Requested:** 10/20/2014  
**Time Report Requested:** 13:41:49  
**First Dose M/F:** NA / NA  
**Lab:** SRI

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<b>ANIMAL ID:</b> 109	<b>TRT#:</b> 5	<b>SEX:</b> Male	<b>DAY ON TEST:</b> 732
	<b>DOSE:</b> 60 MG/KG/DY	<b>DISP:</b> Terminal Sacrifice	<b>HISTO:</b> 99-87444

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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* Stomach, Forestomach [ Hyperplasia TGLS = 9-26 ]	Respirat Epith Epithelium	Cytoplasmic Alteration Hyperplasia	Mild Squamous, Mild
* Urinary Bladder [ Hemangioma TGLS = 1-25 ]		Hemangioma	

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PRIMARY CAUSE OF DEATH

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-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 93023-07  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** 2,4-Hexadienal  
**CAS Number:** 142-83-6

**Date Report Requested:** 10/20/2014  
**Time Report Requested:** 13:41:49  
**First Dose M/F:** NA / NA  
**Lab:** SRI

**ANIMAL ID:** 110

**TRT#:** 5

**SEX:** Male

**DAY ON TEST:** 731

**DOSE:** 60 MG/KG/DY

**DISP:** Terminal Sacrifice

**HISTO:** 99-87445

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

* Adrenal Cortex	* 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	* Pancreas
* Parathyroid 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**

Harderian Gland		Adenoma	
[ Adenoma TGLS = 3-23 ]			
* Kidney		Cyst	Minimal
		Nephropathy	Mild
* Liver		Infiltration Cellular	Mixed Cell, Minimal
	Hepatocyte	Vacuolization Cytoplasmic	Focal, Mild
	Hepatocyte, Midzonal	Vacuolization Cytoplasmic	Mild
[ Vacuolization Cytoplasmic TGLS = 2-22 ]			
Mesentery	Fat	Necrosis	Moderate
[ Necrosis TGLS = 1-21 ]			
* Nose	Olfactory Epi	Cytoplasmic Alteration	Minimal
	Respirat Epith	Cytoplasmic Alteration	Mild
* Pituitary Gland	Pars Distalis	Cyst	Minimal

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE



**Experiment Number:** 93023-07  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** 2,4-Hexadienal  
**CAS Number:** 142-83-6

**Date Report Requested:** 10/20/2014  
**Time Report Requested:** 13:41:49  
**First Dose M/F:** NA / NA  
**Lab:** SRI

**ANIMAL ID:** 111

**TRT#:** 5  
**DOSE:** 60 MG/KG/DY

**SEX:** Male  
**DISP:** Terminal Sacrifice

**DAY ON TEST:** 731  
**HISTO:** 99-87446

**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, Mandibular
* Lymph Node, Mesenteric	* Pancreas	* 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	Bilateral, Subcapsular	Adenoma	
* Kidney		Metaplasia	Osseous, Focal, Mild
		Nephropathy	Minimal
* Liver		Infiltration Cellular	Mixed Cell, Minimal
	Hepatocyte	Necrosis	Focal, Mild
	Hepatocyte, Midzonal	Vacuolization Cytoplasmic	Mild
* Lung		Alveolar/Bronchiolar Adenoma	Multiple
	[ Alveolar/Bronchiolar Adenoma TGLS = 3-24 ]		
Mesentery	Fat	Necrosis	Moderate
	[ Necrosis TGLS = 1-21 ]		
* Nose	Respirat Epith	Cytoplasmic Alteration	Mild
		Inflammation	Suppurative, Mild
* Stomach, Forestomach		Squamous Cell Papilloma	
	[ Squamous Cell Papilloma TGLS = 4-23 ]		

**PRIMARY CAUSE OF DEATH** -

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 93023-07  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** 2,4-Hexadienal  
**CAS Number:** 142-83-6

**Date Report Requested:** 10/20/2014  
**Time Report Requested:** 13:41:49  
**First Dose M/F:** NA / NA  
**Lab:** SRI

**ANIMAL ID:** 112

**TRT#:** 5

**SEX:** Male

**DAY ON TEST:** 731

**DOSE:** 60 MG/KG/DY

**DISP:** Terminal Sacrifice

**HISTO:** 99-87447

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

* Adrenal Cortex	* 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	* 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**

* Kidney		Nephropathy	Minimal
* Liver		Hepatocellular Adenoma	
	Hepatocyte	Vacuolization Cytoplasmic	Focal, Moderate
	Hepatocyte, Midzonal	Vacuolization Cytoplasmic	Mild
	[ Hepatocellular Adenoma TGLS = 1-21 ]		
	[ Vacuolization Cytoplasmic TGLS = 2-22 ]		
* Nose	Respirat Epith	Cytoplasmic Alteration	Mild
		Inflammation	Suppurative, Mild
* Spleen		Hematopoietic Cell Proliferation	Mild
* Stomach, Forestomach		Squamous Cell Papilloma	
	[ Squamous Cell Papilloma TGLS = 3-23 ]		

**PRIMARY CAUSE OF DEATH**

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\* PROTOCOL REQUIRED TISSUE

Experiment Number: 93023-07  
Test Type: CHRONIC  
Route: GAVAGE  
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA  
Test Compound: 2,4-Hexadienal  
CAS Number: 142-83-6

Date Report Requested: 10/20/2014  
Time Report Requested: 13:41:49  
First Dose M/F: NA / NA  
Lab: SRI

ANIMAL ID: 113

TRT#: 5

SEX: Male

DAY ON TEST: 730

DOSE: 60 MG/KG/DY

DISP: Terminal Sacrifice

HISTO: 99-87448

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Brain	* Epididymis	* Esophagus	* 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	* Spleen	* Stomach, Forestomach	* Stomach, Glandular
* Testes	* Thymus	* Thyroid Gland	* Trachea
* Urinary Bladder			

MISSING

\* Mammary Gland

OBSERVATIONS

* Gallbladder		Cyst	Mild
* Kidney		Nephropathy	Mild
* Liver		Hepatocellular Adenoma	Multiple
		Infiltration Cellular	Mixed Cell, Minimal
	Hepatocyte, Midzonal	Vacuolization Cytoplasmic	Mild
	[ Hepatocellular Adenoma TGLS = 1-6 ]		
* Lung		Alveolar/Bronchiolar Carcinoma	Multiple
	[ Alveolar/Bronchiolar Carcinoma TGLS = 3-22,4-23 ]		
Mesentery	Fat	Necrosis	Mild
	[ Necrosis TGLS = 2-21 ]		
* Nose	Respirat Epith	Cytoplasmic Alteration	Mild

PRIMARY CAUSE OF DEATH

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 93023-07  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** 2,4-Hexadienal  
**CAS Number:** 142-83-6

**Date Report Requested:** 10/20/2014  
**Time Report Requested:** 13:41:49  
**First Dose M/F:** NA / NA  
**Lab:** SRI

**ANIMAL ID:** 114      **TRT#:** 5      **SEX:** Male      **DAY ON TEST:** 730  
**DOSE:** 60 MG/KG/DY      **DISP:** Terminal Sacrifice      **HISTO:** 99-87449

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

* Adrenal Cortex	* 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, Mandibular	* Lymph Node, Mesenteric	* Pancreas	* 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**

* Kidney		Nephropathy	Mild
* Liver		Hepatocellular Adenoma	
		Infiltration Cellular	Mixed Cell, Mild
	Hepatocyte, Midzonal	Vacuolization Cytoplasmic	Mild
	[ Hepatocellular Adenoma TGLS = 3-23 ]		
* Lung		Alveolar/Bronchiolar Adenoma	
		Hyperplasia	Histiocytic, Mild
	[ Alveolar/Bronchiolar Adenoma TGLS = 2-22 ]		
Mesentery	Fat	Necrosis	Mild
	[ Necrosis TGLS = 1-21 ]		
* Nose	Olfactory Epi	Cytoplasmic Alteration	Minimal
	Respirat Epith	Cytoplasmic Alteration	Mild
		Inflammation	Suppurative, Mild
* Stomach, Forestomach		Squamous Cell Papilloma	
	[ Squamous Cell Papilloma TGLS = 4-24 ]		

PRIMARY CAUSE OF DEATH

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 93023-07  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** 2,4-Hexadienal  
**CAS Number:** 142-83-6

**Date Report Requested:** 10/20/2014  
**Time Report Requested:** 13:41:49  
**First Dose M/F:** NA / NA  
**Lab:** SRI

**ANIMAL ID:** 115

**TRT#:** 5

**SEX:** Male

**DAY ON TEST:** 729

**DOSE:** 60 MG/KG/DY

**DISP:** Terminal Sacrifice

**HISTO:** 99-87450

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

* Adrenal Medulla	* Bone	* 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, Mesenteric
* Pancreas	* Parathyroid Gland	* Pituitary 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	
* Bone Marrow	Myeloid Cell	Hyperplasia	Moderate
* Kidney		Nephropathy	Minimal
* Liver	Hepatocyte	Eosinophilic Focus	Moderate
		Hepatocellular Adenoma	
		[ Hepatocellular Adenoma TGLS = 6-22 ]	
* Lymph Node, Mandibular		Hyperplasia	Plasma Cell, Moderate
		Rhabdomyosarcoma	Metastatic (Skeletal Muscle)
		[ Rhabdomyosarcoma TGLS = 2-8 ]	
Mesentery	Fat	Necrosis	Mild
		[ Necrosis TGLS = 4-21 ]	
* Nose	Respirat Epith	Cytoplasmic Alteration	Mild
* Preputial Gland		Degeneration	Cystic, Moderate
		[ Degeneration TGLS = 3-8 ]	
Skeletal Muscle		Rhabdomyosarcoma	
		[ Rhabdomyosarcoma TGLS = 7-9, 7-23 ]	
* Spleen		Hematopoietic Cell Proliferation	Mild
		[ Hematopoietic Cell Proliferation TGLS = 5-6 ]	

PRIMARY CAUSE OF DEATH

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 93023-07  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** 2,4-Hexadienal  
**CAS Number:** 142-83-6

**Date Report Requested:** 10/20/2014  
**Time Report Requested:** 13:41:49  
**First Dose M/F:** NA / NA  
**Lab:** SRI

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**ANIMAL ID:** 115

**TRT#:** 5

**SEX:** Male

**DAY ON TEST:** 729

**DOSE:** 60 MG/KG/DY

**DISP:** Terminal Sacrifice

**HISTO:** 99-87450

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 93023-07  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** 2,4-Hexadienal  
**CAS Number:** 142-83-6

**Date Report Requested:** 10/20/2014  
**Time Report Requested:** 13:41:49  
**First Dose M/F:** NA / NA  
**Lab:** SRI

**ANIMAL ID:** 116

**TRT#:** 5

**SEX:** Male

**DAY ON TEST:** 729

**DOSE:** 60 MG/KG/DY

**DISP:** Terminal Sacrifice

**HISTO:** 99-87451

**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	* 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 Harderian Gland [ Adenoma TGLS = 4-23 ]	Subcapsular	Hyperplasia Adenoma	Focal, Mild
* Kidney		Nephropathy	Minimal
* Liver [ Hepatocellular Adenoma TGLS = 2-22 ]	Hepatocyte, Midzonal	Hepatocellular Adenoma Infiltration Cellular Vacuolization Cytoplasmic	Mixed Cell, Minimal Minimal
Mesentery [ Necrosis TGLS = 1-21 ]	Fat	Necrosis	Mild
* Nose	Olfactory Epi Respirat Epith	Cytoplasmic Alteration Cytoplasmic Alteration Inflammation Polyp, Inflammatory	Minimal Mild Suppurative, Moderate Mild
Tooth [ Malformation TGLS = 3-9 ]		Malformation	Moderate

**PRIMARY CAUSE OF DEATH**

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 93023-07  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** 2,4-Hexadienal  
**CAS Number:** 142-83-6

**Date Report Requested:** 10/20/2014  
**Time Report Requested:** 13:41:49  
**First Dose M/F:** NA / NA  
**Lab:** SRI

**ANIMAL ID:** 117

**TRT#:** 5

**SEX:** Male

**DAY ON TEST:** 352

**DOSE:** 60 MG/KG/DY

**DISP:** Natural Death

**HISTO:** 98-84027

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Epididymis	* Esophagus	* Heart	* Islets, Pancreatic
* Kidney	* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Pancreas
* Parathyroid Gland	* Pituitary Gland	* Preputial Gland	* Prostate
* Salivary Glands	* Seminal Vesicle	* Skin	* Testes
* Thymus	* Thyroid Gland	* Trachea	

**MISSING**

\* Mammary Gland

**AUTO PRECLUDES DIAG.**

* Gallbladder	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Stomach, Forestomach
* Stomach, Glandular	* Urinary Bladder		

**OBSERVATIONS**

* Brain		Hemorrhage	Focal, Mild
* Liver		Congestion	Focal, Moderate
		Hemorrhage	Focal, Mild
[ Congestion TGLS = 2-6 ]			
[ Hemorrhage TGLS = 2-6 ]			
* Lung		Congestion	Moderate
[ Congestion TGLS = 3-2 ]			
* Nose	Olfactory Epi	Cytoplasmic Alteration	Minimal
	Respirat Epith	Cytoplasmic Alteration	Moderate
* Spleen		Hematopoietic Cell Proliferation	Moderate

**PRIMARY CAUSE OF DEATH**

- Brain Hemorrhage

\* PROTOCOL REQUIRED TISSUE



**Experiment Number:** 93023-07  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** 2,4-Hexadienal  
**CAS Number:** 142-83-6

**Date Report Requested:** 10/20/2014  
**Time Report Requested:** 13:41:49  
**First Dose M/F:** NA / NA  
**Lab:** SRI

**ANIMAL ID:** 118

**TRT#:** 5

**SEX:** Male

**DAY ON TEST:** 731

**DOSE:** 60 MG/KG/DY

**DISP:** Terminal Sacrifice

**HISTO:** 99-87452

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Brain	* Epididymis	* Esophagus	* 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
* Prostate	* Salivary Glands	* Seminal Vesicle	* Skin
* Stomach, Forestomach	* Stomach, Glandular	* Testes	* Thyroid Gland
* Trachea	* Urinary Bladder		

**MISSING**

* Gallbladder	* Mammary Gland
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**OBSERVATIONS**

* Kidney		Nephropathy	Mild
* Liver		Infiltration Cellular	Mixed Cell, Minimal
* Lung		Alveolar/Bronchiolar Carcinoma	
		Hyperplasia	Histiocytic, Marked
		Hyperplasia	Lymphoid, Moderate
	[ Alveolar/Bronchiolar Carcinoma TGLS = 4-2 ]		
	[ Hyperplasia TGLS = 7-2 ]		
Lymph Node	Mediastinal	Hyperplasia	Plasma Cell, Marked
	[ Hyperplasia TGLS = 6-22 ]		
Mesentery	Fat	Necrosis	Moderate
	[ Necrosis TGLS = 2-21 ]		
* Nose	Respirat Epith	Cytoplasmic Alteration	Minimal
		Inflammation	Suppurative, Mild
* Preputial Gland		Degeneration	Cystic, Moderate
	[ Degeneration TGLS = 3-8 ]		
* Spleen		Hematopoietic Cell Proliferation	Mild
* Thymus		Atrophy	Mild
	[ Atrophy TGLS = 5-2 ]		
Tooth	Peridont Tiss	Inflammation	Chronic, Minimal

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 93023-07  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** 2,4-Hexadienal  
**CAS Number:** 142-83-6

**Date Report Requested:** 10/20/2014  
**Time Report Requested:** 13:41:49  
**First Dose M/F:** NA / NA  
**Lab:** SRI

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**ANIMAL ID:** 118

**TRT#:** 5

**SEX:** Male

**DAY ON TEST:** 731

**DOSE:** 60 MG/KG/DY

**DISP:** Terminal Sacrifice

**HISTO:** 99-87452

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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PRIMARY CAUSE OF DEATH

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 93023-07  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** 2,4-Hexadienal  
**CAS Number:** 142-83-6

**Date Report Requested:** 10/20/2014  
**Time Report Requested:** 13:41:49  
**First Dose M/F:** NA / NA  
**Lab:** SRI

**ANIMAL ID:** 119

**TRT#:** 5

**SEX:** Male

**DAY ON TEST:** 704

**DOSE:** 60 MG/KG/DY

**DISP:** Natural Death

**HISTO:** 99-86706

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

* Adrenal Medulla	* Bone	* Brain	* Epididymis
* Esophagus	* Heart	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* 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 [ Adenoma TGLS = 4-10 ]	Subcapsular	Adenoma	
* Bone Marrow		Histiocytic Sarcoma	
* Gallbladder	Epithelium	Degeneration	Hyaline, Moderate
* Kidney		Accumulation, Hyaline Droplet	Moderate
		Histiocytic Sarcoma	
		Nephropathy	Mild
* Liver [ Histiocytic Sarcoma TGLS = 1-6 ]	Hepatocyte	Histiocytic Sarcoma	
		Necrosis	Focal, Moderate
* Lung		Histiocytic Sarcoma	
Lymph Node	Bronchial	Histiocytic Sarcoma	
	Inguinal	Histiocytic Sarcoma	
* Lymph Node, Mandibular		Pigmentation	Moderate
* Lymph Node, Mesenteric [ Histiocytic Sarcoma TGLS = 6-5 ]		Histiocytic Sarcoma	
Mesentery		Histiocytic Sarcoma	
	Fat	Necrosis	Moderate
[ Necrosis TGLS = 3-21 ]			

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 93023-07  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** 2,4-Hexadienal  
**CAS Number:** 142-83-6

**Date Report Requested:** 10/20/2014  
**Time Report Requested:** 13:41:49  
**First Dose M/F:** NA / NA  
**Lab:** SRI

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<b>ANIMAL ID:</b> 119	<b>TRT#:</b> 5	<b>SEX:</b> Male	<b>DAY ON TEST:</b> 704
	<b>DOSE:</b> 60 MG/KG/DY	<b>DISP:</b> Natural Death	<b>HISTO:</b> 99-86706

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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* Nose	Respirat Epith	Cytoplasmic Alteration	Moderate
* Spleen		Histiocytic Sarcoma	
[ Histiocytic Sarcoma TGLS = 2-6 ]			
* Stomach, Forestomach	Epithelium	Hyperplasia	Squamous, Moderate

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PRIMARY CAUSE OF DEATH - Liver Histiocytic Sarcoma

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 93023-07  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** 2,4-Hexadienal  
**CAS Number:** 142-83-6

**Date Report Requested:** 10/20/2014  
**Time Report Requested:** 13:41:49  
**First Dose M/F:** NA / NA  
**Lab:** SRI

**ANIMAL ID:** 120

**TRT#:** 5

**SEX:** Male

**DAY ON TEST:** 731

**DOSE:** 60 MG/KG/DY

**DISP:** Terminal Sacrifice

**HISTO:** 99-87453

**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	* 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	Focal, Mild
Harderian Gland		Carcinoma	
Note: Carcinoma (TGL 2-22) developed in a Harderian gland adenoma [ Carcinoma TGLS = 2-22 ]			
* Kidney		Nephropathy	Mild
* Liver		Infiltration Cellular	Mixed Cell, Minimal
Mesentery	Fat	Necrosis	Moderate
[ Necrosis TGLS = 1-21 ]			
* Spleen		Hematopoietic Cell Proliferation	Mild

**PRIMARY CAUSE OF DEATH**

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 93023-07  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** 2,4-Hexadienal  
**CAS Number:** 142-83-6

**Date Report Requested:** 10/20/2014  
**Time Report Requested:** 13:41:49  
**First Dose M/F:** NA / NA  
**Lab:** SRI

**ANIMAL ID:** 121

**TRT#:** 5

**SEX:** Male

**DAY ON TEST:** 732

**DOSE:** 60 MG/KG/DY

**DISP:** Terminal Sacrifice

**HISTO:** 99-87454

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

* Adrenal Cortex	* 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	* 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**

* Kidney		Nephropathy	Mild
* Liver		Hepatocellular Adenoma	Multiple
		Infiltration Cellular	Mixed Cell, Minimal
	Hepatocyte	Vacuolization Cytoplasmic	Focal, Mild
	Hepatocyte, Midzonal	Vacuolization Cytoplasmic	Mild
	[ Hepatocellular Adenoma TGLS = 1-21, 2-6 ]		
	[ Vacuolization Cytoplasmic TGLS = 2-6 ]		
	[ Vacuolization Cytoplasmic TGLS = 2-6 ]		
Mesentery		Hemorrhage	Minimal
	Fat	Necrosis	Moderate
	[ Hemorrhage TGLS = 4-23 ]		
	[ Necrosis TGLS = 3-22, 4-23 ]		
* Nose	Respirat Epith	Cytoplasmic Alteration	Minimal
Tooth		Malformation	Moderate
	[ Malformation TGLS = 5-9 ]		

**PRIMARY CAUSE OF DEATH**

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 93023-07  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** 2,4-Hexadienal  
**CAS Number:** 142-83-6

**Date Report Requested:** 10/20/2014  
**Time Report Requested:** 13:41:49  
**First Dose M/F:** NA / NA  
**Lab:** SRI

**ANIMAL ID:** 122

**TRT#:** 5

**SEX:** Male

**DAY ON TEST:** 680

**DOSE:** 60 MG/KG/DY

**DISP:** Natural Death

**HISTO:** 99-86630

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Brain	Coagulating Gland	* Epididymis	* Esophagus
* Heart	* Intestine Large, Colon	* Intestine Large, Rectum	* Islets, Pancreatic
* Lymph Node, Mandibular	* Pancreas	* Pituitary Gland	* Preputial Gland
* Prostate	* Salivary Glands	* Skin	* Stomach, Forestomach
* Stomach, Glandular	* Testes	* Thymus	* Thyroid Gland
* Trachea	* Urinary Bladder		

**MISSING**

* Mammary Gland	* Parathyroid Gland
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**AUTO PRECLUDES DIAG.**

* Gallbladder	* Intestine Large, Cecum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Lymph Node, Mesenteric			

**OBSERVATIONS**

* Intestine Small, Jejunum [ Hyperplasia TGLS = 11-26 ]	Peyers Patch	Hyperplasia	Lymphoid, Moderate
* Kidney		Nephropathy	Minimal
* Liver  [ Hemangiosarcoma TGLS = 2-21 ] [ Hepatocellular Adenoma TGLS = 7-23 ] [ Necrosis TGLS = 8-24 ]		Hemangiosarcoma Hepatocellular Adenoma Necrosis	Focal, Moderate
* Lung Mesentery [ Necrosis TGLS = 9-25 ]	Fat	Infiltration Cellular Necrosis	Mixed Cell, Mild Moderate
* Nose	Respirat Epith	Cytoplasmic Alteration	Mild
* Seminal Vesicle [ Dilatation TGLS = 5-7-1 ]		Dilatation	Moderate
* Spleen		Hemangiosarcoma Hematopoietic Cell Proliferation	Mild

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 93023-07  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** 2,4-Hexadienal  
**CAS Number:** 142-83-6

**Date Report Requested:** 10/20/2014  
**Time Report Requested:** 13:41:49  
**First Dose M/F:** NA / NA  
**Lab:** SRI

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<b>ANIMAL ID:</b> 122	<b>TRT#:</b> 5	<b>SEX:</b> Male	<b>DAY ON TEST:</b> 680
	<b>DOSE:</b> 60 MG/KG/DY	<b>DISP:</b> Natural Death	<b>HISTO:</b> 99-86630

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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[ Hemangiosarcoma TGLS = 3-22 ]	Hyperplasia	Lymphoid, Mild
<b>PRIMARY CAUSE OF DEATH</b>	- Liver Hemangiosarcoma	

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\* PROTOCOL REQUIRED TISSUE



**Experiment Number:** 93023-07  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** 2,4-Hexadienal  
**CAS Number:** 142-83-6

**Date Report Requested:** 10/20/2014  
**Time Report Requested:** 13:41:49  
**First Dose M/F:** NA / NA  
**Lab:** SRI

**ANIMAL ID:** 123

**TRT#:** 5

**SEX:** Male

**DAY ON TEST:** 730

**DOSE:** 60 MG/KG/DY

**DISP:** Terminal Sacrifice

**HISTO:** 99-87455

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

* Adrenal Cortex	* 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, Mandibular	* Lymph Node, Mesenteric	* Pancreas	* Parathyroid Gland
* Prostate	* Salivary Glands	* Seminal Vesicle	* Skin
* Spleen	* Stomach, Forestomach	* Stomach, Glandular	* Testes
* Thymus	* Thyroid Gland	* Trachea	* Urinary Bladder

**MISSING**

\* Mammary Gland

**OBSERVATIONS**

* Kidney		Nephropathy	Minimal
* Liver		Hepatocellular Adenoma	Multiple
		Infiltration Cellular	Mixed Cell, Minimal
	Hepatocyte, Midzonal	Vacuolization Cytoplasmic	Moderate
	[ Hepatocellular Adenoma TGLS = 3-21, 4-22 ]		
	[ Vacuolization Cytoplasmic TGLS = 2-6 ]		
* Lung		Alveolar/Bronchiolar Carcinoma	
		Congestion	Mild
		Hemorrhage	Mild
	[ Alveolar/Bronchiolar Carcinoma TGLS = 5-23 ]		
Mesentery	Fat	Necrosis	Minimal
* Nose	Olfactory Epi	Cytoplasmic Alteration	Minimal
	Respirat Epith	Cytoplasmic Alteration	Minimal
* Pituitary Gland	Pars Distalis	Hyperplasia	Focal, Mild
* Preputial Gland		Degeneration	Cystic, Moderate
	[ Degeneration TGLS = 1-8 ]		
Tooth		Malformation	Mild

**PRIMARY CAUSE OF DEATH** -

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 93023-07  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** 2,4-Hexadienal  
**CAS Number:** 142-83-6

**Date Report Requested:** 10/20/2014  
**Time Report Requested:** 13:41:49  
**First Dose M/F:** NA / NA  
**Lab:** SRI

**ANIMAL ID:** 124

**TRT#:** 5

**SEX:** Male

**DAY ON TEST:** 730

**DOSE:** 60 MG/KG/DY

**DISP:** Terminal Sacrifice

**HISTO:** 99-87456

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

* Adrenal Cortex	* 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	* Islets, Pancreatic	* Lymph Node, Mandibular
* Lymph Node, Mesenteric	* Pancreas	* Parathyroid Gland	* Pituitary Gland
* Prostate	* Salivary Glands	* Seminal Vesicle	* Stomach, Forestomach
* Stomach, Glandular	* Testes	* Trachea	* Urinary Bladder

**MISSING**

\* Mammary Gland

**OBSERVATIONS**

* Intestine Small, Jejunum [ Carcinoma TGLS = 5-23 ]		Carcinoma	
* Kidney		Nephropathy	Mild
* Liver [ Hepatocellular Adenoma TGLS = 4-22 ]	Hepatocyte	Eosinophilic Focus Hepatocellular Adenoma	Mild
* Lung [ Alveolar/Bronchiolar Adenoma TGLS = 7-24 ]		Alveolar/Bronchiolar Adenoma	
Mesentery [ Necrosis TGLS = 2-21 ]	Fat	Necrosis	Moderate
* Nose [ Inflammation TGLS = 8-25 ] [ Ulcer TGLS = 9-26 ]	Respirat Epith	Cytoplasmic Alteration Inflammation Inflammation Ulcer	Mild Chronic, Mild Chronic, Focal, Mild Moderate
* Spleen [ Hematopoietic Cell Proliferation TGLS = 3-6 ]		Hematopoietic Cell Proliferation	Moderate
* Thymus [ Hyperplasia TGLS = 6-2 ]		Hyperplasia	Lymphoid, Moderate

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 93023-07  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** 2,4-Hexadienal  
**CAS Number:** 142-83-6

**Date Report Requested:** 10/20/2014  
**Time Report Requested:** 13:41:49  
**First Dose M/F:** NA / NA  
**Lab:** SRI

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**ANIMAL ID:** 124

**TRT#:** 5

**SEX:** Male

**DAY ON TEST:** 730

**DOSE:** 60 MG/KG/DY

**DISP:** Terminal Sacrifice

**HISTO:** 99-87456

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**ORGAN AND ACCOUNTABLE SITE STATUS**

---

\* Thyroid Gland

Degeneration

Cystic, Focal, Minimal

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PRIMARY CAUSE OF DEATH

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 93023-07  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** 2,4-Hexadienal  
**CAS Number:** 142-83-6

**Date Report Requested:** 10/20/2014  
**Time Report Requested:** 13:41:49  
**First Dose M/F:** NA / NA  
**Lab:** SRI

**ANIMAL ID:** 125

**TRT#:** 5

**SEX:** Male

**DAY ON TEST:** 730

**DOSE:** 60 MG/KG/DY

**DISP:** Terminal Sacrifice

**HISTO:** 99-87457

**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, Mandibular
* Lymph Node, Mesenteric	* Parathyroid Gland	* Pituitary Gland	* Prostate
* Salivary Glands	* Seminal Vesicle	* Skin	* Spleen
* Stomach, Forestomach	* Stomach, Glandular	* Testes	* Thymus
* Trachea	* Urinary Bladder		

**MISSING**

\* Mammary Gland

**OBSERVATIONS**

* Adrenal Cortex		Accessory Adrenal Cortical Nodule	Minimal
	Subcapsular	Hyperplasia	Focal, Mild
* Kidney		Nephropathy	Mild
* Liver		Hepatocellular Adenoma	
		Infiltration Cellular	Mixed Cell, Minimal
	[ Hepatocellular Adenoma TGLS = 2-21 ]		
* Lung	Alveolar Epith	Hyperplasia	Mild
		Hyperplasia	Histiocytic, Mild
	[ Hyperplasia TGLS = 5-23 ]		
	[ Hyperplasia TGLS = 5-23 ]		
Mesentery	Fat	Necrosis	Mild
	[ Necrosis TGLS = 3-22 ]		
* Nose	Respirat Epith	Cytoplasmic Alteration	Minimal
		Inflammation	Suppurative, Minimal
* Pancreas	Duct	Cyst	Moderate
* Preputial Gland		Degeneration	Cystic, Moderate
	[ Degeneration TGLS = 1-8 ]		
* Thyroid Gland		Degeneration	Cystic, Focal, Mild

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 93023-07  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** 2,4-Hexadienal  
**CAS Number:** 142-83-6

**Date Report Requested:** 10/20/2014  
**Time Report Requested:** 13:41:49  
**First Dose M/F:** NA / NA  
**Lab:** SRI

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**ANIMAL ID:** 125

**TRT#:** 5

**SEX:** Male

**DAY ON TEST:** 730

**DOSE:** 60 MG/KG/DY

**DISP:** Terminal Sacrifice

**HISTO:** 99-87457

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 93023-07  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** 2,4-Hexadienal  
**CAS Number:** 142-83-6

**Date Report Requested:** 10/20/2014  
**Time Report Requested:** 13:41:49  
**First Dose M/F:** NA / NA  
**Lab:** SRI

**ANIMAL ID:** 126

**TRT#:** 5

**SEX:** Male

**DAY ON TEST:** 731

**DOSE:** 60 MG/KG/DY

**DISP:** Terminal Sacrifice

**HISTO:** 99-87458

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

* Adrenal Cortex	* 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	* Pancreas	* Parathyroid Gland
* Pituitary Gland	* Preputial Gland	* Prostate	* Salivary Glands
* Spleen	* Stomach, Forestomach	* Stomach, Glandular	* Testes
* Thyroid Gland	* Trachea	* Urinary Bladder	

**MISSING**

\* Mammary Gland

**OBSERVATIONS**

Harderian Gland [ Adenoma TGLS = 4-22 ]		Adenoma	
* Kidney		Nephropathy	Mild
* Liver	Oval Cell	Hyperplasia	Mild
		Inflammation	Chronic, Mild
	Hepatocyte	Mixed Cell Focus	Mild
	Hepatocyte	Vacuolization Cytoplasmic	Focal, Minimal
[ Hyperplasia TGLS = 3-6 ] [ Inflammation TGLS = 3-6 ]			
* Lymph Node, Mesenteric [ Lymphoma Malignant TGLS = 2-21 ]		Lymphoma Malignant	
* Nose	Respirat Epith	Cytoplasmic Alteration	Minimal
* Seminal Vesicle [ Inflammation TGLS = 1-7 ]		Inflammation	Chronic, Mild
* Skin [ Ulcer TGLS = 5-23 ]		Ulcer	Moderate
* Thymus		Cyst	Multiple, Mild

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 93023-07  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** 2,4-Hexadienal  
**CAS Number:** 142-83-6

**Date Report Requested:** 10/20/2014  
**Time Report Requested:** 13:41:49  
**First Dose M/F:** NA / NA  
**Lab:** SRI

**ANIMAL ID:** 127

**TRT#:** 5

**SEX:** Male

**DAY ON TEST:** 730

**DOSE:** 60 MG/KG/DY

**DISP:** Terminal Sacrifice

**HISTO:** 99-87459

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Brain	* Epididymis	* Esophagus	* 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
* Prostate	* Salivary Glands	* Seminal Vesicle	* Skin
* Spleen	* Stomach, Forestomach	* Stomach, Glandular	* Testes
* Thymus	* Thyroid Gland	* Trachea	* Urinary Bladder

**MISSING**

\* Mammary Gland

**OBSERVATIONS**

* Gallbladder		Cyst	Minimal
* Kidney		Nephropathy	Minimal
* Liver	Hepatocyte	Mixed Cell Focus	Minimal
	Hepatocyte, Midzonal	Vacuolization Cytoplasmic	Moderate
	[ Mixed Cell Focus TGLS = 2-21 ]		
	[ Vacuolization Cytoplasmic TGLS = 2-21 ]		
* Lung	Alveolar Epith	Hyperplasia	Mild
	[ Hyperplasia TGLS = 3-23 ]		
Mesentery	Fat	Necrosis	Moderate
	[ Necrosis TGLS = 4-22 ]		
* Nose	Respirat Epith	Cytoplasmic Alteration	Minimal
* Preputial Gland		Degeneration	Cystic, Moderate
	[ Degeneration TGLS = 1-8 ]		

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 93023-07  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** 2,4-Hexadienal  
**CAS Number:** 142-83-6

**Date Report Requested:** 10/20/2014  
**Time Report Requested:** 13:41:49  
**First Dose M/F:** NA / NA  
**Lab:** SRI

**ANIMAL ID:** 128

**TRT#:** 5

**SEX:** Male

**DAY ON TEST:** 732

**DOSE:** 60 MG/KG/DY

**DISP:** Terminal Sacrifice

**HISTO:** 99-87460

**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	* Pancreas	* Parathyroid Gland
* Prostate	* Salivary Glands	* Seminal Vesicle	* Skin
* Spleen	* Stomach, Forestomach	* Stomach, Glandular	* Testes
* Thyroid Gland	* Trachea	* Urinary Bladder	

**MISSING**

\* Mammary Gland

**INSUFFICIENT TISSUE**

\* Thymus

**OBSERVATIONS**

* Adrenal Cortex	Subcapsular	Hyperplasia	Focal, Mild
* Kidney		Nephropathy	Mild
* Liver		Hepatocellular Adenoma	
	Hepatocyte	Vacuolization Cytoplasmic	Focal, Mild
	Hepatocyte, Midzonal	Vacuolization Cytoplasmic	Minimal
	[ Hepatocellular Adenoma TGLS = 4-6 ]		
	[ Vacuolization Cytoplasmic TGLS = 4-6 ]		
Mesentery	Fat	Necrosis	Moderate
	[ Necrosis TGLS = 3-21 ]		
* Nose	Respirat Epith	Cytoplasmic Alteration	Mild
		Inflammation	Suppurative, Mild
* Pituitary Gland	Pars Distalis	Degeneration	Cystic, Focal, Minimal
* Preputial Gland		Degeneration	Cystic, Moderate
	[ Degeneration TGLS = 1-8 ]		

**PRIMARY CAUSE OF DEATH**

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\* PROTOCOL REQUIRED TISSUE



**Experiment Number:** 93023-07  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** 2,4-Hexadienal  
**CAS Number:** 142-83-6

**Date Report Requested:** 10/20/2014  
**Time Report Requested:** 13:41:49  
**First Dose M/F:** NA / NA  
**Lab:** SRI

**ANIMAL ID:** 129

**TRT#:** 5

**SEX:** Male

**DAY ON TEST:** 731

**DOSE:** 60 MG/KG/DY

**DISP:** Terminal Sacrifice

**HISTO:** 99-87461

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

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

**MISSING**

\* Mammary Gland

**OBSERVATIONS**

* Gallbladder	Epithelium Epithelium	Degeneration Hyperplasia Infiltration Cellular	Hyaline, Moderate Adenomatous, Moderate
* Intestine Small, Ileum		Congestion	Mixed Cell, Mild
* Kidney		Nephropathy	Mild
[ Congestion TGLS = 6-5 ]			
* Liver		Hepatocellular Adenoma Infiltration Cellular	Multiple Lymphocyte, Mild
[ Hepatocellular Adenoma TGLS = 2-21, 3-22 ]			
* Lymph Node, Mesenteric		Hyperplasia	Plasma Cell, Moderate
[ Hyperplasia TGLS = 5-5 ]			
* Nose	Respirat Epith	Cytoplasmic Alteration	Mild
* Preputial Gland		Degeneration	Cystic, Moderate
[ Degeneration TGLS = 1-8 ]			
* Spleen		Hematopoietic Cell Proliferation Hyperplasia	Mild Lymphoid, Moderate
[ Hematopoietic Cell Proliferation TGLS = 4-6 ]			
[ Hyperplasia TGLS = 4-6 ]			
* Thymus		Cyst	Mild
* Thyroid Gland		Degeneration	Cystic, Focal, Minimal

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 93023-07  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** 2,4-Hexadienal  
**CAS Number:** 142-83-6

**Date Report Requested:** 10/20/2014  
**Time Report Requested:** 13:41:49  
**First Dose M/F:** NA / NA  
**Lab:** SRI

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**ANIMAL ID:** 129

**TRT#:** 5

**SEX:** Male

**DAY ON TEST:** 731

**DOSE:** 60 MG/KG/DY

**DISP:** Terminal Sacrifice

**HISTO:** 99-87461

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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PRIMARY CAUSE OF DEATH

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 93023-07  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** 2,4-Hexadienal  
**CAS Number:** 142-83-6

**Date Report Requested:** 10/20/2014  
**Time Report Requested:** 13:41:49  
**First Dose M/F:** NA / NA  
**Lab:** SRI

**ANIMAL ID:** 130

**TRT#:** 5

**SEX:** Male

**DAY ON TEST:** 730

**DOSE:** 60 MG/KG/DY

**DISP:** Terminal Sacrifice

**HISTO:** 99-87462

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Brain
* Esophagus	* Gallbladder	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Pancreas	* Parathyroid Gland
* Pituitary Gland	* Seminal Vesicle	* Stomach, Forestomach	* Stomach, Glandular
* Testes	* Thyroid Gland	* Trachea	

**MISSING**

\* Mammary Gland

**OBSERVATIONS**

* Bone Marrow		Lymphoma Malignant	
* Epididymis		Lymphoma Malignant	
* Heart		Lymphoma Malignant	
* Intestine Small, Ileum		Carcinoma	
		Lymphoma Malignant	
[ Carcinoma TGLS = 4-23 ]			
* Kidney		Atrophy	Moderate
		Hydronephrosis	Moderate
		Lymphoma Malignant	
		Nephropathy	Mild
* Liver		Hepatocellular Adenoma	Multiple
		Hepatocellular Carcinoma	
		Lymphoma Malignant	
[ Hepatocellular Adenoma TGLS = 3-22, 5-24 ]			
[ Hepatocellular Carcinoma TGLS = 3-22 ]			
* Lung		Lymphoma Malignant	
Mesentery		Lymphoma Malignant	
	Fat	Necrosis	Moderate
[ Necrosis TGLS = 2-21 ]			
* Nose	Respirat Epith	Cytoplasmic Alteration	Moderate
* Preputial Gland		Lymphoma Malignant	

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 93023-07  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** 2,4-Hexadienal  
**CAS Number:** 142-83-6

**Date Report Requested:** 10/20/2014  
**Time Report Requested:** 13:41:49  
**First Dose M/F:** NA / NA  
**Lab:** SRI

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<b>ANIMAL ID:</b> 130	<b>TRT#:</b> 5	<b>SEX:</b> Male	<b>DAY ON TEST:</b> 730
	<b>DOSE:</b> 60 MG/KG/DY	<b>DISP:</b> Terminal Sacrifice	<b>HISTO:</b> 99-87462

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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* Prostate		Lymphoma Malignant
* Salivary Glands		Lymphoma Malignant
* Skin	Subcut Tiss	Lymphoma Malignant
* Spleen		Lymphoma Malignant
[ Lymphoma Malignant TGLS = 1-6 ]		
* Thymus		Lymphoma Malignant
Ureter		Lymphoma Malignant
Urethra		Lymphoma Malignant
* Urinary Bladder		Lymphoma Malignant

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PRIMARY CAUSE OF DEATH -

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 93023-07  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** 2,4-Hexadienal  
**CAS Number:** 142-83-6

**Date Report Requested:** 10/20/2014  
**Time Report Requested:** 13:41:49  
**First Dose M/F:** NA / NA  
**Lab:** SRI

**ANIMAL ID:** 131

**TRT#:** 5

**SEX:** Male

**DAY ON TEST:** 730

**DOSE:** 60 MG/KG/DY

**DISP:** Terminal Sacrifice

**HISTO:** 99-87463

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

* Adrenal Cortex	* 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	* Pancreas
* Parathyroid Gland	* Prostate	* Salivary Glands	* Seminal Vesicle
* Skin	* Testes	* Thymus	* Thyroid Gland
* Trachea	* Urinary Bladder		

**MISSING**

* Mammary Gland	* Nose	* Pituitary Gland	* Stomach, Forestomach
* Stomach, Glandular			

**OBSERVATIONS**

* Kidney		Nephropathy	Mild
* Liver	Hepatocyte	Vacuolization Cytoplasmic	Diffuse, Moderate
[ Vacuolization Cytoplasmic TGLS = 3-6 ]			
Mesentery	Fat	Necrosis	Moderate
[ Necrosis TGLS = 2-21 ]			
* Preputial Gland		Degeneration	Cystic, Moderate
[ Degeneration TGLS = 1-8 ]			
* Spleen		Hematopoietic Cell Proliferation	Mild

**PRIMARY CAUSE OF DEATH**

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 93023-07  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** 2,4-Hexadienal  
**CAS Number:** 142-83-6

**Date Report Requested:** 10/20/2014  
**Time Report Requested:** 13:41:49  
**First Dose M/F:** NA / NA  
**Lab:** SRI

**ANIMAL ID:** 132

**TRT#:** 5

**SEX:** Male

**DAY ON TEST:** 731

**DOSE:** 60 MG/KG/DY

**DISP:** Terminal Sacrifice

**HISTO:** 99-87464

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

* Adrenal Cortex	* 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, Mandibular	* Lymph Node, Mesenteric	* 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**

* Kidney	Renal Tubule	Adenoma Nephropathy	Moderate
Note: Kidney adenoma is in cortex of right kidney, near capsule.			
* Liver		Hepatocellular Carcinoma Infiltration Cellular	Multiple Mixed Cell, Minimal
[ Hepatocellular Carcinoma TGLS = 2-21, 3-22 ]			
* Lung		Hepatocellular Carcinoma	Metastatic (Liver)
* Nose	Respirat Epith	Cytoplasmic Alteration	Mild
* Spleen		Hematopoietic Cell Proliferation	Moderate
[ Hematopoietic Cell Proliferation TGLS = 1-6 ]			
* Stomach, Forestomach	Epithelium	Hyperplasia Inflammation	Squamous, Marked Focal, Mild
[ Hyperplasia TGLS = 4-23 ]			
[ Inflammation TGLS = 4-23 ]			
Tooth	Peridont Tiss	Inflammation	Chronic, Mild

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 93023-07  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** 2,4-Hexadienal  
**CAS Number:** 142-83-6

**Date Report Requested:** 10/20/2014  
**Time Report Requested:** 13:41:49  
**First Dose M/F:** NA / NA  
**Lab:** SRI

**ANIMAL ID:** 133

**TRT#:** 5

**SEX:** Male

**DAY ON TEST:** 732

**DOSE:** 60 MG/KG/DY

**DISP:** Terminal Sacrifice

**HISTO:** 99-87465

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

* Adrenal Cortex	* 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, Mandibular	* Lymph Node, Mesenteric	* Pancreas	* Parathyroid Gland
* Preputial Gland	* Prostate	* Salivary Glands	* Seminal Vesicle
* Skin	* Spleen	* Stomach, Forestomach	* Stomach, Glandular
* Testes	* Thymus	* Thyroid Gland	* Trachea
* Urinary Bladder			

**MISSING**

* Mammary Gland	* Pituitary Gland
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**OBSERVATIONS**

* Kidney		Nephropathy	Minimal
* Liver		Hepatocellular Adenoma	Multiple
		Infiltration Cellular	Mixed Cell, Minimal
	Hepatocyte	Vacuolization Cytoplasmic	Focal, Mild
	Hepatocyte, Midzonal	Vacuolization Cytoplasmic	Mild
	[ Hepatocellular Adenoma TGLS = 1-23, 2-21, 3-22 ]		
	[ Vacuolization Cytoplasmic TGLS = 1-23 ]		
* Lung		Infiltration Cellular	Mixed Cell, Minimal
	[ Infiltration Cellular TGLS = 4-2 ]		
* Nose	Olfactory Epi	Cytoplasmic Alteration	Minimal
	Respirat Epith	Cytoplasmic Alteration	Moderate

**PRIMARY CAUSE OF DEATH**

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 93023-07  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** 2,4-Hexadienal  
**CAS Number:** 142-83-6

**Date Report Requested:** 10/20/2014  
**Time Report Requested:** 13:41:49  
**First Dose M/F:** NA / NA  
**Lab:** SRI

**ANIMAL ID:** 134

**TRT#:** 5

**SEX:** Male

**DAY ON TEST:** 730

**DOSE:** 60 MG/KG/DY

**DISP:** Terminal Sacrifice

**HISTO:** 99-87466

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

* Adrenal Cortex	* Adrenal Medulla	* Bone	* 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	* 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**

* Bone Marrow	Myeloid Cell	Hyperplasia	Moderate
* Kidney		Nephropathy	Minimal
* Liver		Hemangiosarcoma	Multiple
		Hepatocellular Adenoma	Multiple
		Infiltration Cellular	Mixed Cell, Mild
			[ Hemangiosarcoma TGLS = 4-22, 5-23 ]
			[ Hepatocellular Adenoma TGLS = 3-21, 4-22 ]
* Nose	Olfactory Epi	Cytoplasmic Alteration	Minimal
	Respirat Epith	Cytoplasmic Alteration	Mild
		Inflammation	Suppurative, Mild
* Spleen		Hematopoietic Cell Proliferation	Moderate
			[ Hematopoietic Cell Proliferation TGLS = 1-6 ]
Tooth	Peridont Tiss	Inflammation	Chronic, Mild
		Malformation	Moderate

**PRIMARY CAUSE OF DEATH**

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\* PROTOCOL REQUIRED TISSUE



**Experiment Number:** 93023-07  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** 2,4-Hexadienal  
**CAS Number:** 142-83-6

**Date Report Requested:** 10/20/2014  
**Time Report Requested:** 13:41:49  
**First Dose M/F:** NA / NA  
**Lab:** SRI

**ANIMAL ID:** 135

**TRT#:** 5

**SEX:** Male

**DAY ON TEST:** 587

**DOSE:** 60 MG/KG/DY

**DISP:** Moribund Sacrifice

**HISTO:** 99-85911

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

* Adrenal Cortex	* 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, Mesenteric	* Pancreas	* 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**

* Kidney		Nephropathy	Minimal
* Liver		Cholangiocarcinoma	
		Hepatocellular Adenoma	
	[ Cholangiocarcinoma TGLS = 3-22 ]		
	[ Hepatocellular Adenoma TGLS = 4-23 ]		
* Lymph Node, Mandibular		Hyperplasia	Lymphoid, Moderate
	[ Hyperplasia TGLS = 2-8 ]		
Mesentery	Fat	Necrosis	Moderate
	[ Necrosis TGLS = 1-21 ]		
* Nose	Olfactory Epi	Cytoplasmic Alteration	Minimal
	Respirat Epith	Cytoplasmic Alteration	Moderate
		Inflammation	Suppurative, Mild
* Stomach, Forestomach	Epithelium	Hyperplasia	Squamous, Minimal
		Ulcer	Mild

**PRIMARY CAUSE OF DEATH**

- Liver Cholangiocarcinoma

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 93023-07  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** 2,4-Hexadienal  
**CAS Number:** 142-83-6

**Date Report Requested:** 10/20/2014  
**Time Report Requested:** 13:41:49  
**First Dose M/F:** NA / NA  
**Lab:** SRI

**ANIMAL ID:** 136

**TRT#:** 5

**SEX:** Male

**DAY ON TEST:** 729

**DOSE:** 60 MG/KG/DY

**DISP:** Terminal Sacrifice

**HISTO:** 99-87467

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

* Adrenal Cortex	* 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	* 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**

* Kidney		Nephropathy	Mild
* Liver		Hepatocellular Adenoma	Multiple
		Infiltration Cellular	Mixed Cell, Minimal
	Hepatocyte	Mixed Cell Focus	Minimal
	Hepatocyte	Vacuolization Cytoplasmic	Focal, Mild
[ Hepatocellular Adenoma TGLS = 3-6, 4-23 ]			
Mesentery	Fat	Necrosis	Moderate
[ Necrosis TGLS = 1-21, 2-22 ]			
* Nose	Respirat Epith	Cytoplasmic Alteration	Minimal
Tooth	Peridont Tiss	Inflammation	Chronic, Moderate

**PRIMARY CAUSE OF DEATH**

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 93023-07  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** 2,4-Hexadienal  
**CAS Number:** 142-83-6

**Date Report Requested:** 10/20/2014  
**Time Report Requested:** 13:41:49  
**First Dose M/F:** NA / NA  
**Lab:** SRI

**ANIMAL ID:** 137

**TRT#:** 5

**SEX:** Male

**DAY ON TEST:** 732

**DOSE:** 60 MG/KG/DY

**DISP:** Terminal Sacrifice

**HISTO:** 99-87468

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

* Adrenal Medulla	* Bone	* Bone Marrow	* Brain
* Epididymis	* Esophagus	* 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
* Spleen	* Stomach, Glandular	* Testes	* Thymus
* Trachea	* Urinary Bladder		

**MISSING**

* Gallbladder	* Mammary Gland
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**OBSERVATIONS**

* Adrenal Cortex	Subcapsular	Hyperplasia	Focal, Moderate
* Kidney		Cyst	Mild
		Nephropathy	Mild
* Liver		Hepatocellular Carcinoma	
	Hepatocyte	Vacuolization Cytoplasmic	Focal, Mild
	Hepatocyte, Periportal	Vacuolization Cytoplasmic	Mild
	[ Hepatocellular Carcinoma TGLS = 3-6, 3-22 ]		
	[ Vacuolization Cytoplasmic TGLS = 2-6 ]		
	[ Vacuolization Cytoplasmic TGLS = 2-6 ]		
* Lung	Alveolar Epith	Hyperplasia	Mild
Mesentery	Fat	Necrosis	Moderate
	[ Necrosis TGLS = 1-21 ]		
* Nose	Respirat Epith	Cytoplasmic Alteration	Mild
	Respirat Epith	Metaplasia	Squamous, Mild
* Stomach, Forestomach		Squamous Cell Papilloma	
	[ Squamous Cell Papilloma TGLS = 4-23 ]		
* Thyroid Gland		Degeneration	Cystic, Focal, Minimal
Tooth		Malformation	Moderate

PRIMARY CAUSE OF DEATH -

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 93023-07  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** 2,4-Hexadienal  
**CAS Number:** 142-83-6

**Date Report Requested:** 10/20/2014  
**Time Report Requested:** 13:41:49  
**First Dose M/F:** NA / NA  
**Lab:** SRI

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**ANIMAL ID:** 137

**TRT#:** 5

**SEX:** Male

**DAY ON TEST:** 732

**DOSE:** 60 MG/KG/DY

**DISP:** Terminal Sacrifice

**HISTO:** 99-87468

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 93023-07  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** 2,4-Hexadienal  
**CAS Number:** 142-83-6

**Date Report Requested:** 10/20/2014  
**Time Report Requested:** 13:41:49  
**First Dose M/F:** NA / NA  
**Lab:** SRI

**ANIMAL ID:** 138

**TRT#:** 5

**SEX:** Male

**DAY ON TEST:** 729

**DOSE:** 60 MG/KG/DY

**DISP:** Terminal Sacrifice

**HISTO:** 99-87469

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

* Adrenal Cortex	* 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, 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**

* Kidney		Nephropathy	Minimal
* Liver		Hepatocellular Adenoma	Multiple
	Hepatocyte	Mixed Cell Focus	
	Hepatocyte, Midzonal	Vacuolization Cytoplasmic	Moderate
	[ Hepatocellular Adenoma TGLS = 3-22, 5-24 ]		
	[ Mixed Cell Focus TGLS = 2-6 ]		
* Lung		Alveolar/Bronchiolar Carcinoma	
		Hyperplasia	Histiocytic, Mild
	[ Alveolar/Bronchiolar Carcinoma TGLS = 4-23 ]		
Mesentery	Fat	Necrosis	Moderate
	[ Necrosis TGLS = 1-21 ]		
* Nose	Respirat Epith	Cytoplasmic Alteration	Minimal
* Spleen		Hemangiosarcoma	
* Thymus		Cyst	Minimal
Tooth	Peridont Tiss	Inflammation	Chronic, Mild

**PRIMARY CAUSE OF DEATH**

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 93023-07  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** 2,4-Hexadienal  
**CAS Number:** 142-83-6

**Date Report Requested:** 10/20/2014  
**Time Report Requested:** 13:41:49  
**First Dose M/F:** NA / NA  
**Lab:** SRI

**ANIMAL ID:** 139

**TRT#:** 5

**SEX:** Male

**DAY ON TEST:** 729

**DOSE:** 60 MG/KG/DY

**DISP:** Terminal Sacrifice

**HISTO:** 99-87470

**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, 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		Cytoplasmic Alteration	Focal, Minimal
* Kidney		Nephropathy	Mild
* Liver		Hepatocellular Adenoma	Multiple
		Infiltration Cellular	Mixed Cell, Minimal
	Hepatocyte	Mixed Cell Focus	Minimal
	Hepatocyte	Vacuolization Cytoplasmic	Focal, Mild
	Hepatocyte, Midzonal	Vacuolization Cytoplasmic	Moderate
	[ Hepatocellular Adenoma TGLS = 2-22, 4-23 ]		
	[ Mixed Cell Focus TGLS = 3-25 ]		
	[ Vacuolization Cytoplasmic TGLS = 3-25 ]		
* Lung		Alveolar/Bronchiolar Adenoma	
	[ Alveolar/Bronchiolar Adenoma TGLS = 5-24 ]		
Mesentery	Fat	Necrosis	Moderate
	[ Necrosis TGLS = 1-21 ]		
* Nose	Olfactory Epi	Cytoplasmic Alteration	Minimal
	Respirat Epith	Cytoplasmic Alteration	Mild
* Thymus		Cyst	Multiple, Mild
Tooth		Malformation	Mild

PRIMARY CAUSE OF DEATH

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 93023-07  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** 2,4-Hexadienal  
**CAS Number:** 142-83-6

**Date Report Requested:** 10/20/2014  
**Time Report Requested:** 13:41:49  
**First Dose M/F:** NA / NA  
**Lab:** SRI

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**ANIMAL ID:** 139

**TRT#:** 5

**SEX:** Male

**DAY ON TEST:** 729

**DOSE:** 60 MG/KG/DY

**DISP:** Terminal Sacrifice

**HISTO:** 99-87470

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 93023-07  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** 2,4-Hexadienal  
**CAS Number:** 142-83-6

**Date Report Requested:** 10/20/2014  
**Time Report Requested:** 13:41:49  
**First Dose M/F:** NA / NA  
**Lab:** SRI

**ANIMAL ID:** 140

**TRT#:** 5

**SEX:** Male

**DAY ON TEST:** 729

**DOSE:** 60 MG/KG/DY

**DISP:** Terminal Sacrifice

**HISTO:** 99-87471

**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	* 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	Adenoma	
		Hypertrophy	Focal, Mild
* Kidney		Nephropathy	Mild
* Liver		Hepatocellular Adenoma	Multiple
	Hepatocyte	Mixed Cell Focus	Minimal
	[ Hepatocellular Adenoma TGLS = 2-22, 3-23, 4-24 ]		
	[ Mixed Cell Focus TGLS = 5-25 ]		
Mesentery	Fat	Necrosis	Mild
	[ Necrosis TGLS = 1-21 ]		
* Nose	Olfactory Epi	Cytoplasmic Alteration	Minimal
	Respirat Epith	Cytoplasmic Alteration	Mild
Tooth	Peridont Tiss	Inflammation	Chronic, Moderate
		Malformation	Moderate

PRIMARY CAUSE OF DEATH

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\* PROTOCOL REQUIRED TISSUE



**Experiment Number:** 93023-07  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** 2,4-Hexadienal  
**CAS Number:** 142-83-6

**Date Report Requested:** 10/20/2014  
**Time Report Requested:** 13:41:49  
**First Dose M/F:** NA / NA  
**Lab:** SRI

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<b>ANIMAL ID:</b> 141	<b>TRT#:</b> 5	<b>SEX:</b> Male	<b>DAY ON TEST:</b> 730
	<b>DOSE:</b> 60 MG/KG/DY	<b>DISP:</b> Terminal Sacrifice	<b>HISTO:</b> 99-87472

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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**NORMAL**

* Adrenal Cortex	* 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	* Pancreas	* Parathyroid Gland
* Pituitary Gland	* Preputial Gland	* Prostate	* Salivary Glands
* Seminal Vesicle	* Skin	* Stomach, Glandular	* Testes
* Thymus	* Trachea	* Urinary Bladder	

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**MISSING**

\* Mammary Gland

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**OBSERVATIONS**

* Adrenal Medulla		Hyperplasia	Minimal
* Kidney		Nephropathy	Minimal
* Liver	Hepatocyte, Midzonal	Vacuolization Cytoplasmic	Mild
Mesentery	Fat	Necrosis	Mild
[ Necrosis TGLS = 1-21, 2-22 ]			
* Nose	Respirat Epith	Cytoplasmic Alteration	Minimal
* Spleen		Hematopoietic Cell Proliferation	Mild
* Stomach, Forestomach	Epithelium	Hyperplasia	Squamous, Minimal
* Thyroid Gland		Degeneration	Cystic, Focal, Minimal

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PRIMARY CAUSE OF DEATH

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 93023-07  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** 2,4-Hexadienal  
**CAS Number:** 142-83-6

**Date Report Requested:** 10/20/2014  
**Time Report Requested:** 13:41:49  
**First Dose M/F:** NA / NA  
**Lab:** SRI

**ANIMAL ID:** 142

**TRT#:** 5

**SEX:** Male

**DAY ON TEST:** 729

**DOSE:** 60 MG/KG/DY

**DISP:** Terminal Sacrifice

**HISTO:** 99-87473

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

* Adrenal Cortex	* 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, Mandibular	* Lymph Node, Mesenteric	* 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**

* Kidney		Atrophy Hyperplasia Nephropathy	Focal, Moderate Lymphoid, Mild Mild
* Liver		Hepatocellular Carcinoma Infiltration Cellular	Mixed Cell, Minimal
[ Hepatocellular Carcinoma TGLS = 3-21 ]			
* Lung		Alveolar/Bronchiolar Carcinoma Hepatocellular Carcinoma Hyperplasia	Metastatic (Liver) Histiocytic, Mild
[ Alveolar/Bronchiolar Carcinoma TGLS = 2-23 ]			
Mesentery	Fat	Necrosis	Moderate
[ Necrosis TGLS = 4-22 ]			
* Nose	Olfactory Epi Respirat Epith	Cytoplasmic Alteration Cytoplasmic Alteration Inflammation	Minimal Minimal Suppurative, Mild
* Spleen		Hematopoietic Cell Proliferation	Moderate
[ Hematopoietic Cell Proliferation TGLS = 5-6 ]			
* Stomach, Forestomach	Epithelium	Hyperplasia Inflammation	Squamous, Mild Focal, Mild

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 93023-07  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** 2,4-Hexadienal  
**CAS Number:** 142-83-6

**Date Report Requested:** 10/20/2014  
**Time Report Requested:** 13:41:49  
**First Dose M/F:** NA / NA  
**Lab:** SRI

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**ANIMAL ID:** 142

**TRT#:** 5

**SEX:** Male

**DAY ON TEST:** 729

**DOSE:** 60 MG/KG/DY

**DISP:** Terminal Sacrifice

**HISTO:** 99-87473

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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Tooth

Ulcer  
Malformation

Mild  
Moderate

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PRIMARY CAUSE OF DEATH

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 93023-07  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** 2,4-Hexadienal  
**CAS Number:** 142-83-6

**Date Report Requested:** 10/20/2014  
**Time Report Requested:** 13:41:49  
**First Dose M/F:** NA / NA  
**Lab:** SRI

**ANIMAL ID:** 143

**TRT#:** 5

**SEX:** Male

**DAY ON TEST:** 731

**DOSE:** 60 MG/KG/DY

**DISP:** Terminal Sacrifice

**HISTO:** 99-87474

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

* Adrenal Cortex	* 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, Mandibular	* Pancreas	* Parathyroid Gland	* Pituitary Gland
* Prostate	* Salivary Glands	* Seminal Vesicle	* Skin
* Spleen	* Stomach, Forestomach	* Stomach, Glandular	* Testes
* Thymus	* Thyroid Gland	* Trachea	* Urinary Bladder

**MISSING**

\* Mammary Gland

**OBSERVATIONS**

* Kidney		Nephropathy	Minimal
* Liver		Hepatocellular Adenoma	Multiple
		Infiltration Cellular	Mixed Cell, Minimal
	Hepatocyte	Vacuolization Cytoplasmic	Focal, Mild
	Hepatocyte, Midzonal	Vacuolization Cytoplasmic	Mild
	[ Hepatocellular Adenoma TGLS = 2-21, 3-22 ]		
* Lung		Alveolar/Bronchiolar Adenoma	
* Lymph Node, Mesenteric		Hemorrhage	Mild
* Nose	Olfactory Epi	Cytoplasmic Alteration	Minimal
	Respirat Epith	Cytoplasmic Alteration	Mild
* Preputial Gland		Degeneration	Cystic, Moderate
	[ Degeneration TGLS = 1-8 ]		
Tooth		Malformation	Mild

**PRIMARY CAUSE OF DEATH**

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 93023-07  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** 2,4-Hexadienal  
**CAS Number:** 142-83-6

**Date Report Requested:** 10/20/2014  
**Time Report Requested:** 13:41:49  
**First Dose M/F:** NA / NA  
**Lab:** SRI

**ANIMAL ID:** 144

**TRT#:** 5

**SEX:** Male

**DAY ON TEST:** 732

**DOSE:** 60 MG/KG/DY

**DISP:** Terminal Sacrifice

**HISTO:** 99-87475

**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
* 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**

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

* Adrenal Cortex	Subcapsular	Hyperplasia	Focal, Moderate
* Kidney		Nephropathy	Mild
* Liver		Erythrophagocytosis	Mild
		Hyperplasia	Histiocytic, Focal, Moderate
		Hyperplasia	Lymphoid, Focal, Moderate
		Infiltration Cellular	Mixed Cell, Moderate
		Pigmentation	Focal, Moderate
[ Hyperplasia TGLS = 4-6 ]			
[ Hyperplasia TGLS = 4-6 ]			
* Lymph Node, Mesenteric		Histiocytic Sarcoma	
[ Histiocytic Sarcoma TGLS = 5-5 ]			
Mesentery	Fat	Necrosis	Mild
[ Necrosis TGLS = 2-21 ]			
* Nose	Olfactory Epi	Cytoplasmic Alteration	Minimal
	Respirat Epith	Cytoplasmic Alteration	Minimal
		Inflammation	Suppurative, Minimal
* Spleen		Hematopoietic Cell Proliferation	Moderate
[ Hematopoietic Cell Proliferation TGLS = 1-6 ]			

PRIMARY CAUSE OF DEATH

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 93023-07  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** 2,4-Hexadienal  
**CAS Number:** 142-83-6

**Date Report Requested:** 10/20/2014  
**Time Report Requested:** 13:41:49  
**First Dose M/F:** NA / NA  
**Lab:** SRI

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**ANIMAL ID:** 144

**TRT#:** 5

**SEX:** Male

**DAY ON TEST:** 732

**DOSE:** 60 MG/KG/DY

**DISP:** Terminal Sacrifice

**HISTO:** 99-87475

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 93023-07  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** 2,4-Hexadienal  
**CAS Number:** 142-83-6

**Date Report Requested:** 10/20/2014  
**Time Report Requested:** 13:41:49  
**First Dose M/F:** NA / NA  
**Lab:** SRI

**ANIMAL ID:** 145

**TRT#:** 5

**SEX:** Male

**DAY ON TEST:** 649

**DOSE:** 60 MG/KG/DY

**DISP:** Moribund Sacrifice

**HISTO:** 99-86347

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

* Adrenal Cortex	* 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	* Pancreas	* Parathyroid Gland
* Pituitary Gland	* Preputial Gland	* Prostate	* Salivary Glands
* Seminal Vesicle	* Skin	* Stomach, Forestomach	* Stomach, Glandular
* Testes	* Thymus	* Trachea	* Urinary Bladder

**MISSING**

* Lymph Node, Mesenteric	* Mammary Gland
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**OBSERVATIONS**

* Kidney		Nephropathy	Mild
* Liver		Hepatocellular Carcinoma	
	Hepatocyte, Midzonal	Vacuolization Cytoplasmic	Mild
	[ Hepatocellular Carcinoma TGLS = 1-21 ]		
	[ Vacuolization Cytoplasmic TGLS = 2-22, 3-23 ]		
* Nose	Respirat Epith	Cytoplasmic Alteration	Moderate
* Spleen		Hematopoietic Cell Proliferation	Mild
* Thyroid Gland	Follicular Cel	Adenoma	
Tooth	Peridont Tiss	Inflammation	Chronic, Moderate

**PRIMARY CAUSE OF DEATH** - Liver Hepatocellular Carcinoma

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 93023-07  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** 2,4-Hexadienal  
**CAS Number:** 142-83-6

**Date Report Requested:** 10/20/2014  
**Time Report Requested:** 13:41:49  
**First Dose M/F:** NA / NA  
**Lab:** SRI

**ANIMAL ID:** 146

**TRT#:** 5

**SEX:** Male

**DAY ON TEST:** 729

**DOSE:** 60 MG/KG/DY

**DISP:** Terminal Sacrifice

**HISTO:** 99-87476

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

* Adrenal Cortex	* 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	* Pancreas
* Parathyroid Gland	* Pituitary Gland	* Preputial Gland	* Prostate
* Salivary Glands	* Skin	* Stomach, Glandular	* Testes
* Thymus	* Thyroid Gland	* Trachea	* Urinary Bladder

**MISSING**

\* Mammary Gland

**OBSERVATIONS**

* Kidney		Nephropathy	Minimal
* Liver		Hepatocellular Adenoma	
		Infiltration Cellular	Mixed Cell, Minimal
	Hepatocyte	Vacuolization Cytoplasmic	Focal, Mild
	Hepatocyte, Midzonal	Vacuolization Cytoplasmic	Moderate
	[ Hepatocellular Adenoma TGLS = 1-21 ]		
	[ Vacuolization Cytoplasmic TGLS = 3-22 ]		
* Nose	Respirat Epith	Cytoplasmic Alteration	Mild
* Seminal Vesicle		Inflammation	Chronic, Moderate
	[ Inflammation TGLS = 2-7 ]		
* Spleen		Hematopoietic Cell Proliferation	Mild
* Stomach, Forestomach	Epithelium	Hyperplasia	Squamous, Minimal

**PRIMARY CAUSE OF DEATH**

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\* PROTOCOL REQUIRED TISSUE



**Experiment Number:** 93023-07  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** 2,4-Hexadienal  
**CAS Number:** 142-83-6

**Date Report Requested:** 10/20/2014  
**Time Report Requested:** 13:41:49  
**First Dose M/F:** NA / NA  
**Lab:** SRI

**ANIMAL ID:** 147

**TRT#:** 5

**SEX:** Male

**DAY ON TEST:** 729

**DOSE:** 60 MG/KG/DY

**DISP:** Terminal Sacrifice

**HISTO:** 99-87477

**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	* 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		Cytoplasmic Alteration	Focal, Minimal
* Kidney		Nephropathy	Mild
* Liver		Hepatocellular Adenoma	Multiple
		Infiltration Cellular	Mixed Cell, Minimal
	Hepatocyte	Mixed Cell Focus	Minimal
	Hepatocyte, Midzonal	Vacuolization Cytoplasmic	Mild
	[ Hepatocellular Adenoma TGLS = 2-6, 3-21 ]		
	[ Mixed Cell Focus TGLS = 2-6 ]		
* Nose	Olfactory Epi	Cytoplasmic Alteration	Minimal
	Respirat Epith	Cytoplasmic Alteration	Mild
* Testes	Interstit Cell	Adenoma	
	[ Adenoma TGLS = 1-7 ]		
* Thymus		Cyst	Minimal

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 93023-07  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** 2,4-Hexadienal  
**CAS Number:** 142-83-6

**Date Report Requested:** 10/20/2014  
**Time Report Requested:** 13:41:49  
**First Dose M/F:** NA / NA  
**Lab:** SRI

**ANIMAL ID:** 148

**TRT#:** 5

**SEX:** Male

**DAY ON TEST:** 730

**DOSE:** 60 MG/KG/DY

**DISP:** Terminal Sacrifice

**HISTO:** 99-87478

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

* Adrenal Cortex	* 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, 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	* Nose	* Thymus
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**OBSERVATIONS**

* Kidney	Renal Tubule	Hyperplasia Nephropathy	Focal, Mild Mild
* Liver	Hepatocyte, Midzonal	Hepatocellular Adenoma Infiltration Cellular Vacuolization Cytoplasmic	Mixed Cell, Mild Moderate
	[ Hepatocellular Adenoma TGLS = 3-22 ]		
* Lung		Alveolar/Bronchiolar Adenoma	Multiple
	[ Alveolar/Bronchiolar Adenoma TGLS = 1-21, 2-2 ]		

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 93023-07

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: 2,4-Hexadienal

CAS Number: 142-83-6

Date Report Requested: 10/20/2014

Time Report Requested: 13:41:49

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 149

TRT#: 5

SEX: Male

DAY ON TEST: 730

DOSE: 60 MG/KG/DY

DISP: Terminal Sacrifice

HISTO: 99-87479

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
* Lymph Node, Mesenteric	* Pancreas	* 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	Focal, Minimal
* Islets, Pancreatic		Hyperplasia	Mild
* Kidney		Nephropathy	Mild
* Liver		Hepatocellular Adenoma	
	Hepatocyte	Infiltration Cellular	Mixed Cell, Mild
		Vacuolization Cytoplasmic	Focal, Mild
		[ Hepatocellular Adenoma TGLS = 2-22 ]	
		[ Vacuolization Cytoplasmic TGLS = 3-6 ]	
Mesentery	Fat	Necrosis	Moderate
		[ Necrosis TGLS = 1-21 ]	
* Nose	Respirat Epith	Cytoplasmic Alteration	Minimal
		Inflammation	Suppurative, Minimal
* Stomach, Forestomach		Squamous Cell Papilloma	
		[ Squamous Cell Papilloma TGLS = 4-23 ]	

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 93023-07  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** 2,4-Hexadienal  
**CAS Number:** 142-83-6

**Date Report Requested:** 10/20/2014  
**Time Report Requested:** 13:41:49  
**First Dose M/F:** NA / NA  
**Lab:** SRI

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<b>ANIMAL ID:</b> 150	<b>TRT#:</b> 5	<b>SEX:</b> Male	<b>DAY ON TEST:</b> 732
	<b>DOSE:</b> 60 MG/KG/DY	<b>DISP:</b> Terminal Sacrifice	<b>HISTO:</b> 99-87480

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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**NORMAL**

* Adrenal Medulla	* Bone	* Bone Marrow	* Brain
* Epididymis	* Esophagus	* Heart	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Lymph Node, Mandibular	* 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	

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**MISSING**

* Gallbladder	* Lymph Node, Mesenteric	* Mammary Gland
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**OBSERVATIONS**

* Adrenal Cortex	Subcapsular	Hyperplasia	Focal, Minimal
* Kidney		Nephropathy	Mild
* Liver		Hepatocellular Adenoma	Multiple
		Infiltration Cellular	Mixed Cell, Minimal
	[ Hepatocellular Adenoma TGLS = 2-22, 3-23 ]		
* Lung		Alveolar/Bronchiolar Carcinoma	
	Alveolar Epith	Hyperplasia	Mild
	[ Alveolar/Bronchiolar Carcinoma TGLS = 4-2 ]		
Mesentery	Fat	Necrosis	Moderate
	[ Necrosis TGLS = 1-21 ]		
* Nose	Olfactory Epi	Cytoplasmic Alteration	Minimal
	Respirat Epith	Cytoplasmic Alteration	Mild
		Inflammation	Suppurative, Mild

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**PRIMARY CAUSE OF DEATH** -

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 93023-07  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** 2,4-Hexadienal  
**CAS Number:** 142-83-6

**Date Report Requested:** 10/20/2014  
**Time Report Requested:** 13:41:49  
**First Dose M/F:** NA / NA  
**Lab:** SRI

**ANIMAL ID:** 151

**TRT#:** 7

**SEX:** Male

**DAY ON TEST:** 595

**DOSE:** 120 MG/KG/DY

**DISP:** Moribund Sacrifice

**HISTO:** 99-86168

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

* Adrenal Cortex	* 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, Mandibular	* 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

**INSUFFICIENT TISSUE**

\* Thymus

**OBSERVATIONS**

* Kidney		Nephropathy	Moderate
* Liver		Hepatocellular Carcinoma	
	[ Hepatocellular Carcinoma TGLS = 3-21 ]		
* Lung		Hepatocellular Carcinoma	Metastatic (Liver)
* Nose	Respirat Epith	Cytoplasmic Alteration	Moderate
* Spleen		Hematopoietic Cell Proliferation	Moderate
	[ Hematopoietic Cell Proliferation TGLS = 1-6 ]		
* Stomach, Forestomach	Epithelium	Hyperplasia	Squamous, Moderate
		Inflammation	Focal, Moderate
		Ulcer	Mild
	[ Hyperplasia TGLS = 4-4 ]		

**PRIMARY CAUSE OF DEATH**

- Liver Hepatocellular Carcinoma

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 93023-07  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** 2,4-Hexadienal  
**CAS Number:** 142-83-6

**Date Report Requested:** 10/20/2014  
**Time Report Requested:** 13:41:49  
**First Dose M/F:** NA / NA  
**Lab:** SRI

**ANIMAL ID:** 152

**TRT#:** 7

**SEX:** Male

**DAY ON TEST:** 731

**DOSE:** 120 MG/KG/DY

**DISP:** Terminal Sacrifice

**HISTO:** 99-87134

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

* Adrenal Cortex	* 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, Mandibular	* Lymph Node, Mesenteric	* Pancreas	* Parathyroid Gland
* Pituitary Gland	* Prostate	* Salivary Glands	* Seminal Vesicle
* Skin	* Stomach, Glandular	* Testes	* Thymus
* Thyroid Gland	* Trachea	* Urinary Bladder	

**MISSING**

\* Mammary Gland

**OBSERVATIONS**

* Kidney		Nephropathy	Mild
* Liver		Hepatocellular Adenoma	Multiple
		Hepatocellular Carcinoma	
		Infiltration Cellular	Mixed Cell, Minimal
	Hepatocyte, Midzonal	Vacuolization Cytoplasmic	Mild
	[ Hepatocellular Carcinoma TGLS = 3-21 ]		
* Lung		Hepatocellular Carcinoma	Metastatic (Liver)
	Note: Two very small lesions of metastatic hepatocellular carcinoma are visible in the lung.		
Mesentery	Fat	Necrosis	Moderate
	[ Necrosis TGLS = 4-22 ]		
* Nose	Respirat Epith	Cytoplasmic Alteration	Minimal
		Inflammation	Suppurative, Mild
		Degeneration	Cystic, Moderate
* Preputial Gland			
	[ Degeneration TGLS = 1-8 ]		
* Spleen		Hematopoietic Cell Proliferation	Moderate
	[ Hematopoietic Cell Proliferation TGLS = 2-6 ]		
* Stomach, Forestomach	Epithelium	Hyperplasia	Squamous, Moderate
	[ Hyperplasia TGLS = 6-23 ]		
Tooth	Peridont Tiss	Inflammation	Chronic, Moderate

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 93023-07  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** 2,4-Hexadienal  
**CAS Number:** 142-83-6

**Date Report Requested:** 10/20/2014  
**Time Report Requested:** 13:41:49  
**First Dose M/F:** NA / NA  
**Lab:** SRI

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**ANIMAL ID:** 152

**TRT#:** 7

**SEX:** Male

**DAY ON TEST:** 731

**DOSE:** 120 MG/KG/DY

**DISP:** Terminal Sacrifice

**HISTO:** 99-87134

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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Malformation

Moderate

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PRIMARY CAUSE OF DEATH

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 93023-07  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** 2,4-Hexadienal  
**CAS Number:** 142-83-6

**Date Report Requested:** 10/20/2014  
**Time Report Requested:** 13:41:49  
**First Dose M/F:** NA / NA  
**Lab:** SRI

**ANIMAL ID:** 153

**TRT#:** 7

**SEX:** Male

**DAY ON TEST:** 713

**DOSE:** 120 MG/KG/DY

**DISP:** Moribund Sacrifice

**HISTO:** 99-86707

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

* Adrenal Cortex	* 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, Mandibular	* Lymph Node, Mesenteric	* Nose	* Pancreas
* 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**

* Kidney		Nephropathy	Minimal
* Liver		Hemangiosarcoma	
		Hepatocellular Carcinoma	
	[ Hepatocellular Carcinoma TGLS = 3-23 ]		
* Lung		Alveolar/Bronchiolar Adenoma	
Mesentery	Fat	Necrosis	Moderate
	[ Necrosis TGLS = 2-22 ]		
Skeletal Muscle		Hemangiosarcoma	
	[ Hemangiosarcoma TGLS = 1-21 ]		
* Stomach, Forestomach	Epithelium	Hyperplasia	Squamous, Mild
		Ulcer	Mild
	[ Ulcer TGLS = 6-26 ]		
Tongue		Squamous Cell Carcinoma	
	[ Squamous Cell Carcinoma TGLS = 5-25 ]		

**PRIMARY CAUSE OF DEATH**

- Skeletal Muscle Hemangiosarcoma

\* PROTOCOL REQUIRED TISSUE



**Experiment Number:** 93023-07  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** 2,4-Hexadienal  
**CAS Number:** 142-83-6

**Date Report Requested:** 10/20/2014  
**Time Report Requested:** 13:41:49  
**First Dose M/F:** NA / NA  
**Lab:** SRI

**ANIMAL ID:** 154

**TRT#:** 7

**SEX:** Male

**DAY ON TEST:** 732

**DOSE:** 120 MG/KG/DY

**DISP:** Terminal Sacrifice

**HISTO:** 99-87135

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

* Adrenal Cortex	* 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, Mandibular
* Lymph Node, Mesenteric	* Pancreas	* Prostate	* Salivary Glands
* Seminal Vesicle	* Skin	* Spleen	* Stomach, Glandular
* Testes	* Thymus	* Thyroid Gland	* Trachea
* Urinary Bladder			

**MISSING**

\* Mammary Gland

**OBSERVATIONS**

* Adrenal Medulla		Pheochromocytoma Benign	
* Kidney		Nephropathy	Mild
* Liver	Hepatocyte Hepatocyte, Periportal	Vacuolization Cytoplasmic Vacuolization Cytoplasmic	Focal, Minimal Mild
* Lung	[ Alveolar/Bronchiolar Adenoma TGLS = 2-2-1 ]	Alveolar/Bronchiolar Adenoma	
* Nose	Respirat Epith	Cytoplasmic Alteration	Minimal
* Parathyroid Gland		Cyst	Moderate
* Pituitary Gland	Pars Distalis	Cyst	Minimal
* Preputial Gland		Degeneration	Cystic, Moderate
	[ Degeneration TGLS = 1-8 ]		
* Stomach, Forestomach		Squamous Cell Papilloma	
	[ Squamous Cell Papilloma TGLS = 3-21 ]		

**PRIMARY CAUSE OF DEATH**

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 93023-07  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** 2,4-Hexadienal  
**CAS Number:** 142-83-6

**Date Report Requested:** 10/20/2014  
**Time Report Requested:** 13:41:49  
**First Dose M/F:** NA / NA  
**Lab:** SRI

**ANIMAL ID:** 155

**TRT#:** 7

**SEX:** Male

**DAY ON TEST:** 730

**DOSE:** 120 MG/KG/DY

**DISP:** Terminal Sacrifice

**HISTO:** 99-87136

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

* Adrenal Cortex	* 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
* Liver	* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Pancreas
* Parathyroid Gland	* Pituitary Gland	* Preputial Gland	* Prostate
* Salivary Glands	* Seminal Vesicle	* Skin	* Stomach, Glandular
* Testes	* Trachea	* Urinary Bladder	

**MISSING**

* Mammary Gland	* Thymus
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**OBSERVATIONS**

* Kidney		Nephropathy	Mild
* Lung		Alveolar/Bronchiolar Carcinoma	Multiple
		Hyperplasia	Histiocytic, Moderate
	[ Alveolar/Bronchiolar Carcinoma TGLS = 4-2, 4-2-1 ]		
Lymph Node	Mediastinal	Hyperplasia	Plasma Cell, Moderate
	[ Hyperplasia TGLS = 3-21 ]		
* Nose	Olfactory Epi	Cytoplasmic Alteration	Minimal
	Respirat Epith	Cytoplasmic Alteration	Mild
		Mineralization	Focal, Mild
* Spleen		Hematopoietic Cell Proliferation	Mild
* Stomach, Forestomach	Epithelium	Hyperplasia	Squamous, Mild
		Ulcer	Mild
	[ Hyperplasia TGLS = 1-4-1 ]		
	[ Ulcer TGLS = 1-4-1 ]		
* Thyroid Gland		Degeneration	Cystic, Focal, Moderate

**PRIMARY CAUSE OF DEATH**

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 93023-07  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** 2,4-Hexadienal  
**CAS Number:** 142-83-6

**Date Report Requested:** 10/20/2014  
**Time Report Requested:** 13:41:49  
**First Dose M/F:** NA / NA  
**Lab:** SRI

**ANIMAL ID:** 156

**TRT#:** 7

**SEX:** Male

**DAY ON TEST:** 558

**DOSE:** 120 MG/KG/DY

**DISP:** Natural Death

**HISTO:** 99-85912

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Brain	* Epididymis	* Esophagus	* Gallbladder
* Heart	* Intestine Large, Colon	* Intestine Large, Rectum	* 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	* Thymus	* Thyroid Gland
* Trachea	* Urinary Bladder		

**MISSING**

\* Mammary Gland

**AUTO PRECLUDES DIAG.**

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

* Kidney		Nephropathy	Minimal
* Liver		Congestion	Focal, Moderate
		Hemorrhage	Focal, Moderate
		Hepatocellular Carcinoma	
[ Congestion TGLS = 1-6 ]			
[ Hemorrhage TGLS = 1-6 ]			
[ Hepatocellular Carcinoma TGLS = 2-21 ]			
* Nose	Olfactory Epi	Cytoplasmic Alteration	Moderate
	Respirat Epith	Cytoplasmic Alteration	Moderate
	Glands, Mucosa	Dilatation	Focal, Minimal
* Spleen		Hematopoietic Cell Proliferation	Mild

**PRIMARY CAUSE OF DEATH**

- Liver Hepatocellular Carcinoma

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 93023-07  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** 2,4-Hexadienal  
**CAS Number:** 142-83-6

**Date Report Requested:** 10/20/2014  
**Time Report Requested:** 13:41:49  
**First Dose M/F:** NA / NA  
**Lab:** SRI

**ANIMAL ID:** 157

**TRT#:** 7

**SEX:** Male

**DAY ON TEST:** 730

**DOSE:** 120 MG/KG/DY

**DISP:** Terminal Sacrifice

**HISTO:** 99-87137

**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	* Lymph Node, Mesenteric	* Pancreas	* Parathyroid Gland
* Pituitary Gland	* Prostate	* Salivary Glands	* Seminal Vesicle
* Skin	* Stomach, Forestomach	* Stomach, Glandular	* Testes
* Thyroid Gland	* Trachea	* Urinary Bladder	

**OBSERVATIONS**

* Adrenal Cortex		Accessory Adrenal Cortical Nodule	Minimal
Eye	Cornea	Hyperplasia	Squamous, Focal, Moderate
	Cornea	Inflammation	Focal, Moderate
	Cornea	Necrosis	Focal, Mild
[ Hyperplasia TGLS = 6-22 ]			
[ Inflammation TGLS = 6-22 ]			
[ Necrosis TGLS = 6-22 ]			
Harderian Gland		Adenoma	
[ Adenoma TGLS = 7-23 ]			
* Kidney		Cyst	Mild
		Nephropathy	Minimal
* Liver		Hepatocellular Adenoma	Multiple
		Infiltration Cellular	Mixed Cell, Minimal
[ Hepatocellular Adenoma TGLS = 5-21 ]			
* Lymph Node, Mandibular		Hyperplasia	Plasma Cell, Moderate
[ Hyperplasia TGLS = 1-8 ]			
* Nose	Respirat Epith	Cytoplasmic Alteration	Mild
	Glands, Mucosa	Dilatation	Focal, Mild
		Inflammation	Suppurative, Mild
* Preputial Gland		Degeneration	Cystic, Moderate
[ Degeneration TGLS = 2-8 ]			

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 93023-07  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** 2,4-Hexadienal  
**CAS Number:** 142-83-6

**Date Report Requested:** 10/20/2014  
**Time Report Requested:** 13:41:49  
**First Dose M/F:** NA / NA  
**Lab:** SRI

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<b>ANIMAL ID:</b> 157	<b>TRT#:</b> 7	<b>SEX:</b> Male	<b>DAY ON TEST:</b> 730
	<b>DOSE:</b> 120 MG/KG/DY	<b>DISP:</b> Terminal Sacrifice	<b>HISTO:</b> 99-87137

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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* Spleen [ Hematopoietic Cell Proliferation TGLS = 4-6 ]	Hematopoietic Cell Proliferation	Moderate
* Thymus	Cyst	Mild

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PRIMARY CAUSE OF DEATH

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 93023-07  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** 2,4-Hexadienal  
**CAS Number:** 142-83-6

**Date Report Requested:** 10/20/2014  
**Time Report Requested:** 13:41:49  
**First Dose M/F:** NA / NA  
**Lab:** SRI

**ANIMAL ID:** 158

**TRT#:** 7

**SEX:** Male

**DAY ON TEST:** 731

**DOSE:** 120 MG/KG/DY

**DISP:** Terminal Sacrifice

**HISTO:** 99-87138

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

* Adrenal Cortex	* 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	* Thymus
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**OBSERVATIONS**

* Kidney		Nephropathy	Moderate
* Liver	Hepatocyte	Eosinophilic Focus Hepatocellular Carcinoma	Mild
	[ Hepatocellular Carcinoma TGLS = 3-21 ]		
* Preputial Gland		Degeneration	Cystic, Moderate
	[ Degeneration TGLS = 2-8 ]		
* Spleen		Hematopoietic Cell Proliferation	Moderate
Tongue		Squamous Cell Carcinoma	
	[ Squamous Cell Carcinoma TGLS = 4-22 ]		
Tooth	Peridont Tiss	Inflammation	Chronic, Moderate

**PRIMARY CAUSE OF DEATH**

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 93023-07  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** 2,4-Hexadienal  
**CAS Number:** 142-83-6

**Date Report Requested:** 10/20/2014  
**Time Report Requested:** 13:41:49  
**First Dose M/F:** NA / NA  
**Lab:** SRI

**ANIMAL ID:** 159

**TRT#:** 7

**SEX:** Male

**DAY ON TEST:** 731

**DOSE:** 120 MG/KG/DY

**DISP:** Terminal Sacrifice

**HISTO:** 99-87139

**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, 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

**INSUFFICIENT TISSUE**

\* Thymus

**OBSERVATIONS**

* Adrenal Cortex	Subcapsular	Hyperplasia	Focal, Minimal
* Kidney		Nephropathy	Mild
* Liver		Hepatocellular Adenoma	
		Infiltration Cellular	Mixed Cell, Minimal
		Mixed Cell Focus	
	Hepatocyte, Midzonal	Vacuolization Cytoplasmic	Mild
	[ Hepatocellular Adenoma TGLS = 1-6, 4-21 ]		
	[ Vacuolization Cytoplasmic TGLS = 1-6 ]		
* Lung		Alveolar/Bronchiolar Carcinoma	
	[ Alveolar/Bronchiolar Carcinoma TGLS = 2-2-1 ]		
* Nose	Olfactory Epi	Cytoplasmic Alteration	Mild
	Respirat Epith	Cytoplasmic Alteration	Mild

**PRIMARY CAUSE OF DEATH**

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 93023-07  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** 2,4-Hexadienal  
**CAS Number:** 142-83-6

**Date Report Requested:** 10/20/2014  
**Time Report Requested:** 13:41:49  
**First Dose M/F:** NA / NA  
**Lab:** SRI

**ANIMAL ID:** 160

**TRT#:** 7

**SEX:** Male

**DAY ON TEST:** 731

**DOSE:** 120 MG/KG/DY

**DISP:** Terminal Sacrifice

**HISTO:** 99-87140

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

* Adrenal Cortex	* 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, Mandibular	* Lymph Node, Mesenteric	* 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**

* Kidney		Nephropathy	Mild
* Liver		Hepatocellular Adenoma	
	Hepatocyte	Vacuolization Cytoplasmic	Focal, Mild
	[ Hepatocellular Adenoma TGLS = 3-23 ]		
	[ Vacuolization Cytoplasmic TGLS = 4-24 ]		
* Lung		Alveolar/Bronchiolar Carcinoma	
	[ Alveolar/Bronchiolar Carcinoma TGLS = 5-2-1 ]		
Mesentery	Fat	Necrosis	Moderate
	[ Necrosis TGLS = 2-22 ]		
* Nose	Respirat Epith	Cytoplasmic Alteration	Minimal
	Glands, Mucosa	Dilatation	Focal, Mild
* Pancreas		Necrosis	Focal, Marked
	Note: Pancreatic lesion (TGL 1) is a large infarct.		
	[ Necrosis TGLS = 1-21 ]		
* Stomach, Forestomach		Squamous Cell Papilloma	
	[ Squamous Cell Papilloma TGLS = 6-25 ]		

**PRIMARY CAUSE OF DEATH** -

\* PROTOCOL REQUIRED TISSUE



**Experiment Number:** 93023-07  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** 2,4-Hexadienal  
**CAS Number:** 142-83-6

**Date Report Requested:** 10/20/2014  
**Time Report Requested:** 13:41:49  
**First Dose M/F:** NA / NA  
**Lab:** SRI

**ANIMAL ID:** 161

**TRT#:** 7

**SEX:** Male

**DAY ON TEST:** 729

**DOSE:** 120 MG/KG/DY

**DISP:** Terminal Sacrifice

**HISTO:** 99-87141

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

* Adrenal Cortex	* 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	* Pancreas	* Parathyroid Gland
* Pituitary Gland	* Preputial Gland	* Salivary Glands	* Seminal Vesicle
* Skin	* Stomach, Glandular	* Testes	* Trachea
* Urinary Bladder			

**MISSING**

\* Mammary Gland                      \* Thymus

**OBSERVATIONS**

* Adrenal Medulla		Hyperplasia	Minimal
* Kidney		Nephropathy	Moderate
* Liver	Hepatocyte	Cytomegaly	Moderate
		Hepatocellular Adenoma	Multiple
		Hepatocellular Carcinoma	
		Infiltration Cellular	Mixed Cell, Mild
	Hepatocyte	Karyomegaly	Moderate
	[ Hepatocellular Adenoma TGLS = 3-21, 6-24 ]		
	[ Hepatocellular Carcinoma TGLS = 4-22 ]		
* Nose	Respirat Epith	Cytoplasmic Alteration	Mild
* Prostate	Epithelium	Hyperplasia	Focal, Mild
* Spleen		Hematopoietic Cell Proliferation	Moderate
	[ Hematopoietic Cell Proliferation TGLS = 1-6 ]		
* Stomach, Forestomach	Epithelium	Hyperplasia	Squamous, Mild
		Ulcer	Minimal
	[ Hyperplasia TGLS = 5-23 ]		
	[ Ulcer TGLS = 5-23 ]		
* Thyroid Gland		Degeneration	Cystic, Focal, Mild

PRIMARY CAUSE OF DEATH                      -

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 93023-07  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** 2,4-Hexadienal  
**CAS Number:** 142-83-6

**Date Report Requested:** 10/20/2014  
**Time Report Requested:** 13:41:49  
**First Dose M/F:** NA / NA  
**Lab:** SRI

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**ANIMAL ID:** 161

**TRT#:** 7

**SEX:** Male

**DAY ON TEST:** 729

**DOSE:** 120 MG/KG/DY

**DISP:** Terminal Sacrifice

**HISTO:** 99-87141

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 93023-07  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** 2,4-Hexadienal  
**CAS Number:** 142-83-6

**Date Report Requested:** 10/20/2014  
**Time Report Requested:** 13:41:49  
**First Dose M/F:** NA / NA  
**Lab:** SRI

**ANIMAL ID:** 162

**TRT#:** 7

**SEX:** Male

**DAY ON TEST:** 643

**DOSE:** 120 MG/KG/DY

**DISP:** Moribund Sacrifice

**HISTO:** 99-86348

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

* Adrenal Cortex	* 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	* Parathyroid Gland	* Pituitary Gland	* Prostate
* Salivary Glands	* Seminal Vesicle	* Skin	* Spleen
* Stomach, Glandular	* Testes	* Thymus	* Thyroid Gland
* Trachea	* Urinary Bladder		

**MISSING**

\* Mammary Gland

**OBSERVATIONS**

* Islets, Pancreatic		Hyperplasia	Mild
* Kidney		Nephropathy	Mild
* Liver		Infiltration Cellular	Mixed Cell, Minimal
* Lung	Mediastinum	Alveolar/Bronchiolar Carcinoma	Metastatic (Lung)
		Alveolar/Bronchiolar Carcinoma	
		Hyperplasia	Lymphoid, Moderate
		Hyperplasia	Histiocytic, Moderate
		Infiltration Cellular	Eosinophil, Focal, Mild
		[ Alveolar/Bronchiolar Carcinoma TGLS = 3-2 ]	
Lymph Node	Mediastinal	Hyperplasia	Plasma Cell, Moderate
Mesentery	Fat	Necrosis	Moderate
		[ Necrosis TGLS = 2-21 ]	
* Nose	Respirat Epith	Cytoplasmic Alteration	Moderate
		Inflammation	Suppurative, Mild
* Pancreas	Acinus	Atrophy	Diffuse, Moderate
* Preputial Gland		Degeneration	Cystic, Moderate
		[ Degeneration TGLS = 1-8 ]	
* Stomach, Forestomach	Epithelium	Hyperplasia	Squamous, Mild
		Ulcer	Mild

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 93023-07  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** 2,4-Hexadienal  
**CAS Number:** 142-83-6

**Date Report Requested:** 10/20/2014  
**Time Report Requested:** 13:41:49  
**First Dose M/F:** NA / NA  
**Lab:** SRI

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**ANIMAL ID:** 162

**TRT#:** 7

**SEX:** Male

**DAY ON TEST:** 643

**DOSE:** 120 MG/KG/DY

**DISP:** Moribund Sacrifice

**HISTO:** 99-86348

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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[ Hyperplasia TGLS = 4-22 ]

[ Ulcer TGLS = 4-22 ]

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**PRIMARY CAUSE OF DEATH**

- Lung Alveolar/Bronchiolar Carcinoma

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 93023-07  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** 2,4-Hexadienal  
**CAS Number:** 142-83-6

**Date Report Requested:** 10/20/2014  
**Time Report Requested:** 13:41:49  
**First Dose M/F:** NA / NA  
**Lab:** SRI

**ANIMAL ID:** 163

**TRT#:** 7

**SEX:** Male

**DAY ON TEST:** 732

**DOSE:** 120 MG/KG/DY

**DISP:** Terminal Sacrifice

**HISTO:** 99-87142

**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, Mandibular
* Lymph Node, Mesenteric	* Pancreas	* Parathyroid Gland	* Pituitary Gland
* Prostate	* Salivary Glands	* Seminal Vesicle	* Skin
* Spleen	* Stomach, Glandular	* Testes	* Thyroid Gland
* Trachea	* Urinary Bladder		

**MISSING**

\* Mammary Gland

**INSUFFICIENT TISSUE**

\* Thymus

**OBSERVATIONS**

* Adrenal Cortex	Subcapsular	Adenoma	
* Kidney		Nephropathy	Moderate
* Liver		Hepatocellular Adenoma	
		Infiltration Cellular	Mixed Cell, Minimal
	[ Hepatocellular Adenoma TGLS = 5-23 ]		
* Lung		Alveolar/Bronchiolar Adenoma	Multiple
	[ Alveolar/Bronchiolar Adenoma TGLS = 2-2, 2-2-1 ]		
Mesentery	Fat	Necrosis	Moderate
	[ Necrosis TGLS = 3-21, 4-22 ]		
* Nose	Olfactory Epi	Cytoplasmic Alteration	Mild
	Respirat Epith	Cytoplasmic Alteration	Mild
* Preputial Gland		Degeneration	Cystic, Moderate
	[ Degeneration TGLS = 1-8 ]		
* Stomach, Forestomach	Epithelium	Hyperplasia	Squamous, Moderate
	[ Squamous Cell Carcinoma TGLS = 6-24 ]	Squamous Cell Carcinoma	

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 93023-07  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** 2,4-Hexadienal  
**CAS Number:** 142-83-6

**Date Report Requested:** 10/20/2014  
**Time Report Requested:** 13:41:49  
**First Dose M/F:** NA / NA  
**Lab:** SRI

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**ANIMAL ID:** 163

**TRT#:** 7

**SEX:** Male

**DAY ON TEST:** 732

**DOSE:** 120 MG/KG/DY

**DISP:** Terminal Sacrifice

**HISTO:** 99-87142

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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PRIMARY CAUSE OF DEATH

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 93023-07  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** 2,4-Hexadienal  
**CAS Number:** 142-83-6

**Date Report Requested:** 10/20/2014  
**Time Report Requested:** 13:41:49  
**First Dose M/F:** NA / NA  
**Lab:** SRI

**ANIMAL ID:** 164

**TRT#:** 7

**SEX:** Male

**DAY ON TEST:** 573

**DOSE:** 120 MG/KG/DY

**DISP:** Moribund Sacrifice

**HISTO:** 99-85913

**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	* Islets, Pancreatic	* Lymph Node, Mandibular	* Lymph Node, Mesenteric
* 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	Focal, Minimal
* Heart		Cholangiocarcinoma	Metastatic (Liver)
* Kidney		Cholangiocarcinoma	Metastatic (Liver)
		Nephropathy	Mild
* Liver	Hepatocyte	Cholangiocarcinoma	
		Vacuolization Cytoplasmic	Focal, Mild
		[ Cholangiocarcinoma TGLS = 8-22 ]	
		[ Vacuolization Cytoplasmic TGLS = 7-6 ]	
* Lung	Mediastinum	Cholangiocarcinoma	Metastatic (Liver)
		Cholangiocarcinoma	Metastatic (Liver)
		[ Cholangiocarcinoma TGLS = 5-2 ]	
Mesentery		Cholangiocarcinoma	Metastatic (Liver)
	Fat	Necrosis	Moderate
		[ Cholangiocarcinoma TGLS = 6-5 ]	
		[ Necrosis TGLS = 1-23 ]	
* Nose	Glands, Mucosa	Dilatation	Focal, Minimal
	Nasolacrim Dct	Inflammation	Mild
* Pancreas		Cholangiocarcinoma	Metastatic (Liver)
Pleura		Cholangiocarcinoma	Metastatic (Liver)
Skeletal Muscle		Cholangiocarcinoma	Metastatic (Liver)

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 93023-07  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** 2,4-Hexadienal  
**CAS Number:** 142-83-6

**Date Report Requested:** 10/20/2014  
**Time Report Requested:** 13:41:49  
**First Dose M/F:** NA / NA  
**Lab:** SRI

**ANIMAL ID:** 164

**TRT#:** 7

**SEX:** Male

**DAY ON TEST:** 573

**DOSE:** 120 MG/KG/DY

**DISP:** Moribund Sacrifice

**HISTO:** 99-85913

**ORGAN AND ACCOUNTABLE SITE STATUS**

[ Cholangiocarcinoma TGLS = 3-21 ]

* Spleen		Hematopoietic Cell Proliferation	Moderate
* Stomach, Forestomach	Epithelium	Hyperplasia	Squamous, Mild
		Inflammation	Focal, Mild
		Ulcer	Mild
* Thymus		Cholangiocarcinoma	Metastatic (Liver)

[ Cholangiocarcinoma TGLS = 4-2 ]

**PRIMARY CAUSE OF DEATH** - Liver Cholangiocarcinoma

\* PROTOCOL REQUIRED TISSUE



**Experiment Number:** 93023-07  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** 2,4-Hexadienal  
**CAS Number:** 142-83-6

**Date Report Requested:** 10/20/2014  
**Time Report Requested:** 13:41:49  
**First Dose M/F:** NA / NA  
**Lab:** SRI

**ANIMAL ID:** 165

**TRT#:** 7

**SEX:** Male

**DAY ON TEST:** 732

**DOSE:** 120 MG/KG/DY

**DISP:** Terminal Sacrifice

**HISTO:** 99-87143

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

* Adrenal Cortex	* 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	* Islets, Pancreatic	* Lymph Node, Mesenteric
* Pancreas	* Parathyroid Gland	* Pituitary Gland	* Prostate
* Salivary Glands	* Seminal Vesicle	* Stomach, Forestomach	* Stomach, Glandular
* Testes	* Thymus	* Trachea	* Urinary Bladder

**MISSING**

\* Mammary Gland

**OBSERVATIONS**

Eye	Cornea	Hyperplasia	Squamous, Focal, Minimal
	Cornea	Inflammation	Focal, Mild
	Cornea	Necrosis	Focal, Mild
[ Hyperplasia TGLS = 1-21 ]			
[ Inflammation TGLS = 1-21 ]			
[ Necrosis TGLS = 1-21 ]			
Harderian Gland		Adenoma	
[ Adenoma TGLS = 12-25 ]			
* Intestine Small, Jejunum		Carcinoma	
[ Carcinoma TGLS = 8-23 ]			
* Kidney		Nephropathy	Moderate
[ Nephropathy TGLS = 6-5 ]			
* Liver		Hemangiosarcoma	
		Infiltration Cellular	Mixed Cell, Mild
[ Hemangiosarcoma TGLS = 7-22 ]			
* Lung		Hemorrhage	Minimal
[ Hemorrhage TGLS = 10-2-1 ]			
Lymph Node			
Note: Mediastinal lymph node, reported to be enlarged at necropsy (TGL 9), is missing.			
* Lymph Node, Mandibular		Hyperplasia	Plasma Cell, Moderate

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 93023-07  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** 2,4-Hexadienal  
**CAS Number:** 142-83-6

**Date Report Requested:** 10/20/2014  
**Time Report Requested:** 13:41:49  
**First Dose M/F:** NA / NA  
**Lab:** SRI

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<b>ANIMAL ID:</b> 165	<b>TRT#:</b> 7	<b>SEX:</b> Male	<b>DAY ON TEST:</b> 732
	<b>DOSE:</b> 120 MG/KG/DY	<b>DISP:</b> Terminal Sacrifice	<b>HISTO:</b> 99-87143

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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[ Hyperplasia TGLS = 2-8 ]			
* Nose	Respirat Epith	Cytoplasmic Alteration	Mild
* Preputial Gland		Degeneration	Cystic, Moderate
		Inflammation	Chronic, Moderate
[ Degeneration TGLS = 3-8 ]			
[ Inflammation TGLS = 3-8 ]			
* Skin	Epidermis	Hyperkeratosis	Focal, Mild
		Hyperplasia	Focal, Moderate
		Inflammation	Chronic, Focal, Moderate
[ Hyperkeratosis TGLS = 11-24 ]			
[ Hyperplasia TGLS = 11-24 ]			
[ Inflammation TGLS = 11-24 ]			
* Spleen		Hematopoietic Cell Proliferation	Marked
[ Hematopoietic Cell Proliferation TGLS = 4-6 ]			
* Thyroid Gland		Degeneration	Cystic, Focal, Mild

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PRIMARY CAUSE OF DEATH -

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 93023-07  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** 2,4-Hexadienal  
**CAS Number:** 142-83-6

**Date Report Requested:** 10/20/2014  
**Time Report Requested:** 13:41:49  
**First Dose M/F:** NA / NA  
**Lab:** SRI

**ANIMAL ID:** 166

**TRT#:** 7

**SEX:** Male

**DAY ON TEST:** 729

**DOSE:** 120 MG/KG/DY

**DISP:** Natural Death

**HISTO:** 99-87164

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

* Adrenal Medulla	* Bone	* Brain	* Esophagus
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* 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, Glandular	* Thymus	* Thyroid Gland	* Trachea
* Urinary Bladder			

**MISSING**

\* Mammary Gland

**AUTO PRECLUDES DIAG.**

\* Gallbladder

**OBSERVATIONS**

* Adrenal Cortex		Accessory Adrenal Cortical Nodule	Minimal
* Bone Marrow	Myeloid Cell	Hyperplasia	Marked
* Epididymis		Hemangiosarcoma	Metastatic (Mesentery)
[ Hemangiosarcoma TGLS = 2-21 ]			
Harderian Gland		Adenoma	
[ Adenoma TGLS = 8-23 ]			
* Heart		Inflammation	Chronic, Focal, Mild
* Intestine Small, Ileum		Carcinoma	
* Kidney		Nephropathy	Mild
* Liver		Hematopoietic Cell Proliferation	Moderate
* Lung		Infiltration Cellular	Mixed Cell, Moderate
Lymph Node	Mediastinal	Infiltration Cellular	Mixed Cell, Moderate
[ Infiltration Cellular TGLS = 7-2 ]			
Mesentery		Hemangiosarcoma	
	Fat	Necrosis	Moderate
[ Hemangiosarcoma TGLS = 2-21 ]			
[ Necrosis TGLS = 3-22 ]			
* Nose	Respirat Epith	Cytoplasmic Alteration	Moderate

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 93023-07  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** 2,4-Hexadienal  
**CAS Number:** 142-83-6

**Date Report Requested:** 10/20/2014  
**Time Report Requested:** 13:41:49  
**First Dose M/F:** NA / NA  
**Lab:** SRI

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**ANIMAL ID:** 166

**TRT#:** 7

**SEX:** Male

**DAY ON TEST:** 729

**DOSE:** 120 MG/KG/DY

**DISP:** Natural Death

**HISTO:** 99-87164

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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* Spleen [ Hematopoietic Cell Proliferation TGLS = 5-6 ]		Hematopoietic Cell Proliferation	Marked
* Stomach, Forestomach	Epithelium	Hyperplasia	Squamous, Minimal
* Testes [ Hemangiosarcoma TGLS = 2-21 ]		Hemangiosarcoma	Metastatic (Mesentery)

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**PRIMARY CAUSE OF DEATH** - Mesentery Hemangiosarcoma

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 93023-07  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** 2,4-Hexadienal  
**CAS Number:** 142-83-6

**Date Report Requested:** 10/20/2014  
**Time Report Requested:** 13:41:49  
**First Dose M/F:** NA / NA  
**Lab:** SRI

**ANIMAL ID:** 167

**TRT#:** 7

**SEX:** Male

**DAY ON TEST:** 730

**DOSE:** 120 MG/KG/DY

**DISP:** Terminal Sacrifice

**HISTO:** 99-87165

**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, Mesenteric	* Pancreas	* Parathyroid Gland	* Pituitary Gland
* Prostate	* Salivary Glands	* Seminal Vesicle	* Skin
* Spleen	* Stomach, Glandular	* Testes	* Thyroid Gland
* Trachea	* Urinary Bladder		

**MISSING**

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

* Adrenal Cortex	Subcapsular	Adenoma	
		Cytoplasmic Alteration	Focal, Minimal
* Kidney		Nephropathy	Minimal
* Liver		Infiltration Cellular	Mixed Cell, Minimal
	Hepatocyte	Vacuolization Cytoplasmic	Focal, Moderate
Note: Liver: Pale focus seen at necropsy (TGL 2) apparently was only local evidence of diffuse cytoplasmic vacuolization, and not a discrete lesion. [ Vacuolization Cytoplasmic TGLS = 2-21 ]			
Mesentery	Fat	Necrosis	Moderate
[ Necrosis TGLS = 3-22 ]			
* Nose	Respirat Epith	Cytoplasmic Alteration	Moderate
* Preputial Gland		Degeneration	Cystic, Moderate
[ Degeneration TGLS = 1-8 ]			
* Stomach, Forestomach		Squamous Cell Papilloma	Multiple
[ Squamous Cell Papilloma TGLS = 4-23 ]			
* Thymus		Cyst	Minimal

**PRIMARY CAUSE OF DEATH** -

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 93023-07  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** 2,4-Hexadienal  
**CAS Number:** 142-83-6

**Date Report Requested:** 10/20/2014  
**Time Report Requested:** 13:41:49  
**First Dose M/F:** NA / NA  
**Lab:** SRI

**ANIMAL ID:** 168

**TRT#:** 7

**SEX:** Male

**DAY ON TEST:** 731

**DOSE:** 120 MG/KG/DY

**DISP:** Terminal Sacrifice

**HISTO:** 99-87166

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

* Adrenal Cortex	* 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, Mandibular	* Lymph Node, Mesenteric	* Pancreas	* Parathyroid Gland
* Pituitary Gland	* Prostate	* Salivary Glands	* Seminal Vesicle
* Skin	* Spleen	* Stomach, Glandular	* Testes
* Thymus	* Thyroid Gland	* Trachea	* Urinary Bladder

**MISSING**

\* Mammary Gland

**OBSERVATIONS**

* Kidney		Nephropathy	Mild
* Liver		Hepatocellular Adenoma	Multiple
	Bile Duct	Hyperplasia	Mild
	Hepatocyte, Periportal	Infiltration Cellular	Mixed Cell, Minimal
	[ Hepatocellular Adenoma TGLS = 3-22 ]	Vacuolization Cytoplasmic	Mild
* Lung		Alveolar/Bronchiolar Adenoma	Multiple
	[ Alveolar/Bronchiolar Adenoma TGLS = 4-2 ]	Hyperplasia	Histiocytic, Moderate
Mesentery	Fat	Necrosis	Moderate
	[ Necrosis TGLS = 2-21 ]		
* Nose	Respirat Epith	Cytoplasmic Alteration	Moderate
* Preputial Gland		Degeneration	Cystic, Moderate
	[ Degeneration TGLS = 1-8 ]		
* Stomach, Forestomach		Squamous Cell Papilloma	
	[ Squamous Cell Papilloma TGLS = 5-4 ]		
Tooth	Peridont Tiss	Inflammation	Chronic, Moderate

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 93023-07  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** 2,4-Hexadienal  
**CAS Number:** 142-83-6

**Date Report Requested:** 10/20/2014  
**Time Report Requested:** 13:41:49  
**First Dose M/F:** NA / NA  
**Lab:** SRI

**ANIMAL ID:** 169

**TRT#:** 7

**SEX:** Male

**DAY ON TEST:** 730

**DOSE:** 120 MG/KG/DY

**DISP:** Terminal Sacrifice

**HISTO:** 99-87167

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

* Adrenal Cortex	* 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, Mandibular	* Lymph Node, Mesenteric	* Pancreas	* Parathyroid Gland
* Pituitary Gland	* Prostate	* Salivary Glands	* Seminal Vesicle
* Skin	* Stomach, Forestomach	* Stomach, Glandular	* Testes
* Thymus	* Thyroid Gland	Tissue NOS	* Trachea
* Urinary Bladder			

**MISSING**

\* Mammary Gland

**OBSERVATIONS**

Harderian Gland [ Adenoma TGLS = 3-21 ]		Adenoma	
* Kidney		Nephropathy	Mild
* Liver  [ Hyperplasia TGLS = 2-6 ] [ Infiltration Cellular TGLS = 2-6 ] [ Inflammation TGLS = 2-6 ]	Oval Cell	Hyperplasia Infiltration Cellular Inflammation	Moderate Mixed Cell, Moderate Chronic, Moderate
* Lung	Alveolar Epith	Hyperplasia	Focal, Minimal
* Nose	Respirat Epith	Cytoplasmic Alteration	Moderate
* Preputial Gland [ Degeneration TGLS = 1-8 ]		Degeneration	Cystic, Moderate
* Spleen		Hematopoietic Cell Proliferation	Mild

**PRIMARY CAUSE OF DEATH**

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 93023-07  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** 2,4-Hexadienal  
**CAS Number:** 142-83-6

**Date Report Requested:** 10/20/2014  
**Time Report Requested:** 13:41:49  
**First Dose M/F:** NA / NA  
**Lab:** SRI

**ANIMAL ID:** 170

**TRT#:** 7

**SEX:** Male

**DAY ON TEST:** 729

**DOSE:** 120 MG/KG/DY

**DISP:** Terminal Sacrifice

**HISTO:** 99-87168

**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, Glandular	* Testes
* Thymus	* Thyroid Gland	* Trachea	* Urinary Bladder

**MISSING**

\* Mammary Gland

**OBSERVATIONS**

* Adrenal Cortex	Subcapsular	Hyperplasia	Focal, Mild
* Kidney		Nephropathy	Mild
* Liver	Hepatocyte, Midzonal	Hepatocellular Carcinoma	Moderate
		Vacuolization Cytoplasmic	
	[ Hepatocellular Carcinoma TGLS = 3-21 ]		
	[ Vacuolization Cytoplasmic TGLS = 4-22 ]		
* Preputial Gland		Degeneration	Cystic, Moderate
	[ Degeneration TGLS = 1-8 ]		
* Spleen		Hematopoietic Cell Proliferation	Mild
* Stomach, Forestomach		Squamous Cell Carcinoma	
	Note: Forestomach squamous cell carcinoma was ulcerated.		
	[ Squamous Cell Carcinoma TGLS = 2-4, 2-4.1, 2-4.2, 5-4, 5-4.1, 5-4.2 ]		

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE



**Experiment Number:** 93023-07  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** 2,4-Hexadienal  
**CAS Number:** 142-83-6

**Date Report Requested:** 10/20/2014  
**Time Report Requested:** 13:41:49  
**First Dose M/F:** NA / NA  
**Lab:** SRI

**ANIMAL ID:** 171

**TRT#:** 7

**SEX:** Male

**DAY ON TEST:** 732

**DOSE:** 120 MG/KG/DY

**DISP:** Terminal Sacrifice

**HISTO:** 99-87169

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

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

**MISSING**

\* Mammary Gland

**OBSERVATIONS**

* Bone Marrow	Myeloid Cell	Hyperplasia	Moderate
* Intestine Small, Jejunum		Inflammation	Chronic Active, Mild
* Kidney		Cyst	Minimal
		Nephropathy	Minimal
* Liver	Hepatocyte	Eosinophilic Focus	Mild
		Eosinophilic Focus	
		Hepatocellular Adenoma	
		[ Eosinophilic Focus TGLS = 9-24 ]	
		[ Hepatocellular Adenoma TGLS = 6-23 ]	
Lymph Node	Mediastinal	Hyperplasia	Plasma Cell, Moderate
		[ Hyperplasia TGLS = 8-2 ]	
* Lymph Node, Mesenteric		Hyperplasia	Plasma Cell, Moderate
		[ Hyperplasia TGLS = 5-5 ]	
Mesentery		Inflammation	Chronic, Mild
	Fat	Necrosis	Moderate
		[ Necrosis TGLS = 4-22 ]	
* Nose	Respirat Epith	Cytoplasmic Alteration	Moderate
* Pancreas	Acinus	Atrophy	Focal, Marked
	Duct	Cyst	Marked
	Duct	Inflammation	Chronic, Focal, Marked

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 93023-07  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** 2,4-Hexadienal  
**CAS Number:** 142-83-6

**Date Report Requested:** 10/20/2014  
**Time Report Requested:** 13:41:49  
**First Dose M/F:** NA / NA  
**Lab:** SRI

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<b>ANIMAL ID:</b> 171	<b>TRT#:</b> 7	<b>SEX:</b> Male	<b>DAY ON TEST:</b> 732
	<b>DOSE:</b> 120 MG/KG/DY	<b>DISP:</b> Terminal Sacrifice	<b>HISTO:</b> 99-87169

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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[ Atrophy TGLS = 3-21, 7-7, 7-21 ]			
[ Cyst TGLS = 3-21 ]			
[ Inflammation TGLS = 3-21 ]			
* Preputial Gland		Degeneration	Cystic, Moderate
[ Degeneration TGLS = 1-8 ]			
* Spleen		Hematopoietic Cell Proliferation	Moderate
[ Hematopoietic Cell Proliferation TGLS = 2-6 ]			
* Stomach, Forestomach	Epithelium	Hyperplasia	Squamous, Moderate
Tooth		Malformation	Minimal

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PRIMARY CAUSE OF DEATH

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 93023-07  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** 2,4-Hexadienal  
**CAS Number:** 142-83-6

**Date Report Requested:** 10/20/2014  
**Time Report Requested:** 13:41:49  
**First Dose M/F:** NA / NA  
**Lab:** SRI

**ANIMAL ID:** 172

**TRT#:** 7

**SEX:** Male

**DAY ON TEST:** 729

**DOSE:** 120 MG/KG/DY

**DISP:** Terminal Sacrifice

**HISTO:** 99-87170

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

* Adrenal Cortex	* 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, Mandibular	* Lymph Node, Mesenteric	* 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**

* Kidney		Nephropathy	Mild
* Liver		Hepatocellular Adenoma	Multiple
		Infiltration Cellular	Mixed Cell, Minimal
	Hepatocyte	Mixed Cell Focus	Multiple, Mild
	Hepatocyte	Vacuolization Cytoplasmic	Focal, Mild
	[ Hepatocellular Adenoma TGLS = 2-22, 3-23 ]		
* Lung		Alveolar/Bronchiolar Adenoma	
Mesentery	Fat	Necrosis	Moderate
	[ Necrosis TGLS = 1-21 ]		
* Nose	Olfactory Epi	Cytoplasmic Alteration	Mild
	Respirat Epith	Cytoplasmic Alteration	Mild
	Glands, Mucosa	Dilatation	Focal, Mild
Tooth		Malformation	Moderate

PRIMARY CAUSE OF DEATH

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 93023-07  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** 2,4-Hexadienal  
**CAS Number:** 142-83-6

**Date Report Requested:** 10/20/2014  
**Time Report Requested:** 13:41:49  
**First Dose M/F:** NA / NA  
**Lab:** SRI

**ANIMAL ID:** 173

**TRT#:** 7

**SEX:** Male

**DAY ON TEST:** 729

**DOSE:** 120 MG/KG/DY

**DISP:** Terminal Sacrifice

**HISTO:** 99-87171

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

* Adrenal Cortex	* 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	* Pancreas
* Parathyroid Gland	* Pituitary Gland	* Prostate	* Salivary Glands
* Seminal Vesicle	* Skin	* Spleen	* Stomach, Glandular
* Testes	* Thymus	* Trachea	* Urinary Bladder

**MISSING**

\* Mammary Gland

**OBSERVATIONS**

* Kidney		Nephropathy	Mild
* Liver		Infiltration Cellular	Mixed Cell, Minimal
	Hepatocyte	Mixed Cell Focus	Multiple, Mild
	Hepatocyte	Vacuolization Cytoplasmic	Focal, Minimal
	Hepatocyte, Midzonal	Vacuolization Cytoplasmic	Mild
[ Mixed Cell Focus TGLS = 4-23 ]			
Mesentery	Fat	Necrosis	Moderate
[ Necrosis TGLS = 2-21 ]			
* Nose	Olfactory Epi	Cytoplasmic Alteration	Mild
	Respirat Epith	Cytoplasmic Alteration	Mild
* Preputial Gland		Degeneration	Cystic, Moderate
[ Degeneration TGLS = 1-8 ]			
* Stomach, Forestomach	Epithelium	Hyperplasia	Squamous, Minimal
* Thyroid Gland	Follicle	Cyst	Mild

PRIMARY CAUSE OF DEATH

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 93023-07  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** 2,4-Hexadienal  
**CAS Number:** 142-83-6

**Date Report Requested:** 10/20/2014  
**Time Report Requested:** 13:41:49  
**First Dose M/F:** NA / NA  
**Lab:** SRI

**ANIMAL ID:** 174

**TRT#:** 7

**SEX:** Male

**DAY ON TEST:** 729

**DOSE:** 120 MG/KG/DY

**DISP:** Terminal Sacrifice

**HISTO:** 99-87172

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

* Adrenal Cortex	* 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	* Pancreas
* Parathyroid Gland	* Preputial Gland	* Prostate	* Salivary Glands
* Seminal Vesicle	* Skin	* Spleen	* Stomach, Glandular
* Thymus	* Thyroid Gland	* Trachea	* Urinary Bladder

**MISSING**

\* Mammary Gland

**OBSERVATIONS**

* Islets Panc			
Note: One islet of pancreas contains a small clear cyst.			
* Kidney		Cyst	Mild
		Nephropathy	Mild
* Liver		Hepatocellular Adenoma	Multiple
		Infiltration Cellular	Mixed Cell, Minimal
	Hepatocyte	Mixed Cell Focus	Mild
	Hepatocyte	Vacuolization Cytoplasmic	Focal, Minimal
	Hepatocyte, Midzonal	Vacuolization Cytoplasmic	Minimal
[ Hepatocellular Adenoma TGLS = 3-22, 5-24, 6-25 ]			
[ Mixed Cell Focus TGLS = 4-23 ]			
Mesentery	Fat	Necrosis	Moderate
[ Necrosis TGLS = 1-21 ]			
* Nose	Olfactory Epi	Cytoplasmic Alteration	Mild
	Respirat Epith	Cytoplasmic Alteration	Mild
		Inflammation	Suppurative, Moderate
* Pituitary Gland	Pars Distalis	Cyst	Mild
* Stomach, Forestomach	Epithelium	Hyperplasia	Squamous, Minimal
* Testes	Interstit Cell	Adenoma	

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 93023-07  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** 2,4-Hexadienal  
**CAS Number:** 142-83-6

**Date Report Requested:** 10/20/2014  
**Time Report Requested:** 13:41:49  
**First Dose M/F:** NA / NA  
**Lab:** SRI

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**ANIMAL ID:** 174

**TRT#:** 7

**SEX:** Male

**DAY ON TEST:** 729

**DOSE:** 120 MG/KG/DY

**DISP:** Terminal Sacrifice

**HISTO:** 99-87172

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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[ Adenoma TGLS = 2-7 ]

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PRIMARY CAUSE OF DEATH

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 93023-07  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** 2,4-Hexadienal  
**CAS Number:** 142-83-6

**Date Report Requested:** 10/20/2014  
**Time Report Requested:** 13:41:49  
**First Dose M/F:** NA / NA  
**Lab:** SRI

**ANIMAL ID:** 175

**TRT#:** 7

**SEX:** Male

**DAY ON TEST:** 729

**DOSE:** 120 MG/KG/DY

**DISP:** Terminal Sacrifice

**HISTO:** 99-87173

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

* Adrenal Medulla	* Bone	* Bone Marrow	* Brain
* Epididymis	* Esophagus	* 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
* Testes	* Thymus	* Thyroid Gland	* Trachea
* Urinary Bladder			

**MISSING**

\* Mammary Gland

**OBSERVATIONS**

* Adrenal Cortex	Subcapsular	Hyperplasia	Focal, Minimal
Eye	Cornea	Hyperplasia	Squamous, Focal, Minimal
	Cornea	Inflammation	Focal, Minimal
* Gallbladder		Cyst	Minimal
Harderian Gland		Carcinoma	
Note: Harderian gland lesion, TGL 1-24, is adenoma within which are small areas of carcinoma. [ Carcinoma TGLS = 1-24 ]			
* Kidney		Cyst	Minimal
	Renal Tubule	Hyperplasia	Focal, Minimal
* Liver		Hepatocellular Carcinoma	
	Hepatocyte, Midzonal	Infiltration Cellular	Mixed Cell, Minimal
		Vacuolization Cytoplasmic	Mild
[ Hepatocellular Carcinoma TGLS = 4-23 ]			
* Lung		Alveolar/Bronchiolar Adenoma	
[ Alveolar/Bronchiolar Adenoma TGLS = 5-2 ]			
Mesentery	Fat	Necrosis	Moderate
[ Necrosis TGLS = 2-21 ]			
* Nose	Olfactory Epi	Cytoplasmic Alteration	Mild
	Respirat Epith	Cytoplasmic Alteration	Mild

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 93023-07  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** 2,4-Hexadienal  
**CAS Number:** 142-83-6

**Date Report Requested:** 10/20/2014  
**Time Report Requested:** 13:41:49  
**First Dose M/F:** NA / NA  
**Lab:** SRI

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<b>ANIMAL ID:</b> 175	<b>TRT#:</b> 7	<b>SEX:</b> Male	<b>DAY ON TEST:</b> 729
	<b>DOSE:</b> 120 MG/KG/DY	<b>DISP:</b> Terminal Sacrifice	<b>HISTO:</b> 99-87173

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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* Spleen [ Hemangiosarcoma TGLS = 3-22 ]	Glands, Mucosa	Dilatation Hemangiosarcoma	Focal, Minimal
* Stomach, Forestomach [ Cyst TGLS = 6-25 ] [ Squamous Cell Papilloma TGLS = 7-25 ]	Epithelium	Cyst Squamous Cell Papilloma	Mild Multiple
* Stomach, Glandular Tooth	Glands	Degeneration Malformation	Cystic, Focal, Minimal Mild

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PRIMARY CAUSE OF DEATH

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\* PROTOCOL REQUIRED TISSUE



**Experiment Number:** 93023-07  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** 2,4-Hexadienal  
**CAS Number:** 142-83-6

**Date Report Requested:** 10/20/2014  
**Time Report Requested:** 13:41:49  
**First Dose M/F:** NA / NA  
**Lab:** SRI

**ANIMAL ID:** 176

**TRT#:** 7

**SEX:** Male

**DAY ON TEST:** 709

**DOSE:** 120 MG/KG/DY

**DISP:** Natural Death

**HISTO:** 99-86708

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

* Adrenal Cortex	* Adrenal Medulla	* 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	* Lung	* Lymph Node, Mandibular
* Pancreas	* Parathyroid Gland	* Pituitary Gland	* Salivary Glands
* Seminal Vesicle	* Skin	* Spleen	* Testes
* Thymus	* Thyroid Gland	* Trachea	

**MISSING**

\* Mammary Gland

**OBSERVATIONS**

* Bone Marrow	Myeloid Cell	Hyperplasia	Moderate
* Heart		Infiltration Cellular	Mixed Cell, Minimal
* Kidney		Inflammation	Suppurative, Mild
		Nephropathy	Moderate
		Sarcoma	Metastatic (Tissue Nos)
[ Sarcoma TGLS = 6-22 ]			
* Liver		Infiltration Cellular	Mixed Cell, Mild
Lymph Node	Inguinal	Hyperplasia	Plasma Cell, Moderate
* Lymph Node, Mesenteric		Congestion	Marked
[ Congestion TGLS = 3-5 ]			
Mesentery	Fat	Necrosis	Moderate
		Sarcoma	Metastatic (Tissue Nos)
[ Necrosis TGLS = 4-21 ]			
* Nose	Respirat Epith	Cytoplasmic Alteration	Moderate
* Preputial Gland		Adenoma	
		Metaplasia	Squamous, Marked
[ Adenoma TGLS = 1-8 ]			
* Prostate		Inflammation	Chronic, Moderate
* Stomach, Forestomach	Epithelium	Hyperplasia	Squamous, Mild
		Inflammation	Focal, Mild

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 93023-07  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** 2,4-Hexadienal  
**CAS Number:** 142-83-6

**Date Report Requested:** 10/20/2014  
**Time Report Requested:** 13:41:49  
**First Dose M/F:** NA / NA  
**Lab:** SRI

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<b>ANIMAL ID:</b> 176	<b>TRT#:</b> 7	<b>SEX:</b> Male	<b>DAY ON TEST:</b> 709
	<b>DOSE:</b> 120 MG/KG/DY	<b>DISP:</b> Natural Death	<b>HISTO:</b> 99-86708

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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[ Hyperplasia TGLS = 2-4 ]		Ulcer	Moderate
[ Ulcer TGLS = 2-4 ]			
* Stomach, Glandular		Erosion	Mild
[ Erosion TGLS = 8-23 ]			
Tissue NOS	Abdominal	Sarcoma	
[ Sarcoma TGLS = 6-22 ]			
* Urinary Bladder	Transit Epithe	Hyperplasia	Minimal
PRIMARY CAUSE OF DEATH	- Mesentery Sarcoma Tissue Nos		

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\* PROTOCOL REQUIRED TISSUE

Experiment Number: 93023-07

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: 2,4-Hexadienal

CAS Number: 142-83-6

Date Report Requested: 10/20/2014

Time Report Requested: 13:41:49

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 177

TRT#: 7

SEX: Male

DAY ON TEST: 730

DOSE: 120 MG/KG/DY

DISP: Terminal Sacrifice

HISTO: 99-87174

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* 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	* Pancreas
* 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

* Kidney		Nephropathy	Mild
* Liver		Hepatocellular Adenoma	
		Infiltration Cellular	Mixed Cell, Minimal
	Hepatocyte	Vacuolization Cytoplasmic	Diffuse, Moderate
	Hepatocyte	Vacuolization Cytoplasmic	Focal, Moderate
	[ Hepatocellular Adenoma TGLS = 3-22 ]		
	[ Vacuolization Cytoplasmic TGLS = 2-6, 4-6 ]		
	[ Vacuolization Cytoplasmic TGLS = 2-6, 4-6 ]		
Mesentery	Fat	Necrosis	Moderate
	[ Necrosis TGLS = 1-21 ]		
* Nose	Olfactory Epi	Cytoplasmic Alteration	Minimal
	Respirat Epith	Cytoplasmic Alteration	Minimal
		Inflammation	Suppurative, Mild
* Stomach, Forestomach	Epithelium	Hyperplasia	Squamous, Mild
	[ Hyperplasia TGLS = 5-23 ]		

PRIMARY CAUSE OF DEATH

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 93023-07  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** 2,4-Hexadienal  
**CAS Number:** 142-83-6

**Date Report Requested:** 10/20/2014  
**Time Report Requested:** 13:41:49  
**First Dose M/F:** NA / NA  
**Lab:** SRI

**ANIMAL ID:** 178

**TRT#:** 7

**SEX:** Male

**DAY ON TEST:** 729

**DOSE:** 120 MG/KG/DY

**DISP:** Terminal Sacrifice

**HISTO:** 99-87175

**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	* Pancreas	* Pituitary Gland
* Prostate	* Salivary Glands	* Seminal Vesicle	* Spleen
* Stomach, Forestomach	* Stomach, Glandular	* Testes	* Thyroid Gland
* Trachea	* Urinary Bladder		

**MISSING**

* Mammary Gland	* Parathyroid Gland
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**OBSERVATIONS**

* Adrenal Cortex		Accessory Adrenal Cortical Nodule	Minimal
* Kidney		Nephropathy	Mild
* Liver		Hepatocellular Adenoma	Multiple
	Hepatocyte	Vacuolization Cytoplasmic	Focal, Mild
	Hepatocyte, Midzonal	Vacuolization Cytoplasmic	Moderate
	[ Hepatocellular Adenoma TGLS = 4-23, 5-24 ]		
	[ Vacuolization Cytoplasmic TGLS = 6-6 ]		
Mesentery	Fat	Necrosis	Moderate
	[ Necrosis TGLS = 3-22 ]		
* Nose		Inflammation	Suppurative, Mild
* Preputial Gland		Degeneration	Cystic, Moderate
	[ Degeneration TGLS = 2-8 ]		
* Skin	Subcut Tiss	Necrosis	Fatty, Focal, Moderate
	[ Necrosis TGLS = 1-21 ]		
* Thymus		Cyst	Minimal

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 93023-07  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** 2,4-Hexadienal  
**CAS Number:** 142-83-6

**Date Report Requested:** 10/20/2014  
**Time Report Requested:** 13:41:49  
**First Dose M/F:** NA / NA  
**Lab:** SRI

**ANIMAL ID:** 179

**TRT#:** 7

**SEX:** Male

**DAY ON TEST:** 729

**DOSE:** 120 MG/KG/DY

**DISP:** Terminal Sacrifice

**HISTO:** 99-87176

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

* Adrenal Cortex	* 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	* Pancreas	* Prostate
* Salivary Glands	* Seminal Vesicle	* Skin	* Stomach, Glandular
* Testes	* Thymus	* Trachea	* Urinary Bladder

**MISSING**

* Mammary Gland	* Parathyroid Gland
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**OBSERVATIONS**

* Kidney		Nephropathy	Minimal
* Liver	Hepatocyte	Eosinophilic Focus	Minimal
	Hepatocyte	Hepatocellular Adenoma	
		Mixed Cell Focus	Mild
	[ Hepatocellular Adenoma TGLS = 5-22 ]		
	[ Mixed Cell Focus TGLS = 5-22 ]		
* Lymph Node, Mesenteric		Hyperplasia	Plasma Cell, Moderate
Mesentery	Fat	Necrosis	Moderate
	[ Necrosis TGLS = 2-21 ]		
* Nose	Respirat Epith	Cytoplasmic Alteration	Mild
* Pituitary Gland	Pars Distalis	Cytoplasmic Alteration	Focal, Mild
* Preputial Gland		Degeneration	Cystic, Moderate
	[ Degeneration TGLS = 1-8 ]		
* Spleen		Hematopoietic Cell Proliferation	Moderate
	[ Hematopoietic Cell Proliferation TGLS = 3-6 ]		
* Stomach, Forestomach		Squamous Cell Papilloma	
* Thyroid Gland		Degeneration	Cystic, Focal, Minimal

**PRIMARY CAUSE OF DEATH** -

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 93023-07  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** 2,4-Hexadienal  
**CAS Number:** 142-83-6

**Date Report Requested:** 10/20/2014  
**Time Report Requested:** 13:41:49  
**First Dose M/F:** NA / NA  
**Lab:** SRI

**ANIMAL ID:** 180

**TRT#:** 7

**SEX:** Male

**DAY ON TEST:** 627

**DOSE:** 120 MG/KG/DY

**DISP:** Moribund Sacrifice

**HISTO:** 99-86247

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

* Adrenal Cortex	* 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	* Islets, Pancreatic	* Lymph Node, Mandibular
* 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

**INSUFFICIENT TISSUE**

\* Thymus

**OBSERVATIONS**

* Heart		Alveolar/Bronchiolar Carcinoma	Metastatic (Lung)
* Kidney		Alveolar/Bronchiolar Carcinoma	Metastatic (Lung)
	[ Alveolar/Bronchiolar Carcinoma TGLS = 3-5, 4-5 ]		
* Liver		Hepatocellular Carcinoma	
	[ Hepatocellular Carcinoma TGLS = 5-22 ]	Infiltration Cellular	Mixed Cell, Mild
* Lung	Mediastinum	Alveolar/Bronchiolar Carcinoma	Metastatic (Lung)
	[ Alveolar/Bronchiolar Carcinoma TGLS = 6-2 ]	Alveolar/Bronchiolar Carcinoma	Multiple
Mesentery		Alveolar/Bronchiolar Carcinoma	Metastatic (Lung)
	Fat	Necrosis	Moderate
	[ Necrosis TGLS = 1-21 ]		
* Nose	Respirat Epith	Cytoplasmic Alteration	Mild
* Spleen		Hematopoietic Cell Proliferation	Moderate
* Stomach, Forestomach	Epithelium	Hyperplasia	Squamous, Minimal
		Ulcer	Focal, Minimal

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 93023-07  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** 2,4-Hexadienal  
**CAS Number:** 142-83-6

**Date Report Requested:** 10/20/2014  
**Time Report Requested:** 13:41:49  
**First Dose M/F:** NA / NA  
**Lab:** SRI

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**ANIMAL ID:** 180

**TRT#:** 7

**SEX:** Male

**DAY ON TEST:** 627

**DOSE:** 120 MG/KG/DY

**DISP:** Moribund Sacrifice

**HISTO:** 99-86247

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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PRIMARY CAUSE OF DEATH

- Lung Alveolar/Bronchiolar Carcinoma

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 93023-07  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** 2,4-Hexadienal  
**CAS Number:** 142-83-6

**Date Report Requested:** 10/20/2014  
**Time Report Requested:** 13:41:49  
**First Dose M/F:** NA / NA  
**Lab:** SRI

**ANIMAL ID:** 181

**TRT#:** 7

**SEX:** Male

**DAY ON TEST:** 731

**DOSE:** 120 MG/KG/DY

**DISP:** Terminal Sacrifice

**HISTO:** 99-87177

**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	Larynx
* Lung	* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Pancreas
* Parathyroid Gland	* Pituitary Gland	* Prostate	* Salivary Glands
* Seminal Vesicle	Skeletal Muscle	* Skin	* Spleen
* Stomach, Forestomach	* Stomach, Glandular	* Testes	* Thymus
* Thyroid Gland	* Trachea	* Urinary Bladder	

**MISSING**

\* Mammary Gland

**OBSERVATIONS**

* Adrenal Cortex		Cytoplasmic Alteration	Focal, Minimal
* Kidney		Nephropathy	Minimal
* Liver	Hepatocyte	Cytomegaly	Mild
		Hepatocellular Carcinoma	
		Infiltration Cellular	Mixed Cell, Minimal
	Hepatocyte	Karyomegaly	Mild
	Hepatocyte	Vacuolization Cytoplasmic	Diffuse, Minimal
[ Hepatocellular Carcinoma TGLS = 2-21 ]			
* Nose	Respirat Epith	Cytoplasmic Alteration	Mild
* Preputial Gland		Degeneration	Cystic, Moderate
[ Degeneration TGLS = 1-8 ]			

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE



**Experiment Number:** 93023-07  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** 2,4-Hexadienal  
**CAS Number:** 142-83-6

**Date Report Requested:** 10/20/2014  
**Time Report Requested:** 13:41:49  
**First Dose M/F:** NA / NA  
**Lab:** SRI

**ANIMAL ID:** 182

**TRT#:** 7

**SEX:** Male

**DAY ON TEST:** 239

**DOSE:** 120 MG/KG/DY

**DISP:** Natural Death

**HISTO:** 98-82771

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Brain	* Esophagus	* Heart	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Islets, Pancreatic	* Kidney
* 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**

* Gallbladder	* Mammary Gland
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**AUTO PRECLUDES DIAG.**

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

* Epididymis [ Hemorrhage TGLS = 2-7-1 ]		Hemorrhage	Mild
* Liver [ Congestion TGLS = 5-6, 5-6-1 ]		Congestion	Focal, Mild
* Lung [ Congestion TGLS = 6-2 ]		Congestion	Mild
Mesentery [ Hemorrhage TGLS = 1-21 ]		Hemorrhage	Mild
* Nose	Respirat Epith	Cytoplasmic Alteration Inflammation	Moderate Suppurative, Minimal
* Spleen [ Depletion Cellular TGLS = 4-6 ]		Depletion Cellular	Moderate

**PRIMARY CAUSE OF DEATH**

- UNCERTAIN

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 93023-07  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** 2,4-Hexadienal  
**CAS Number:** 142-83-6

**Date Report Requested:** 10/20/2014  
**Time Report Requested:** 13:41:49  
**First Dose M/F:** NA / NA  
**Lab:** SRI

**ANIMAL ID:** 183

**TRT#:** 7

**SEX:** Male

**DAY ON TEST:** 729

**DOSE:** 120 MG/KG/DY

**DISP:** Terminal Sacrifice

**HISTO:** 99-87178

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

* Adrenal Cortex	* 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, Mandibular	* Lymph Node, Mesenteric	* 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**

* Kidney		Nephropathy	Mild
* Liver		Hepatocellular Adenoma	Multiple
	Hepatocyte	Vacuolization Cytoplasmic	Focal, Mild
	Hepatocyte, Midzonal	Vacuolization Cytoplasmic	Moderate
	[ Hepatocellular Adenoma TGLS = 1-21, 2-22, 5-21 ]		
* Lung		Alveolar/Bronchiolar Adenoma	
		Alveolar/Bronchiolar Carcinoma	
	[ Alveolar/Bronchiolar Adenoma TGLS = 4-23 ]		
	[ Alveolar/Bronchiolar Carcinoma TGLS = 3-23 ]		
* Nose	Olfactory Epi	Cytoplasmic Alteration	Minimal
	Respirat Epith	Cytoplasmic Alteration	Minimal
* Stomach, Forestomach	Epithelium	Hyperplasia	Squamous, Mild
		Inflammation	Focal, Mild
		Ulcer	Mild
	[ Hyperplasia TGLS = 6-24 ]		
* Thymus		Cyst	Minimal
Tooth		Malformation	Moderate

**PRIMARY CAUSE OF DEATH** -

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 93023-07  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** 2,4-Hexadienal  
**CAS Number:** 142-83-6

**Date Report Requested:** 10/20/2014  
**Time Report Requested:** 13:41:49  
**First Dose M/F:** NA / NA  
**Lab:** SRI

**ANIMAL ID:** 184

**TRT#:** 7

**SEX:** Male

**DAY ON TEST:** 606

**DOSE:** 120 MG/KG/DY

**DISP:** Moribund Sacrifice

**HISTO:** 99-86169

**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	* Islets, Pancreatic	* Lymph Node, Mandibular	* 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                      \* Thymus

**OBSERVATIONS**

* Adrenal Cortex	Subcapsular	Hyperplasia	Focal, Minimal
* Heart		Inflammation	Chronic, Focal, Mild
[ Inflammation TGLS = 3-5 ]			
* Kidney		Nephropathy	Mild
* Liver	Hepatocyte	Eosinophilic Focus	Minimal
* Lung		Alveolar/Bronchiolar Carcinoma	
[ Alveolar/Bronchiolar Carcinoma TGLS = 2-2 ]		Hyperplasia	Histiocytic, Moderate
Mesentery	Fat	Necrosis	Moderate
[ Necrosis TGLS = 1-21 ]			
* Nose	Respirat Epith	Cytoplasmic Alteration	Minimal
* Spleen		Hematopoietic Cell Proliferation	Moderate
* Stomach, Forestomach	Epithelium	Hyperplasia	Squamous, Mild
[ Hyperplasia TGLS = 4-4 ]			

**PRIMARY CAUSE OF DEATH**                      - Lung    Alveolar/Bronchiolar Carcinoma

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 93023-07  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** 2,4-Hexadienal  
**CAS Number:** 142-83-6

**Date Report Requested:** 10/20/2014  
**Time Report Requested:** 13:41:49  
**First Dose M/F:** NA / NA  
**Lab:** SRI

**ANIMAL ID:** 185

**TRT#:** 7

**SEX:** Male

**DAY ON TEST:** 729

**DOSE:** 120 MG/KG/DY

**DISP:** Terminal Sacrifice

**HISTO:** 99-87179

**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	* Pancreas	* Parathyroid Gland
* Preputial Gland	* Prostate	* Salivary Glands	* Seminal Vesicle
* Skin	* Testes	* Thymus	* Thyroid Gland
* Trachea	* Urinary Bladder		

**MISSING**

\* Mammary Gland

**OBSERVATIONS**

* Adrenal Cortex		Accessory Adrenal Cortical Nodule	Minimal
		Cytoplasmic Alteration	Focal, Minimal
* Kidney	Renal Tubule	Hyperplasia	Focal, Mild
		Nephropathy	Mild
* Liver		Hepatocellular Adenoma	
		Infiltration Cellular	Mixed Cell, Minimal
	Hepatocyte	Mixed Cell Focus	Minimal
	[ Hepatocellular Adenoma TGLS = 2-22 ]		
	[ Mixed Cell Focus TGLS = 3-23 ]		
Mesentery	Fat	Necrosis	Moderate
	[ Necrosis TGLS = 1-21 ]		
* Nose	Olfactory Epi	Cytoplasmic Alteration	Minimal
	Respirat Epith	Cytoplasmic Alteration	Mild
* Pituitary Gland	Pars Distalis	Cyst	Mild
* Spleen		Hematopoietic Cell Proliferation	Mild
* Stomach, Forestomach	Epithelium	Hyperplasia	Squamous, Mild
		Squamous Cell Papilloma	
	[ Squamous Cell Papilloma TGLS = 4-4.1 ]		
* Stomach, Glandular	Glands	Degeneration	Cystic, Focal, Mild

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 93023-07  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** 2,4-Hexadienal  
**CAS Number:** 142-83-6

**Date Report Requested:** 10/20/2014  
**Time Report Requested:** 13:41:49  
**First Dose M/F:** NA / NA  
**Lab:** SRI

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**ANIMAL ID:** 185

**TRT#:** 7

**SEX:** Male

**DAY ON TEST:** 729

**DOSE:** 120 MG/KG/DY

**DISP:** Terminal Sacrifice

**HISTO:** 99-87179

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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Tooth

Peridont Tiss

Inflammation

Chronic, Mild

Malformation

Moderate

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PRIMARY CAUSE OF DEATH

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 93023-07  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** 2,4-Hexadienal  
**CAS Number:** 142-83-6

**Date Report Requested:** 10/20/2014  
**Time Report Requested:** 13:41:49  
**First Dose M/F:** NA / NA  
**Lab:** SRI

**ANIMAL ID:** 186

**TRT#:** 7

**SEX:** Male

**DAY ON TEST:** 729

**DOSE:** 120 MG/KG/DY

**DISP:** Terminal Sacrifice

**HISTO:** 99-87180

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

* Adrenal Cortex	* 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	* Pancreas
* Parathyroid Gland	* Pituitary Gland	* Preputial Gland	* Prostate
* Salivary Glands	* Seminal Vesicle	* Skin	* Stomach, Forestomach
* Stomach, Glandular	* Thymus	* Thyroid Gland	* Trachea
* Urinary Bladder			

**MISSING**

\* Mammary Gland

**OBSERVATIONS**

* Kidney		Nephropathy	Mild
* Liver		Hepatocellular Carcinoma	Multiple
		Infiltration Cellular	Mixed Cell, Minimal
	Hepatocyte	Mixed Cell Focus	Mild
	Hepatocyte	Necrosis	Focal, Minimal
	[ Hepatocellular Carcinoma TGLS = 3-22, 4-23 ]		
Mesentery	Fat	Necrosis	Moderate
	[ Necrosis TGLS = 2-21 ]		
* Nose	Olfactory Epi	Cytoplasmic Alteration	Mild
	Respirat Epith	Cytoplasmic Alteration	Mild
* Spleen		Hematopoietic Cell Proliferation	Mild
* Testes	Interstit Cell	Adenoma	
	[ Adenoma TGLS = 1-7 ]		
Tooth		Malformation	Moderate

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE



**Experiment Number:** 93023-07  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** 2,4-Hexadienal  
**CAS Number:** 142-83-6

**Date Report Requested:** 10/20/2014  
**Time Report Requested:** 13:41:49  
**First Dose M/F:** NA / NA  
**Lab:** SRI

**ANIMAL ID:** 188

**TRT#:** 7

**SEX:** Male

**DAY ON TEST:** 729

**DOSE:** 120 MG/KG/DY

**DISP:** Terminal Sacrifice

**HISTO:** 99-87182

**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	* Pancreas	* Pituitary Gland
* Preputial Gland	* Prostate	* Salivary Glands	* Seminal Vesicle
* Skin	* Stomach, Glandular	* Thymus	* Thyroid Gland
* Trachea	* Urinary Bladder		

**MISSING**

* Mammary Gland	* Parathyroid Gland	* Spleen
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**OBSERVATIONS**

* Adrenal Cortex		Cytoplasmic Alteration	Focal, Mild
* Kidney		Nephropathy	Mild
* Liver		Hepatocellular Adenoma	
		Infiltration Cellular	Mixed Cell, Minimal
[ Hepatocellular Adenoma TGLS = 3-21 ]			
* Nose	Respirat Epith	Cytoplasmic Alteration	Moderate
		Inflammation	Suppurative, Minimal
* Stomach, Forestomach	Epithelium	Hyperplasia	Squamous, Minimal
* Testes	Interstit Cell	Adenoma	
[ Adenoma TGLS = 1-7 ]			
Tooth	Peridont Tiss	Inflammation	Chronic, Marked

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE



**Experiment Number:** 93023-07  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** 2,4-Hexadienal  
**CAS Number:** 142-83-6

**Date Report Requested:** 10/20/2014  
**Time Report Requested:** 13:41:49  
**First Dose M/F:** NA / NA  
**Lab:** SRI

**ANIMAL ID:** 189

**TRT#:** 7

**SEX:** Male

**DAY ON TEST:** 504

**DOSE:** 120 MG/KG/DY

**DISP:** Moribund Sacrifice

**HISTO:** 98-85141

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Brain	* Epididymis	* Esophagus	* 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	* 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**

\* Gallbladder

**OBSERVATIONS**

* Liver		Congestion Hemorrhage Hepatoblastoma	Focal, Mild Focal, Moderate
			[ Congestion TGLS = 3-22 ] [ Hemorrhage TGLS = 3-22 ] [ Hepatoblastoma TGLS = 4-23 ]
* Lung	Lymphatic, Mediastinum	Alveolar/Bronchiolar Carcinoma Alveolar/Bronchiolar Carcinoma Hyperplasia	Metastatic (Lung) Histiocytic, Moderate
			[ Alveolar/Bronchiolar Carcinoma TGLS = 1-21 ] [ Alveolar/Bronchiolar Carcinoma TGLS = 2-2 ]
Lymph Node	Bronchial	Alveolar/Bronchiolar Carcinoma	Metastatic (Lung)
			[ Alveolar/Bronchiolar Carcinoma TGLS = 1-21 ]
* Nose	Respirat Epith	Cytoplasmic Alteration Inflammation	Minimal Suppurative, Minimal
Tooth		Malformation	Minimal

**PRIMARY CAUSE OF DEATH** - Lung Alveolar/Bronchiolar Carcinoma

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 93023-07  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** 2,4-Hexadienal  
**CAS Number:** 142-83-6

**Date Report Requested:** 10/20/2014  
**Time Report Requested:** 13:41:49  
**First Dose M/F:** NA / NA  
**Lab:** SRI

**ANIMAL ID:** 190

**TRT#:** 7

**SEX:** Male

**DAY ON TEST:** 731

**DOSE:** 120 MG/KG/DY

**DISP:** Terminal Sacrifice

**HISTO:** 99-87183

**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
* Prostate	* Salivary Glands	* Seminal Vesicle	* Skin
* Testes	* Thyroid Gland	* Trachea	* Urinary Bladder

**MISSING**

\* Mammary Gland

**OBSERVATIONS**

* Adrenal Cortex		Cytoplasmic Alteration	Focal, Mild
* Kidney		Nephropathy	Mild
* Liver		Hepatocellular Carcinoma	Multiple
		Infiltration Cellular	Mixed Cell, Minimal
[ Hepatocellular Carcinoma TGLS = 2-6 ]			
* Lung		Hepatocellular Carcinoma	Metastatic (Liver)
* Lymph Node, Mandibular		Hyperplasia	Plasma Cell, Mild
		Hyperplasia	Lymphoid, Moderate
Mesentery	Fat	Necrosis	Moderate
[ Necrosis TGLS = 1-21 ]			
* Nose	Olfactory Epi	Cytoplasmic Alteration	Mild
	Respirat Epith	Cytoplasmic Alteration	Moderate
* Spleen		Hematopoietic Cell Proliferation	Moderate
* Stomach, Forestomach	Epithelium	Hyperplasia	Squamous, Mild
		Ulcer	Mild
[ Hyperplasia TGLS = 4-23 ]			
[ Ulcer TGLS = 4-23 ]			
* Stomach, Glandular	Glands	Degeneration	Cystic, Focal, Mild
* Thymus		Cyst	Mild
Tooth	Peridont Tiss	Inflammation	Chronic, Mild

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 93023-07  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** 2,4-Hexadienal  
**CAS Number:** 142-83-6

**Date Report Requested:** 10/20/2014  
**Time Report Requested:** 13:41:49  
**First Dose M/F:** NA / NA  
**Lab:** SRI

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**ANIMAL ID:** 190

**TRT#:** 7

**SEX:** Male

**DAY ON TEST:** 731

**DOSE:** 120 MG/KG/DY

**DISP:** Terminal Sacrifice

**HISTO:** 99-87183

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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PRIMARY CAUSE OF DEATH

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 93023-07  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** 2,4-Hexadienal  
**CAS Number:** 142-83-6

**Date Report Requested:** 10/20/2014  
**Time Report Requested:** 13:41:49  
**First Dose M/F:** NA / NA  
**Lab:** SRI

**ANIMAL ID:** 191

**TRT#:** 7

**SEX:** Male

**DAY ON TEST:** 729

**DOSE:** 120 MG/KG/DY

**DISP:** Terminal Sacrifice

**HISTO:** 99-87184

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

* Adrenal Cortex	* 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, Mandibular	* Lymph Node, Mesenteric	* Pancreas	* Parathyroid Gland
* Pituitary Gland	* Prostate	* Salivary Glands	* Seminal Vesicle
* Skin	* Stomach, Forestomach	* Stomach, Glandular	* Testes
* Thymus	* Trachea	* Urinary Bladder	

**MISSING**

\* Mammary Gland

**OBSERVATIONS**

* Kidney		Nephropathy	Minimal
* Liver		Hepatocellular Adenoma	Multiple
		Infiltration Cellular	Mixed Cell, Minimal
		Mixed Cell Focus	
	Hepatocyte	Vacuolization Cytoplasmic	Focal, Mild
	Hepatocyte	Vacuolization Cytoplasmic	Diffuse, Moderate
	[ Hepatocellular Adenoma TGLS = 3-6, 5-23 ]		
	[ Mixed Cell Focus TGLS = 4-22 ]		
	[ Vacuolization Cytoplasmic TGLS = 3-6, 4-22 ]		
* Lung		Alveolar/Bronchiolar Carcinoma	
		Hyperplasia	Histiocytic, Mild
	[ Alveolar/Bronchiolar Carcinoma TGLS = 6-2 ]		
Mesentery	Fat	Necrosis	Moderate
	[ Necrosis TGLS = 2-21 ]		
* Nose	Respirat Epith	Cytoplasmic Alteration	Moderate
		Inflammation	Suppurative, Mild
* Preputial Gland		Degeneration	Cystic, Moderate
	[ Degeneration TGLS = 1-8 ]		
* Spleen		Hematopoietic Cell Proliferation	Mild

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 93023-07  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** 2,4-Hexadienal  
**CAS Number:** 142-83-6

**Date Report Requested:** 10/20/2014  
**Time Report Requested:** 13:41:49  
**First Dose M/F:** NA / NA  
**Lab:** SRI

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**ANIMAL ID:** 191

**TRT#:** 7

**SEX:** Male

**DAY ON TEST:** 729

**DOSE:** 120 MG/KG/DY

**DISP:** Terminal Sacrifice

**HISTO:** 99-87184

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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\* Thyroid Gland

Degeneration

Cystic, Focal, Minimal

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PRIMARY CAUSE OF DEATH

-

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 93023-07  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** 2,4-Hexadienal  
**CAS Number:** 142-83-6

**Date Report Requested:** 10/20/2014  
**Time Report Requested:** 13:41:49  
**First Dose M/F:** NA / NA  
**Lab:** SRI

**ANIMAL ID:** 192

**TRT#:** 7

**SEX:** Male

**DAY ON TEST:** 729

**DOSE:** 120 MG/KG/DY

**DISP:** Terminal Sacrifice

**HISTO:** 99-87185

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Brain	* Epididymis	* Esophagus	* 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	* Pancreas	* Parathyroid Gland
* Pituitary Gland	* Prostate	* Salivary Glands	* Seminal Vesicle
* Skin	* Spleen	* Stomach, Glandular	* Testes
* Thymus	* Thyroid Gland	* Trachea	* Urinary Bladder

**MISSING**

\* Mammary Gland

**INSUFFICIENT TISSUE**

\* Gallbladder

**OBSERVATIONS**

* Adren Cortex			
Note: One adrenal gland is missing.			
* Kidney		Nephropathy	Mild
* Liver		Clear Cell Focus	
		Infiltration Cellular	Mixed Cell, Minimal
		Inflammation	Chronic, Moderate
Mesentery	Fat	Necrosis	Moderate
[ Inflammation TGLS = 3-22 ]			
[ Necrosis TGLS = 2-21, 3-22 ]			
* Nose	Olfactory Epi	Cytoplasmic Alteration	Mild
	Respirat Epith	Cytoplasmic Alteration	Mild
		Inflammation	Suppurative, Minimal
* Preputial Gland		Degeneration	Cystic, Moderate
[ Degeneration TGLS = 1-8 ]			
* Stomach, Forestomach	Epithelium	Hyperplasia	Squamous, Minimal

**PRIMARY CAUSE OF DEATH**

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 93023-07  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** 2,4-Hexadienal  
**CAS Number:** 142-83-6

**Date Report Requested:** 10/20/2014  
**Time Report Requested:** 13:41:49  
**First Dose M/F:** NA / NA  
**Lab:** SRI

**ANIMAL ID:** 193

**TRT#:** 7

**SEX:** Male

**DAY ON TEST:** 731

**DOSE:** 120 MG/KG/DY

**DISP:** Terminal Sacrifice

**HISTO:** 99-87186

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

* Adrenal Cortex	* 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	* Islets, Pancreatic	* Lung
* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Pancreas	* Preputial Gland
* Prostate	* Salivary Glands	* Seminal Vesicle	* Skin
* Stomach, Glandular	* Testes	* Thyroid Gland	* Trachea
* Urinary Bladder			

**MISSING**

* Mammary Gland	* Parathyroid Gland	* Pituitary Gland
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**OBSERVATIONS**

* Adren Cortex			
Note: One adrenal gland is missing.			
* Intestine Small, Jejunum		Carcinoma	
[ Carcinoma TGLS = 1-21 ]			
* Kidney		Cyst	Mild
	Renal Tubule	Hyperplasia	Focal, Minimal
		Nephropathy	Minimal
* Liver		Hepatocellular Adenoma	
		Infiltration Cellular	Mixed Cell, Minimal
	Hepatocyte	Vacuolization Cytoplasmic	Diffuse, Minimal
[ Hepatocellular Adenoma TGLS = 2-6 ]			
* Nose	Olfactory Epi	Cytoplasmic Alteration	Mild
	Respirat Epith	Cytoplasmic Alteration	Mild
		Inflammation	Suppurative, Mild
* Spleen		Hematopoietic Cell Proliferation	Moderate
* Stomach, Forestomach		Squamous Cell Papilloma	
[ Squamous Cell Papilloma TGLS = 3-4-1 ]			
* Thymus		Cyst	Mild

PRIMARY CAUSE OF DEATH -

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 93023-07  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** 2,4-Hexadienal  
**CAS Number:** 142-83-6

**Date Report Requested:** 10/20/2014  
**Time Report Requested:** 13:41:49  
**First Dose M/F:** NA / NA  
**Lab:** SRI

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**ANIMAL ID:** 193

**TRT#:** 7

**SEX:** Male

**DAY ON TEST:** 731

**DOSE:** 120 MG/KG/DY

**DISP:** Terminal Sacrifice

**HISTO:** 99-87186

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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\* PROTOCOL REQUIRED TISSUE



**Experiment Number:** 93023-07  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** 2,4-Hexadienal  
**CAS Number:** 142-83-6

**Date Report Requested:** 10/20/2014  
**Time Report Requested:** 13:41:50  
**First Dose M/F:** NA / NA  
**Lab:** SRI

**ANIMAL ID:** 194

**TRT#:** 7

**SEX:** Male

**DAY ON TEST:** 729

**DOSE:** 120 MG/KG/DY

**DISP:** Terminal Sacrifice

**HISTO:** 99-87187

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

* Adrenal Cortex	* 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	* Pancreas
* Parathyroid Gland	* Pituitary Gland	* Preputial Gland	* Prostate
* Salivary Glands	* Skin	* Spleen	* Stomach, Forestomach
* Stomach, Glandular	* Testes	* Thymus	* Trachea
* Urinary Bladder			

**MISSING**

\* Mammary Gland

**OBSERVATIONS**

Coagulating Gland [ Inflammation TGLS = 2-7 ]		Inflammation	Chronic, Mild
* Kidney		Nephropathy	Mild
* Liver [ Hepatocellular Adenoma TGLS = 4-21 ] [ Mixed Cell Focus TGLS = 3-6 ]		Hepatocellular Adenoma Mixed Cell Focus	Multiple
Mesentery [ Necrosis TGLS = 5-22 ]	Fat	Necrosis	Moderate
* Nose	Respirat Epith	Cytoplasmic Alteration	Moderate
* Seminal Vesicle [ Inflammation TGLS = 1-7 ]		Inflammation	Chronic, Moderate
* Thyroid Gland		Degeneration	Cystic, Focal, Minimal
Tooth	Peridont Tiss	Inflammation Malformation	Chronic, Moderate Moderate

**PRIMARY CAUSE OF DEATH**

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 93023-07  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** 2,4-Hexadienal  
**CAS Number:** 142-83-6

**Date Report Requested:** 10/20/2014  
**Time Report Requested:** 13:41:50  
**First Dose M/F:** NA / NA  
**Lab:** SRI

**ANIMAL ID:** 195

**TRT#:** 7

**SEX:** Male

**DAY ON TEST:** 730

**DOSE:** 120 MG/KG/DY

**DISP:** Terminal Sacrifice

**HISTO:** 99-87188

**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	* Pancreas	* Parathyroid Gland
* Pituitary Gland	* Prostate	* Salivary Glands	* Seminal Vesicle
* Skin	* Spleen	* Testes	* Thymus
* Thyroid Gland	* Trachea	* Urinary Bladder	

**MISSING**

\* Mammary Gland

**OBSERVATIONS**

* Adrenal Cortex	Subcapsular	Adenoma	
* Kidney		Nephropathy	Minimal
* Liver		Hepatocellular Adenoma	
		Infiltration Cellular	Mixed Cell, Minimal
[ Hepatocellular Adenoma TGLS = 3-22 ]			
Mesentery	Fat	Necrosis	Mild
[ Necrosis TGLS = 2-21 ]			
* Nose	Respirat Epith	Cytoplasmic Alteration	Moderate
* Preputial Gland		Degeneration	Cystic, Mild
[ Degeneration TGLS = 1-8 ]			
* Stomach, Forestomach	Epithelium	Hyperplasia	Squamous, Minimal
[ Hyperplasia TGLS = 4-4-1 ]			
* Stomach, Glandular		Hyperplasia	Moderate
Tooth	Peridont Tiss	Inflammation	Chronic, Moderate

PRIMARY CAUSE OF DEATH

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 93023-07  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** 2,4-Hexadienal  
**CAS Number:** 142-83-6

**Date Report Requested:** 10/20/2014  
**Time Report Requested:** 13:41:50  
**First Dose M/F:** NA / NA  
**Lab:** SRI

**ANIMAL ID:** 196      **TRT#:** 7      **SEX:** Male      **DAY ON TEST:** 729  
**DOSE:** 120 MG/KG/DY      **DISP:** Terminal Sacrifice      **HISTO:** 99-87189

**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, Mandibular
* Lymph Node, Mesenteric	* 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	Bilateral	Accessory Adrenal Cortical Nodule	Minimal
* Kidney		Cyst	Multiple, Mild
		Nephropathy	Mild
* Liver	Hepatocyte	Basophilic Focus	Mild
		Hepatocellular Adenoma	
		Infiltration Cellular	Mixed Cell, Minimal
	Hepatocyte, Midzonal	Vacuolization Cytoplasmic	Mild
	[ Basophilic Focus TGLS = 2-22 ]		
	[ Hepatocellular Adenoma TGLS = 1-21 ]		
* Lung		Alveolar/Bronchiolar Carcinoma	
	[ Alveolar/Bronchiolar Carcinoma TGLS = 3-2-1 ]		
Mesentery	Fat	Necrosis	Mild
	[ Necrosis TGLS = 4-23 ]		
* Nose	Olfactory Epi	Cytoplasmic Alteration	Minimal
	Respirat Epith	Cytoplasmic Alteration	Mild
* Testes		Mineralization	Minimal
* Thymus		Cyst	Minimal

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 93023-07  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** 2,4-Hexadienal  
**CAS Number:** 142-83-6

**Date Report Requested:** 10/20/2014  
**Time Report Requested:** 13:41:50  
**First Dose M/F:** NA / NA  
**Lab:** SRI

**ANIMAL ID:** 197

**TRT#:** 7

**SEX:** Male

**DAY ON TEST:** 730

**DOSE:** 120 MG/KG/DY

**DISP:** Terminal Sacrifice

**HISTO:** 99-87190

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

* Adrenal Cortex	* 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, Mandibular	* Lymph Node, Mesenteric	* 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**

* Kidney		Nephropathy	Mild
* Liver		Hepatocellular Carcinoma	
		Infiltration Cellular	Mixed Cell, Minimal
	Hepatocyte	Mixed Cell Focus	Multiple, Mild
	Hepatocyte	Necrosis	Focal, Mild
	[ Hepatocellular Carcinoma TGLS = 2-21 ]		
* Lung		Hepatocellular Carcinoma	Metastatic (Liver)
* Nose	Respirat Epith	Cytoplasmic Alteration	Mild
* Spleen		Hematopoietic Cell Proliferation	Moderate
* Stomach, Forestomach	Epithelium	Hyperplasia	Squamous, Mild
		Inflammation	Focal, Minimal
	[ Hyperplasia TGLS = 1-4-1 ]		
Tooth	Peridont Tiss	Inflammation	Chronic, Moderate

**PRIMARY CAUSE OF DEATH**

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 93023-07  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** 2,4-Hexadienal  
**CAS Number:** 142-83-6

**Date Report Requested:** 10/20/2014  
**Time Report Requested:** 13:41:50  
**First Dose M/F:** NA / NA  
**Lab:** SRI

**ANIMAL ID:** 198

**TRT#:** 7

**SEX:** Male

**DAY ON TEST:** 690

**DOSE:** 120 MG/KG/DY

**DISP:** Moribund Sacrifice

**HISTO:** 99-86612

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

* Adrenal Cortex	* 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	* Lung	* Lymph Node, Mandibular
* Lymph Node, Mesenteric	* Pancreas	* Parathyroid Gland	* Pituitary Gland
* Prostate	* Salivary Glands	* Seminal Vesicle	* Skin
* Spleen	* Stomach, Glandular	* Testes	* Thymus
* Thyroid Gland	* Trachea	* Urinary Bladder	

**MISSING**

\* Mammary Gland

**OBSERVATIONS**

* Heart		Infiltration Cellular	Mixed Cell, Mild
* Islets, Pancreatic		Hyperplasia	Moderate
* Kidney	Renal Tubule	Accumulation, Hyaline Droplet	Moderate
	Renal Tubule	Hyperplasia	Focal, Minimal
		Infiltration Cellular	Mixed Cell, Focal, Mild
		Nephropathy	Mild
* Liver		Hepatocellular Adenoma	Multiple
		[ Hepatocellular Adenoma TGLS = 3-22 ]	
Mesentery	Fat	Necrosis	Moderate
		[ Necrosis TGLS = 2-21 ]	
* Nose	Respirat Epith	Cytoplasmic Alteration	Mild
* Preputial Gland		Degeneration	Cystic, Moderate
		[ Degeneration TGLS = 1-8-1 ]	
* Stomach, Forestomach	Epithelium	Hyperplasia	Squamous, Mild
		Ulcer	Mild
		[ Hyperplasia TGLS = 4-4.1 ]	
		[ Ulcer TGLS = 4-4.1 ]	
Tooth		Malformation	Moderate

**PRIMARY CAUSE OF DEATH** - Liver Hepatocellular Adenoma

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 93023-07  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** 2,4-Hexadienal  
**CAS Number:** 142-83-6

**Date Report Requested:** 10/20/2014  
**Time Report Requested:** 13:41:50  
**First Dose M/F:** NA / NA  
**Lab:** SRI

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**ANIMAL ID:** 198

**TRT#:** 7

**SEX:** Male

**DAY ON TEST:** 690

**DOSE:** 120 MG/KG/DY

**DISP:** Moribund Sacrifice

**HISTO:** 99-86612

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 93023-07  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** 2,4-Hexadienal  
**CAS Number:** 142-83-6

**Date Report Requested:** 10/20/2014  
**Time Report Requested:** 13:41:50  
**First Dose M/F:** NA / NA  
**Lab:** SRI

**ANIMAL ID:** 199

**TRT#:** 7

**SEX:** Male

**DAY ON TEST:** 730

**DOSE:** 120 MG/KG/DY

**DISP:** Terminal Sacrifice

**HISTO:** 99-87191

**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
* Islets, Pancreatic	* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* 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		Accessory Adrenal Cortical Nodule	Mild
	Subcapsular	Hyperplasia	Focal, Minimal
* Heart	Valve	Hemorrhage	Focal, Mild
	Valve	Inflammation	Chronic, Focal, Mild
* Intestine Small, Jejunum		Carcinoma	
[ Carcinoma TGLS = 4-24 ]			
* Kidney		Nephropathy	Mild
* Liver		Hepatoblastoma	
		Hepatocellular Adenoma	Multiple
		Infiltration Cellular	Mixed Cell, Minimal
[ Hepatoblastoma TGLS = 1-21 ]			
[ Hepatocellular Adenoma TGLS = 2-22, 3-23 ]			
* Lung		Alveolar/Bronchiolar Adenoma	
		Hepatoblastoma	Metastatic (Liver)
* Nose	Olfactory Epi	Cytoplasmic Alteration	Mild
	Respirat Epith	Cytoplasmic Alteration	Mild
* Stomach, Forestomach	Epithelium	Hyperplasia	Squamous, Minimal
* Thymus		Cyst	Mild
Tooth		Malformation	Mild

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 93023-07  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** 2,4-Hexadienal  
**CAS Number:** 142-83-6

**Date Report Requested:** 10/20/2014  
**Time Report Requested:** 13:41:50  
**First Dose M/F:** NA / NA  
**Lab:** SRI

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**ANIMAL ID:** 199

**TRT#:** 7

**SEX:** Male

**DAY ON TEST:** 730

**DOSE:** 120 MG/KG/DY

**DISP:** Terminal Sacrifice

**HISTO:** 99-87191

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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PRIMARY CAUSE OF DEATH

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\* PROTOCOL REQUIRED TISSUE



**Experiment Number:** 93023-07  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** 2,4-Hexadienal  
**CAS Number:** 142-83-6

**Date Report Requested:** 10/20/2014  
**Time Report Requested:** 13:41:50  
**First Dose M/F:** NA / NA  
**Lab:** SRI

**ANIMAL ID:** 200

**TRT#:** 7

**SEX:** Male

**DAY ON TEST:** 732

**DOSE:** 120 MG/KG/DY

**DISP:** Terminal Sacrifice

**HISTO:** 99-87192

**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	* 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	Focal, Minimal
* Kidney		Nephropathy	Minimal
* Liver		Hepatocellular Adenoma	
		Hepatocellular Carcinoma	
		Infiltration Cellular	Mixed Cell, Minimal
	Hepatocyte	Mixed Cell Focus	Mild
	Hepatocyte	Vacuolization Cytoplasmic	Focal, Mild
	Hepatocyte, Midzonal	Vacuolization Cytoplasmic	Minimal
	[ Hepatocellular Adenoma TGLS = 2-22 ]		
	[ Hepatocellular Carcinoma TGLS = 3-23 ]		
	[ Mixed Cell Focus TGLS = 6-26 ]		
	[ Vacuolization Cytoplasmic TGLS = 5-25 ]		
Mesentery	Fat	Necrosis	Mild
	[ Necrosis TGLS = 1-21 ]		
* Nose	Olfactory Epi	Cytoplasmic Alteration	Minimal
	Respirat Epith	Cytoplasmic Alteration	Mild
* Spleen		Hematopoietic Cell Proliferation	Mild
* Stomach, Forestomach	Epithelium	Hyperplasia	Squamous, Minimal
		Inflammation	Focal, Mild

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 93023-07  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** 2,4-Hexadienal  
**CAS Number:** 142-83-6

**Date Report Requested:** 10/20/2014  
**Time Report Requested:** 13:41:50  
**First Dose M/F:** NA / NA  
**Lab:** SRI

---

**ANIMAL ID:** 200

**TRT#:** 7

**SEX:** Male

**DAY ON TEST:** 732

**DOSE:** 120 MG/KG/DY

**DISP:** Terminal Sacrifice

**HISTO:** 99-87192

---

**ORGAN AND ACCOUNTABLE SITE STATUS**

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\* Thymus

Cyst

Minimal

Tooth

Peridont Tiss

Inflammation

Chronic, Mild

---

PRIMARY CAUSE OF DEATH

-

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 93023-07  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** 2,4-Hexadienal  
**CAS Number:** 142-83-6

**Date Report Requested:** 10/20/2014  
**Time Report Requested:** 13:41:50  
**First Dose M/F:** NA / NA  
**Lab:** SRI

---

<b>ANIMAL ID:</b> 201	<b>TRT#:</b> 2	<b>SEX:</b> Female	<b>DAY ON TEST:</b> 733
	<b>DOSE:</b> 0 MG/KG/DY	<b>DISP:</b> Terminal Sacrifice	<b>HISTO:</b> 99-87144

---

**ORGAN AND ACCOUNTABLE SITE STATUS**

---

**NORMAL**

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Brain	* Clitoral Gland		

---

**OBSERVATIONS**

* Intestine Small, Duodenum Note: Duodenal lesion is adjacent to pylorus, on slide 4.		Polyp Adenomatous	
* Kidney		Nephropathy	Minimal
* Liver		Infiltration Cellular	Mixed Cell, Minimal
* Nose	Respirat Epith	Cytoplasmic Alteration	Minimal
* Skin [ Hemangiosarcoma TGLS = 1-21 ]	Subcut Tiss	Hemangiosarcoma	
* Spleen		Hematopoietic Cell Proliferation	Moderate
* Uterus [ Hydrometra TGLS = 2-7 ]		Hydrometra	Moderate

---

PRIMARY CAUSE OF DEATH

-

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 93023-07  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** 2,4-Hexadienal  
**CAS Number:** 142-83-6

**Date Report Requested:** 10/20/2014  
**Time Report Requested:** 13:41:50  
**First Dose M/F:** NA / NA  
**Lab:** SRI

---

<b>ANIMAL ID:</b> 202	<b>TRT#:</b> 2	<b>SEX:</b> Female	<b>DAY ON TEST:</b> 609
	<b>DOSE:</b> 0 MG/KG/DY	<b>DISP:</b> Natural Death	<b>HISTO:</b> 99-86209

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**ORGAN AND ACCOUNTABLE SITE STATUS**

---

**NORMAL**

* Adrenal Cortex	* 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	* Islets, Pancreatic	* Kidney
* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Mammary Gland	* Ovary
* Pancreas	* Parathyroid Gland	* Pituitary Gland	* Salivary Glands
* Skin	* Spleen	* Stomach, Forestomach	* Stomach, Glandular
* Thymus	* Thyroid Gland	* Trachea	* Urinary Bladder

---

**MISSING**

\* Clitoral Gland

---

**OBSERVATIONS**

* Liver	Hepatocyte Hepatocyte, Midzonal	Hepatocellular Carcinoma Vacuolization Cytoplasmic Vacuolization Cytoplasmic	Focal, Mild Mild
[ Hepatocellular Carcinoma TGLS = 1-21 ]			
* Lung	Fat	Thrombosis Necrosis	Mild Moderate
Mesentery			
[ Necrosis TGLS = 2-22 ]			
* Nose	Respirat Epith	Cytoplasmic Alteration	Moderate
* Uterus		Hydrometra	Marked
[ Hydrometra TGLS = 3-7 ]			

---

PRIMARY CAUSE OF DEATH

-

CONTRIBUTORY CAUSE OF DEATH

- Liver Hepatocellular Carcinoma

---

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 93023-07  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** 2,4-Hexadienal  
**CAS Number:** 142-83-6

**Date Report Requested:** 10/20/2014  
**Time Report Requested:** 13:41:50  
**First Dose M/F:** NA / NA  
**Lab:** SRI

---

<b>ANIMAL ID:</b> 203	<b>TRT#:</b> 2	<b>SEX:</b> Female	<b>DAY ON TEST:</b> 733
	<b>DOSE:</b> 0 MG/KG/DY	<b>DISP:</b> Terminal Sacrifice	<b>HISTO:</b> 99-87145

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**ORGAN AND ACCOUNTABLE SITE STATUS**

---

**NORMAL**

* Adrenal Cortex	* 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
* Lung	* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Ovary
* Pancreas	* Parathyroid Gland	* Pituitary Gland	* Salivary Glands
* Skin	* Spleen	* Stomach, Forestomach	* Stomach, Glandular
* Thymus	* Thyroid Gland	* Trachea	* Urinary Bladder

---

**OBSERVATIONS**

* Kidney		Metaplasia	Osseous, Focal, Minimal
* Liver		Infiltration Cellular	Mixed Cell, Minimal
	Hepatocyte, Periportal	Vacuolization Cytoplasmic	Mild
* Mammary Gland		Carcinoma	
[ Carcinoma TGLS = 1-21 ]			
* Nose	Respirat Epith	Cytoplasmic Alteration	Moderate
* Uterus	Endometrium	Hyperplasia	Cystic, Moderate
[ Hyperplasia TGLS = 2-7 ]			

---

**PRIMARY CAUSE OF DEATH** -

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 93023-07  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** 2,4-Hexadienal  
**CAS Number:** 142-83-6

**Date Report Requested:** 10/20/2014  
**Time Report Requested:** 13:41:50  
**First Dose M/F:** NA / NA  
**Lab:** SRI

**ANIMAL ID:** 204

**TRT#:** 2

**SEX:** Female

**DAY ON TEST:** 733

**DOSE:** 0 MG/KG/DY

**DISP:** Terminal Sacrifice

**HISTO:** 99-87146

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

* Adrenal Cortex	* 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	* Pancreas	* Parathyroid Gland	* Pituitary Gland
* Salivary Glands	* Skin	* Spleen	* Stomach, Glandular
* Thymus	* Trachea	* Urinary Bladder	

**OBSERVATIONS**

* Liver		Infiltration Cellular	Mixed Cell, Mild
Mesentery		Angiectasis	Mild
	Fat	Necrosis	Moderate
[ Necrosis TGLS = 2-21 ]			
* Nose	Respirat Epith	Cytoplasmic Alteration	Moderate
* Ovary		Hyperplasia	Tubular, Mild
* Stomach, Forestomach	Epithelium	Hyperplasia	Squamous, Mild
Note: Forestomach epithelial hyperplasia is diffusely distributed; not focal.			
* Thyroid Gland		Degeneration	Cystic, Focal, Minimal
* Uterus		Hydrometra	Moderate
	Endometrium	Hyperplasia	Cystic, Moderate
[ Hydrometra TGLS = 1-7 ]			

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 93023-07  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** 2,4-Hexadienal  
**CAS Number:** 142-83-6

**Date Report Requested:** 10/20/2014  
**Time Report Requested:** 13:41:50  
**First Dose M/F:** NA / NA  
**Lab:** SRI

**ANIMAL ID:** 205

**TRT#:** 2

**SEX:** Female

**DAY ON TEST:** 733

**DOSE:** 0 MG/KG/DY

**DISP:** Terminal Sacrifice

**HISTO:** 99-87147

**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
Oviduct	* Pancreas	* Parathyroid Gland	* Pituitary Gland
* Salivary Glands	* Stomach, Forestomach	* Stomach, Glandular	* Thymus
* Thyroid Gland	* Trachea	* Urinary Bladder	

**OBSERVATIONS**

* Adrenal Cortex		Cyst	Minimal
* Liver		Infiltration Cellular	Mixed Cell, Mild
	Hepatocyte, Midzonal	Vacuolization Cytoplasmic	Moderate
[ Vacuolization Cytoplasmic TGLS = 3-22 ]			
Mesentery	Fat	Necrosis	Moderate
[ Necrosis TGLS = 2-21 ]			
* Nose	Respirat Epith	Cytoplasmic Alteration	Moderate
		Inflammation	Suppurative, Mild
* Ovary		Hyperplasia	Cystic, Mild
* Skin	Subcut Tiss	Fibrosis	Focal, Mild
Note: Subcutaneous area of fibrosis is adjacent to salivary glands (slide 8).			
* Spleen		Hyperplasia	Histiocytic, Moderate
[ Hyperplasia TGLS = 1-6 ]			
* Uterus		Hydrometra	Marked
	Endometrium	Hyperplasia	Cystic, Moderate
[ Hydrometra TGLS = 4-7 ]			

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 93023-07  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** 2,4-Hexadienal  
**CAS Number:** 142-83-6

**Date Report Requested:** 10/20/2014  
**Time Report Requested:** 13:41:50  
**First Dose M/F:** NA / NA  
**Lab:** SRI

**ANIMAL ID:** 206

**TRT#:** 2

**SEX:** Female

**DAY ON TEST:** 734

**DOSE:** 0 MG/KG/DY

**DISP:** Terminal Sacrifice

**HISTO:** 99-87148

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

* Adrenal Cortex	* 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
* Pancreas	* Salivary Glands	* Skin	* Spleen
* Stomach, Forestomach	* Stomach, Glandular	* Thymus	* Thyroid Gland
* Trachea	* Urinary Bladder		

**MISSING**

\* Parathyroid Gland

**OBSERVATIONS**

* Liver	Hepatocyte	Infiltration Cellular Vacuolization Cytoplasmic	Mixed Cell, Minimal Diffuse, Moderate
* Mammary Gland		Ectasia	Mild
* Nose	Olfactory Epi Respirat Epith	Cytoplasmic Alteration Cytoplasmic Alteration	Moderate Minimal
* Ovary		Cyst	Moderate
* Pituitary Gland [ Adenoma TGLS = 1-1 ]	Pars Distalis	Adenoma	
* Uterus	Endometrium	Hyperplasia	Cystic, Mild

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE



**Experiment Number:** 93023-07  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** 2,4-Hexadienal  
**CAS Number:** 142-83-6

**Date Report Requested:** 10/20/2014  
**Time Report Requested:** 13:41:50  
**First Dose M/F:** NA / NA  
**Lab:** SRI

**ANIMAL ID:** 207

**TRT#:** 2

**SEX:** Female

**DAY ON TEST:** 734

**DOSE:** 0 MG/KG/DY

**DISP:** Terminal Sacrifice

**HISTO:** 99-87149

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

* Adrenal Cortex	* 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	* Ovary	* Parathyroid Gland	* Pituitary Gland
* Salivary Glands	* Skin	* Stomach, Forestomach	* Stomach, Glandular
* Thymus	* Thyroid Gland	* Trachea	* Urinary Bladder

**OBSERVATIONS**

* Liver	Hepatocyte	Infiltration Cellular	Mixed Cell, Minimal
	Mediastinal	Vacuolization Cytoplasmic	Diffuse, Mild
Lymph Node	Fat	Hyperplasia	Lymphoid, Moderate
Mesentery		Necrosis	Moderate
[ Necrosis TGLS = 1-21 ]			
* Nose	Respirat Epith	Cytoplasmic Alteration	Moderate
		Inflammation	Suppurative, Minimal
* Pancreas		Infiltration Cellular	Mixed Cell, Focal, Minimal
* Spleen		Hyperplasia	Lymphoid, Moderate
[ Hyperplasia TGLS = 4-6 ]			
* Uterus	Endometrium	Hydrometra	Moderate
		Hyperplasia	Cystic, Moderate
[ Hydrometra TGLS = 3-7 ]			
[ Hyperplasia TGLS = 2-7 ]			

**PRIMARY CAUSE OF DEATH** -

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 93023-07  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** 2,4-Hexadienal  
**CAS Number:** 142-83-6

**Date Report Requested:** 10/20/2014  
**Time Report Requested:** 13:41:50  
**First Dose M/F:** NA / NA  
**Lab:** SRI

**ANIMAL ID:** 208

**TRT#:** 2

**SEX:** Female

**DAY ON TEST:** 734

**DOSE:** 0 MG/KG/DY

**DISP:** Terminal Sacrifice

**HISTO:** 99-87150

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

* Adrenal Cortex	* 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	* Ovary	* Pancreas	* Salivary Glands
* Skin	* Stomach, Forestomach	* Stomach, Glandular	* Thymus
* Thyroid Gland	* Trachea	* Urinary Bladder	

**MISSING**

\* Parathyroid Gland

**OBSERVATIONS**

* Liver	Bile Duct	Cyst	Marked
	Bile Duct	Hepatocellular Adenoma	
	Hepatocyte	Hyperplasia	Cystic, Mild
	[ Cyst TGLS = 3-22 ]	Hyperplasia	Lymphoid, Focal, Mild
	[ Hepatocellular Adenoma TGLS = 2-21 ]	Vacuolization Cytoplasmic	Diffuse, Mild
* Nose	Olfactory Epi	Cytoplasmic Alteration	Mild
	Respirat Epith	Cytoplasmic Alteration	Moderate
* Pituitary Gland	Pars Distalis	Hyperplasia	Focal, Mild
* Spleen		Hyperplasia	Lymphoid, Mild
* Uterus		Hydrometra	Moderate
	Endometrium	Hyperplasia	Cystic, Mild
	[ Hydrometra TGLS = 1-7 ]		

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 93023-07  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** 2,4-Hexadienal  
**CAS Number:** 142-83-6

**Date Report Requested:** 10/20/2014  
**Time Report Requested:** 13:41:50  
**First Dose M/F:** NA / NA  
**Lab:** SRI

**ANIMAL ID:** 209

**TRT#:** 2

**SEX:** Female

**DAY ON TEST:** 734

**DOSE:** 0 MG/KG/DY

**DISP:** Terminal Sacrifice

**HISTO:** 99-87151

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

* Adrenal Cortex	* 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	* Mammary Gland
* Ovary	* Pancreas	* Parathyroid Gland	* Salivary Glands
* Skin	* Stomach, Forestomach	* Stomach, Glandular	* Thyroid Gland
* Trachea	* Urinary Bladder		

**OBSERVATIONS**

* Liver		Fibrosis	Focal, Moderate
	Bile Duct	Hyperplasia	Moderate
	Hepatocyte	Lymphoma Malignant	
		Vacuolization Cytoplasmic	Diffuse, Moderate
[ Fibrosis TGLS = 1-6 ]			
[ Hyperplasia TGLS = 1-6 ]			
[ Lymphoma Malignant TGLS = 1-6 ]			
Lymph Node	Mediastinal	Lymphoma Malignant	
* Lymph Node, Mesenteric		Lymphoma Malignant	
* Nose	Respirat Epith	Cytoplasmic Alteration	Mild
* Pituitary Gland	Pars Distalis	Hyperplasia	Focal, Mild
* Spleen		Lymphoma Malignant	
* Thymus		Lymphoma Malignant	
* Uterus	Endometrium	Hyperplasia	Cystic, Moderate

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 93023-07  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** 2,4-Hexadienal  
**CAS Number:** 142-83-6

**Date Report Requested:** 10/20/2014  
**Time Report Requested:** 13:41:50  
**First Dose M/F:** NA / NA  
**Lab:** SRI

**ANIMAL ID:** 210

**TRT#:** 2

**SEX:** Female

**DAY ON TEST:** 734

**DOSE:** 0 MG/KG/DY

**DISP:** Terminal Sacrifice

**HISTO:** 99-87152

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

* Adrenal Cortex	* 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	* Lung
* Lymph Node, Mandibular	* Mammary Gland	* Pancreas	* Pituitary Gland
* Salivary Glands	* Skin	* Stomach, Forestomach	* Stomach, Glandular
* Thymus	* Thyroid Gland	* Trachea	* Urinary Bladder

**MISSING**

\* Parathyroid Gland

**OBSERVATIONS**

* Bone Marrow	Myeloid Cell	Hyperplasia	Mild
* Kidney		Nephropathy	Moderate
* Liver		Hepatocellular Adenoma	
		Infiltration Cellular	Mixed Cell, Mild
		[ Hepatocellular Adenoma TGLS = 2-22 ]	
* Lymph Node, Mesenteric		Sarcoma	
		[ Sarcoma TGLS = 7-5 ]	
Mesentery	Fat	Necrosis	Moderate
		[ Necrosis TGLS = 1-21 ]	
* Nose	Olfactory Epi	Cytoplasmic Alteration	Moderate
	Respirat Epith	Cytoplasmic Alteration	Moderate
* Ovary		Cyst	Moderate
		[ Cyst TGLS = 4-7 ]	
* Spleen		Hematopoietic Cell Proliferation	Mild
* Uterus	Endometrium	Hyperplasia	Cystic, Moderate
		Sarcoma	
		[ Hyperplasia TGLS = 5-7 ]	
		[ Sarcoma TGLS = 3-23 ]	

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 93023-07  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** 2,4-Hexadienal  
**CAS Number:** 142-83-6

**Date Report Requested:** 10/20/2014  
**Time Report Requested:** 13:41:50  
**First Dose M/F:** NA / NA  
**Lab:** SRI

**ANIMAL ID:** 211

**TRT#:** 2

**SEX:** Female

**DAY ON TEST:** 538

**DOSE:** 0 MG/KG/DY

**DISP:** Natural Death

**HISTO:** 99-85341

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

* Adrenal Medulla	* Bone	* Brain	* Clitoral Gland
* Esophagus	* Mammary Gland	* Pituitary Gland	* Salivary Glands
* Thyroid Gland	* Trachea	* Urinary Bladder	

**MISSING**

\* Parathyroid Gland

**AUTO PRECLUDES DIAG.**

* Gallbladder	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Pancreas	* Spleen	* Stomach, Forestomach	* Stomach, Glandular

**INSUFFICIENT TISSUE**

\* Thymus

**OBSERVATIONS**

* Adrenal Cortex		Histiocytic Sarcoma	
* Bone Marrow		Histiocytic Sarcoma	
* Heart		Histiocytic Sarcoma	
		Mineralization	Focal, Minimal
* Kidney	Renal Tubule	Accumulation, Hyaline Droplet	Moderate
		Histiocytic Sarcoma	
* Liver		Histiocytic Sarcoma	
	Hepatocyte	Necrosis	Focal, Marked
	Hepatocyte, Midzonal	Vacuolization Cytoplasmic	Moderate
		[ Histiocytic Sarcoma TGLS = 3-6 ]	
		[ Necrosis TGLS = 3-6 ]	
		[ Vacuolization Cytoplasmic TGLS = 3-6 ]	
* Lung		Histiocytic Sarcoma	
Lymph Node	Mediastinal	Histiocytic Sarcoma	
* Lymph Node, Mandibular		Histiocytic Sarcoma	
* Lymph Node, Mesenteric		Histiocytic Sarcoma	
Mesentery		Histiocytic Sarcoma	

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 93023-07  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** 2,4-Hexadienal  
**CAS Number:** 142-83-6

**Date Report Requested:** 10/20/2014  
**Time Report Requested:** 13:41:50  
**First Dose M/F:** NA / NA  
**Lab:** SRI

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<b>ANIMAL ID:</b> 211	<b>TRT#:</b> 2	<b>SEX:</b> Female	<b>DAY ON TEST:</b> 538
	<b>DOSE:</b> 0 MG/KG/DY	<b>DISP:</b> Natural Death	<b>HISTO:</b> 99-85341

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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[ Necrosis TGLS = 1-21 ]	Fat	Necrosis	Moderate
* Nose	Respirat Epith	Cytoplasmic Alteration	Mild
* Ovary		Histiocytic Sarcoma	
* Skin	Subcut Tiss	Histiocytic Sarcoma	
Tooth	Peridont Tiss	Sarcoma	
Note: Sarcoma of periodontal tissue is histiocytic type.			
* Uterus		Histiocytic Sarcoma	
[ Histiocytic Sarcoma TGLS = 2-7, 2-7-1 ]			

---

**PRIMARY CAUSE OF DEATH** - Liver Histiocytic Sarcoma

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 93023-07  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** 2,4-Hexadienal  
**CAS Number:** 142-83-6

**Date Report Requested:** 10/20/2014  
**Time Report Requested:** 13:41:50  
**First Dose M/F:** NA / NA  
**Lab:** SRI

**ANIMAL ID:** 212

**TRT#:** 2

**SEX:** Female

**DAY ON TEST:** 735

**DOSE:** 0 MG/KG/DY

**DISP:** Terminal Sacrifice

**HISTO:** 99-87153

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

* Adrenal Cortex	* 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	* Ovary	* Pancreas	* Parathyroid Gland
* Salivary Glands	* Stomach, Forestomach	* Stomach, Glandular	* Thymus
* Trachea	* Urinary Bladder		

**OBSERVATIONS**

Harderian Gland [ Hyperplasia TGLS = 1-21 ]		Hyperplasia	Focal, Mild
* Liver Mesentery [ Necrosis TGLS = 3-22, 4-23, 5-24 ]	Fat	Infiltration Cellular Necrosis	Mixed Cell, Minimal Moderate
* Nose	Respirat Epith	Cytoplasmic Alteration Inflammation	Moderate Suppurative, Mild
* Pituitary Gland		Angiectasis	Minimal
* Skin Note: Skin ulcer is on tail. [ Ulcer TGLS = 2-25 ]		Ulcer	Moderate
* Spleen		Hematopoietic Cell Proliferation	Mild
* Thyroid Gland		Degeneration	Cystic, Focal, Minimal
* Uterus [ Hydrometra TGLS = 6-7 ] [ Hyperplasia TGLS = 6-7 ]	Endometrium	Hydrometra Hyperplasia	Mild Cystic, Moderate

**PRIMARY CAUSE OF DEATH** -

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 93023-07  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** 2,4-Hexadienal  
**CAS Number:** 142-83-6

**Date Report Requested:** 10/20/2014  
**Time Report Requested:** 13:41:50  
**First Dose M/F:** NA / NA  
**Lab:** SRI

**ANIMAL ID:** 213

**TRT#:** 2

**SEX:** Female

**DAY ON TEST:** 735

**DOSE:** 0 MG/KG/DY

**DISP:** Terminal Sacrifice

**HISTO:** 99-87256

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

* Adrenal Cortex	* 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	* Pancreas	* Parathyroid Gland	* Pituitary Gland
* Salivary Glands	* Skin	* Stomach, Glandular	* Thymus
* Thyroid Gland	* Trachea	* Urinary Bladder	

**OBSERVATIONS**

\* Adren Medulla

Note: Island of cytologically-normal adrenal medullary tissue is embedded in adrenal cortex, immediately subcapsular, analogous to accessory adrenal cortical nodule.

* Liver		Infiltration Cellular	Mixed Cell, Mild
	Hepatocyte, Periportal	Vacuolization Cytoplasmic	Mild
* Nose	Olfactory Epi	Cytoplasmic Alteration	Mild
	Respirat Epith	Cytoplasmic Alteration	Mild
* Ovary		Cyst	Multiple, Moderate
		Luteoma	
	[ Cyst TGLS = 2-7 ]		
	[ Luteoma TGLS = 2-7 ]		
* Spleen		Hematopoietic Cell Proliferation	Mild
* Stomach, Forestomach	Epithelium	Hyperplasia	Squamous, Minimal
* Uterus		Hydrometra	Moderate
	Endometrium	Hyperplasia	Cystic, Moderate
	[ Hydrometra TGLS = 1-7 ]		

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE



**Experiment Number:** 93023-07  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** 2,4-Hexadienal  
**CAS Number:** 142-83-6

**Date Report Requested:** 10/20/2014  
**Time Report Requested:** 13:41:50  
**First Dose M/F:** NA / NA  
**Lab:** SRI

**ANIMAL ID:** 214

**TRT#:** 2

**SEX:** Female

**DAY ON TEST:** 735

**DOSE:** 0 MG/KG/DY

**DISP:** Terminal Sacrifice

**HISTO:** 99-87257

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

* Adrenal Cortex	* Bone Marrow	* 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	* Lung	* Lymph Node, Mandibular	* Lymph Node, Mesenteric
* Mammary Gland	* Pancreas	* Parathyroid Gland	* Pituitary Gland
* Salivary Glands	* Skin	* Stomach, Forestomach	* Stomach, Glandular
* Thymus	* Thyroid Gland	* Trachea	* Urinary Bladder

**OBSERVATIONS**

* Adrenal Medulla		Pheochromocytoma Benign	
[ Pheochromocytoma Benign TGLS = 4-21 ]			
* Brain	Ventricle	Hydrocephalus	Mild
* Kidney		Nephropathy	Minimal
* Liver		Infiltration Cellular	Mixed Cell, Mild
	Hepatocyte, Periportal	Vacuolization Cytoplasmic	Moderate
* Nose	Olfactory Epi	Cytoplasmic Alteration	Mild
	Respirat Epith	Cytoplasmic Alteration	Mild
* Ovary		Cyst	Mild
[ Cyst TGLS = 1-7 ]			
* Spleen		Hyperplasia	Lymphoid, Mild
* Uterus		Hydrometra	Moderate
	Endometrium	Hyperplasia	Cystic, Moderate
[ Hydrometra TGLS = 3-7 ]			
[ Hyperplasia TGLS = 2-7 ]			

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 93023-07  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** 2,4-Hexadienal  
**CAS Number:** 142-83-6

**Date Report Requested:** 10/20/2014  
**Time Report Requested:** 13:41:50  
**First Dose M/F:** NA / NA  
**Lab:** SRI

**ANIMAL ID:** 215

**TRT#:** 2

**SEX:** Female

**DAY ON TEST:** 735

**DOSE:** 0 MG/KG/DY

**DISP:** Terminal Sacrifice

**HISTO:** 99-87258

**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	* Lung
* Lymph Node, Mesenteric	* Mammary Gland	* Ovary	* Pancreas
* Parathyroid Gland	* Pituitary Gland	* Salivary Glands	* Skin
* Stomach, Glandular	* Thymus	* Thyroid Gland	* Trachea
* Urinary Bladder			

**OBSERVATIONS**

* Adrenal Cortex		Cyst	Minimal
Harderian Gland		Adenoma	
[ Adenoma TGLS = 3-23 ]			
* Kidney		Hyperplasia	Lymphoid, Mild
* Liver		Hepatocellular Adenoma	
		Hyperplasia	Lymphoid, Mild
[ Hepatocellular Adenoma TGLS = 2-22 ]			
* Lymph Node, Mandibular		Hyperplasia	Lymphoid, Moderate
Mesentery	Fat	Necrosis	Moderate
[ Necrosis TGLS = 1-21 ]			
* Nose	Olfactory Epi	Cytoplasmic Alteration	Mild
	Respirat Epith	Cytoplasmic Alteration	Mild
	Nasolacrim Dct	Inflammation	Mild
		Inflammation	Suppurative, Mild
* Spleen		Hyperplasia	Lymphoid, Moderate
* Stomach, Forestomach		Squamous Cell Papilloma	
[ Squamous Cell Papilloma TGLS = 4-24, 4-24.1 ]			
* Uterus		Hydrometra	Mild
	Endometrium	Hyperplasia	Cystic, Moderate

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE



**Experiment Number:** 93023-07  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** 2,4-Hexadienal  
**CAS Number:** 142-83-6

**Date Report Requested:** 10/20/2014  
**Time Report Requested:** 13:41:50  
**First Dose M/F:** NA / NA  
**Lab:** SRI

**ANIMAL ID:** 217

**TRT#:** 2

**SEX:** Female

**DAY ON TEST:** 732

**DOSE:** 0 MG/KG/DY

**DISP:** Terminal Sacrifice

**HISTO:** 99-87260

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

* Adrenal Cortex	* Adrenal Medulla	* 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	* Lung
* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Mammary Gland	* Ovary
* Pancreas	* Parathyroid Gland	* Pituitary Gland	* Salivary Glands
* Skin	* Stomach, Forestomach	* Thymus	* Thyroid Gland
* Trachea	* Urinary Bladder		

**OBSERVATIONS**

* Kidney		Nephropathy	Minimal
* Liver		Hepatocellular Adenoma	
		Infiltration Cellular	Mixed Cell, Minimal
	Hepatocyte, Midzonal	Vacuolization Cytoplasmic	Mild
[ Hepatocellular Adenoma TGLS = 4-6 ]			
Mesentery	Fat	Necrosis	Moderate
[ Necrosis TGLS = 1-21 ]			
* Nose	Olfactory Epi	Cytoplasmic Alteration	Mild
	Respirat Epith	Cytoplasmic Alteration	Mild
	Glands, Mucosa	Dilatation	Focal, Mild
		Inflammation	Suppurative, Mild
* Spleen		Hematopoietic Cell Proliferation	Moderate
* Stomach, Glandular	Glands	Degeneration	Cystic, Focal, Minimal
* Uterus		Angiectasis	Marked
		Hydrometra	Mild
	Endometrium	Hyperplasia	Cystic, Moderate
[ Angiectasis TGLS = 2-22 ]			
[ Hyperplasia TGLS = 3-7 ]			

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 93023-07  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** 2,4-Hexadienal  
**CAS Number:** 142-83-6

**Date Report Requested:** 10/20/2014  
**Time Report Requested:** 13:41:50  
**First Dose M/F:** NA / NA  
**Lab:** SRI

**ANIMAL ID:** 218

**TRT#:** 2

**SEX:** Female

**DAY ON TEST:** 732

**DOSE:** 0 MG/KG/DY

**DISP:** Terminal Sacrifice

**HISTO:** 99-87261

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

* Adrenal Cortex	* Adrenal Medulla	* 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
* Ovary	* Pancreas	* Parathyroid Gland	* Salivary Glands
* Spleen	* Stomach, Glandular	* Thymus	* Thyroid Gland
* Trachea	* Urinary Bladder		

**OBSERVATIONS**

Harderian Gland		Adenoma	
* Liver		Infiltration Cellular	Mixed Cell, Minimal
Lymph Node	Inguinal	Hyperplasia	Lymphoid, Moderate
* Nose	Olfactory Epi	Cytoplasmic Alteration	Minimal
	Respirat Epith	Cytoplasmic Alteration	Mild
		Inflammation	Suppurative, Mild
* Pituitary Gland	Pars Intermed	Adenoma	
* Skin	Hair Follicle	Atrophy	Focal, Moderate
[ Atrophy TGLS = 1-8 ]			
* Stomach, Forestomach		Squamous Cell Papilloma	
[ Squamous Cell Papilloma TGLS = 4-21 ]			
* Uterus		Hydrometra	Moderate
	Endometrium	Hyperplasia	Cystic, Moderate
[ Hydrometra TGLS = 3-7 ]			
[ Hyperplasia TGLS = 2-7 ]			

**PRIMARY CAUSE OF DEATH** -

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 93023-07  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** 2,4-Hexadienal  
**CAS Number:** 142-83-6

**Date Report Requested:** 10/20/2014  
**Time Report Requested:** 13:41:50  
**First Dose M/F:** NA / NA  
**Lab:** SRI

**ANIMAL ID:** 219

**TRT#:** 2

**SEX:** Female

**DAY ON TEST:** 732

**DOSE:** 0 MG/KG/DY

**DISP:** Terminal Sacrifice

**HISTO:** 99-87262

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

* Adrenal Cortex	* Adrenal Medulla	* 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
* Ovary	* Pancreas	* Parathyroid Gland	* Salivary Glands
* Skin	* Stomach, Forestomach	* Stomach, Glandular	* Thymus
* Thyroid Gland	* Trachea	* Urinary Bladder	

**OBSERVATIONS**

* Liver		Hepatocellular Carcinoma Infiltration Cellular Vacuolization Cytoplasmic	Mixed Cell, Minimal Mild
	Hepatocyte, Periportal		
[ Hepatocellular Carcinoma TGLS = 4-23 ]			
Mesentery	Fat	Necrosis	Mild
[ Necrosis TGLS = 3-22 ]			
* Nose	Olfactory Epi Respirat Epith	Cytoplasmic Alteration Cytoplasmic Alteration Inflammation	Mild Mild Suppurative, Mild
* Pituitary Gland		Angiectasis	Moderate
Note: Pituitary gland lesion (TGL 5-1) is actually congestion. "Angiectasis" chosen as nearest available term in TDMS.			
[ Angiectasis TGLS = 5-1 ]			
Skeletal Muscle		Inflammation	Chronic, Marked
[ Inflammation TGLS = 1-21 ]			
* Spleen		Hematopoietic Cell Proliferation	Mild
* Uterus		Hydrometra	Moderate
	Endometrium	Hyperplasia	Cystic, Moderate
[ Hydrometra TGLS = 2-7 ]			

**PRIMARY CAUSE OF DEATH** -

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 93023-07  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** 2,4-Hexadienal  
**CAS Number:** 142-83-6

**Date Report Requested:** 10/20/2014  
**Time Report Requested:** 13:41:50  
**First Dose M/F:** NA / NA  
**Lab:** SRI

**ANIMAL ID:** 220

**TRT#:** 2

**SEX:** Female

**DAY ON TEST:** 732

**DOSE:** 0 MG/KG/DY

**DISP:** Terminal Sacrifice

**HISTO:** 99-87263

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

* Adrenal Cortex	* Adrenal Medulla	* 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	* Lung
* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Mammary Gland	* Ovary
* Pancreas	* Parathyroid Gland	* Pituitary Gland	* Salivary Glands
* Skin	* Spleen	* Stomach, Forestomach	* Stomach, Glandular
* Thymus	* Thyroid Gland	* Trachea	* Urinary Bladder

**OBSERVATIONS**

* Kidney		Nephropathy	Minimal
* Liver		Infiltration Cellular	Mixed Cell, Minimal
* Nose	Olfactory Epi	Cytoplasmic Alteration	Minimal
	Respirat Epith	Cytoplasmic Alteration	Mild
	Glands, Mucosa	Dilatation	Focal, Mild
		Inflammation	Suppurative, Mild
* Uterus		Hydrometra	Mild
	Endometrium	Hyperplasia	Cystic, Moderate

[ Hydrometra TGLS = 1-7 ]

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 93023-07

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: 2,4-Hexadienal

CAS Number: 142-83-6

Date Report Requested: 10/20/2014

Time Report Requested: 13:41:50

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 221

TRT#: 2

SEX: Female

DAY ON TEST: 732

DOSE: 0 MG/KG/DY

DISP: Terminal Sacrifice

HISTO: 99-87264

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* 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	* Pancreas	* Parathyroid Gland	* Pituitary Gland
* Salivary Glands	* Skin	* Stomach, Forestomach	* Stomach, Glandular
* Thymus	* Thyroid Gland	* Trachea	* Urinary Bladder

OBSERVATIONS

* Liver		Hepatocellular Adenoma Infiltration Cellular Vacuolization Cytoplasmic	Mixed Cell, Minimal Mild
	Hepatocyte, Periportal		
[ Hepatocellular Adenoma TGLS = 3-21 ]			
* Nose	Olfactory Epi Respirat Epith	Cytoplasmic Alteration Cytoplasmic Alteration Inflammation	Mild Mild Suppurative, Mild
* Ovary		Cyst	Moderate
* Spleen		Congestion Hyperplasia	Moderate Lymphoid, Mild
[ Congestion TGLS = 2-6 ]			
[ Hyperplasia TGLS = 2-6 ]			
* Uterus	Endometrium	Hydrometra Hyperplasia	Moderate Cystic, Mild
[ Hydrometra TGLS = 1-7 ]			

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE



**Experiment Number:** 93023-07  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** 2,4-Hexadienal  
**CAS Number:** 142-83-6

**Date Report Requested:** 10/20/2014  
**Time Report Requested:** 13:41:50  
**First Dose M/F:** NA / NA  
**Lab:** SRI

**ANIMAL ID:** 222

**TRT#:** 2

**SEX:** Female

**DAY ON TEST:** 732

**DOSE:** 0 MG/KG/DY

**DISP:** Terminal Sacrifice

**HISTO:** 99-87265

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

* Adrenal Medulla	* 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	* Lung	* Lymph Node, Mandibular
* Lymph Node, Mesenteric	* Mammary Gland	* Ovary	* Pancreas
* Parathyroid Gland	* Salivary Glands	* Skin	* Spleen
* Stomach, Forestomach	* Stomach, Glandular	* Trachea	* Urinary Bladder

**INSUFFICIENT TISSUE**

\* Thymus

**OBSERVATIONS**

* Adrenal Cortex		Cytoplasmic Alteration	Focal, Mild
* Kidney		Nephropathy	Minimal
* Liver		Infiltration Cellular	Mixed Cell, Minimal
	Hepatocyte, Midzonal	Vacuolization Cytoplasmic	Mild
* Nose	Olfactory Epi	Cytoplasmic Alteration	Mild
	Respirat Epith	Cytoplasmic Alteration	Moderate
* Pituitary Gland	Pars Distalis	Cytoplasmic Alteration	Focal, Mild
* Thyroid Gland		Degeneration	Cystic, Focal, Minimal
* Uterus	Endometrium	Hyperplasia	Cystic, Moderate

[ Hyperplasia TGLS = 1-7 ]

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 93023-07  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** 2,4-Hexadienal  
**CAS Number:** 142-83-6

**Date Report Requested:** 10/20/2014  
**Time Report Requested:** 13:41:50  
**First Dose M/F:** NA / NA  
**Lab:** SRI

**ANIMAL ID:** 223

**TRT#:** 2

**SEX:** Female

**DAY ON TEST:** 653

**DOSE:** 0 MG/KG/DY

**DISP:** Natural Death

**HISTO:** 99-86349

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Brain
* Clitoral Gland	* Esophagus	* Intestine Large, Colon	* Intestine Large, Rectum
* Ovary	* Parathyroid Gland	* Salivary Glands	* Stomach, Forestomach
* Thyroid Gland	* Trachea		

**AUTO PRECLUDES DIAG.**

* Gallbladder	* Intestine Large, Cecum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Lymph Node, Mandibular	* Lymph Node, Mesenteric
* Pancreas	* Stomach, Glandular	* Thymus	* Urinary Bladder

**INSUFFICIENT TISSUE**

\* Pituitary Gland

**OBSERVATIONS**

* Bone Marrow		Lymphoma Malignant	
* Heart		Lymphoma Malignant	
* Kidney		Lymphoma Malignant	
* Liver		Lymphoma Malignant	
[ Lymphoma Malignant TGLS = 2-6 ]			
* Lung		Lymphoma Malignant	
* Mammary Gland		Hyperplasia	Moderate
[ Hyperplasia TGLS = 1-8 ]			
Mesentery		Lymphoma Malignant	
	Fat	Necrosis	Moderate
[ Necrosis TGLS = 5-21 ]			
* Nose	Respirat Epith	Cytoplasmic Alteration	Moderate
* Skin	Subcut Tiss	Lymphoma Malignant	
* Spleen		Lymphoma Malignant	
[ Lymphoma Malignant TGLS = 3-6 ]			
* Uterus		Hydrometra	Moderate
[ Hydrometra TGLS = 4-7 ]			

**PRIMARY CAUSE OF DEATH** - Liver Lymphoma Malignant

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 93023-07  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** 2,4-Hexadienal  
**CAS Number:** 142-83-6

**Date Report Requested:** 10/20/2014  
**Time Report Requested:** 13:41:50  
**First Dose M/F:** NA / NA  
**Lab:** SRI

**ANIMAL ID:** 224

**TRT#:** 2

**SEX:** Female

**DAY ON TEST:** 732

**DOSE:** 0 MG/KG/DY

**DISP:** Terminal Sacrifice

**HISTO:** 99-87266

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

* Adrenal Cortex	* 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	* Pancreas	* Parathyroid Gland	* Pituitary Gland
* Salivary Glands	* Stomach, Forestomach	* Stomach, Glandular	* Thymus
* Trachea	* Urinary Bladder		

**OBSERVATIONS**

* Liver	Hepatocyte Hepatocyte, Midzonal	Infiltration Cellular Vacuolization Cytoplasmic Vacuolization Cytoplasmic	Mixed Cell, Minimal Focal, Mild Mild
[ Vacuolization Cytoplasmic TGLS = 4-23 ]			
Mesentery	Fat	Necrosis	Moderate
[ Necrosis TGLS = 2-22 ]			
* Nose	Olfactory Epi Respirat Epith	Cytoplasmic Alteration Cytoplasmic Alteration	Mild Mild
* Ovary		Cystadenoma	
* Skin	Pinna, Sebaceous Gl	Adenoma	
[ Adenoma TGLS = 1-21 ]			
* Spleen		Hematopoietic Cell Proliferation	Mild
* Thyroid Gland		Degeneration	Cystic, Focal, Minimal
* Uterus	Endometrium	Hyperplasia	Cystic, Mild
[ Hyperplasia TGLS = 3-7 ]			

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 93023-07  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** 2,4-Hexadienal  
**CAS Number:** 142-83-6

**Date Report Requested:** 10/20/2014  
**Time Report Requested:** 13:41:50  
**First Dose M/F:** NA / NA  
**Lab:** SRI

**ANIMAL ID:** 225

**TRT#:** 2

**SEX:** Female

**DAY ON TEST:** 635

**DOSE:** 0 MG/KG/DY

**DISP:** Moribund Sacrifice

**HISTO:** 99-86248

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Brain
* Clitoral Gland	* Esophagus	* 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	* Skin	* Stomach, Glandular	* Trachea
* Urinary Bladder			

**OBSERVATIONS**

* Bone Marrow		Lymphoma Malignant	
* Heart		Lymphoma Malignant	
* Kidney	Renal Tubule	Accumulation, Hyaline Droplet	Moderate
		Lymphoma Malignant	
* Liver		Lymphoma Malignant	
		[ Lymphoma Malignant TGLS = 6-6 ]	
* Lung	Mediastinum	Lymphoma Malignant	
		Lymphoma Malignant	
		[ Lymphoma Malignant TGLS = 12-2 ]	
		[ Lymphoma Malignant TGLS = 12-2 ]	
Lymph Node	Iliac	Lymphoma Malignant	
	Inguinal	Lymphoma Malignant	
	Pancreatic	Lymphoma Malignant	
	Renal	Lymphoma Malignant	
		[ Lymphoma Malignant TGLS = 9-22 ]	
		[ Lymphoma Malignant TGLS = 10-23 ]	
		[ Lymphoma Malignant TGLS = 4-7-1 ]	
		[ Lymphoma Malignant TGLS = 1-21 ]	
* Lymph Node, Mandibular		Lymphoma Malignant	
		[ Lymphoma Malignant TGLS = 2-8 ]	
* Lymph Node, Mesenteric		Lymphoma Malignant	
		[ Lymphoma Malignant TGLS = 7-5 ]	
Mesentery		Lymphoma Malignant	

\* PROTOCOL REQUIRED TISSUE



**Experiment Number:** 93023-07  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** 2,4-Hexadienal  
**CAS Number:** 142-83-6

**Date Report Requested:** 10/20/2014  
**Time Report Requested:** 13:41:50  
**First Dose M/F:** NA / NA  
**Lab:** SRI

**ANIMAL ID:** 226

**TRT#:** 2

**SEX:** Female

**DAY ON TEST:** 734

**DOSE:** 0 MG/KG/DY

**DISP:** Terminal Sacrifice

**HISTO:** 99-87267

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

* Adrenal Cortex	* 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	* Islets, Pancreatic	* Lymph Node, Mandibular
* Lymph Node, Mesenteric	* Mammary Gland	* Pancreas	* Parathyroid Gland
* Pituitary Gland	* Salivary Glands	* Skin	* Stomach, Forestomach
* Stomach, Glandular	* Thymus	* Thyroid Gland	* Trachea
* Urinary Bladder	* Uterus		

**MISSING**

\* Clitoral Gland

**OBSERVATIONS**

* Kidney		Nephropathy	Minimal
* Liver	Oval Cell	Hyperplasia	Mild
		Infiltration Cellular	Mixed Cell, Mild
	Hepatocyte, Midzonal	Vacuolization Cytoplasmic	Mild
* Lung		Alveolar/Bronchiolar Adenoma	
		Hyperplasia	Histiocytic, Mild
		Hyperplasia	Lymphoid, Mild
	[ Alveolar/Bronchiolar Adenoma TGLS = 2-21 ]		
* Nose	Olfactory Epi	Cytoplasmic Alteration	Mild
	Respirat Epith	Cytoplasmic Alteration	Mild
* Ovary		Cyst	Mild
	[ Cyst TGLS = 3-7 ]		
* Spleen		Hematopoietic Cell Proliferation	Moderate
	[ Hematopoietic Cell Proliferation TGLS = 1-6 ]		

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 93023-07  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** 2,4-Hexadienal  
**CAS Number:** 142-83-6

**Date Report Requested:** 10/20/2014  
**Time Report Requested:** 13:41:50  
**First Dose M/F:** NA / NA  
**Lab:** SRI

**ANIMAL ID:** 227

**TRT#:** 2

**SEX:** Female

**DAY ON TEST:** 734

**DOSE:** 0 MG/KG/DY

**DISP:** Terminal Sacrifice

**HISTO:** 99-87268

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

* Adrenal Cortex	* 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	* Kidney
* Lung	* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Mammary Gland
* Ovary	* Pancreas	* Parathyroid Gland	* Pituitary Gland
* Salivary Glands	* Skin	* Stomach, Forestomach	* Stomach, Glandular
* Thymus	* Thyroid Gland	* Trachea	* Urinary Bladder

**OBSERVATIONS**

* Islets, Pancreatic [ Adenoma TGLS = 1-21 ]		Adenoma	
* Liver	Hepatocyte, Periportal	Infiltration Cellular	Mixed Cell, Minimal
	Olfactory Epi	Vacuolization Cytoplasmic	Minimal
* Nose	Respirat Epith	Cytoplasmic Alteration	Minimal
		Cytoplasmic Alteration	Mild
* Spleen		Hematopoietic Cell Proliferation	Mild
* Uterus [ Hyperplasia TGLS = 2-7 ]	Endometrium	Hyperplasia	Cystic, Moderate

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 93023-07  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** 2,4-Hexadienal  
**CAS Number:** 142-83-6

**Date Report Requested:** 10/20/2014  
**Time Report Requested:** 13:41:50  
**First Dose M/F:** NA / NA  
**Lab:** SRI

**ANIMAL ID:** 228

**TRT#:** 2

**SEX:** Female

**DAY ON TEST:** 734

**DOSE:** 0 MG/KG/DY

**DISP:** Terminal Sacrifice

**HISTO:** 99-87269

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

* Adrenal Cortex	* 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
* Lung	* 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**

* Kidney		Infarct	Focal, Mild
		Nephropathy	Mild
* Liver		Infiltration Cellular	Mixed Cell, Minimal
	Hepatocyte, Periportal	Vacuolization Cytoplasmic	Mild
Mesentery	Fat	Necrosis	Moderate
[ Necrosis TGLS = 1-21 ]			
* Nose	Olfactory Epi	Cytoplasmic Alteration	Minimal
	Respirat Epith	Cytoplasmic Alteration	Mild
		Inflammation	Suppurative, Minimal
* Ovary		Cyst	Mild
* Uterus	Endometrium	Hyperplasia	Cystic, Mild

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE



**Experiment Number:** 93023-07  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** 2,4-Hexadienal  
**CAS Number:** 142-83-6

**Date Report Requested:** 10/20/2014  
**Time Report Requested:** 13:41:50  
**First Dose M/F:** NA / NA  
**Lab:** SRI

**ANIMAL ID:** 229

**TRT#:** 2

**SEX:** Female

**DAY ON TEST:** 734

**DOSE:** 0 MG/KG/DY

**DISP:** Terminal Sacrifice

**HISTO:** 99-87270

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

* Adrenal Cortex	* 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	* Pancreas	* Parathyroid Gland	* Salivary Glands
* Skin	* Spleen	* Stomach, Forestomach	* Stomach, Glandular
* Thymus	* Thyroid Gland	* Trachea	* Urinary Bladder

**OBSERVATIONS**

* Liver		Infiltration Cellular	Mixed Cell, Minimal
	Hepatocyte, Midzonal	Vacuolization Cytoplasmic	Mild
Mesentery	Fat	Necrosis	Moderate
[ Necrosis TGLS = 1-21 ]			
* Nose	Respirat Epith	Cytoplasmic Alteration	Mild
* Ovary		Cyst	Mild
* Parathyroid Gland			
Note: A portion of parathyroid gland that is embedded in thymus (slide 2) shows cytoplasmic vacuolization. Parathyroid of usual location (slide 3) is unaffected.			
* Pituitary Gland	Pars Intermed	Adenoma	
	Pars Distalis	Cytoplasmic Alteration	Focal, Minimal
[ Adenoma TGLS = 4-1 ]			
* Uterus		Hydrometra	Moderate
	Endometrium	Hyperplasia	Cystic, Moderate
[ Hydrometra TGLS = 2-7 ]			
[ Hyperplasia TGLS = 3-7 ]			

**PRIMARY CAUSE OF DEATH** -

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 93023-07  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** 2,4-Hexadienal  
**CAS Number:** 142-83-6

**Date Report Requested:** 10/20/2014  
**Time Report Requested:** 13:41:50  
**First Dose M/F:** NA / NA  
**Lab:** SRI

**ANIMAL ID:** 230

**TRT#:** 2

**SEX:** Female

**DAY ON TEST:** 734

**DOSE:** 0 MG/KG/DY

**DISP:** Terminal Sacrifice

**HISTO:** 99-87271

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

* Adrenal Cortex	* 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	* Ovary	* Parathyroid Gland	* Salivary Glands
* Skin	* Spleen	* Stomach, Forestomach	* Stomach, Glandular
* Thymus	* Thyroid Gland	* Trachea	* Urinary Bladder

**OBSERVATIONS**

* Liver		Infiltration Cellular Mixed Cell Focus	Mixed Cell, Mild Multiple
[ Mixed Cell Focus TGLS = 3-22 ]			
Mesentery	Fat	Necrosis	Moderate
[ Necrosis TGLS = 1-21 ]			
* Nose	Respirat Epith	Cytoplasmic Alteration	Mild
* Ovary			
Note: One ovary is missing.			
* Pancreas	Duct	Cyst	Moderate
* Pituitary Gland		Angiectasis	Mild
[ Angiectasis TGLS = 4-1 ]			
* Uterus	Endometrium	Hydrometra Hyperplasia	Moderate Cystic, Mild
[ Hydrometra TGLS = 2-7 ]			

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 93023-07  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** 2,4-Hexadienal  
**CAS Number:** 142-83-6

**Date Report Requested:** 10/20/2014  
**Time Report Requested:** 13:41:50  
**First Dose M/F:** NA / NA  
**Lab:** SRI

**ANIMAL ID:** 231

**TRT#:** 2

**SEX:** Female

**DAY ON TEST:** 733

**DOSE:** 0 MG/KG/DY

**DISP:** Terminal Sacrifice

**HISTO:** 99-87272

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

* Adrenal Cortex	* 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
* Lung	* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Mammary Gland
* Ovary	* Pancreas	* Parathyroid Gland	* Pituitary Gland
* Salivary Glands	* Skin	* Stomach, Forestomach	* Stomach, Glandular
* Thymus	* Thyroid Gland	* Trachea	* Urinary Bladder

**OBSERVATIONS**

Harderian Gland [ Adenoma TGLS = 1-21 ]		Adenoma	
* Kidney		Nephropathy	Minimal
* Liver		Infiltration Cellular	Mixed Cell, Mild
	Hepatocyte, Midzonal	Vacuolization Cytoplasmic	Minimal
Mesentery [ Necrosis TGLS = 4-22 ]	Fat	Necrosis	Moderate
* Nose	Olfactory Epi	Cytoplasmic Alteration	Mild
	Respirat Epith	Cytoplasmic Alteration	Moderate
* Spleen		Hematopoietic Cell Proliferation	Mild
		Hyperplasia	Lymphoid, Mild
		[ Hematopoietic Cell Proliferation TGLS = 3-6 ]	
		[ Hyperplasia TGLS = 3-6 ]	
* Uterus	Endometrium	Hyperplasia	Cystic, Moderate
		[ Hyperplasia TGLS = 2-7 ]	

**PRIMARY CAUSE OF DEATH** -

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 93023-07  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** 2,4-Hexadienal  
**CAS Number:** 142-83-6

**Date Report Requested:** 10/20/2014  
**Time Report Requested:** 13:41:50  
**First Dose M/F:** NA / NA  
**Lab:** SRI

**ANIMAL ID:** 232

**TRT#:** 2

**SEX:** Female

**DAY ON TEST:** 733

**DOSE:** 0 MG/KG/DY

**DISP:** Terminal Sacrifice

**HISTO:** 99-87273

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

* Adrenal Cortex	* Adrenal Medulla	* 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	* Lung
* Lymph Node, Mandibular	* Ovary	* Pancreas	* Parathyroid Gland
* Pituitary Gland	* Salivary Glands	* Skin	* Spleen
* Stomach, Forestomach	* Stomach, Glandular	* Thymus	* Thyroid Gland
* Trachea	* Urinary Bladder		

**MISSING**

\* Mammary Gland

**OBSERVATIONS**

* Kidney		Nephropathy	Minimal
* Liver		Hepatocellular Adenoma	Multiple
		Hepatocellular Carcinoma	
		Infiltration Cellular	Mixed Cell, Mild
[ Hepatocellular Adenoma TGLS = 2-22, 3-23 ]			
[ Hepatocellular Carcinoma TGLS = 1-21 ]			
* Lymph Node, Mesenteric		Hyperplasia	Plasma Cell, Moderate
Mesentery	Fat	Necrosis	Moderate
[ Necrosis TGLS = 5-24 ]			
* Nose	Olfactory Epi	Cytoplasmic Alteration	Minimal
	Respirat Epith	Cytoplasmic Alteration	Mild
* Uterus	Endometrium	Hyperplasia	Cystic, Moderate
[ Hyperplasia TGLS = 4-7 ]			

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 93023-07  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** 2,4-Hexadienal  
**CAS Number:** 142-83-6

**Date Report Requested:** 10/20/2014  
**Time Report Requested:** 13:41:50  
**First Dose M/F:** NA / NA  
**Lab:** SRI

**ANIMAL ID:** 233

**TRT#:** 2

**SEX:** Female

**DAY ON TEST:** 733

**DOSE:** 0 MG/KG/DY

**DISP:** Terminal Sacrifice

**HISTO:** 99-87274

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

* Adrenal Cortex	* 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, Jejunum	* Islets, Pancreatic	* Lymph Node, Mandibular
* Lymph Node, Mesenteric	* Mammary Gland	* Ovary	* Pancreas
* Parathyroid Gland	* Salivary Glands	* Skin	* Spleen
* Stomach, Forestomach	* Stomach, Glandular	* Thymus	* Thyroid Gland
* Trachea	* Urinary Bladder		

**MISSING**

\* Intestine Small, Ileum

**OBSERVATIONS**

* Kidney		Metaplasia	Osseous, Focal, Minimal
* Liver		Infiltration Cellular	Mixed Cell, Minimal
	Hepatocyte, Midzonal	Vacuolization Cytoplasmic	Mild
* Lung		Alveolar/Bronchiolar Adenoma	
Mesentery	Fat	Necrosis	Moderate
[ Necrosis TGLS = 1-21 ]			
* Nose	Olfactory Epi	Cytoplasmic Alteration	Minimal
	Respirat Epith	Cytoplasmic Alteration	Minimal
	Glands, Mucosa	Dilatation	Focal, Mild
* Pituitary Gland	Pars Distalis	Cytoplasmic Alteration	Focal, Minimal
* Uterus		Hydrometra	Moderate
	Endometrium	Hyperplasia	Cystic, Moderate
[ Hydrometra TGLS = 2-7 ]			

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 93023-07  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** 2,4-Hexadienal  
**CAS Number:** 142-83-6

**Date Report Requested:** 10/20/2014  
**Time Report Requested:** 13:41:50  
**First Dose M/F:** NA / NA  
**Lab:** SRI

**ANIMAL ID:** 234

**TRT#:** 2

**SEX:** Female

**DAY ON TEST:** 733

**DOSE:** 0 MG/KG/DY

**DISP:** Terminal Sacrifice

**HISTO:** 99-87275

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

* Adrenal Cortex	* 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
* 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**

Harderian Gland [ Adenoma TGLS = 5-23 ]		Adenoma	
* Kidney [ Nephropathy TGLS = 3-5, 3-21 ]		Infarct Nephropathy	Marked Marked
* Liver		Infiltration Cellular	Mixed Cell, Minimal
* Lung [ Hemorrhage TGLS = 4-22 ]		Hemorrhage	Minimal
* Nose	Respirat Epith	Cytoplasmic Alteration Inflammation Cyst	Minimal Suppurative, Mild Marked
* Ovary [ Cyst TGLS = 2-7 ]			
* Uterus [ Hydrometra TGLS = 1-7 ]	Endometrium	Hydrometra Hyperplasia	Moderate Cystic, Mild

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 93023-07  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** 2,4-Hexadienal  
**CAS Number:** 142-83-6

**Date Report Requested:** 10/20/2014  
**Time Report Requested:** 13:41:50  
**First Dose M/F:** NA / NA  
**Lab:** SRI

**ANIMAL ID:** 235

**TRT#:** 2

**SEX:** Female

**DAY ON TEST:** 734

**DOSE:** 0 MG/KG/DY

**DISP:** Terminal Sacrifice

**HISTO:** 99-87276

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

* Adrenal Cortex	* 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
* Lung	* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Mammary Gland
* Pancreas	* Parathyroid Gland	* Salivary Glands	* Skin
* Spleen	* Stomach, Forestomach	* Stomach, Glandular	* Thymus
* Thyroid Gland	* Trachea	* Urinary Bladder	

**OBSERVATIONS**

* Adren Medulla			
Note: Medulla of one adrenal gland is missing.			
* Kidney		Cyst	Minimal
* Liver		Hepatocellular Adenoma	
		Infiltration Cellular	Mixed Cell, Minimal
	Hepatocyte, Midzonal	Vacuolization Cytoplasmic	Minimal
[ Hepatocellular Adenoma TGLS = 3-22 ]			
Mesentery	Fat	Necrosis	Moderate
[ Necrosis TGLS = 2-21 ]			
* Nose	Olfactory Epi	Cytoplasmic Alteration	Minimal
	Respirat Epith	Cytoplasmic Alteration	Mild
	Glands, Mucosa	Dilatation	Focal, Minimal
		Inflammation	Suppurative, Minimal
* Ovary		Cyst	Minimal
* Pituitary Gland	Pars Distalis	Cytoplasmic Alteration	Focal, Mild
	Pars Distalis	Degeneration	Cystic, Focal, Minimal
* Uterus		Hydrometra	Moderate
[ Hydrometra TGLS = 1-7 ]			

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 93023-07  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** 2,4-Hexadienal  
**CAS Number:** 142-83-6

**Date Report Requested:** 10/20/2014  
**Time Report Requested:** 13:41:50  
**First Dose M/F:** NA / NA  
**Lab:** SRI

**ANIMAL ID:** 236

**TRT#:** 2

**SEX:** Female

**DAY ON TEST:** 734

**DOSE:** 0 MG/KG/DY

**DISP:** Terminal Sacrifice

**HISTO:** 99-87277

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

* Adrenal Cortex	* 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, Mesenteric	* Mammary Gland
* Ovary	* Pancreas	* Parathyroid Gland	* Pituitary Gland
* Salivary Glands	* Skin	* Stomach, Forestomach	* Stomach, Glandular
* Thyroid Gland	* Trachea	* Urinary Bladder	

**MISSING**

\* Thymus

**OBSERVATIONS**

Eye	Cornea	Hyperplasia	Squamous, Focal, Mild
	Cornea	Inflammation	Focal, Minimal
[ Hyperplasia TGLS = 1-21 ]			
Harderian Gland		Adenoma	
[ Adenoma TGLS = 3-22 ]			
* Liver		Infiltration Cellular	Mixed Cell, Minimal
* Lymph Node, Mandibular		Hyperplasia	Plasma Cell, Moderate
[ Hyperplasia TGLS = 4-8 ]			
* Nose	Respirat Epith	Cytoplasmic Alteration	Mild
		Inflammation	Suppurative, Mild
	Nasolacrim Dct	Mineralization	Minimal
* Spleen		Hematopoietic Cell Proliferation	Moderate
		Hyperplasia	Lymphoid, Mild
[ Hematopoietic Cell Proliferation TGLS = 2-6 ]			
[ Hyperplasia TGLS = 2-6 ]			
* Uterus		Hydrometra	Moderate
	Endometrium	Hyperplasia	Cystic, Mild
[ Hydrometra TGLS = 6-7 ]			
[ Hyperplasia TGLS = 5-7 ]			

\* PROTOCOL REQUIRED TISSUE



**Experiment Number:** 93023-07  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** 2,4-Hexadienal  
**CAS Number:** 142-83-6

**Date Report Requested:** 10/20/2014  
**Time Report Requested:** 13:41:50  
**First Dose M/F:** NA / NA  
**Lab:** SRI

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**ANIMAL ID:** 236

**TRT#:** 2

**SEX:** Female

**DAY ON TEST:** 734

**DOSE:** 0 MG/KG/DY

**DISP:** Terminal Sacrifice

**HISTO:** 99-87277

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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PRIMARY CAUSE OF DEATH

-

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 93023-07  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** 2,4-Hexadienal  
**CAS Number:** 142-83-6

**Date Report Requested:** 10/20/2014  
**Time Report Requested:** 13:41:50  
**First Dose M/F:** NA / NA  
**Lab:** SRI

**ANIMAL ID:** 237

**TRT#:** 2

**SEX:** Female

**DAY ON TEST:** 734

**DOSE:** 0 MG/KG/DY

**DISP:** Terminal Sacrifice

**HISTO:** 99-87278

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

* Adrenal Cortex	* 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
* Lung	* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Mammary Gland
* Pancreas	* Parathyroid Gland	* Pituitary Gland	* Salivary Glands
* Skin	* Spleen	* Stomach, Forestomach	* Stomach, Glandular
* Thymus	* Trachea	* Urinary Bladder	

**OBSERVATIONS**

* Kidney		Cyst	Minimal
* Liver	Hepatocyte	Basophilic Focus	Mild
		Infiltration Cellular	Mixed Cell, Minimal
		Necrosis	Moderate
Mesentery	Fat		
[ Necrosis TGLS = 1-21 ]			
* Nose	Respirat Epith	Cytoplasmic Alteration	Moderate
		Inflammation	Suppurative, Minimal
* Ovary		Cyst	Moderate
[ Cyst TGLS = 2-22 ]			
* Thyroid Gland		Degeneration	Cystic, Focal, Mild
* Uterus	Endometrium	Hyperplasia	Cystic, Moderate
[ Hyperplasia TGLS = 3-7 ]			

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 93023-07  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** 2,4-Hexadienal  
**CAS Number:** 142-83-6

**Date Report Requested:** 10/20/2014  
**Time Report Requested:** 13:41:50  
**First Dose M/F:** NA / NA  
**Lab:** SRI

**ANIMAL ID:** 238

**TRT#:** 2

**SEX:** Female

**DAY ON TEST:** 734

**DOSE:** 0 MG/KG/DY

**DISP:** Terminal Sacrifice

**HISTO:** 99-87279

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

* Adrenal Cortex	* 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	* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Mammary Gland
* Pancreas	* Parathyroid Gland	* Pituitary Gland	* Salivary Glands
* Stomach, Forestomach	* Stomach, Glandular	* Thymus	* Thyroid Gland
* Trachea	* Urinary Bladder		

**OBSERVATIONS**

* Liver		Lymphoma Malignant	
[ Lymphoma Malignant TGLS = 3-6 ]			
* Lung	Mediastinum	Lymphoma Malignant	
		Lymphoma Malignant	
Mesentery	Fat	Necrosis	Moderate
[ Necrosis TGLS = 2-21 ]			
* Nose	Respirat Epith	Cytoplasmic Alteration	Mild
* Ovary		Cyst	Moderate
* Skin	Subcut Tiss	Schwannoma Malignant	
[ Schwannoma Malignant TGLS = 4-22 ]			
* Spleen		Lymphoma Malignant	
[ Lymphoma Malignant TGLS = 1-6 ]			
* Uterus	Endometrium	Hyperplasia	Cystic, Moderate
[ Hyperplasia TGLS = 5-7 ]			

**PRIMARY CAUSE OF DEATH**

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 93023-07  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** 2,4-Hexadienal  
**CAS Number:** 142-83-6

**Date Report Requested:** 10/20/2014  
**Time Report Requested:** 13:41:50  
**First Dose M/F:** NA / NA  
**Lab:** SRI

**ANIMAL ID:** 239

**TRT#:** 2

**SEX:** Female

**DAY ON TEST:** 734

**DOSE:** 0 MG/KG/DY

**DISP:** Terminal Sacrifice

**HISTO:** 99-87280

**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	* Lymph Node, Mandibular
* Lymph Node, Mesenteric	* Mammary Gland	* Ovary	* Pancreas
* Parathyroid Gland	* Salivary Glands	* Skin	* Stomach, Forestomach
* Stomach, Glandular	* Thymus	* Trachea	* Urinary Bladder

**OBSERVATIONS**

* Adrenal Cortex		Angiectasis	Minimal
* Kidney		Nephropathy	Minimal
* Liver		Infiltration Cellular	Mixed Cell, Minimal
	Hepatocyte, Periportal	Vacuolization Cytoplasmic	Mild
	[ Vacuolization Cytoplasmic TGLS = 3-6 ]		
* Lung		Hyperplasia	Histiocytic, Mild
	[ Hyperplasia TGLS = 4-22 ]		
Lymph Node	Inguinal	Hyperplasia	Plasma Cell, Moderate
* Nose	Respirat Epith	Cytoplasmic Alteration	Mild
	Glands, Mucosa	Dilatation	Focal, Mild
* Pituitary Gland	Pars Distalis	Cytoplasmic Alteration	Focal, Minimal
Skeletal Muscle		Sarcoma	
	[ Sarcoma TGLS = 1-21 ]		
* Spleen		Hematopoietic Cell Proliferation	Moderate
	[ Hematopoietic Cell Proliferation TGLS = 2-6 ]		
* Thyroid Gland	Follicle	Cyst	Mild
* Uterus		Hydrometra	Moderate
	Endometrium	Hyperplasia	Cystic, Mild

**PRIMARY CAUSE OF DEATH**

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 93023-07  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** 2,4-Hexadienal  
**CAS Number:** 142-83-6

**Date Report Requested:** 10/20/2014  
**Time Report Requested:** 13:41:50  
**First Dose M/F:** NA / NA  
**Lab:** SRI

**ANIMAL ID:** 240

**TRT#:** 2

**SEX:** Female

**DAY ON TEST:** 734

**DOSE:** 0 MG/KG/DY

**DISP:** Terminal Sacrifice

**HISTO:** 99-87281

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

* Adrenal Cortex	* Adrenal Medulla	* Bone Marrow	* 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	* Pancreas
* Parathyroid Gland	* Salivary Glands	* Skin	* Spleen
* Stomach, Forestomach	* Stomach, Glandular	* Thymus	* Thyroid Gland
* Trachea	* Urinary Bladder		

**OBSERVATIONS**

* Bone		Osteoma	
[ Osteoma TGLS = 3-21 ]			
* Brain		Compression	Focal, Moderate
[ Compression TGLS = 2-1 ]			
* Kidney		Nephropathy	Minimal
* Liver		Infiltration Cellular	Mixed Cell, Mild
* Nose	Respirat Epith	Cytoplasmic Alteration	Mild
		Inflammation	Suppurative, Mild
* Ovary		Cyst	Mild
* Pituitary Gland	Pars Distalis	Cytoplasmic Alteration	Focal, Mild
* Uterus		Hydrometra	Mild
[ Hydrometra TGLS = 1-7 ]			

**PRIMARY CAUSE OF DEATH**

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 93023-07  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** 2,4-Hexadienal  
**CAS Number:** 142-83-6

**Date Report Requested:** 10/20/2014  
**Time Report Requested:** 13:41:50  
**First Dose M/F:** NA / NA  
**Lab:** SRI

**ANIMAL ID:** 241

**TRT#:** 2

**SEX:** Female

**DAY ON TEST:** 726

**DOSE:** 0 MG/KG/DY

**DISP:** Natural Death

**HISTO:** 99-87282

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Brain	* Clitoral Gland	* Heart	* Intestine Large, Rectum
* Islets, Pancreatic	* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Mammary Gland
* Ovary	* Pancreas	* Parathyroid Gland	* Pituitary Gland
* Salivary Glands	* Skin	* Thyroid Gland	* Trachea
* Urinary Bladder			

**MISSING**

\* Thymus

**AUTO PRECLUDES DIAG.**

* Gallbladder	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Stomach, Glandular	

**OBSERVATIONS**

* Esophagus Note: Esophageal lesion is on slide 4.	Epithelium	Hyperplasia	Squamous, Moderate
* Kidney		Nephropathy	Minimal
* Liver		Infiltration Cellular	Mixed Cell, Mild
* Lung		Sarcoma	
Mesentery [ Necrosis TGLS = 1-7, 2-21 ]	Fat	Necrosis	Moderate
* Nose	Respirat Epith	Cytoplasmic Alteration	Mild
* Spleen		Hematopoietic Cell Proliferation	Moderate
* Stomach, Forestomach	Epithelium	Hyperplasia	Squamous, Mild
Tissue NOS [ Sarcoma TGLS = 4-22, 6-23 ]	Thoracic	Sarcoma	Multiple
* Uterus [ Hydrometra TGLS = 3-7 ]		Hydrometra	Marked

**PRIMARY CAUSE OF DEATH**

- Tissue NOS Thoracic Sarcoma

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 93023-07  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** 2,4-Hexadienal  
**CAS Number:** 142-83-6

**Date Report Requested:** 10/20/2014  
**Time Report Requested:** 13:41:50  
**First Dose M/F:** NA / NA  
**Lab:** SRI

**ANIMAL ID:** 242

**TRT#:** 2

**SEX:** Female

**DAY ON TEST:** 538

**DOSE:** 0 MG/KG/DY

**DISP:** Natural Death

**HISTO:** 99-85342

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Brain	* Esophagus	* Heart	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Islets, Pancreatic	* Kidney
* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Mammary Gland	* Ovary
* Pancreas	* Parathyroid Gland	* Pituitary Gland	* Salivary Glands
* Skin	* Stomach, Forestomach	* Thyroid Gland	* Trachea
* Urinary Bladder			

**MISSING**

\* Spleen

**AUTO PRECLUDES DIAG.**

* Gallbladder	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Stomach, Glandular			

**OBSERVATIONS**

* Clitoral Gland		Angiectasis	Moderate
[ Angiectasis TGLS = 1-8 ]			
* Heart			
Note: Heart: small area of ventricular myocardium showing bright eosinophilia of muscle fibers is interpreted as artifact and is not diagnosed as a lesion.			
* Liver	Portal Hepatocyte	Infiltration Cellular Vacuolization Cytoplasmic	Lymphocyte, Focal, Mild Diffuse, Moderate
* Lung		Congestion	Moderate
Mesentery		Angiectasis	Focal, Moderate
[ Angiectasis TGLS = 3-21 ]			
* Nose	Olfactory Epi Respirat Epith	Cytoplasmic Alteration Cytoplasmic Alteration	Mild Moderate
* Thymus		Hemorrhage	Mild
* Uterus	Endometrium	Hydrometra Hyperplasia	Moderate Cystic, Mild
[ Hydrometra TGLS = 2-7 ]			

**PRIMARY CAUSE OF DEATH**

- UNCERTAIN

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 93023-07  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** 2,4-Hexadienal  
**CAS Number:** 142-83-6

**Date Report Requested:** 10/20/2014  
**Time Report Requested:** 13:41:50  
**First Dose M/F:** NA / NA  
**Lab:** SRI

**ANIMAL ID:** 243

**TRT#:** 2

**SEX:** Female

**DAY ON TEST:** 733

**DOSE:** 0 MG/KG/DY

**DISP:** Terminal Sacrifice

**HISTO:** 99-87283

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

* Adrenal Cortex	* 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
* Lung	* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Mammary Gland
* Ovary	* Pancreas	* Parathyroid Gland	* Pituitary Gland
* Salivary Glands	* Skin	* Stomach, Forestomach	* Stomach, Glandular
* Thymus	* Trachea	* Urinary Bladder	

**OBSERVATIONS**

Harderian Gland [ Adenoma TGLS = 1-21 ]		Adenoma	
* Kidney		Nephropathy	Minimal
* Liver [ Hepatocellular Adenoma TGLS = 3-23 ]		Hepatocellular Adenoma Infiltration Cellular	Mixed Cell, Mild
Mesentery [ Necrosis TGLS = 2-22 ]	Fat	Necrosis	Moderate
* Nose	Olfactory Epi Respirat Epith	Cytoplasmic Alteration Cytoplasmic Alteration Inflammation	Mild Mild Suppurative, Mild
* Spleen		Hematopoietic Cell Proliferation	Mild
* Thyroid Gland		Degeneration	Cystic, Focal, Mild
* Uterus [ Hyperplasia TGLS = 4-7 ]	Endometrium	Hyperplasia	Cystic, Mild

**PRIMARY CAUSE OF DEATH** -

\* PROTOCOL REQUIRED TISSUE



**Experiment Number:** 93023-07  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** 2,4-Hexadienal  
**CAS Number:** 142-83-6

**Date Report Requested:** 10/20/2014  
**Time Report Requested:** 13:41:50  
**First Dose M/F:** NA / NA  
**Lab:** SRI

**ANIMAL ID:** 244

**TRT#:** 2

**SEX:** Female

**DAY ON TEST:** 733

**DOSE:** 0 MG/KG/DY

**DISP:** Terminal Sacrifice

**HISTO:** 99-87284

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

* Adrenal Cortex	* 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
* Lung	* Lymph Node, Mandibular	* Mammary Gland	* Ovary
* Pancreas	* Parathyroid Gland	* Salivary Glands	* Skin
* Stomach, Forestomach	* Stomach, Glandular	* Thymus	* Thyroid Gland
* Trachea			

**OBSERVATIONS**

* Kidney		Nephropathy	Minimal
* Liver		Hepatocellular Adenoma	
		Infiltration Cellular	Mixed Cell, Mild
	[ Hepatocellular Adenoma TGLS = 5-22 ]		
* Lymph Node, Mesenteric		Hyperplasia	Plasma Cell, Mild
Mesentery	Fat	Necrosis	Moderate
	[ Necrosis TGLS = 4-21 ]		
* Nose	Olfactory Epi	Cytoplasmic Alteration	Minimal
	Respirat Epith	Cytoplasmic Alteration	Mild
* Pituitary Gland	Pars Distalis	Adenoma	
	Pars Distalis	Cyst	Multiple, Moderate
	Note: Pituitary cysts are within pituitary adenoma.		
	[ Adenoma TGLS = 7-1 ]		
	[ Cyst TGLS = 7-1 ]		
* Spleen		Hematopoietic Cell Proliferation	Mild
* Urinary Bladder	Transit Epithe	Hyperplasia	Minimal
* Uterus		Hydrometra	Marked
	Endometrium	Hyperplasia	Cystic, Mild
	[ Hydrometra TGLS = 6-7 ]		

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 93023-07  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** 2,4-Hexadienal  
**CAS Number:** 142-83-6

**Date Report Requested:** 10/20/2014  
**Time Report Requested:** 13:41:50  
**First Dose M/F:** NA / NA  
**Lab:** SRI

**ANIMAL ID:** 245

**TRT#:** 2

**SEX:** Female

**DAY ON TEST:** 733

**DOSE:** 0 MG/KG/DY

**DISP:** Terminal Sacrifice

**HISTO:** 99-87285

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

* Adrenal Cortex	* 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
* Lung	* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Mammary Gland
* Ovary	* Pancreas	* Parathyroid Gland	* Salivary Glands
* Skin	* Stomach, Forestomach	* Stomach, Glandular	* Thymus
* Thyroid Gland	* Trachea	* Urinary Bladder	

**OBSERVATIONS**

Harderian Gland [ Adenoma TGLS = 4-22 ]		Adenoma	
* Kidney		Infarct	Mild
		Nephropathy	Minimal
* Liver		Infiltration Cellular	Mixed Cell, Mild
Mesentery [ Necrosis TGLS = 3-21 ]	Fat	Necrosis	Moderate
* Nose	Olfactory Epi	Cytoplasmic Alteration	Minimal
	Respirat Epith	Cytoplasmic Alteration	Moderate
* Pituitary Gland	Pars Distalis	Degeneration	Cystic, Focal, Mild
* Spleen [ Hematopoietic Cell Proliferation TGLS = 2-6 ]		Hematopoietic Cell Proliferation	Moderate
* Uterus		Cyst	Mild
		Hydrometra	Moderate
	Endometrium	Hyperplasia	Cystic, Moderate

Note: Uterine cyst is hemorrhagic type.  
[ Hydrometra TGLS = 1-7 ]

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 93023-07  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** 2,4-Hexadienal  
**CAS Number:** 142-83-6

**Date Report Requested:** 10/20/2014  
**Time Report Requested:** 13:41:50  
**First Dose M/F:** NA / NA  
**Lab:** SRI

**ANIMAL ID:** 246

**TRT#:** 2

**SEX:** Female

**DAY ON TEST:** 712

**DOSE:** 0 MG/KG/DY

**DISP:** Natural Death

**HISTO:** 99-86709

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Brain
* Clitoral Gland	* Esophagus	* Islets, Pancreatic	* Lymph Node, Mandibular
* Mammary Gland	* Ovary	* Pancreas	* Parathyroid Gland
* Pituitary Gland	* Salivary Glands	* Skin	* Stomach, Forestomach
* Thymus	* Thyroid Gland	* Trachea	* Urinary Bladder

**AUTO PRECLUDES DIAG.**

* Gallbladder	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	

**INSUFFICIENT TISSUE**

\* Lymph Node, Mesenteric

**OBSERVATIONS**

Blood Vessel	Aorta	Mineralization	Moderate
	Pulmn Artery	Mineralization	Moderate
	Pulmn Vein	Mineralization	Moderate
* Bone Marrow	Myeloid Cell	Hyperplasia	Moderate
* Heart		Mineralization	Focal, Moderate
* Kidney	Artery	Mineralization	Moderate
* Liver		Infiltration Cellular	Mixed Cell, Moderate
	Centrilobular, Hepatocyte	Necrosis	Moderate
* Lung		Fibrosis	Focal, Mild
	Artery	Mineralization	Moderate
	Vein	Mineralization	Moderate
Mesentery	Artery	Mineralization	Moderate
	Fat	Necrosis	Moderate
	[ Necrosis TGLS = 2-22, 4-23 ]		
* Nose	Respirat Epith	Cytoplasmic Alteration	Moderate
Skeletal Muscle		Sarcoma	
	[ Sarcoma TGLS = 1-21 ]		
* Spleen		Hematopoietic Cell Proliferation	Moderate
	[ Hematopoietic Cell Proliferation TGLS = 5-6 ]		

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 93023-07  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** 2,4-Hexadienal  
**CAS Number:** 142-83-6

**Date Report Requested:** 10/20/2014  
**Time Report Requested:** 13:41:50  
**First Dose M/F:** NA / NA  
**Lab:** SRI

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<b>ANIMAL ID:</b> 246	<b>TRT#:</b> 2	<b>SEX:</b> Female	<b>DAY ON TEST:</b> 712
	<b>DOSE:</b> 0 MG/KG/DY	<b>DISP:</b> Natural Death	<b>HISTO:</b> 99-86709

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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* Stomach, Glandular	Muscularis	Mineralization	Moderate
* Uterus		Hydrometra	Moderate
[ Hydrometra TGLS = 3-7 ]			

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**PRIMARY CAUSE OF DEATH** - Skeletal Muscle Sarcoma

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 93023-07  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** 2,4-Hexadienal  
**CAS Number:** 142-83-6

**Date Report Requested:** 10/20/2014  
**Time Report Requested:** 13:41:50  
**First Dose M/F:** NA / NA  
**Lab:** SRI

**ANIMAL ID:** 247

**TRT#:** 2

**SEX:** Female

**DAY ON TEST:** 732

**DOSE:** 0 MG/KG/DY

**DISP:** Terminal Sacrifice

**HISTO:** 99-87286

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

* Adrenal Cortex	* 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
* Lung	* Lymph Node, Mesenteric	* Pancreas	* Parathyroid Gland
* Pituitary Gland	* Salivary Glands	* Skin	* Stomach, Forestomach
* Stomach, Glandular	* Thymus	* Thyroid Gland	* Trachea
* Urinary Bladder			

**MISSING**

\* Lymph Node, Mandibular

**OBSERVATIONS**

Blood Vessel	Aorta	Mineralization	Mild
	Pulmn Artery	Mineralization	Mild
	Pulmn Vein	Mineralization	Mild
* Kidney	Artery	Mineralization	Moderate
* Liver	Hepatocyte	Depletion Glycogen	Diffuse, Marked
		Infiltration Cellular	Mixed Cell, Mild
Lymph Node	Mediastinal	Hyperplasia	Plasma Cell, Moderate
* Mammary Gland		Ectasia	Mild
		Hyperplasia	Moderate
Mesentery	Artery	Mineralization	Mild
	Fat	Necrosis	Moderate
[ Necrosis TGLS = 3-22 ]			
* Nose	Olfactory Epi	Cytoplasmic Alteration	Minimal
	Respirat Epith	Cytoplasmic Alteration	Minimal
* Ovary		Cyst	Moderate
[ Cyst TGLS = 4-7 ]			
Skeletal Muscle		Sarcoma	
[ Sarcoma TGLS = 1-21 ]			
* Spleen		Hematopoietic Cell Proliferation	Moderate

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 93023-07  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** 2,4-Hexadienal  
**CAS Number:** 142-83-6

**Date Report Requested:** 10/20/2014  
**Time Report Requested:** 13:41:50  
**First Dose M/F:** NA / NA  
**Lab:** SRI

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<b>ANIMAL ID:</b> 247	<b>TRT#:</b> 2	<b>SEX:</b> Female	<b>DAY ON TEST:</b> 732
	<b>DOSE:</b> 0 MG/KG/DY	<b>DISP:</b> Terminal Sacrifice	<b>HISTO:</b> 99-87286

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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[ Hematopoietic Cell Proliferation TGLS = 2-6 ]			
* Uterus	Endometrium	Hyperplasia	Cystic, Moderate
[ Hyperplasia TGLS = 5-7 ]			

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PRIMARY CAUSE OF DEATH

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 93023-07  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** 2,4-Hexadienal  
**CAS Number:** 142-83-6

**Date Report Requested:** 10/20/2014  
**Time Report Requested:** 13:41:50  
**First Dose M/F:** NA / NA  
**Lab:** SRI

**ANIMAL ID:** 248

**TRT#:** 2

**SEX:** Female

**DAY ON TEST:** 732

**DOSE:** 0 MG/KG/DY

**DISP:** Terminal Sacrifice

**HISTO:** 99-87287

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

* Adrenal Cortex	* 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
* Lung	* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Mammary Gland
* Ovary	* Pancreas	* Parathyroid Gland	* Pituitary Gland
* Salivary Glands	* Skin	* Stomach, Forestomach	* Stomach, Glandular
* Thymus	* Thyroid Gland	* Trachea	* Urinary Bladder

**OBSERVATIONS**

* Adren Medulla			
Note: Medulla of one adrenal gland is missing.			
* Kidney		Infarct	Moderate
		Nephropathy	Mild
[ Infarct TGLS = 4-5 ]			
* Liver	Hepatocyte	Depletion Glycogen	Diffuse, Marked
		Hepatocellular Adenoma	
		Infiltration Cellular	Mixed Cell, Minimal
[ Hepatocellular Adenoma TGLS = 5-22 ]			
Lymph Node	Iliac	Hyperplasia	Plasma Cell, Moderate
	Iliac	Pigmentation	Mild
[ Pigmentation TGLS = 6-23 ]			
* Nose	Olfactory Epi	Cytoplasmic Alteration	Mild
	Respirat Epith	Cytoplasmic Alteration	Mild
		Inflammation	Suppurative, Minimal
Skeletal Muscle		Sarcoma	
[ Sarcoma TGLS = 2-21 ]			
* Spleen		Hematopoietic Cell Proliferation	Moderate
[ Hematopoietic Cell Proliferation TGLS = 3-6 ]			
* Uterus		Hydrometra	Moderate
[ Hydrometra TGLS = 1-7 ]			

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 93023-07  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** 2,4-Hexadienal  
**CAS Number:** 142-83-6

**Date Report Requested:** 10/20/2014  
**Time Report Requested:** 13:41:50  
**First Dose M/F:** NA / NA  
**Lab:** SRI

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**ANIMAL ID:** 248

**TRT#:** 2

**SEX:** Female

**DAY ON TEST:** 732

**DOSE:** 0 MG/KG/DY

**DISP:** Terminal Sacrifice

**HISTO:** 99-87287

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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PRIMARY CAUSE OF DEATH

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\* PROTOCOL REQUIRED TISSUE





**Experiment Number:** 93023-07  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** 2,4-Hexadienal  
**CAS Number:** 142-83-6

**Date Report Requested:** 10/20/2014  
**Time Report Requested:** 13:41:50  
**First Dose M/F:** NA / NA  
**Lab:** SRI

**ANIMAL ID:** 249

**TRT#:** 2

**SEX:** Female

**DAY ON TEST:** 698

**DOSE:** 0 MG/KG/DY

**DISP:** Moribund Sacrifice

**HISTO:** 99-86710

**ORGAN AND ACCOUNTABLE SITE STATUS**

* Parathyroid Gland		Cyst	Moderate
Peritoneum		Sarcoma	Metastatic (Skeletal Muscle)
Skeletal Muscle		Sarcoma	
[ Sarcoma TGLS = 9-22 ]			
* Spleen		Hematopoietic Cell Proliferation	Moderate
		Sarcoma	Metastatic (Skeletal Muscle)
[ Sarcoma TGLS = 1-21 ]			
* Stomach, Glandular	Serosa	Sarcoma	Metastatic (Skeletal Muscle)
* Uterus		Hydrometra	Moderate
	Endometrium	Hyperplasia	Cystic, Mild
[ Hydrometra TGLS = 3-7 ]			

**PRIMARY CAUSE OF DEATH** - Skeletal Muscle Sarcoma

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 93023-07  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** 2,4-Hexadienal  
**CAS Number:** 142-83-6

**Date Report Requested:** 10/20/2014  
**Time Report Requested:** 13:41:50  
**First Dose M/F:** NA / NA  
**Lab:** SRI

**ANIMAL ID:** 250

**TRT#:** 2

**SEX:** Female

**DAY ON TEST:** 732

**DOSE:** 0 MG/KG/DY

**DISP:** Terminal Sacrifice

**HISTO:** 99-87288

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* 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	* Mammary Gland	* Ovary	* Pancreas
* Parathyroid Gland	* Salivary Glands	* Skin	* Spleen
* Stomach, Forestomach	* Stomach, Glandular	* Thymus	* Trachea
* Urinary Bladder			

**MISSING**

\* Clitoral Gland

**INSUFFICIENT TISSUE**

\* Pituitary Gland

**OBSERVATIONS**

* Brain		Compression	Focal, Moderate
[ Compression TGLS = 3-1 ]			
* Kidney		Cyst	Mild
* Liver		Infiltration Cellular	Mixed Cell, Minimal
Mesentery	Fat	Necrosis	Moderate
[ Necrosis TGLS = 1-21 ]			
* Nose	Olfactory Epi	Cytoplasmic Alteration	Mild
	Respirat Epith	Cytoplasmic Alteration	Mild
		Inflammation	Suppurative, Mild
* Pituitary Gl			
Note: Pituitary gland tissue (TGL 4) was insufficient to make reliable diagnosis.			
* Thyroid Gland	Bilateral, Follicular Cel	Adenoma	
[ Adenoma TGLS = 5-3 ]			
* Uterus		Hydrometra	Mild
	Endometrium	Hyperplasia	Cystic, Moderate
[ Hydrometra TGLS = 2-7 ]			

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 93023-07  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** 2,4-Hexadienal  
**CAS Number:** 142-83-6

**Date Report Requested:** 10/20/2014  
**Time Report Requested:** 13:41:50  
**First Dose M/F:** NA / NA  
**Lab:** SRI

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**ANIMAL ID:** 250

**TRT#:** 2

**SEX:** Female

**DAY ON TEST:** 732

**DOSE:** 0 MG/KG/DY

**DISP:** Terminal Sacrifice

**HISTO:** 99-87288

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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PRIMARY CAUSE OF DEATH

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 93023-07  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** 2,4-Hexadienal  
**CAS Number:** 142-83-6

**Date Report Requested:** 10/20/2014  
**Time Report Requested:** 13:41:50  
**First Dose M/F:** NA / NA  
**Lab:** SRI

**ANIMAL ID:** 251

**TRT#:** 4

**SEX:** Female

**DAY ON TEST:** 733

**DOSE:** 30 MG/KG/DY

**DISP:** Terminal Sacrifice

**HISTO:** 99-87481

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

* Adrenal Cortex	* 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	* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Mammary Gland
* Ovary	* Pancreas	* Parathyroid Gland	* Pituitary Gland
* Salivary Glands	* Skin	* Stomach, Forestomach	* Stomach, Glandular
* Thymus	* Thyroid Gland	* Trachea	* Urinary Bladder

**OBSERVATIONS**

Harderian Gland [ Adenoma TGLS = 3-22 ]		Adenoma	
* Liver		Infiltration Cellular	Mixed Cell, Minimal
* Lung		Hyperplasia	Lymphoid, Moderate
Mesentery [ Necrosis TGLS = 2-21 ]	Fat	Necrosis	Moderate
* Nose	Olfactory Epi Respirat Epith	Cytoplasmic Alteration Cytoplasmic Alteration Inflammation	Minimal Mild Suppurative, Minimal
* Spleen [ Hematopoietic Cell Proliferation TGLS = 1-6 ]		Hematopoietic Cell Proliferation	Mild
* Uterus [ Hyperplasia TGLS = 4-7 ]	Endometrium	Hyperplasia	Cystic, Mild

**PRIMARY CAUSE OF DEATH**

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 93023-07  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** 2,4-Hexadienal  
**CAS Number:** 142-83-6

**Date Report Requested:** 10/20/2014  
**Time Report Requested:** 13:41:50  
**First Dose M/F:** NA / NA  
**Lab:** SRI

**ANIMAL ID:** 252

**TRT#:** 4

**SEX:** Female

**DAY ON TEST:** 733

**DOSE:** 30 MG/KG/DY

**DISP:** Terminal Sacrifice

**HISTO:** 99-87482

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

* Adrenal Cortex	* 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
* Lung	* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Mammary Gland
* Ovary	* Pancreas	* Parathyroid Gland	* Salivary Glands
* Skin	* Stomach, Forestomach	* Stomach, Glandular	* Thymus
* Trachea	* Urinary Bladder		

**OBSERVATIONS**

* Kidney		Nephropathy	Minimal
* Liver		Infiltration Cellular	Mixed Cell, Minimal
	Hepatocyte, Periportal	Vacuolization Cytoplasmic	Mild
Mesentery		Angiectasis	Mild
		Hemorrhage	Mild
[ Angiectasis TGLS = 1-21 ]			
[ Hemorrhage TGLS = 1-21 ]			
* Nose	Olfactory Epi	Cytoplasmic Alteration	Minimal
	Respirat Epith	Cytoplasmic Alteration	Moderate
* Pituitary Gland	Pars Distalis	Hyperplasia	Focal, Mild
* Spleen		Hematopoietic Cell Proliferation	Mild
* Thyroid Gland		Degeneration	Cystic, Focal, Mild
* Uterus	Endometrium	Hyperplasia	Cystic, Moderate
[ Hyperplasia TGLS = 2-7 ]			

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 93023-07  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** 2,4-Hexadienal  
**CAS Number:** 142-83-6

**Date Report Requested:** 10/20/2014  
**Time Report Requested:** 13:41:50  
**First Dose M/F:** NA / NA  
**Lab:** SRI

**ANIMAL ID:** 253

**TRT#:** 4

**SEX:** Female

**DAY ON TEST:** 733

**DOSE:** 30 MG/KG/DY

**DISP:** Terminal Sacrifice

**HISTO:** 99-87483

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

* Adrenal Cortex	* 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	* Mammary Gland	* Pancreas
* Parathyroid Gland	* Salivary Glands	* Skin	* Stomach, Forestomach
* Stomach, Glandular	* Thymus	* Trachea	* Urinary Bladder

**OBSERVATIONS**

* Liver		Infiltration Cellular	Mixed Cell, Minimal
Lymph Node	Inguinal	Histiocytic Sarcoma	
	Renal	Histiocytic Sarcoma	
			[ Histiocytic Sarcoma TGLS = 6-21 ]
			[ Histiocytic Sarcoma TGLS = 7-22 ]
* Lymph Node, Mandibular		Histiocytic Sarcoma	
			[ Histiocytic Sarcoma TGLS = 1-8 ]
* Lymph Node, Mesenteric		Histiocytic Sarcoma	
			[ Histiocytic Sarcoma TGLS = 5-5 ]
* Nose	Respirat Epith	Cytoplasmic Alteration	Mild
		Inflammation	Suppurative, Mild
* Ovary		Cyst	Moderate
			[ Cyst TGLS = 3-7 ]
* Pituitary Gland		Angiectasis	Mild
	Pars Distalis	Hyperplasia	Focal, Mild
* Spleen		Congestion	Moderate
		Hematopoietic Cell Proliferation	Mild
			[ Congestion TGLS = 4-6 ]
			[ Hematopoietic Cell Proliferation TGLS = 4-6 ]
* Thyroid Gland		Degeneration	Cystic, Focal, Mild
* Uterus		Hydrometra	Marked
	Endometrium	Hyperplasia	Cystic, Mild

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 93023-07  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** 2,4-Hexadienal  
**CAS Number:** 142-83-6

**Date Report Requested:** 10/20/2014  
**Time Report Requested:** 13:41:50  
**First Dose M/F:** NA / NA  
**Lab:** SRI

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**ANIMAL ID:** 253

**TRT#:** 4

**SEX:** Female

**DAY ON TEST:** 733

**DOSE:** 30 MG/KG/DY

**DISP:** Terminal Sacrifice

**HISTO:** 99-87483

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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[ Hydrometra TGLS = 2-7 ]

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PRIMARY CAUSE OF DEATH

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\* PROTOCOL REQUIRED TISSUE



**Experiment Number:** 93023-07  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** 2,4-Hexadienal  
**CAS Number:** 142-83-6

**Date Report Requested:** 10/20/2014  
**Time Report Requested:** 13:41:50  
**First Dose M/F:** NA / NA  
**Lab:** SRI

**ANIMAL ID:** 254

**TRT#:** 4

**SEX:** Female

**DAY ON TEST:** 733

**DOSE:** 30 MG/KG/DY

**DISP:** Terminal Sacrifice

**HISTO:** 99-87484

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

* Adrenal Cortex	* 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
* Lung	* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Mammary Gland
* Ovary	* Pancreas	* Parathyroid Gland	* Pituitary Gland
* Salivary Glands	* Skin	* Spleen	* Stomach, Forestomach
* Stomach, Glandular	* Thymus	* Trachea	* Urinary Bladder

**OBSERVATIONS**

* Kidney		Cyst	Minimal
* Liver		Infiltration Cellular	Mixed Cell, Minimal
	Hepatocyte	Mixed Cell Focus	Minimal
Mesentery	Fat	Necrosis	Mild
[ Necrosis TGLS = 1-21 ]			
* Nose	Olfactory Epi	Cytoplasmic Alteration	Mild
	Respirat Epith	Cytoplasmic Alteration	Mild
* Thyroid Gland		Degeneration	Cystic, Focal, Mild
* Uterus		Hydrometra	Moderate
	Endometrium	Hyperplasia	Cystic, Moderate
[ Hydrometra TGLS = 2-7 ]			

**PRIMARY CAUSE OF DEATH**

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 93023-07  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** 2,4-Hexadienal  
**CAS Number:** 142-83-6

**Date Report Requested:** 10/20/2014  
**Time Report Requested:** 13:41:50  
**First Dose M/F:** NA / NA  
**Lab:** SRI

**ANIMAL ID:** 256

**TRT#:** 4

**SEX:** Female

**DAY ON TEST:** 733

**DOSE:** 30 MG/KG/DY

**DISP:** Terminal Sacrifice

**HISTO:** 99-87485

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

* Adrenal Cortex	* 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
* Lung	* Lymph Node, Mandibular	* Mammary Gland	* Ovary
* Pancreas	* Pituitary Gland	* Salivary Glands	* Skin
* Stomach, Glandular	* Thymus	* Trachea	* Urinary Bladder

**MISSING**

\* Parathyroid Gland

**OBSERVATIONS**

Eye [ Atrophy TGLS = 1-21 ]		Atrophy	Moderate
Harderian Gland [ Adenoma TGLS = 5-25 ]		Adenoma	
* Kidney		Nephropathy	Minimal
* Liver		Infiltration Cellular	Mixed Cell, Mild
* Lymph Node, Mesenteric		Hyperplasia	Plasma Cell, Moderate
Mesentery [ Angiectasis TGLS = 2-22 ] [ Necrosis TGLS = 3-23, 4-24 ]	Lymphatic Fat	Angiectasis Necrosis	Mild Moderate
* Nose	Olfactory Epi Respirat Epith	Cytoplasmic Alteration Cytoplasmic Alteration Inflammation	Mild Mild Suppurative, Mild
* Spleen		Hematopoietic Cell Proliferation	Mild
* Stomach, Forestomach [ Squamous Cell Papilloma TGLS = 8-26 ]		Squamous Cell Papilloma	
* Thyroid Gland		Degeneration	Cystic, Focal, Mild
* Uterus	Endometrium	Hydrometra Hyperplasia	Moderate Cystic, Moderate

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 93023-07  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** 2,4-Hexadienal  
**CAS Number:** 142-83-6

**Date Report Requested:** 10/20/2014  
**Time Report Requested:** 13:41:50  
**First Dose M/F:** NA / NA  
**Lab:** SRI

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**ANIMAL ID:** 256

**TRT#:** 4

**SEX:** Female

**DAY ON TEST:** 733

**DOSE:** 30 MG/KG/DY

**DISP:** Terminal Sacrifice

**HISTO:** 99-87485

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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[ Hydrometra TGLS = 6-7 ]

[ Hyperplasia TGLS = 7-7 ]

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PRIMARY CAUSE OF DEATH

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 93023-07  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** 2,4-Hexadienal  
**CAS Number:** 142-83-6

**Date Report Requested:** 10/20/2014  
**Time Report Requested:** 13:41:50  
**First Dose M/F:** NA / NA  
**Lab:** SRI

**ANIMAL ID:** 257

**TRT#:** 4

**SEX:** Female

**DAY ON TEST:** 733

**DOSE:** 30 MG/KG/DY

**DISP:** Terminal Sacrifice

**HISTO:** 99-87486

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

* Adrenal Cortex	* 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	* Ovary	* Pancreas	* Parathyroid Gland
* Salivary Glands	* Skin	* Stomach, Forestomach	* Stomach, Glandular
* Thymus	* Trachea	* Urinary Bladder	

**OBSERVATIONS**

* Liver		Infiltration Cellular	Mixed Cell, Mild
* Nose	Respirat Epith	Cytoplasmic Alteration	Mild
* Pituitary Gland	Pars Distalis	Degeneration	Cystic, Focal, Minimal
	Pars Distalis	Hyperplasia	Focal, Mild
* Spleen		Hyperplasia	Lymphoid, Moderate
[ Hyperplasia TGLS = 2-6 ]			
* Thyroid Gland		Degeneration	Cystic, Focal, Mild
* Uterus		Hydrometra	Moderate
	Endometrium	Hyperplasia	Cystic, Mild
[ Hydrometra TGLS = 1-7 ]			

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE



**Experiment Number:** 93023-07  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** 2,4-Hexadienal  
**CAS Number:** 142-83-6

**Date Report Requested:** 10/20/2014  
**Time Report Requested:** 13:41:50  
**First Dose M/F:** NA / NA  
**Lab:** SRI

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<b>ANIMAL ID:</b> 258	<b>TRT#:</b> 4	<b>SEX:</b> Female	<b>DAY ON TEST:</b> 587
	<b>DOSE:</b> 30 MG/KG/DY	<b>DISP:</b> Moribund Sacrifice	<b>HISTO:</b> 99-85914

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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[ Lymphoma Malignant TGLS = 3-6 ]			
* Stomach, Glandular		Lymphoma Malignant	
* Thymus		Lymphoma Malignant	
[ Lymphoma Malignant TGLS = 8-2 ]			
* Thyroid Gland		Degeneration	Cystic, Focal, Minimal
* Urinary Bladder		Lymphoma Malignant	
* Uterus		Hydrometra	Moderate
	Endometrium	Hyperplasia	Cystic, Moderate
		Lymphoma Malignant	
[ Lymphoma Malignant TGLS = 4-7 ]			

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**PRIMARY CAUSE OF DEATH** - Liver Lymphoma Malignant

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 93023-07  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** 2,4-Hexadienal  
**CAS Number:** 142-83-6

**Date Report Requested:** 10/20/2014  
**Time Report Requested:** 13:41:50  
**First Dose M/F:** NA / NA  
**Lab:** SRI

**ANIMAL ID:** 259

**TRT#:** 4

**SEX:** Female

**DAY ON TEST:** 664

**DOSE:** 30 MG/KG/DY

**DISP:** Natural Death

**HISTO:** 99-86613

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Esophagus
* Mammary Gland	* Parathyroid Gland	* Skin	* Thyroid Gland

**MISSING**

* Lymph Node, Mandibular	* Pituitary Gland	* Salivary Glands
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**AUTO PRECLUDES DIAG.**

* Clitoral Gland	* Gallbladder	* Intestine Large, Cecum	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Ovary
* Pancreas	* Stomach, Glandular	* Urinary Bladder	

**INSUFFICIENT TISSUE**

\* Brain

**OBSERVATIONS**

* Bone Marrow		Histiocytic Sarcoma	
* Heart		Histiocytic Sarcoma	
* Intestine Large, Colon		Histiocytic Sarcoma	
* Intestine Small, Ileum		Histiocytic Sarcoma	
* Kidney		Histiocytic Sarcoma	
Note: Postmortem autolysis precluded reliable microscopic evaluation of renal tubules, but in other respects, any lesions of kidneys were recorded.			
* Liver		Histiocytic Sarcoma	
	Hepatocyte	Necrosis	Focal, Moderate
* Lung	Mediastinum	Histiocytic Sarcoma	
		Histiocytic Sarcoma	
Lymph Node	Bronchial	Histiocytic Sarcoma	
	Iliac	Histiocytic Sarcoma	
[ Histiocytic Sarcoma TGLS = 7-24 ]			
* Lymph Node, Mesenteric		Histiocytic Sarcoma	
[ Histiocytic Sarcoma TGLS = 5-5 ]			
Mesentery		Histiocytic Sarcoma	
	Fat	Necrosis	Moderate
[ Histiocytic Sarcoma TGLS = 6-23 ]			

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 93023-07  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** 2,4-Hexadienal  
**CAS Number:** 142-83-6

**Date Report Requested:** 10/20/2014  
**Time Report Requested:** 13:41:50  
**First Dose M/F:** NA / NA  
**Lab:** SRI

**ANIMAL ID:** 259

**TRT#:** 4

**SEX:** Female

**DAY ON TEST:** 664

**DOSE:** 30 MG/KG/DY

**DISP:** Natural Death

**HISTO:** 99-86613

**ORGAN AND ACCOUNTABLE SITE STATUS**

<p>[ Necrosis TGLS = 3-21, 4-22 ]  * Nose   Skeletal Muscle  [ Histiocytic Sarcoma TGLS = 9-2 ]  * Spleen   [ Congestion TGLS = 2-6 ]  [ Hemorrhage TGLS = 2-6 ]  [ Histiocytic Sarcoma TGLS = 2-6 ]  [ Necrosis TGLS = 2-6 ]  * Stomach, Forestomach  * Thymus  [ Histiocytic Sarcoma TGLS = 9-2 ]  Tissue NOS  [ Abscess TGLS = 8-25 ]  * Trachea  * Uterus   [ Hydrometra TGLS = 1-7 ]</p>	<p>Respirat Epith          Epithelium          Abdominal    Peritrach Tiss</p>	<p>Cytoplasmic Alteration  Inflammation  Histiocytic Sarcoma   Congestion  Hemorrhage  Histiocytic Sarcoma  Necrosis   Hyperplasia  Histiocytic Sarcoma   Abscess   Histiocytic Sarcoma  Cyst  Histiocytic Sarcoma  Hydrometra</p>	<p>Moderate  Suppurative, Mild          Moderate  Mild   Focal, Moderate          Squamous, Mild            Moderate            Multiple, Mild   Moderate</p>
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**PRIMARY CAUSE OF DEATH** - Lung Mediastinum Histiocytic Sarcoma

\* PROTOCOL REQUIRED TISSUE



**Experiment Number:** 93023-07  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** 2,4-Hexadienal  
**CAS Number:** 142-83-6

**Date Report Requested:** 10/20/2014  
**Time Report Requested:** 13:41:50  
**First Dose M/F:** NA / NA  
**Lab:** SRI

**ANIMAL ID:** 260

**TRT#:** 4

**SEX:** Female

**DAY ON TEST:** 733

**DOSE:** 30 MG/KG/DY

**DISP:** Terminal Sacrifice

**HISTO:** 99-87487

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Brain	* Clitoral Gland	* Esophagus	* 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	* Ovary	* Pancreas
* Parathyroid Gland	* Pituitary Gland	* Salivary Glands	* Skin
* Spleen	* Stomach, Forestomach	* Stomach, Glandular	* Thymus
* Thyroid Gland	* Trachea	* Urinary Bladder	

**OBSERVATIONS**

* Gallbladder		Cyst	Minimal
		Hyperplasia	Lymphoid, Mild
* Kidney		Nephropathy	Minimal
* Liver		Hyperplasia	Lymphoid, Focal, Mild
		Infiltration Cellular	Mixed Cell, Mild
* Lung		Hyperplasia	Lymphoid, Moderate
Mesentery	Fat	Necrosis	Moderate
[ Necrosis TGLS = 2-21 ]			
* Nose	Olfactory Epi	Cytoplasmic Alteration	Minimal
	Respirat Epith	Cytoplasmic Alteration	Minimal
		Inflammation	Suppurative, Mild
* Uterus		Hydrometra	Moderate
	Endometrium	Hyperplasia	Cystic, Mild
[ Hydrometra TGLS = 1-7 ]			

**PRIMARY CAUSE OF DEATH**

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 93023-07  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** 2,4-Hexadienal  
**CAS Number:** 142-83-6

**Date Report Requested:** 10/20/2014  
**Time Report Requested:** 13:41:50  
**First Dose M/F:** NA / NA  
**Lab:** SRI

**ANIMAL ID:** 261

**TRT#:** 4

**SEX:** Female

**DAY ON TEST:** 685

**DOSE:** 30 MG/KG/DY

**DISP:** Moribund Sacrifice

**HISTO:** 99-86614

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

* Adrenal Cortex	* 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	* Ovary	* Pancreas	* Parathyroid Gland
Peripheral Nerve	* Pituitary Gland	Skeletal Muscle	* Skin
Spinal Cord	* Spleen	* Stomach, Forestomach	* Stomach, Glandular
* Thymus	* Trachea	* Urinary Bladder	

**MISSING**

\* Thyroid Gland

**OBSERVATIONS**

* Liver	Hepatocyte	Basophilic Focus Vacuolization Cytoplasmic	Diffuse, Moderate
<p>Note: Cytoplasmic vacuolization of liver has morphology typical of fatty change.  [ Basophilic Focus TGLS = 2-21 ]  [ Vacuolization Cytoplasmic TGLS = 1-6 ]</p>			
* Nose	Respirat Epith	Cytoplasmic Alteration	Moderate
* Parathyroid GI			
<p>Note: Parathyroid gland is on slide 2, embedded in thymus.</p>			
* Salivary Glands	Submandibul GI	Vacuolization Cytoplasmic	Moderate
* Uterus	Endometrium	Hydrometra Hyperplasia	Moderate Cystic, Moderate
<p>[ Hydrometra TGLS = 3-7 ]  [ Hyperplasia TGLS = 3-7 ]</p>			

**PRIMARY CAUSE OF DEATH**

- UNCERTAIN

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 93023-07  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** 2,4-Hexadienal  
**CAS Number:** 142-83-6

**Date Report Requested:** 10/20/2014  
**Time Report Requested:** 13:41:50  
**First Dose M/F:** NA / NA  
**Lab:** SRI

**ANIMAL ID:** 262

**TRT#:** 4

**SEX:** Female

**DAY ON TEST:** 732

**DOSE:** 30 MG/KG/DY

**DISP:** Terminal Sacrifice

**HISTO:** 99-87488

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

* Adrenal Cortex	* 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
* Lung	* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Mammary Gland
* Ovary	* Pancreas	* Parathyroid Gland	* Pituitary Gland
* Salivary Glands	* Skin	* Stomach, Forestomach	* Stomach, Glandular
* Thymus	* Thyroid Gland	* Trachea	* Urinary Bladder

**OBSERVATIONS**

* Kidney		Nephropathy	Minimal
* Liver		Infiltration Cellular	Mixed Cell, Minimal
	Hepatocyte, Midzonal	Vacuolization Cytoplasmic	Minimal
* Nose	Olfactory Epi	Cytoplasmic Alteration	Minimal
	Respirat Epith	Cytoplasmic Alteration	Minimal
		Inflammation	Suppurative, Minimal
* Spleen		Hematopoietic Cell Proliferation	Moderate
	[ Hematopoietic Cell Proliferation TGLS = 2-6 ]		
* Uterus		Hydrometra	Moderate
	Endometrium	Hyperplasia	Cystic, Mild
	[ Hydrometra TGLS = 1-7 ]		

**PRIMARY CAUSE OF DEATH**

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 93023-07  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** 2,4-Hexadienal  
**CAS Number:** 142-83-6

**Date Report Requested:** 10/20/2014  
**Time Report Requested:** 13:41:50  
**First Dose M/F:** NA / NA  
**Lab:** SRI

**ANIMAL ID:** 263

**TRT#:** 4

**SEX:** Female

**DAY ON TEST:** 713

**DOSE:** 30 MG/KG/DY

**DISP:** Moribund Sacrifice

**HISTO:** 99-86711

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* 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	* Ovary
* Pancreas	* Parathyroid Gland	* Salivary Glands	* Skin
Spinal Cord	* Spleen	* Stomach, Forestomach	* Stomach, Glandular
* Thymus	* Thyroid Gland	* Trachea	* Urinary Bladder

**OBSERVATIONS**

* Brain		Compression	Focal, Moderate
[ Compression TGLS = 6-1 ]			
* Clitoral Gland		Degeneration	Cystic, Moderate
[ Degeneration TGLS = 1-8 ]			
* Liver	Hepatocyte	Eosinophilic Focus Hepatocellular Adenoma	Mild
[ Eosinophilic Focus TGLS = 4-23 ]			
[ Hepatocellular Adenoma TGLS = 5-24 ]			
Mesentery	Fat	Necrosis	Moderate
[ Necrosis TGLS = 2-21, 3-22 ]			
* Nose	Olfactory Epi Respirat Epith	Cytoplasmic Alteration Cytoplasmic Alteration Inflammation	Mild Moderate Suppurative, Mild
* Pituitary Gland	Pars Distalis	Adenoma	
[ Adenoma TGLS = 7-1 ]			
* Uterus	Endometrium	Hydrometra Hyperplasia	Moderate Cystic, Mild

**PRIMARY CAUSE OF DEATH** - Pituitary Gland Pars Distalis Adenoma

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 93023-07  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** 2,4-Hexadienal  
**CAS Number:** 142-83-6

**Date Report Requested:** 10/20/2014  
**Time Report Requested:** 13:41:50  
**First Dose M/F:** NA / NA  
**Lab:** SRI

**ANIMAL ID:** 264

**TRT#:** 4

**SEX:** Female

**DAY ON TEST:** 683

**DOSE:** 30 MG/KG/DY

**DISP:** Moribund Sacrifice

**HISTO:** 99-86615

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Brain	* Esophagus	* 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	* Ovary	* Parathyroid Gland	* Pituitary Gland
* Salivary Glands	* Skin	* Stomach, Glandular	* Thyroid Gland
* Trachea	* Urinary Bladder		

**MISSING**

* Clitoral Gland	* Gallbladder
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**INSUFFICIENT TISSUE**

\* Thymus

**OBSERVATIONS**

* Kidney		Nephropathy	Moderate
	Renal Tubule	Pigmentation	Moderate
* Liver		Hepatocellular Carcinoma	
	Hepatocyte, Periportal	Infiltration Cellular	Mixed Cell, Minimal
	[ Hepatocellular Carcinoma TGLS = 3-21 ]	Vacuolization Cytoplasmic	Moderate
* Lung		Hepatocellular Carcinoma	Metastatic (Liver)
	[ Hepatocellular Carcinoma TGLS = 6-2 ]		
* Nose	Respirat Epith	Cytoplasmic Alteration	Mild
* Pancreas	Acinus	Atrophy	Focal, Mild
* Spleen		Hematopoietic Cell Proliferation	Mild
	[ Hyperplasia TGLS = 2-6 ]	Hyperplasia	Lymphoid, Mild
* Stomach, Forestomach	Epithelium	Hyperplasia	Squamous, Minimal
		Inflammation	Focal, Minimal
* Uterus		Hydrometra	Mild
	[ Hydrometra TGLS = 5-7 ]		

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 93023-07  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** 2,4-Hexadienal  
**CAS Number:** 142-83-6

**Date Report Requested:** 10/20/2014  
**Time Report Requested:** 13:41:50  
**First Dose M/F:** NA / NA  
**Lab:** SRI

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**ANIMAL ID:** 264

**TRT#:** 4

**SEX:** Female

**DAY ON TEST:** 683

**DOSE:** 30 MG/KG/DY

**DISP:** Moribund Sacrifice

**HISTO:** 99-86615

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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PRIMARY CAUSE OF DEATH

- Liver Hepatocellular Carcinoma

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 93023-07  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** 2,4-Hexadienal  
**CAS Number:** 142-83-6

**Date Report Requested:** 10/20/2014  
**Time Report Requested:** 13:41:50  
**First Dose M/F:** NA / NA  
**Lab:** SRI

**ANIMAL ID:** 265

**TRT#:** 4

**SEX:** Female

**DAY ON TEST:** 732

**DOSE:** 30 MG/KG/DY

**DISP:** Terminal Sacrifice

**HISTO:** 99-87489

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

* Adrenal Cortex	* 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
* Lung	* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Mammary Gland
* Ovary	* Pancreas	* Parathyroid Gland	* Salivary Glands
* Skin	* Stomach, Forestomach	* Stomach, Glandular	* Thymus
* Thyroid Gland	* Trachea	* Urinary Bladder	* Uterus

**OBSERVATIONS**

* Kidney		Nephropathy	Minimal
* Liver		Infiltration Cellular	Mixed Cell, Minimal
	Hepatocyte, Periportal	Vacuolization Cytoplasmic	Mild
Mesentery	Fat	Necrosis	Moderate
[ Necrosis TGLS = 1-21 ]			
* Nose	Respirat Epith	Cytoplasmic Alteration	Minimal
* Pituitary Gland	Pars Distalis	Adenoma	
	Pars Distalis	Hemorrhage	Focal, Mild
[ Adenoma TGLS = 3-1 ]			
[ Hemorrhage TGLS = 3-1 ]			
* Spleen		Hematopoietic Cell Proliferation	Mild
[ Hematopoietic Cell Proliferation TGLS = 2-6 ]			

**PRIMARY CAUSE OF DEATH**

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 93023-07  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** 2,4-Hexadienal  
**CAS Number:** 142-83-6

**Date Report Requested:** 10/20/2014  
**Time Report Requested:** 13:41:50  
**First Dose M/F:** NA / NA  
**Lab:** SRI

**ANIMAL ID:** 266

**TRT#:** 4

**SEX:** Female

**DAY ON TEST:** 733

**DOSE:** 30 MG/KG/DY

**DISP:** Terminal Sacrifice

**HISTO:** 99-87490

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

* Adrenal Cortex	* 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	* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Mammary Gland
* Ovary	* Pancreas	* Parathyroid Gland	* Pituitary Gland
* Salivary Glands	* Skin	* Stomach, Forestomach	* Stomach, Glandular
* Thymus	* Thyroid Gland	* Trachea	* Urinary Bladder

**OBSERVATIONS**

* Liver	Hepatocyte, Midzonal	Vacuolization Cytoplasmic	Mild
* Lung		Alveolar/Bronchiolar Adenoma	
	[ Alveolar/Bronchiolar Adenoma TGLS = 2-21 ]		
* Nose	Respirat Epith	Cytoplasmic Alteration	Mild
* Spleen		Hematopoietic Cell Proliferation	Mild
* Uterus		Hydrometra	Moderate
	Endometrium	Hyperplasia	Cystic, Moderate
	[ Hydrometra TGLS = 1-7 ]		

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE



**Experiment Number:** 93023-07  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** 2,4-Hexadienal  
**CAS Number:** 142-83-6

**Date Report Requested:** 10/20/2014  
**Time Report Requested:** 13:41:50  
**First Dose M/F:** NA / NA  
**Lab:** SRI

**ANIMAL ID:** 267

**TRT#:** 4

**SEX:** Female

**DAY ON TEST:** 733

**DOSE:** 30 MG/KG/DY

**DISP:** Terminal Sacrifice

**HISTO:** 99-87491

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

* Adrenal Cortex	* 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	* Lung
* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Mammary Gland	* Ovary
* Pancreas	* Parathyroid Gland	* Pituitary Gland	* Salivary Glands
* Skin	* Stomach, Forestomach	* Stomach, Glandular	* Thymus
* Thyroid Gland	* Trachea	* Urinary Bladder	

**OBSERVATIONS**

* Adrenal Medulla Note: Hyperplastic area of medulla is in accessory adrenal medullary nodule at hilus.		Hyperplasia	Minimal
* Kidney		Cyst Nephropathy	Minimal Minimal
* Liver Mesentery [ Necrosis TGLS = 1-21 ]	Fat	Infiltration Cellular Necrosis	Mixed Cell, Minimal Moderate
* Nose	Respirat Epith	Cytoplasmic Alteration	Mild
* Ovary Note: One ovary is missing.			
* Spleen  [ Accessory Spleen TGLS = 4-22 ] [ Congestion TGLS = 3-6 ] [ Hematopoietic Cell Proliferation TGLS = 3-6 ] [ Hyperplasia TGLS = 3-6 ]		Accessory Spleen Congestion Hematopoietic Cell Proliferation Hyperplasia	Moderate Moderate Mild Lymphoid, Mild
* Uterus  [ Hyperplasia TGLS = 2-7 ]	Endometrium	Hydrometra Hyperplasia	Moderate Cystic, Moderate

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 93023-07  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** 2,4-Hexadienal  
**CAS Number:** 142-83-6

**Date Report Requested:** 10/20/2014  
**Time Report Requested:** 13:41:50  
**First Dose M/F:** NA / NA  
**Lab:** SRI

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**ANIMAL ID:** 267

**TRT#:** 4

**SEX:** Female

**DAY ON TEST:** 733

**DOSE:** 30 MG/KG/DY

**DISP:** Terminal Sacrifice

**HISTO:** 99-87491

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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PRIMARY CAUSE OF DEATH

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 93023-07  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** 2,4-Hexadienal  
**CAS Number:** 142-83-6

**Date Report Requested:** 10/20/2014  
**Time Report Requested:** 13:41:50  
**First Dose M/F:** NA / NA  
**Lab:** SRI

**ANIMAL ID:** 268

**TRT#:** 4

**SEX:** Female

**DAY ON TEST:** 733

**DOSE:** 30 MG/KG/DY

**DISP:** Terminal Sacrifice

**HISTO:** 99-87492

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

* Adrenal Cortex	* 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	* Islets, Pancreatic	* Lung
* Lymph Node, Mandibular	* Mammary Gland	* Ovary	* Pancreas
* Parathyroid Gland	* Pituitary Gland	* Salivary Glands	* Skin
* Stomach, Forestomach	* Stomach, Glandular	* Thymus	* Thyroid Gland
* Trachea	* Urinary Bladder		

**OBSERVATIONS**

* Clitoral Gland [ Degeneration TGLS = 8-8 ]		Degeneration	Cystic, Moderate
* Kidney		Hyperplasia	Lymphoid, Mild
* Liver		Infiltration Cellular	Mixed Cell, Mild
Lymph Node [ Hyperplasia TGLS = 9-2 ]	Mediastinal	Hyperplasia	Lymphoid, Moderate
* Lymph Node, Mesenteric [ Angiectasis TGLS = 4-23 ] [ Hyperplasia TGLS = 7-5 ]		Angiectasis Hyperplasia	Marked Lymphoid, Moderate
Mesentery [ Necrosis TGLS = 1-21 ]	Fat	Necrosis	Moderate
* Nose Skeletal Muscle [ Sarcoma TGLS = 3-22 ]	Respirat Epith	Cytoplasmic Alteration Sarcoma	Minimal
* Spleen [ Hematopoietic Cell Proliferation TGLS = 2-6 ]		Hematopoietic Cell Proliferation	Moderate
* Uterus [ Hydrometra TGLS = 6-7 ]	Endometrium	Hydrometra Hyperplasia	Moderate Cystic, Mild

PRIMARY CAUSE OF DEATH

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 93023-07  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** 2,4-Hexadienal  
**CAS Number:** 142-83-6

**Date Report Requested:** 10/20/2014  
**Time Report Requested:** 13:41:50  
**First Dose M/F:** NA / NA  
**Lab:** SRI

**ANIMAL ID:** 269

**TRT#:** 4

**SEX:** Female

**DAY ON TEST:** 649

**DOSE:** 30 MG/KG/DY

**DISP:** Moribund Sacrifice

**HISTO:** 99-86350

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* 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	* Liver
* Lung	Lymph Node	* Lymph Node, Mandibular	* Lymph Node, Mesenteric
* Ovary	* Pancreas	* Parathyroid Gland	* Salivary Glands
* Skin	* Stomach, Forestomach	* Stomach, Glandular	* Thymus
* Trachea	* Urinary Bladder	* Uterus	

**OBSERVATIONS**

* Brain		Compression	Focal, Marked
[ Compression TGLS = 5-1 ]			
* Kidney		Cyst	Minimal
		Nephropathy	Minimal
* Mammary Gland		Ectasia	Mild
[ Ectasia TGLS = 1-8 ]		Metaplasia	Squamous, Focal, Mild
Mesentery		Angiectasis	Moderate
		Fibrosis	Focal, Mild
[ Angiectasis TGLS = 4-22 ]	Fat	Necrosis	Moderate
[ Necrosis TGLS = 3-21 ]			
* Nose	Olfactory Epi	Cytoplasmic Alteration	Mild
	Respirat Epith	Cytoplasmic Alteration	Moderate
* Pituitary Gland	Pars Distalis	Adenoma	
[ Adenoma TGLS = 6-1 ]			
* Spleen		Hematopoietic Cell Proliferation	Moderate
[ Hematopoietic Cell Proliferation TGLS = 2-6 ]			
* Thyroid Gland		Degeneration	Cystic, Focal, Minimal

**PRIMARY CAUSE OF DEATH** - Pituitary Gland Pars Distalis Adenoma

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 93023-07  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** 2,4-Hexadienal  
**CAS Number:** 142-83-6

**Date Report Requested:** 10/20/2014  
**Time Report Requested:** 13:41:50  
**First Dose M/F:** NA / NA  
**Lab:** SRI

**ANIMAL ID:** 270

**TRT#:** 4

**SEX:** Female

**DAY ON TEST:** 710

**DOSE:** 30 MG/KG/DY

**DISP:** Natural Death

**HISTO:** 99-86712

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

* Bone	* Brain	* Clitoral Gland	* Esophagus
* Lymph Node, Mandibular	* Ovary	* Pituitary Gland	* Salivary Glands
* Skin	* Thymus	* Trachea	

**AUTO PRECLUDES DIAG.**

* Adrenal Cortex	* Adrenal Medulla	* Bone Marrow	* Gallbladder
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Kidney
* Lymph Node, Mesenteric	* Nose	* Pancreas	* Spleen
* Stomach, Glandular	* Urinary Bladder		

**INSUFFICIENT TISSUE**

* Parathyroid Gland	* Thyroid Gland
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**OBSERVATIONS**

* Heart		Infiltration Cellular Mineralization	Mixed Cell, Mild Focal, Minimal
* Liver		Congestion Infiltration Cellular Necrosis	Focal, Moderate Mixed Cell, Mild Focal, Moderate
	Hepatocyte		
[ Congestion TGLS = 6-6 ]			
[ Necrosis TGLS = 6-6 ]			
* Lung		Carcinoma Infiltration Cellular	Metastatic (Mammary Gland) Mixed Cell, Mild
* Mammary Gland		Carcinoma	
[ Carcinoma TGLS = 1-21 ]			
Mesentery	Fat	Necrosis	Moderate
[ Necrosis TGLS = 4-22 ]			
* Stomach, Forestomach	Epithelium	Hyperplasia Ulcer	Squamous, Mild Minimal
* Uterus		Cyst	Mild
[ Cyst TGLS = 5-7 ]			

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 93023-07  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** 2,4-Hexadienal  
**CAS Number:** 142-83-6

**Date Report Requested:** 10/20/2014  
**Time Report Requested:** 13:41:50  
**First Dose M/F:** NA / NA  
**Lab:** SRI

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**ANIMAL ID:** 270

**TRT#:** 4

**SEX:** Female

**DAY ON TEST:** 710

**DOSE:** 30 MG/KG/DY

**DISP:** Natural Death

**HISTO:** 99-86712

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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PRIMARY CAUSE OF DEATH

- Mammary Gland Carcinoma

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 93023-07  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** 2,4-Hexadienal  
**CAS Number:** 142-83-6

**Date Report Requested:** 10/20/2014  
**Time Report Requested:** 13:41:50  
**First Dose M/F:** NA / NA  
**Lab:** SRI

**ANIMAL ID:** 271

**TRT#:** 4

**SEX:** Female

**DAY ON TEST:** 732

**DOSE:** 30 MG/KG/DY

**DISP:** Terminal Sacrifice

**HISTO:** 99-87493

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

* Adrenal Cortex	* 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
* Ovary	* Pancreas	* Parathyroid Gland	* Salivary Glands
* Skin	* Stomach, Forestomach	* Stomach, Glandular	* Thymus
* Thyroid Gland	* Trachea	* Urinary Bladder	

**OBSERVATIONS**

* Liver		Hepatocellular Carcinoma Infiltration Cellular Vacuolization Cytoplasmic	Multiple Mixed Cell, Minimal Mild
	Hepatocyte, Periportal		
[ Hepatocellular Carcinoma TGLS = 5-22, 6-23 ]			
* Mammary Gland		Carcinoma	
Mesentery	Fat	Necrosis	Moderate
[ Necrosis TGLS = 3-21 ]			
* Nose	Respirat Epith	Cytoplasmic Alteration	Minimal
* Pituitary Gland	Pars Distalis	Adenoma	
	Pars Distalis	Hemorrhage	Focal, Moderate
[ Adenoma TGLS = 1-1 ]			
[ Hemorrhage TGLS = 1-1 ]			
* Spleen		Hematopoietic Cell Proliferation	Moderate
[ Hematopoietic Cell Proliferation TGLS = 2-6 ]			
* Uterus		Hydrometra	Moderate
	Endometrium	Hyperplasia	Cystic, Moderate
[ Hydrometra TGLS = 4-7 ]			

**PRIMARY CAUSE OF DEATH**

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 93023-07  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** 2,4-Hexadienal  
**CAS Number:** 142-83-6

**Date Report Requested:** 10/20/2014  
**Time Report Requested:** 13:41:50  
**First Dose M/F:** NA / NA  
**Lab:** SRI

**ANIMAL ID:** 272

**TRT#:** 4

**SEX:** Female

**DAY ON TEST:** 732

**DOSE:** 30 MG/KG/DY

**DISP:** Terminal Sacrifice

**HISTO:** 99-87494

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

* Adrenal Cortex	* 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	* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Mammary Gland
* Pancreas	* Parathyroid Gland	* Pituitary Gland	* Salivary Glands
* Skin	* Stomach, Forestomach	* Stomach, Glandular	* Thymus
* Trachea	* Urinary Bladder		

**OBSERVATIONS**

Eye		Atrophy	Moderate
[ Atrophy TGLS = 1-21 ]			
Harderian Gland		Adenoma	
[ Adenoma TGLS = 7-23 ]			
* Liver		Basophilic Focus	
[ Basophilic Focus TGLS = 5-22 ]		Infiltration Cellular	Mixed Cell, Minimal
* Lung		Congestion	Mild
[ Congestion TGLS = 6-2 ]			
* Nose	Olfactory Epi	Cytoplasmic Alteration	Minimal
	Respirat Epith	Cytoplasmic Alteration	Mild
	Nasolacrim Dct	Inflammation	Mild
		Inflammation	Suppurative, Moderate
* Ovary		Cyst	Moderate
[ Cyst TGLS = 2-7 ]			
* Spleen		Hematopoietic Cell Proliferation	Moderate
* Thyroid Gland		Degeneration	Cystic, Focal, Mild
* Uterus		Hydrometra	Moderate
	Endometrium	Hyperplasia	Cystic, Moderate
[ Hydrometra TGLS = 4-7 ]			
[ Hyperplasia TGLS = 3-7 ]			

\* PROTOCOL REQUIRED TISSUE



**Experiment Number:** 93023-07  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** 2,4-Hexadienal  
**CAS Number:** 142-83-6

**Date Report Requested:** 10/20/2014  
**Time Report Requested:** 13:41:50  
**First Dose M/F:** NA / NA  
**Lab:** SRI

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**ANIMAL ID:** 272

**TRT#:** 4

**SEX:** Female

**DAY ON TEST:** 732

**DOSE:** 30 MG/KG/DY

**DISP:** Terminal Sacrifice

**HISTO:** 99-87494

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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PRIMARY CAUSE OF DEATH

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 93023-07  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** 2,4-Hexadienal  
**CAS Number:** 142-83-6

**Date Report Requested:** 10/20/2014  
**Time Report Requested:** 13:41:50  
**First Dose M/F:** NA / NA  
**Lab:** SRI

**ANIMAL ID:** 273

**TRT#:** 4

**SEX:** Female

**DAY ON TEST:** 733

**DOSE:** 30 MG/KG/DY

**DISP:** Terminal Sacrifice

**HISTO:** 99-87495

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

* Adrenal Medulla	* Bone	* Bone Marrow	* Brain
* Clitoral Gland	* Esophagus	* 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	* Ovary	* Pancreas
* Parathyroid Gland	* Pituitary Gland	* Salivary Glands	* Skin
* Stomach, Forestomach	* Stomach, Glandular	* Thymus	* Thyroid Gland
* Trachea	* Urinary Bladder	* Uterus	

**OBSERVATIONS**

* Adren Medulla			
Note: Medulla of one adrenal gland is missing.			
* Adrenal Cortex		Degeneration	Cystic, Focal, Minimal
* Gallbladder		Cyst	Minimal
* Kidney		Nephropathy	Minimal
* Liver		Infiltration Cellular	Mixed Cell, Minimal
Mesentery	Fat	Necrosis	Moderate
[ Necrosis TGLS = 1-21, 2-22 ]			
* Nose	Olfactory Epi	Cytoplasmic Alteration	Minimal
	Respirat Epith	Cytoplasmic Alteration	Minimal
		Inflammation	Suppurative, Moderate
* Spleen		Hematopoietic Cell Proliferation	Mild
		Hyperplasia	Lymphoid, Moderate
[ Hematopoietic Cell Proliferation TGLS = 3-6 ]			
[ Hyperplasia TGLS = 3-6 ]			

**PRIMARY CAUSE OF DEATH** -

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 93023-07  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** 2,4-Hexadienal  
**CAS Number:** 142-83-6

**Date Report Requested:** 10/20/2014  
**Time Report Requested:** 13:41:50  
**First Dose M/F:** NA / NA  
**Lab:** SRI

**ANIMAL ID:** 274

**TRT#:** 4

**SEX:** Female

**DAY ON TEST:** 643

**DOSE:** 30 MG/KG/DY

**DISP:** Moribund Sacrifice

**HISTO:** 99-86351

**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	* Lung
* Lymph Node, Mandibular	* Mammary Gland	* Ovary	* Pancreas
* Parathyroid Gland	* Pituitary Gland	* Salivary Glands	* Skin
* Stomach, Glandular	* Thymus	* Thyroid Gland	* Trachea
* Urinary Bladder			

**MISSING**

\* Lymph Node, Mesenteric

**OBSERVATIONS**

* Adrenal Cortex		Accessory Adrenal Cortical Nodule	Mild
Note: Accessory adrenal cortical nodule is on slide 5.			
* Kidney		Inflammation	Chronic, Focal, Minimal
* Liver		Infiltration Cellular	Mixed Cell, Minimal
Mesentery	Fat	Necrosis	Moderate
[ Necrosis TGLS = 3-22 ]			
* Nose	Olfactory Epi	Cytoplasmic Alteration	Mild
	Respirat Epith	Cytoplasmic Alteration	Moderate
		Inflammation	Suppurative, Minimal
* Spleen		Hemangiosarcoma	
[ Hemangiosarcoma TGLS = 2-21 ]			
* Stomach, Forestomach		Erosion	Minimal
	Epithelium	Hyperplasia	Squamous, Mild
* Uterus		Hydrometra	Moderate
	Endometrium	Hyperplasia	Cystic, Mild
[ Hydrometra TGLS = 4-7 ]			

**PRIMARY CAUSE OF DEATH** - Spleen Hemangiosarcoma

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 93023-07  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** 2,4-Hexadienal  
**CAS Number:** 142-83-6

**Date Report Requested:** 10/20/2014  
**Time Report Requested:** 13:41:50  
**First Dose M/F:** NA / NA  
**Lab:** SRI

**ANIMAL ID:** 275

**TRT#:** 4

**SEX:** Female

**DAY ON TEST:** 733

**DOSE:** 30 MG/KG/DY

**DISP:** Terminal Sacrifice

**HISTO:** 99-87496

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

* Adrenal Cortex	* 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
* Lung	* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Mammary Gland
* Pancreas	* Parathyroid Gland	* Pituitary Gland	* Salivary Glands
* Skin	* Stomach, Forestomach	* Stomach, Glandular	* Thymus
* Trachea	* Urinary Bladder		

**OBSERVATIONS**

* Kidney		Nephropathy	Minimal
* Liver		Hepatocellular Adenoma	
		Infiltration Cellular	Mixed Cell, Minimal
* Nose	Olfactory Epi	Cytoplasmic Alteration	Minimal
	Respirat Epith	Cytoplasmic Alteration	Minimal
* Ovary		Cyst	Moderate
	[ Cyst TGLS = 2-7 ]		
* Spleen		Hematopoietic Cell Proliferation	Mild
	[ Hematopoietic Cell Proliferation TGLS = 3-6 ]		
* Thyroid Gland		Degeneration	Cystic, Focal, Minimal
* Uterus		Hydrometra	Moderate
	Endometrium	Hyperplasia	Cystic, Mild
	[ Hydrometra TGLS = 1-7 ]		

**PRIMARY CAUSE OF DEATH**

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 93023-07  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** 2,4-Hexadienal  
**CAS Number:** 142-83-6

**Date Report Requested:** 10/20/2014  
**Time Report Requested:** 13:41:50  
**First Dose M/F:** NA / NA  
**Lab:** SRI

**ANIMAL ID:** 276

**TRT#:** 4

**SEX:** Female

**DAY ON TEST:** 733

**DOSE:** 30 MG/KG/DY

**DISP:** Terminal Sacrifice

**HISTO:** 99-87497

**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, Mandibular	* Nose
* Pancreas	* Parathyroid Gland	* Pituitary Gland	* Salivary Glands
* Skin	* Stomach, Forestomach	* Stomach, Glandular	* Thyroid Gland
* Trachea	* Urinary Bladder		

**MISSING**

\* Thymus

**OBSERVATIONS**

* Adrenal Cortex		Angiectasis	Moderate
* Bone Marrow	Myeloid Cell	Hyperplasia	Moderate
* Kidney		Infarct	Mild
		Nephropathy	Mild
* Liver		Infiltration Cellular	Mixed Cell, Moderate
* Lung		Hemorrhage	Mild
[ Hemorrhage TGLS = 8-2 ]			
* Lymph Node, Mesenteric		Angiectasis	Mild
[ Angiectasis TGLS = 5-23 ]			
* Mammary Gland		Carcinoma	
[ Carcinoma TGLS = 1-21 ]			
Mesentery	Fat	Necrosis	Moderate
[ Necrosis TGLS = 4-22 ]			
* Ovary		Cyst	Moderate
[ Cyst TGLS = 7-7 ]			
* Spleen		Hematopoietic Cell Proliferation	Moderate
[ Hematopoietic Cell Proliferation TGLS = 3-6 ]			
* Uterus		Hydrometra	Moderate
	Endometrium	Hyperplasia	Cystic, Mild
[ Hydrometra TGLS = 6-7 ]			

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 93023-07  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** 2,4-Hexadienal  
**CAS Number:** 142-83-6

**Date Report Requested:** 10/20/2014  
**Time Report Requested:** 13:41:50  
**First Dose M/F:** NA / NA  
**Lab:** SRI

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**ANIMAL ID:** 276

**TRT#:** 4

**SEX:** Female

**DAY ON TEST:** 733

**DOSE:** 30 MG/KG/DY

**DISP:** Terminal Sacrifice

**HISTO:** 99-87497

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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PRIMARY CAUSE OF DEATH

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 93023-07  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** 2,4-Hexadienal  
**CAS Number:** 142-83-6

**Date Report Requested:** 10/20/2014  
**Time Report Requested:** 13:41:50  
**First Dose M/F:** NA / NA  
**Lab:** SRI

**ANIMAL ID:** 277

**TRT#:** 4

**SEX:** Female

**DAY ON TEST:** 733

**DOSE:** 30 MG/KG/DY

**DISP:** Terminal Sacrifice

**HISTO:** 99-87498

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* 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
* Ovary	* Pancreas	* Parathyroid Gland	* Salivary Glands
* Skin	* Stomach, Forestomach	* Stomach, Glandular	* Thymus
* Thyroid Gland	* Trachea	* Urinary Bladder	

**OBSERVATIONS**

* Brain		Compression	Focal, Moderate
[ Compression TGLS = 3-1 ]			
* Liver		Hepatocellular Adenoma	Mixed Cell, Minimal
		Infiltration Cellular	Focal, Mild
	Hepatocyte	Necrosis	
[ Hepatocellular Adenoma TGLS = 2-6 ]			
[ Necrosis TGLS = 2-6 ]			
* Nose	Respirat Epith	Cytoplasmic Alteration	Minimal
* Pituitary Gland	Pars Distalis	Adenoma	
[ Adenoma TGLS = 4-1 ]			
* Spleen		Hematopoietic Cell Proliferation	Moderate
* Uterus		Hydrometra	Moderate
	Endometrium	Hyperplasia	Cystic, Moderate
[ Hydrometra TGLS = 1-7 ]			

**PRIMARY CAUSE OF DEATH**

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 93023-07  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** 2,4-Hexadienal  
**CAS Number:** 142-83-6

**Date Report Requested:** 10/20/2014  
**Time Report Requested:** 13:41:50  
**First Dose M/F:** NA / NA  
**Lab:** SRI

**ANIMAL ID:** 278

**TRT#:** 4

**SEX:** Female

**DAY ON TEST:** 733

**DOSE:** 30 MG/KG/DY

**DISP:** Terminal Sacrifice

**HISTO:** 99-87499

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

* Adrenal Cortex	* 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	* Pancreas	* Parathyroid Gland	* Pituitary Gland
* Salivary Glands	* Skin	* Stomach, Forestomach	* Stomach, Glandular
* Thymus	* Thyroid Gland	* Trachea	* Urinary Bladder

**OBSERVATIONS**

Eye	Cornea	Hyperplasia	Squamous, Focal, Mild
	Cornea	Inflammation	Focal, Mild
[ Hyperplasia TGLS = 1-21 ]			
[ Inflammation TGLS = 1-21 ]			
Harderian Gland		Adenoma	
[ Adenoma TGLS = 6-22 ]			
* Liver		Infiltration Cellular	Mixed Cell, Minimal
* Nose	Respirat Epith	Cytoplasmic Alteration	Mild
* Ovary		Cyst	Mild
* Spleen		Hematopoietic Cell Proliferation	Mild
		Hyperplasia	Lymphoid, Mild
[ Hematopoietic Cell Proliferation TGLS = 4-6 ]			
[ Hyperplasia TGLS = 4-6 ]			
* Uterus		Hydrometra	Moderate
	Endometrium	Hyperplasia	Cystic, Moderate
[ Hydrometra TGLS = 2-7 ]			
[ Hyperplasia TGLS = 3-7 ]			

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE



**Experiment Number:** 93023-07  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** 2,4-Hexadienal  
**CAS Number:** 142-83-6

**Date Report Requested:** 10/20/2014  
**Time Report Requested:** 13:41:50  
**First Dose M/F:** NA / NA  
**Lab:** SRI

**ANIMAL ID:** 279

**TRT#:** 4

**SEX:** Female

**DAY ON TEST:** 616

**DOSE:** 30 MG/KG/DY

**DISP:** Natural Death

**HISTO:** 99-86210

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Brain	* Esophagus	* Gallbladder	* Heart
* Islets, Pancreatic	Lymph Node	* Mammary Gland	* Pancreas
* Parathyroid Gland	* Pituitary Gland	* Salivary Glands	Skeletal Muscle
* Skin	* Stomach, Forestomach	* Thymus	* Trachea
* Urinary Bladder			

**MISSING**

* Lymph Node, Mandibular	* Lymph Node, Mesenteric
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**AUTO PRECLUDES DIAG.**

* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Spleen	* Stomach, Glandular
* Thyroid Gland			

**INSUFFICIENT TISSUE**

\* Clitoral Gland

**OBSERVATIONS**

* Adren Cortex			
Note: One adrenal gland is missing.			
* Kidney		Congestion	Moderate
[ Congestion TGLS = 2-5 ]			
* Liver	Hepatocyte	Hepatocellular Carcinoma Vacuolization Cytoplasmic	Diffuse, Moderate
[ Hepatocellular Carcinoma TGLS = 3-22 ]			
* Lung		Congestion	Moderate
Mesentery	Fat	Necrosis	Moderate
[ Necrosis TGLS = 1-21 ]			
* Nose	Respirat Epith	Cytoplasmic Alteration Inflammation	Mild Suppurative, Moderate
	Respirat Epith	Necrosis	Mild
* Ovary		Cyst	Mild

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 93023-07  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** 2,4-Hexadienal  
**CAS Number:** 142-83-6

**Date Report Requested:** 10/20/2014  
**Time Report Requested:** 13:41:50  
**First Dose M/F:** NA / NA  
**Lab:** SRI

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**ANIMAL ID:** 279

**TRT#:** 4

**SEX:** Female

**DAY ON TEST:** 616

**DOSE:** 30 MG/KG/DY

**DISP:** Natural Death

**HISTO:** 99-86210

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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\* Uterus

Cyst

Mild

---

PRIMARY CAUSE OF DEATH

- Liver Hepatocellular Carcinoma

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 93023-07  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** 2,4-Hexadienal  
**CAS Number:** 142-83-6

**Date Report Requested:** 10/20/2014  
**Time Report Requested:** 13:41:50  
**First Dose M/F:** NA / NA  
**Lab:** SRI

**ANIMAL ID:** 280

**TRT#:** 4

**SEX:** Female

**DAY ON TEST:** 733

**DOSE:** 30 MG/KG/DY

**DISP:** Terminal Sacrifice

**HISTO:** 99-87500

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

* Adrenal Cortex	* 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	* Ovary	* Pancreas	* Parathyroid Gland
* Pituitary Gland	* Salivary Glands	* Skin	* Spleen
* Stomach, Forestomach	* Stomach, Glandular	* Thymus	* Thyroid Gland
* Trachea	* Urinary Bladder		

**OBSERVATIONS**

* Liver		Infiltration Cellular	Mixed Cell, Minimal
* Nose	Respirat Epith	Cytoplasmic Alteration	Mild
* Uterus	Endometrium	Hydrometra	Moderate
		Hyperplasia	Cystic, Mild

[ Hydrometra TGLS = 1-7 ]

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 93023-07  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** 2,4-Hexadienal  
**CAS Number:** 142-83-6

**Date Report Requested:** 10/20/2014  
**Time Report Requested:** 13:41:50  
**First Dose M/F:** NA / NA  
**Lab:** SRI

**ANIMAL ID:** 281

**TRT#:** 4

**SEX:** Female

**DAY ON TEST:** 733

**DOSE:** 30 MG/KG/DY

**DISP:** Terminal Sacrifice

**HISTO:** 99-87501

**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	* Lung
* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Mammary Gland	* Ovary
* Pancreas	* Parathyroid Gland	* Salivary Glands	* Skin
* Spleen	* Stomach, Forestomach	* Stomach, Glandular	* Thymus
* Thyroid Gland	* Trachea	* Urinary Bladder	

**OBSERVATIONS**

* Adrenal Cortex		Accessory Adrenal Cortical Nodule	Mild
* Kidney		Nephropathy	Minimal
* Liver		Infiltration Cellular	Mixed Cell, Minimal
* Nose	Respirat Epith	Cytoplasmic Alteration	Mild
* Pituitary Gland	Pars Distalis	Degeneration	Cystic, Focal, Minimal
* Uterus		Hydrometra	Moderate
	Endometrium	Hyperplasia	Cystic, Moderate

[ Hydrometra TGLS = 2-7 ]

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 93023-07  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** 2,4-Hexadienal  
**CAS Number:** 142-83-6

**Date Report Requested:** 10/20/2014  
**Time Report Requested:** 13:41:50  
**First Dose M/F:** NA / NA  
**Lab:** SRI

**ANIMAL ID:** 282

**TRT#:** 4

**SEX:** Female

**DAY ON TEST:** 733

**DOSE:** 30 MG/KG/DY

**DISP:** Terminal Sacrifice

**HISTO:** 99-87502

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

* Adrenal Cortex	* 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	* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Mammary Gland
* Pancreas	* Parathyroid Gland	* Salivary Glands	* Skin
* Stomach, Forestomach	* Stomach, Glandular	* Thymus	* Trachea
* Urinary Bladder			

**OBSERVATIONS**

* Liver		Infiltration Cellular	Mixed Cell, Minimal
* Lung		Hemorrhage	Mild
[ Hemorrhage TGLS = 6-23 ]			
Mesentery	Fat	Necrosis	Mild
[ Necrosis TGLS = 4-21, 5-22 ]			
* Nose	Olfactory Epi	Cytoplasmic Alteration	Mild
	Respirat Epith	Cytoplasmic Alteration	Mild
		Inflammation	Suppurative, Mild
* Ovary		Cyst	Moderate
[ Cyst TGLS = 3-7 ]			
* Pituitary Gland	Pars Distalis	Cytoplasmic Alteration	Focal, Minimal
* Spleen		Hematopoietic Cell Proliferation	Moderate
[ Hematopoietic Cell Proliferation TGLS = 1-6 ]			
* Thyroid Gland		Degeneration	Cystic, Focal, Minimal
* Uterus	Endometrium	Hyperplasia	Cystic, Moderate
[ Hyperplasia TGLS = 2-7 ]			

**PRIMARY CAUSE OF DEATH**

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 93023-07  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** 2,4-Hexadienal  
**CAS Number:** 142-83-6

**Date Report Requested:** 10/20/2014  
**Time Report Requested:** 13:41:50  
**First Dose M/F:** NA / NA  
**Lab:** SRI

**ANIMAL ID:** 283

**TRT#:** 4

**SEX:** Female

**DAY ON TEST:** 684

**DOSE:** 30 MG/KG/DY

**DISP:** Natural Death

**HISTO:** 99-86616

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Brain
* Clitoral Gland	* Esophagus	* Heart	* Intestine Large, Rectum
* Mammary Gland	* Parathyroid Gland	* Pituitary Gland	* Skin
* Thyroid Gland	* Trachea	* Uterus	Vagina

**AUTO PRECLUDES DIAG.**

* Bone Marrow	* Gallbladder	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Kidney	* Pancreas	* Stomach, Forestomach	* Stomach, Glandular

**OBSERVATIONS**

* Liver		Lymphoma Malignant	
[ Lymphoma Malignant TGLS = 4-22 ]			
* Lung		Lymphoma Malignant	
Lymph Node	Mediastinal	Lymphoma Malignant	
	Renal	Lymphoma Malignant	
		Lymphoma Malignant	
[ Lymphoma Malignant TGLS = 7-23 ]			
[ Lymphoma Malignant TGLS = 6-2 ]			
* Lymph Node, Mandibular		Lymphoma Malignant	
* Lymph Node, Mesenteric		Lymphoma Malignant	
Mesentery		Lymphoma Malignant	
	Fat	Necrosis	Moderate
[ Necrosis TGLS = 1-21 ]			
* Nose	Respirat Epith	Cytoplasmic Alteration	Mild
		Inflammation	Suppurative, Mild
* Ovary		Angiectasis	Moderate
	Periovarn Tiss	Lymphoma Malignant	
* Salivary Glands		Lymphoma Malignant	
* Spleen		Lymphoma Malignant	
		Necrosis	Focal, Moderate
[ Lymphoma Malignant TGLS = 2-6 ]			

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 93023-07  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** 2,4-Hexadienal  
**CAS Number:** 142-83-6

**Date Report Requested:** 10/20/2014  
**Time Report Requested:** 13:41:50  
**First Dose M/F:** NA / NA  
**Lab:** SRI

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**ANIMAL ID:** 283

**TRT#:** 4

**SEX:** Female

**DAY ON TEST:** 684

**DOSE:** 30 MG/KG/DY

**DISP:** Natural Death

**HISTO:** 99-86616

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**ORGAN AND ACCOUNTABLE SITE STATUS**

---

[ Necrosis TGLS = 3-6 ]

\* Thymus

Lymphoma Malignant

\* Urinary Bladder

Lymphoma Malignant

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**PRIMARY CAUSE OF DEATH**

- Liver Lymphoma Malignant

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 93023-07  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** 2,4-Hexadienal  
**CAS Number:** 142-83-6

**Date Report Requested:** 10/20/2014  
**Time Report Requested:** 13:41:50  
**First Dose M/F:** NA / NA  
**Lab:** SRI

**ANIMAL ID:** 284

**TRT#:** 4

**SEX:** Female

**DAY ON TEST:** 733

**DOSE:** 30 MG/KG/DY

**DISP:** Terminal Sacrifice

**HISTO:** 99-87503

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

* Adrenal Cortex	* 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
* Lung	* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Mammary Gland
* Ovary	* Pancreas	* Parathyroid Gland	* Pituitary Gland
* Salivary Glands	* Skin	* Stomach, Forestomach	* Stomach, Glandular
* Thymus	* Thyroid Gland	* Trachea	* Urinary Bladder

**OBSERVATIONS**

Harderian Gland [ Adenoma TGLS = 3-22 ]		Adenoma	
* Kidney		Cyst	Mild
* Liver	Hepatocyte	Infiltration Cellular	Mixed Cell, Mild
	Hepatocyte, Midzonal	Vacuolization Cytoplasmic	Focal, Minimal
Mesentery [ Necrosis TGLS = 1-21 ]	Fat	Vacuolization Cytoplasmic	Minimal
		Necrosis	Mild
* Nose	Olfactory Epi	Cytoplasmic Alteration	Mild
	Respirat Epith	Cytoplasmic Alteration	Minimal
		Inflammation	Suppurative, Minimal
* Spleen		Hematopoietic Cell Proliferation	Mild
* Uterus		Hydrometra	Moderate
	Endometrium	Hyperplasia	Cystic, Moderate
[ Hydrometra TGLS = 2-7 ]			

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE



**Experiment Number:** 93023-07  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** 2,4-Hexadienal  
**CAS Number:** 142-83-6

**Date Report Requested:** 10/20/2014  
**Time Report Requested:** 13:41:50  
**First Dose M/F:** NA / NA  
**Lab:** SRI

**ANIMAL ID:** 285

**TRT#:** 4

**SEX:** Female

**DAY ON TEST:** 733

**DOSE:** 30 MG/KG/DY

**DISP:** Terminal Sacrifice

**HISTO:** 99-87504

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

* Adrenal Cortex	* 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	* Ovary	* Pancreas	* Parathyroid Gland
* Pituitary Gland	* Salivary Glands	* Skin	* Stomach, Glandular
* Thyroid Gland	* Trachea	* Urinary Bladder	

**INSUFFICIENT TISSUE**

\* Thymus

**OBSERVATIONS**

* Liver		Infiltration Cellular	Mixed Cell, Mild
	Hepatocyte, Midzonal	Vacuolization Cytoplasmic	Minimal
Lymph Node	Mediastinal	Hyperplasia	Lymphoid, Moderate
* Nose	Respirat Epith	Cytoplasmic Alteration	Mild
		Inflammation	Suppurative, Mild
* Spleen		Hyperplasia	Lymphoid, Moderate
* Stomach, Forestomach	Epithelium	Hyperplasia	Squamous, Mild
		Inflammation	Focal, Minimal
[ Hyperplasia TGLS = 2-4 ]			
* Uterus		Hydrometra	Moderate
	Endometrium	Hyperplasia	Cystic, Moderate
[ Hydrometra TGLS = 1-7 ]			

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 93023-07  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** 2,4-Hexadienal  
**CAS Number:** 142-83-6

**Date Report Requested:** 10/20/2014  
**Time Report Requested:** 13:41:50  
**First Dose M/F:** NA / NA  
**Lab:** SRI

**ANIMAL ID:** 286

**TRT#:** 4

**SEX:** Female

**DAY ON TEST:** 732

**DOSE:** 30 MG/KG/DY

**DISP:** Terminal Sacrifice

**HISTO:** 99-87505

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

* Adrenal Cortex	* 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	* Pancreas	* Parathyroid Gland	* Pituitary Gland
* Salivary Glands	* Skin	* Stomach, Forestomach	* Stomach, Glandular
* Thymus	* Thyroid Gland	* Trachea	* Urinary Bladder

**OBSERVATIONS**

* Liver		Infiltration Cellular	Mixed Cell, Minimal
* Nose	Respirat Epith	Cytoplasmic Alteration	Mild
		Inflammation	Suppurative, Minimal
* Ovary		Cystadenoma	
* Spleen		Hematopoietic Cell Proliferation	Mild
* Uterus		Hydrometra	Moderate
	Endometrium	Hyperplasia	Cystic, Moderate

[ Hydrometra TGLS = 1-7 ]

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 93023-07  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** 2,4-Hexadienal  
**CAS Number:** 142-83-6

**Date Report Requested:** 10/20/2014  
**Time Report Requested:** 13:41:50  
**First Dose M/F:** NA / NA  
**Lab:** SRI

**ANIMAL ID:** 287

**TRT#:** 4

**SEX:** Female

**DAY ON TEST:** 349

**DOSE:** 30 MG/KG/DY

**DISP:** Moribund Sacrifice

**HISTO:** 98-83925

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Brain	* Clitoral Gland	* Esophagus	* Gallbladder
* Heart	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Kidney
* Liver	* Lung	* Lymph Node, Mandibular	* Lymph Node, Mesenteric
* Mammary Gland	* Ovary	* Pancreas	* Parathyroid Gland
* Pituitary Gland	* Salivary Glands	* Skin	* Stomach, Forestomach
* Stomach, Glandular	* Thymus	* Thyroid Gland	* Trachea
* Urinary Bladder			

**MISSING**

\* Intestine Small, Duodenum

**OBSERVATIONS**

Mesentery [ Necrosis TGLS = 5-21 ]	Fat	Necrosis	Mild
* Nose	Respirat Epith	Cytoplasmic Alteration Inflammation	Moderate Suppurative, Moderate
* Spleen		Hematopoietic Cell Proliferation	Moderate
* Uterus		Congestion Hemorrhage	Moderate Marked
	Endometrium	Polyp Stromal	

Note: Prolapse and intussusception are not available TDMS diagnoses for uterus.

Note: Uterine lesions are result of stromal polyp which caused prolapse, intussusception, and congestion and hemorrhage of uterus.

[ Hemorrhage TGLS = 2-23 ]

[ Polyp Stromal TGLS = 3-24 ]

**PRIMARY CAUSE OF DEATH**

- Uterus Endometrium Polyp Stromal

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 93023-07  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** 2,4-Hexadienal  
**CAS Number:** 142-83-6

**Date Report Requested:** 10/20/2014  
**Time Report Requested:** 13:41:50  
**First Dose M/F:** NA / NA  
**Lab:** SRI

**ANIMAL ID:** 288

**TRT#:** 4

**SEX:** Female

**DAY ON TEST:** 732

**DOSE:** 30 MG/KG/DY

**DISP:** Terminal Sacrifice

**HISTO:** 99-87506

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

* Adrenal Cortex	* 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	* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Mammary Gland
* Ovary	* Pancreas	* Parathyroid Gland	* Salivary Glands
* Skin	* Spleen	* Stomach, Forestomach	* Stomach, Glandular
* Thymus	* Thyroid Gland	* Trachea	* Urinary Bladder

**OBSERVATIONS**

* Liver	Hepatocyte, Midzonal	Infiltration Cellular Vacuolization Cytoplasmic	Mixed Cell, Minimal Mild
* Lung	[ Alveolar/Bronchiolar Adenoma TGLS = 4-23 ]	Alveolar/Bronchiolar Adenoma	
Mesentery	Fat	Congestion Necrosis	Focal, Mild Mild
	[ Congestion TGLS = 3-22 ]		
	[ Necrosis TGLS = 2-21, 3-22 ]		
* Nose	Respirat Epith	Cytoplasmic Alteration	Mild
* Pituitary Gland	Pars Distalis	Hemorrhage	Focal, Mild
	[ Hemorrhage TGLS = 5-1 ]		
* Uterus	Endometrium	Hydrometra Hyperplasia	Moderate Cystic, Moderate
	[ Hyperplasia TGLS = 1-7 ]		

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 93023-07  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** 2,4-Hexadienal  
**CAS Number:** 142-83-6

**Date Report Requested:** 10/20/2014  
**Time Report Requested:** 13:41:50  
**First Dose M/F:** NA / NA  
**Lab:** SRI

**ANIMAL ID:** 289

**TRT#:** 4

**SEX:** Female

**DAY ON TEST:** 732

**DOSE:** 30 MG/KG/DY

**DISP:** Terminal Sacrifice

**HISTO:** 99-87507

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

* Adrenal Cortex	* 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	* Islets, Pancreatic	* Kidney
* 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**

* Clitoral Gland	* Parathyroid Gland
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**OBSERVATIONS**

* Liver	Hepatocyte, Midzonal	Vacuolization Cytoplasmic	Mild
* Nose	Olfactory Epi	Cytoplasmic Alteration	Minimal
	Respirat Epith	Cytoplasmic Alteration	Mild
* Ovary		Cyst	Mild
* Spleen		Angiectasis	Mild
		Hematopoietic Cell Proliferation	Mild
* Uterus		Hydrometra	Moderate
	Endometrium	Hyperplasia	Cystic, Moderate

[ Hyperplasia TGLS = 1-7, 2-21.1 ]

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 93023-07  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** 2,4-Hexadienal  
**CAS Number:** 142-83-6

**Date Report Requested:** 10/20/2014  
**Time Report Requested:** 13:41:50  
**First Dose M/F:** NA / NA  
**Lab:** SRI

**ANIMAL ID:** 290

**TRT#:** 4

**SEX:** Female

**DAY ON TEST:** 732

**DOSE:** 30 MG/KG/DY

**DISP:** Terminal Sacrifice

**HISTO:** 99-87508

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

* Adrenal Cortex	* 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	* Ovary	* Pancreas	* Pituitary Gland
* Salivary Glands	* Skin	* Stomach, Forestomach	* Stomach, Glandular
* Thymus	* Trachea	* Urinary Bladder	

**OBSERVATIONS**

Harderian Gland [ Adenoma TGLS = 4-22 ]		Adenoma	
* Liver [ Hepatocellular Carcinoma TGLS = 3-21 ]	Hepatocyte, Periportal	Hepatocellular Carcinoma Infiltration Cellular Vacuolization Cytoplasmic	Mixed Cell, Minimal Mild
* Nose	Olfactory Epi Respirat Epith	Cytoplasmic Alteration Cytoplasmic Alteration Inflammation	Minimal Mild Suppurative, Moderate
* Parathyroid Gland		Cyst	Mild
* Spleen [ Hematopoietic Cell Proliferation TGLS = 2-6 ]		Hematopoietic Cell Proliferation	Moderate
* Thyroid Gland		Degeneration	Cystic, Focal, Mild
* Uterus [ Hydrometra TGLS = 1-7 ]	Endometrium	Hydrometra Hyperplasia	Moderate Cystic, Moderate

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 93023-07  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** 2,4-Hexadienal  
**CAS Number:** 142-83-6

**Date Report Requested:** 10/20/2014  
**Time Report Requested:** 13:41:50  
**First Dose M/F:** NA / NA  
**Lab:** SRI

**ANIMAL ID:** 291

**TRT#:** 4

**SEX:** Female

**DAY ON TEST:** 732

**DOSE:** 30 MG/KG/DY

**DISP:** Terminal Sacrifice

**HISTO:** 99-87509

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

* Adrenal Cortex	* 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
* Lymph Node, Mandibular	* Mammary Gland	* Ovary	* Pancreas
* Parathyroid Gland	* Pituitary Gland	* Salivary Glands	* Skin
* Stomach, Forestomach	* Stomach, Glandular	* Thymus	* Thyroid Gland
* Trachea	* Urinary Bladder		

**OBSERVATIONS**

* Kidney		Lymphoma Malignant	
* Liver		Lymphoma Malignant	
* Lung		Lymphoma Malignant	
* Lymph Node, Mesenteric [ Lymphoma Malignant TGLS = 4-5 ]		Lymphoma Malignant	
Mesentery [ Necrosis TGLS = 2-21 ]	Fat	Necrosis	Moderate
* Nose	Olfactory Epi Respirat Epith	Cytoplasmic Alteration Cytoplasmic Alteration	Minimal Mild
* Spleen [ Lymphoma Malignant TGLS = 3-6 ]		Lymphoma Malignant	
* Uterus [ Hydrometra TGLS = 1-7 ]	Endometrium	Hydrometra Hyperplasia	Marked Cystic, Moderate

**PRIMARY CAUSE OF DEATH**

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\* PROTOCOL REQUIRED TISSUE





**Experiment Number:** 93023-07  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** 2,4-Hexadienal  
**CAS Number:** 142-83-6

**Date Report Requested:** 10/20/2014  
**Time Report Requested:** 13:41:50  
**First Dose M/F:** NA / NA  
**Lab:** SRI

**ANIMAL ID:** 293      **TRT#:** 4      **SEX:** Female      **DAY ON TEST:** 732  
**DOSE:** 30 MG/KG/DY      **DISP:** Terminal Sacrifice      **HISTO:** 99-87511

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

* Adrenal Cortex	* 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	* Lung
* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Mammary Gland	* Pancreas
* Parathyroid Gland	* Salivary Glands	* Stomach, Glandular	* Thymus
* Trachea	* Urinary Bladder		

**OBSERVATIONS**

* Bone Marrow	Myeloid Cell	Hyperplasia	Moderate
* Kidney		Nephropathy	Minimal
* Liver	Hepatocyte	Depletion Glycogen	Diffuse, Moderate
		Infiltration Cellular	Mixed Cell, Minimal
Mesentery	Fat	Necrosis	Moderate
[ Necrosis TGLS = 3-23 ]			
* Nose	Respirat Epith	Cytoplasmic Alteration	Mild
		Inflammation	Suppurative, Minimal
* Ovary		Hemorrhage	Marked
[ Hemorrhage TGLS = 4-7, 4-24 ]		Thrombosis	Marked
[ Thrombosis TGLS = 4-7, 4-24 ]			
* Pituitary Gland	Pars Distalis	Cytoplasmic Alteration	Focal, Mild
* Skin	Subcut Tiss	Fibrosarcoma	Multiple
[ Fibrosarcoma TGLS = 1-21, 2-22 ]			
* Spleen		Hematopoietic Cell Proliferation	Marked
[ Hematopoietic Cell Proliferation TGLS = 5-6 ]			
* Stomach, Forestomach	Epithelium	Hyperplasia	Squamous, Minimal
* Thyroid Gland		Degeneration	Cystic, Focal, Minimal
* Uterus	Endometrium	Hyperplasia	Cystic, Mild

PRIMARY CAUSE OF DEATH

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 93023-07  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** 2,4-Hexadienal  
**CAS Number:** 142-83-6

**Date Report Requested:** 10/20/2014  
**Time Report Requested:** 13:41:50  
**First Dose M/F:** NA / NA  
**Lab:** SRI

**ANIMAL ID:** 294

**TRT#:** 4

**SEX:** Female

**DAY ON TEST:** 732

**DOSE:** 30 MG/KG/DY

**DISP:** Terminal Sacrifice

**HISTO:** 99-87512

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

* Adrenal Cortex	* 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
* Lung	* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Mammary Gland
* Ovary	* Pancreas	* Pituitary Gland	* Salivary Glands
* Skin	* Stomach, Glandular	* Thymus	* Thyroid Gland
* Trachea	* Urinary Bladder		

**OBSERVATIONS**

* Kidney		Metaplasia	Osseous, Focal, Minimal
* Liver	Hepatocyte, Midzonal	Vacuolization Cytoplasmic	Mild
Mesentery	Fat	Necrosis	Mild
[ Necrosis TGLS = 1-21 ]			
* Nose	Olfactory Epi	Cytoplasmic Alteration	Mild
	Respirat Epith	Cytoplasmic Alteration	Minimal
* Parathyroid Gland		Hyperplasia	Cystic, Minimal
* Spleen		Hyperplasia	Lymphoid, Mild
* Stomach, Forestomach	Epithelium	Hyperplasia	Squamous, Minimal
[ Hyperplasia TGLS = 3-22 ]			
* Uterus	Endometrium	Hyperplasia	Cystic, Moderate
[ Hyperplasia TGLS = 2-7 ]			

**PRIMARY CAUSE OF DEATH**

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 93023-07  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** 2,4-Hexadienal  
**CAS Number:** 142-83-6

**Date Report Requested:** 10/20/2014  
**Time Report Requested:** 13:41:50  
**First Dose M/F:** NA / NA  
**Lab:** SRI

**ANIMAL ID:** 295      **TRT#:** 4      **SEX:** Female      **DAY ON TEST:** 713  
**DOSE:** 30 MG/KG/DY      **DISP:** Moribund Sacrifice      **HISTO:** 99-86713

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

* Adrenal Cortex	* 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
* Lung	* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Mammary Gland
* Pancreas	* Parathyroid Gland	* Salivary Glands	* Stomach, Forestomach
* Stomach, Glandular	* Thymus	* Trachea	* Urinary Bladder

**OBSERVATIONS**

* Kidney [ Nephropathy TGLS = 6-5 ]		Nephropathy	Mild
* Liver	Hepatocyte	Cytomegaly Infiltration Cellular	Moderate Mixed Cell, Mild
Lymph Node [ Hyperplasia TGLS = 7-24 ]	Hepatocyte Iliac Inguinal	Karyomegaly Hyperplasia Hyperplasia	Moderate Plasma Cell, Moderate Plasma Cell, Moderate
Mesentery [ Necrosis TGLS = 3-23 ]	Fat	Necrosis	Moderate
* Nose	Olfactory Epi Respirat Epith	Cytoplasmic Alteration Cytoplasmic Alteration	Mild Mild
* Ovary		Cyst	Moderate
* Pituitary Gland	Pars Distalis	Hyperplasia	Focal, Mild
* Skin [ Fibrosarcoma TGLS = 1-21, 2-22 ]	Subcut Tiss	Fibrosarcoma	Multiple
* Spleen [ Hematopoietic Cell Proliferation TGLS = 5-6 ]		Hematopoietic Cell Proliferation	Moderate
* Thyroid Gland		Degeneration	Cystic, Focal, Moderate
* Uterus [ Hydrometra TGLS = 4-7 ]	Endometrium	Hydrometra Hyperplasia	Moderate Cystic, Moderate

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 93023-07  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** 2,4-Hexadienal  
**CAS Number:** 142-83-6

**Date Report Requested:** 10/20/2014  
**Time Report Requested:** 13:41:50  
**First Dose M/F:** NA / NA  
**Lab:** SRI

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**ANIMAL ID:** 295

**TRT#:** 4

**SEX:** Female

**DAY ON TEST:** 713

**DOSE:** 30 MG/KG/DY

**DISP:** Moribund Sacrifice

**HISTO:** 99-86713

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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PRIMARY CAUSE OF DEATH

- Skin Subcut Tiss Fibrosarcoma

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 93023-07  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** 2,4-Hexadienal  
**CAS Number:** 142-83-6

**Date Report Requested:** 10/20/2014  
**Time Report Requested:** 13:41:50  
**First Dose M/F:** NA / NA  
**Lab:** SRI

**ANIMAL ID:** 296

**TRT#:** 4

**SEX:** Female

**DAY ON TEST:** 733

**DOSE:** 30 MG/KG/DY

**DISP:** Terminal Sacrifice

**HISTO:** 99-87513

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

* Adrenal Cortex	* 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, Mandibular	* Lymph Node, Mesenteric	* Mammary Gland
* Pancreas	* Parathyroid Gland	* Pituitary Gland	* Salivary Glands
* Skin	* Stomach, Glandular	* Thymus	* Thyroid Gland
* Trachea	* Urinary Bladder		

**OBSERVATIONS**

* Bone Marrow	Myeloid Cell	Hyperplasia	Mild
* Liver	Serosa	Hyperplasia Infiltration Cellular	Lymphoid, Focal, Minimal Mixed Cell, Minimal
[ Hyperplasia TGLS = 5-6 ]			
Mesentery	Fat	Necrosis	Moderate
[ Necrosis TGLS = 3-21 ]			
* Nose	Olfactory Epi Respirat Epith	Cytoplasmic Alteration Cytoplasmic Alteration Inflammation	Mild Minimal Suppurative, Mild
* Ovary		Cyst	Moderate
[ Cyst TGLS = 2-7 ]			
* Spleen		Hematopoietic Cell Proliferation	Mild
[ Hematopoietic Cell Proliferation TGLS = 4-6 ]			
* Stomach, Forestomach	Epithelium	Hyperplasia	Squamous, Minimal
* Uterus	Endometrium	Hydrometra Hyperplasia	Moderate Cystic, Mild
[ Hydrometra TGLS = 1-7 ]			

**PRIMARY CAUSE OF DEATH**

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 93023-07  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** 2,4-Hexadienal  
**CAS Number:** 142-83-6

**Date Report Requested:** 10/20/2014  
**Time Report Requested:** 13:41:50  
**First Dose M/F:** NA / NA  
**Lab:** SRI

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<b>ANIMAL ID:</b> 297	<b>TRT#:</b> 4	<b>SEX:</b> Female	<b>DAY ON TEST:</b> 733
	<b>DOSE:</b> 30 MG/KG/DY	<b>DISP:</b> Terminal Sacrifice	<b>HISTO:</b> 99-87514

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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**NORMAL**

* Adrenal Cortex	* 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
* Lung	* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Mammary Gland
* Ovary	* Pancreas	* Parathyroid Gland	* Pituitary Gland
* Salivary Glands	* Skin	* Spleen	* Stomach, Forestomach
* Stomach, Glandular	* Thymus	* Thyroid Gland	* Trachea
* Urinary Bladder			

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**OBSERVATIONS**

* Kidney		Nephropathy	Minimal
* Liver	Hepatocyte	Basophilic Focus Cholangiocarcinoma	Moderate
Note: Liver lesion diagnosed as cholangiocarcinoma is small but does appear to consist of malignant bile duct epithelium.			
Mesentery	Fat	Necrosis	Mild
[ Necrosis TGLS = 2-21 ]			
* Nose	Respirat Epith	Cytoplasmic Alteration	Moderate
* Uterus	Endometrium	Hydrometra Hyperplasia	Moderate Cystic, Moderate
[ Hydrometra TGLS = 1-7 ]			

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**PRIMARY CAUSE OF DEATH** -

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 93023-07  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** 2,4-Hexadienal  
**CAS Number:** 142-83-6

**Date Report Requested:** 10/20/2014  
**Time Report Requested:** 13:41:50  
**First Dose M/F:** NA / NA  
**Lab:** SRI

**ANIMAL ID:** 298

**TRT#:** 4

**SEX:** Female

**DAY ON TEST:** 733

**DOSE:** 30 MG/KG/DY

**DISP:** Terminal Sacrifice

**HISTO:** 99-87515

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Brain	* Clitoral Gland	* Esophagus	* 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
* Pancreas	* Parathyroid Gland	* Salivary Glands	* Skin
* Spleen	* Stomach, Forestomach	* Stomach, Glandular	* Thymus
* Trachea	* Urinary Bladder		

**MISSING**

\* Ovary

**OBSERVATIONS**

* Gallbladder		Cyst	Minimal
* Liver		Infiltration Cellular	Mixed Cell, Minimal
* Nose	Olfactory Epi	Cytoplasmic Alteration	Minimal
	Respirat Epith	Cytoplasmic Alteration	Mild
* Pituitary Gland	Pars Distalis	Cytoplasmic Alteration	Focal, Minimal
* Thyroid Gland	Follicle	Cyst	Mild
* Uterus		Hydrometra	Marked
	Endometrium	Hyperplasia	Cystic, Mild

[ Hydrometra TGLS = 1-7 ]

**PRIMARY CAUSE OF DEATH**

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 93023-07  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** 2,4-Hexadienal  
**CAS Number:** 142-83-6

**Date Report Requested:** 10/20/2014  
**Time Report Requested:** 13:41:50  
**First Dose M/F:** NA / NA  
**Lab:** SRI

**ANIMAL ID:** 299

**TRT#:** 4

**SEX:** Female

**DAY ON TEST:** 733

**DOSE:** 30 MG/KG/DY

**DISP:** Terminal Sacrifice

**HISTO:** 99-87516

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

* Adrenal Cortex	* 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
* Lymph Node, Mandibular	* Mammary Gland	* Pancreas	* Parathyroid Gland
* Pituitary Gland	* Salivary Glands	* Stomach, Forestomach	* Stomach, Glandular
* Trachea	* Urinary Bladder		

**OBSERVATIONS**

* Bone Marrow	Myeloid Cell	Hyperplasia	Mild
* Liver		Angiectasis	Mild
		Infiltration Cellular	Mixed Cell, Minimal
			[ Angiectasis TGLS = 5-6 ]
* Lung		Alveolar/Bronchiolar Adenoma	
* Lymph Node, Mesenteric		Atypia Cellular	Moderate
		Hyperplasia	Histiocytic, Moderate
			Note: Cellular atypia of mesenteric lymph node refers to presence of unusually plentiful multinucleated giant cells (syncytial cells)
			[ Hyperplasia TGLS = 4-5 ]
* Nose	Respirat Epith	Cytoplasmic Alteration	Mild
* Ovary		Cyst	Moderate
			[ Cyst TGLS = 1-7 ]
* Skin	Subcut Tiss	Infiltration Cellular	Mixed Cell, Focal, Mild
* Spleen		Hematopoietic Cell Proliferation	Moderate
			[ Hematopoietic Cell Proliferation TGLS = 3-6 ]
* Thymus		Hyperplasia	Lymphoid, Moderate
* Thyroid Gland		Degeneration	Cystic, Focal, Minimal
* Uterus		Hydrometra	Moderate
	Endometrium	Hyperplasia	Cystic, Moderate
			[ Hydrometra TGLS = 2-7 ]

**PRIMARY CAUSE OF DEATH**

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\* PROTOCOL REQUIRED TISSUE



Experiment Number: 93023-07

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: 2,4-Hexadienal

CAS Number: 142-83-6

Date Report Requested: 10/20/2014

Time Report Requested: 13:41:50

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 300

TRT#: 4

SEX: Female

DAY ON TEST: 733

DOSE: 30 MG/KG/DY

DISP: Terminal Sacrifice

HISTO: 99-87517

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* 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, Mandibular	* Lymph Node, Mesenteric	* Mammary Gland
* Ovary	* Pancreas	* Parathyroid Gland	* Pituitary Gland
* Salivary Glands	* Stomach, Glandular	* Thymus	* Thyroid Gland
* Trachea	* Urinary Bladder	* Uterus	

OBSERVATIONS

* Bone Marrow	Myeloid Cell	Hyperplasia	Mild
* Liver		Infiltration Cellular	Mixed Cell, Mild
Mesentery	Fat	Necrosis	Moderate
[ Necrosis TGLS = 2-22 ]			
* Nose	Olfactory Epi	Cytoplasmic Alteration	Minimal
	Respirat Epith	Cytoplasmic Alteration	Minimal
		Inflammation	Suppurative, Moderate
* Skin	Subcut Tiss	Fibrosarcoma	
	Subcut Tiss	Hemorrhage	Focal, Mild
[ Fibrosarcoma TGLS = 1-21 ]			
[ Hemorrhage TGLS = 4-23 ]			
* Spleen		Hematopoietic Cell Proliferation	Moderate
		Hyperplasia	Lymphoid, Moderate
[ Hematopoietic Cell Proliferation TGLS = 3-6 ]			
[ Hyperplasia TGLS = 3-6 ]			
* Stomach, Forestomach		Squamous Cell Papilloma	
[ Squamous Cell Papilloma TGLS = 5-24 ]			

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 93023-07  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** 2,4-Hexadienal  
**CAS Number:** 142-83-6

**Date Report Requested:** 10/20/2014  
**Time Report Requested:** 13:41:50  
**First Dose M/F:** NA / NA  
**Lab:** SRI

**ANIMAL ID:** 301

**TRT#:** 6

**SEX:** Female

**DAY ON TEST:** 735

**DOSE:** 60 MG/KG/DY

**DISP:** Terminal Sacrifice

**HISTO:** 99-87518

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

* Adrenal Cortex	* 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	* Liver	* Lung	* Lymph Node, Mandibular
* Lymph Node, Mesenteric	* Mammary Gland	* Ovary	* Pancreas
* Parathyroid Gland	* Salivary Glands	* Skin	* Spleen
* Stomach, Forestomach	* Stomach, Glandular	* Thymus	* Trachea
* Urinary Bladder			

**OBSERVATIONS**

* Nose	Olfactory Epi Respirat Epith	Cytoplasmic Alteration Cytoplasmic Alteration Inflammation Hyperplasia	Mild Minimal Suppurative, Minimal Mild
* Pituitary Gland [ Hyperplasia TGLS = 2-1 ]	Pars Distalis		
* Thyroid Gland		Inflammation	Chronic, Focal, Mild
* Uterus [ Hyperplasia TGLS = 1-7 ]	Endometrium	Hyperplasia	Cystic, Moderate

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 93023-07  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** 2,4-Hexadienal  
**CAS Number:** 142-83-6

**Date Report Requested:** 10/20/2014  
**Time Report Requested:** 13:41:50  
**First Dose M/F:** NA / NA  
**Lab:** SRI

**ANIMAL ID:** 302

**TRT#:** 6

**SEX:** Female

**DAY ON TEST:** 687

**DOSE:** 60 MG/KG/DY

**DISP:** Natural Death

**HISTO:** 99-86617

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Clitoral Gland
* Esophagus	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Mammary Gland	* Parathyroid Gland	* Stomach, Glandular	* Thyroid Gland
* Trachea	* Urinary Bladder		

**MISSING**

\* Pituitary Gland

**OBSERVATIONS**

* Bone Marrow		Lymphoma Malignant	
* Brain	Meninges	Lymphoma Malignant	
* Gallbladder		Lymphoma Malignant	
* Heart		Lymphoma Malignant	
* Kidney		Lymphoma Malignant	
		Nephropathy	Minimal
* Liver		Hepatocellular Adenoma	
		Infiltration Cellular	Mixed Cell, Mild
	[ Hepatocellular Adenoma TGLS = 9-22 ]		
* Lung	Mediastinum	Lymphoma Malignant	
		Lymphoma Malignant	
Lymph Node	Iliac	Lymphoma Malignant	
	Inguinal	Lymphoma Malignant	
	Mediastinal	Lymphoma Malignant	
	Renal	Lymphoma Malignant	
	[ Lymphoma Malignant TGLS = 11-23 ]		
	[ Lymphoma Malignant TGLS = 12-24 ]		
	[ Lymphoma Malignant TGLS = 13-2 ]		
* Lymph Node, Mandibular		Lymphoma Malignant	
* Lymph Node, Mesenteric		Lymphoma Malignant	
	[ Lymphoma Malignant TGLS = 7-5 ]		
Mesentery		Lymphoma Malignant	

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 93023-07  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** 2,4-Hexadienal  
**CAS Number:** 142-83-6

**Date Report Requested:** 10/20/2014  
**Time Report Requested:** 13:41:50  
**First Dose M/F:** NA / NA  
**Lab:** SRI

**ANIMAL ID:** 302      **TRT#:** 6      **SEX:** Female      **DAY ON TEST:** 687  
**DOSE:** 60 MG/KG/DY      **DISP:** Natural Death      **HISTO:** 99-86617

**ORGAN AND ACCOUNTABLE SITE STATUS**

	Fat	Necrosis	Moderate
	[ Lymphoma Malignant TGLS = 12-24 ]		
	[ Necrosis TGLS = 2-21 ]		
* Nose	Respirat Epith	Cytoplasmic Alteration	Moderate
* Ovary		Hemangiosarcoma	
	[ Hemangiosarcoma TGLS = 6-7 ]		
* Pancreas		Lymphoma Malignant	
* Salivary Glands		Lymphoma Malignant	
Skeletal Muscle		Lymphoma Malignant	
* Skin	Subcut Tiss	Lymphoma Malignant	
* Spleen		Hematopoietic Cell Proliferation	Moderate
		Lymphoma Malignant	
	[ Hematopoietic Cell Proliferation TGLS = 3-6 ]		
	[ Lymphoma Malignant TGLS = 3-6 ]		
* Stomach, Forestomach	Epithelium	Hyperplasia	Squamous, Mild
* Thymus		Lymphoma Malignant	
	[ Lymphoma Malignant TGLS = 10-2 ]		
* Uterus	Endometrium	Hydrometra	Moderate
		Hyperplasia	Cystic, Moderate
		Lymphoma Malignant	
	[ Hydrometra TGLS = 4-7 ]		
	[ Hyperplasia TGLS = 8-7 ]		

**PRIMARY CAUSE OF DEATH**      - Heart    Lymphoma Malignant

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 93023-07  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** 2,4-Hexadienal  
**CAS Number:** 142-83-6

**Date Report Requested:** 10/20/2014  
**Time Report Requested:** 13:41:50  
**First Dose M/F:** NA / NA  
**Lab:** SRI

**ANIMAL ID:** 303

**TRT#:** 6

**SEX:** Female

**DAY ON TEST:** 533

**DOSE:** 60 MG/KG/DY

**DISP:** Moribund Sacrifice

**HISTO:** 99-85340

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

* Adrenal Cortex	* 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	* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Mammary Gland
* Pancreas	* Parathyroid Gland	* Pituitary Gland	* Salivary Glands
* Stomach, Forestomach	* Stomach, Glandular	* Thymus	* Trachea
* Urinary Bladder			

**OBSERVATIONS**

* Liver	Hepatocyte, Periportal	Vacuolization Cytoplasmic	Moderate
* Lung		Fibrosarcoma	Metastatic (Skin)
Mesentery	Fat	Necrosis	Moderate
[ Necrosis TGLS = 1-21, 5-22 ]			
* Nose	Olfactory Epi	Cytoplasmic Alteration	Minimal
	Respirat Epith	Cytoplasmic Alteration	Minimal
* Ovary		Hemangiosarcoma	
[ Hemangiosarcoma TGLS = 4-7 ]			
* Skin	Subcut Tiss	Fibrosarcoma	
[ Fibrosarcoma TGLS = 6-23 ]			
* Spleen		Hematopoietic Cell Proliferation	Marked
		Hyperplasia	Lymphoid, Marked
* Thyroid Gland		Degeneration	Cystic, Focal, Mild
* Uterus		Cyst	Mild
		Hydrometra	Mild
	Endometrium	Hyperplasia	Cystic, Mild
[ Hydrometra TGLS = 3-7 ]			

**PRIMARY CAUSE OF DEATH**

- Skin Subcut Tiss Fibrosarcoma

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 93023-07  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** 2,4-Hexadienal  
**CAS Number:** 142-83-6

**Date Report Requested:** 10/20/2014  
**Time Report Requested:** 13:41:50  
**First Dose M/F:** NA / NA  
**Lab:** SRI

**ANIMAL ID:** 304

**TRT#:** 6

**SEX:** Female

**DAY ON TEST:** 735

**DOSE:** 60 MG/KG/DY

**DISP:** Terminal Sacrifice

**HISTO:** 99-87519

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

* Adrenal Cortex	* 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
* Ovary	* Pancreas	* Parathyroid Gland	* Salivary Glands
* Spleen	* Stomach, Forestomach	* Stomach, Glandular	* Thymus
* Trachea	* Urinary Bladder		

**OBSERVATIONS**

* Liver		Infiltration Cellular	Mixed Cell, Mild
* Mammary Gland		Carcinoma	
[ Carcinoma TGLS = 1-21 ]			
* Nose	Olfactory Epi	Cytoplasmic Alteration	Minimal
	Respirat Epith	Cytoplasmic Alteration	Mild
		Inflammation	Suppurative, Mild
* Pituitary Gland	Pars Distalis	Adenoma	
[ Adenoma TGLS = 4-1 ]			
Skeletal Muscle		Sarcoma	
[ Sarcoma TGLS = 3-22 ]			
* Skin	Subcut Tiss	Inflammation	Chronic, Moderate
* Thyroid Gland		Atrophy	Focal, Mild
		Inflammation	Chronic, Mild
* Uterus		Hydrometra	Moderate
	Endometrium	Hyperplasia	Cystic, Moderate
[ Hydrometra TGLS = 5-7 ]			

**PRIMARY CAUSE OF DEATH**

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 93023-07  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** 2,4-Hexadienal  
**CAS Number:** 142-83-6

**Date Report Requested:** 10/20/2014  
**Time Report Requested:** 13:41:50  
**First Dose M/F:** NA / NA  
**Lab:** SRI

**ANIMAL ID:** 305

**TRT#:** 6

**SEX:** Female

**DAY ON TEST:** 587

**DOSE:** 60 MG/KG/DY

**DISP:** Moribund Sacrifice

**HISTO:** 99-85915

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

* Adrenal Cortex	* 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	* Islets, Pancreatic	* Lymph Node, Mandibular
* Lymph Node, Mesenteric	* Mammary Gland	* Ovary	* Pancreas
* Parathyroid Gland	* Pituitary Gland	* Salivary Glands	* Skin
* Stomach, Forestomach	* Stomach, Glandular	* Thymus	* Trachea
* Urinary Bladder			

**OBSERVATIONS**

* Clitoral Gland [ Degeneration TGLS = 1-8 ]		Degeneration	Cystic, Moderate
* Kidney	Renal Tubule Papilla Hepatocyte, Midzonal	Accumulation, Hyaline Droplet Mineralization Vacuolization Cytoplasmic	Moderate Focal, Moderate Moderate
* Liver		Hyperplasia	Histiocytic, Minimal
* Lung Mesentery [ Necrosis TGLS = 4-22, 6-23 ]	Fat	Inflammation Necrosis	Chronic, Mild Moderate
* Nose	Olfactory Epi Respirat Epith	Cytoplasmic Alteration Cytoplasmic Alteration Sarcoma	Minimal Moderate
Skeletal Muscle [ Sarcoma TGLS = 2-21 ]		Hematopoietic Cell Proliferation	Moderate
* Spleen		Degeneration	Cystic, Focal, Mild
* Thyroid Gland		Angiectasis	Moderate
* Uterus [ Angiectasis TGLS = 3-7 ]			

**PRIMARY CAUSE OF DEATH**

- Skeletal Muscle Sarcoma

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 93023-07  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** 2,4-Hexadienal  
**CAS Number:** 142-83-6

**Date Report Requested:** 10/20/2014  
**Time Report Requested:** 13:41:50  
**First Dose M/F:** NA / NA  
**Lab:** SRI

**ANIMAL ID:** 306

**TRT#:** 6

**SEX:** Female

**DAY ON TEST:** 733

**DOSE:** 60 MG/KG/DY

**DISP:** Terminal Sacrifice

**HISTO:** 99-87520

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

* Adrenal Cortex	* 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
* Ovary	* Pancreas	* Parathyroid Gland	* Salivary Glands
* Stomach, Forestomach	* Stomach, Glandular	* Thymus	* Thyroid Gland
* Trachea	* Urinary Bladder		

**OBSERVATIONS**

* Adrenal Medulla [ Pheochromocytoma Malignant TGLS = 6-23 ]		Pheochromocytoma Malignant	
* Liver [ Hepatocellular Carcinoma TGLS = 4-22 ]		Hepatocellular Carcinoma Infiltration Cellular	Mixed Cell, Minimal
Mesentery [ Necrosis TGLS = 2-21 ]	Fat	Necrosis	Moderate
* Nose	Olfactory Epi Respirat Epith	Cytoplasmic Alteration Cytoplasmic Alteration	Mild Mild
* Pituitary Gland	Pars Distalis	Hyperplasia	Focal, Mild
* Skin [ Fibrosarcoma TGLS = 1-24 ]	Subcut Tiss	Fibrosarcoma	
* Spleen [ Hematopoietic Cell Proliferation TGLS = 3-6 ] [ Hyperplasia TGLS = 3-6 ]		Hematopoietic Cell Proliferation Hyperplasia	Mild Lymphoid, Moderate
* Uterus [ Hydrometra TGLS = 5-7 ]	Endometrium	Hydrometra Hyperplasia	Moderate Cystic, Moderate

PRIMARY CAUSE OF DEATH

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\* PROTOCOL REQUIRED TISSUE



**Experiment Number:** 93023-07  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** 2,4-Hexadienal  
**CAS Number:** 142-83-6

**Date Report Requested:** 10/20/2014  
**Time Report Requested:** 13:41:50  
**First Dose M/F:** NA / NA  
**Lab:** SRI

**ANIMAL ID:** 307      **TRT#:** 6      **SEX:** Female      **DAY ON TEST:** 733  
**DOSE:** 60 MG/KG/DY      **DISP:** Terminal Sacrifice      **HISTO:** 99-87521

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Brain	* Clitoral Gland	* Esophagus	* 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	* Ovary	* Pancreas
* Parathyroid Gland	* Pituitary Gland	* Salivary Glands	* Stomach, Forestomach
* Stomach, Glandular	* Thymus	* Thyroid Gland	* Trachea
* Urinary Bladder			

**OBSERVATIONS**

Eye		Atrophy	Moderate
[ Atrophy TGLS = 4-23 ]			
* Gallbladder		Cyst	Minimal
Harderian Gland		Adenoma	
[ Adenoma TGLS = 5-24 ]			
* Kidney		Nephropathy	Minimal
* Liver		Hepatocellular Adenoma	
[ Hepatocellular Adenoma TGLS = 7-6 ]		Infiltration Cellular	Mixed Cell, Mild
* Lung		Hemorrhage	Minimal
Mesentery	Fat	Necrosis	Moderate
[ Necrosis TGLS = 2-22 ]			
* Nose	Olfactory Epi	Cytoplasmic Alteration	Minimal
	Respirat Epith	Cytoplasmic Alteration	Minimal
	Glands, Mucosa	Dilatation	Focal, Mild
		Inflammation	Suppurative, Moderate
* Skin	Subcut Tiss	Fibrosarcoma	
[ Fibrosarcoma TGLS = 1-21 ]			
* Spleen		Hematopoietic Cell Proliferation	Mild
[ Hematopoietic Cell Proliferation TGLS = 3-6 ]			
* Uterus	Endometrium	Hyperplasia	Cystic, Mild

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 93023-07  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** 2,4-Hexadienal  
**CAS Number:** 142-83-6

**Date Report Requested:** 10/20/2014  
**Time Report Requested:** 13:41:50  
**First Dose M/F:** NA / NA  
**Lab:** SRI

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**ANIMAL ID:** 307

**TRT#:** 6

**SEX:** Female

**DAY ON TEST:** 733

**DOSE:** 60 MG/KG/DY

**DISP:** Terminal Sacrifice

**HISTO:** 99-87521

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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PRIMARY CAUSE OF DEATH

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\* PROTOCOL REQUIRED TISSUE

Experiment Number: 93023-07

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: 2,4-Hexadienal

CAS Number: 142-83-6

Date Report Requested: 10/20/2014

Time Report Requested: 13:41:50

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 308

TRT#: 6

SEX: Female

DAY ON TEST: 733

DOSE: 60 MG/KG/DY

DISP: Terminal Sacrifice

HISTO: 99-87522

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* 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	* Lymph Node, Mandibular
* Lymph Node, Mesenteric	* Mammary Gland	* Pancreas	* Parathyroid Gland
* Salivary Glands	* Skin	* Stomach, Glandular	* Thymus
* Trachea	* Urinary Bladder		

OBSERVATIONS

* Liver		Infiltration Cellular	Mixed Cell, Minimal
Mesentery	Fat	Necrosis	Moderate
[ Necrosis TGLS = 2-21 ]			
* Nose	Olfactory Epi	Cytoplasmic Alteration	Minimal
	Respirat Epith	Cytoplasmic Alteration	Minimal
		Inflammation	Suppurative, Mild
* Ovary		Cyst	Moderate
* Pituitary Gland	Pars Distalis	Degeneration	Cystic, Focal, Minimal
* Spleen		Hematopoietic Cell Proliferation	Moderate
* Stomach, Forestomach		Squamous Cell Papilloma	
[ Squamous Cell Papilloma TGLS = 4-4 ]			
* Thyroid Gland	Follicular Cel	Carcinoma	
[ Carcinoma TGLS = 3-3 ]			
* Uterus	Endometrium	Hydrometra	Moderate
[ Hydrometra TGLS = 1-7 ]		Hyperplasia	Cystic, Moderate

PRIMARY CAUSE OF DEATH

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 93023-07  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** 2,4-Hexadienal  
**CAS Number:** 142-83-6

**Date Report Requested:** 10/20/2014  
**Time Report Requested:** 13:41:50  
**First Dose M/F:** NA / NA  
**Lab:** SRI

**ANIMAL ID:** 309

**TRT#:** 6

**SEX:** Female

**DAY ON TEST:** 733

**DOSE:** 60 MG/KG/DY

**DISP:** Terminal Sacrifice

**HISTO:** 99-87523

**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	* Lung
* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Mammary Gland	* Ovary
* Pancreas	* Parathyroid Gland	* Pituitary Gland	* Salivary Glands
* Skin	* Spleen	* Stomach, Glandular	* Thymus
* Thyroid Gland	* Trachea	* Urinary Bladder	

**OBSERVATIONS**

* Adrenal Cortex		Accessory Adrenal Cortical Nodule	Minimal
* Kidney		Nephropathy	Minimal
* Liver		Infiltration Cellular	Mixed Cell, Minimal
* Nose	Olfactory Epi	Cytoplasmic Alteration	Minimal
	Respirat Epith	Cytoplasmic Alteration	Minimal
		Inflammation	Suppurative, Minimal
* Stomach, Forestomach		Squamous Cell Papilloma	Multiple
[ Squamous Cell Papilloma TGLS = 3-21 ]			
* Uterus		Hydrometra	Moderate
	Endometrium	Hyperplasia	Cystic, Marked
[ Hydrometra TGLS = 2-7 ]			
[ Hyperplasia TGLS = 1-22 ]			

**PRIMARY CAUSE OF DEATH**

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 93023-07  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** 2,4-Hexadienal  
**CAS Number:** 142-83-6

**Date Report Requested:** 10/20/2014  
**Time Report Requested:** 13:41:50  
**First Dose M/F:** NA / NA  
**Lab:** SRI

**ANIMAL ID:** 310

**TRT#:** 6

**SEX:** Female

**DAY ON TEST:** 733

**DOSE:** 60 MG/KG/DY

**DISP:** Terminal Sacrifice

**HISTO:** 99-87524

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

* Adrenal Cortex	* 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	* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Mammary Gland
* Ovary	* Pancreas	* Parathyroid Gland	* Salivary Glands
* Skin	* Stomach, Glandular	* Thymus	* Thyroid Gland
* Trachea	* Urinary Bladder		

**OBSERVATIONS**

* Liver		Infiltration Cellular	Mixed Cell, Minimal
* Lung		Alveolar/Bronchiolar Carcinoma	
[ Alveolar/Bronchiolar Carcinoma TGLS = 6-24 ]			
Mesentery	Lymphatic	Angiectasis	Mild
	Fat	Necrosis	Moderate
[ Angiectasis TGLS = 5-23 ]			
[ Necrosis TGLS = 1-21, 3-22 ]			
* Nose	Respirat Epith	Cytoplasmic Alteration	Mild
* Pituitary Gland	Pars Distalis	Adenoma	
* Spleen		Hematopoietic Cell Proliferation	Mild
		Hyperplasia	Lymphoid, Marked
[ Hematopoietic Cell Proliferation TGLS = 4-6 ]			
[ Hyperplasia TGLS = 4-6 ]			
* Stomach, Forestomach		Squamous Cell Papilloma	
[ Squamous Cell Papilloma TGLS = 7-25 ]			
* Uterus		Hydrometra	Moderate
	Endometrium	Hyperplasia	Cystic, Mild
[ Hydrometra TGLS = 2-7 ]			

**PRIMARY CAUSE OF DEATH** -

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 93023-07  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** 2,4-Hexadienal  
**CAS Number:** 142-83-6

**Date Report Requested:** 10/20/2014  
**Time Report Requested:** 13:41:50  
**First Dose M/F:** NA / NA  
**Lab:** SRI

**ANIMAL ID:** 311

**TRT#:** 6

**SEX:** Female

**DAY ON TEST:** 726

**DOSE:** 60 MG/KG/DY

**DISP:** Moribund Sacrifice

**HISTO:** 99-87525

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

* Adrenal Cortex	* 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
* Lung	* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Mammary Gland
* Ovary	* Pancreas	* Pituitary Gland	* Salivary Glands
* Spleen	* Stomach, Forestomach	* Stomach, Glandular	* Trachea
* Urinary Bladder			

**MISSING**

* Parathyroid Gland	* Thyroid Gland
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**OBSERVATIONS**

* Kidney		Infarct	Moderate
	Papilla	Necrosis	Moderate
* Liver	Hepatocyte	Depletion Glycogen	Diffuse, Moderate
		Tension Lipidosis	Mild
	Centrilobular, Hepatocyte	Vacuolization Cytoplasmic	Moderate
	Fat	Necrosis	Mild
	[ Necrosis TGLS = 3-21 ]		
* Nose	Nasolacrim Dct	Cyst	Mild
	Olfactory Epi	Cytoplasmic Alteration	Minimal
	Respirat Epith	Cytoplasmic Alteration	Mild
		Inflammation	Suppurative, Mild
* Skin	Pinna	Fibrous Histiocytoma	
	[ Fibrous Histiocytoma TGLS = 4-22 ]		
* Thymus		Atrophy	Moderate
* Uterus		Hydrometra	Moderate
	Endometrium	Hyperplasia	Cystic, Mild
	[ Hydrometra TGLS = 2-7 ]		

**PRIMARY CAUSE OF DEATH** - Kidney Papilla Necrosis

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 93023-07  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** 2,4-Hexadienal  
**CAS Number:** 142-83-6

**Date Report Requested:** 10/20/2014  
**Time Report Requested:** 13:41:50  
**First Dose M/F:** NA / NA  
**Lab:** SRI

**ANIMAL ID:** 312

**TRT#:** 6

**SEX:** Female

**DAY ON TEST:** 735

**DOSE:** 60 MG/KG/DY

**DISP:** Terminal Sacrifice

**HISTO:** 99-87526

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

* Adrenal Cortex	* 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	* Islets, Pancreatic	* Lung
* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Mammary Gland	* Ovary
* Pancreas	* Parathyroid Gland	* Pituitary Gland	* Salivary Glands
* Skin	* Spleen	* Stomach, Glandular	* Thymus
* Thyroid Gland	* Trachea	* Urinary Bladder	

**INSUFFICIENT TISSUE**

\* Clitoral Gland

**OBSERVATIONS**

* Kidney		Nephropathy	Minimal
* Liver		Ito Cell Tumor Malignant	
[ Ito Cell Tumor Malignant TGLS = 2-6 ]			
Mesentery		Ito Cell Tumor Malignant	Metastatic (Liver)
[ Ito Cell Tumor Malignant TGLS = 2-6 ]			
* Nose	Olfactory Epi	Cytoplasmic Alteration	Minimal
	Respirat Epith	Cytoplasmic Alteration	Minimal
		Inflammation	Suppurative, Mild
* Stomach, Forestomach	Epithelium	Hyperplasia	Squamous, Minimal
[ Squamous Cell Papilloma TGLS = 3-21 ]		Squamous Cell Papilloma	
* Uterus	Endometrium	Hyperplasia	Cystic, Moderate
[ Hyperplasia TGLS = 1-7 ]			

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 93023-07  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** 2,4-Hexadienal  
**CAS Number:** 142-83-6

**Date Report Requested:** 10/20/2014  
**Time Report Requested:** 13:41:50  
**First Dose M/F:** NA / NA  
**Lab:** SRI

**ANIMAL ID:** 313

**TRT#:** 6

**SEX:** Female

**DAY ON TEST:** 735

**DOSE:** 60 MG/KG/DY

**DISP:** Terminal Sacrifice

**HISTO:** 99-87527

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

* Adrenal Cortex	* 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	* Liver	* Lung	* Lymph Node, Mandibular
* Lymph Node, Mesenteric	* Mammary Gland	* Pancreas	* Parathyroid Gland
* Salivary Glands	* Skin	* Stomach, Glandular	* Thymus
* Thyroid Gland	* Trachea	* Urinary Bladder	

**OBSERVATIONS**

* Nose	Respirat Epith	Cytoplasmic Alteration	Moderate
* Ovary		Cystadenoma	
[ Cystadenoma TGLS = 4-7 ]			
* Pituitary Gland	Pars Distalis	Hyperplasia	Focal, Mild
* Spleen		Hematopoietic Cell Proliferation	Mild
		Hyperplasia	Lymphoid, Mild
* Stomach, Forestomach		Erosion	Focal, Minimal
	Epithelium	Hyperplasia	Squamous, Minimal
* Uterus		Hydrometra	Moderate
	Endometrium	Hyperplasia	Cystic, Moderate
	Endometrium	Polyp Stromal	
[ Hyperplasia TGLS = 2-7 ]			
[ Polyp Stromal TGLS = 3-7 ]			

**PRIMARY CAUSE OF DEATH**

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\* PROTOCOL REQUIRED TISSUE



**Experiment Number:** 93023-07  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** 2,4-Hexadienal  
**CAS Number:** 142-83-6

**Date Report Requested:** 10/20/2014  
**Time Report Requested:** 13:41:50  
**First Dose M/F:** NA / NA  
**Lab:** SRI

**ANIMAL ID:** 314

**TRT#:** 6

**SEX:** Female

**DAY ON TEST:** 725

**DOSE:** 60 MG/KG/DY

**DISP:** Moribund Sacrifice

**HISTO:** 99-87528

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* 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, Mandibular
* Lymph Node, Mesenteric	* Ovary	* Pancreas	* Parathyroid Gland
* Salivary Glands	* Skin	* Stomach, Forestomach	* Stomach, Glandular
* Thymus	* Thyroid Gland	* Trachea	* Urinary Bladder
Zymbal's Gland			

**OBSERVATIONS**

* Brain		Compression	Focal, Moderate
[ Compression TGLS = 9-1 ]			
Harderian Gland		Carcinoma	
[ Carcinoma TGLS = 11-23 ]			
* Kidney		Congestion	Mild
		Infarct	Minimal
	Papilla	Necrosis	Mild
	Renal Tubule	Necrosis	Mild
[ Congestion TGLS = 7-5 ]			
[ Necrosis TGLS = 7-5 ]			
* Liver	Hepatocyte	Depletion Glycogen	Diffuse, Moderate
	Hepatocyte	Vacuolization Cytoplasmic	Diffuse, Moderate
* Lung		Carcinoma	Metastatic (Harderian Gland)
[ Carcinoma TGLS = 8-2 ]			
* Mammary Gland		Hyperplasia	Mild
[ Hyperplasia TGLS = 1-8 ]			
Mesentery	Fat	Necrosis	Moderate
[ Necrosis TGLS = 2-21 ]			
* Nose	Olfactory Epi	Cytoplasmic Alteration	Minimal
	Respirat Epith	Cytoplasmic Alteration	Mild
	Nasolacrim Dct	Inflammation	Mild

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 93023-07  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** 2,4-Hexadienal  
**CAS Number:** 142-83-6

**Date Report Requested:** 10/20/2014  
**Time Report Requested:** 13:41:50  
**First Dose M/F:** NA / NA  
**Lab:** SRI

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<b>ANIMAL ID:</b> 314	<b>TRT#:</b> 6	<b>SEX:</b> Female	<b>DAY ON TEST:</b> 725
	<b>DOSE:</b> 60 MG/KG/DY	<b>DISP:</b> Moribund Sacrifice	<b>HISTO:</b> 99-87528

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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* Pituitary Gland [ Adenoma TGLS = 10-1 ]	Pars Distalis	Inflammation Adenoma	Suppurative, Minimal
* Spleen		Pigmentation	Focal, Moderate
* Uterus [ Hydrometra TGLS = 5-7 ] [ Polyp Stromal TGLS = 4-7 ]		Hydrometra Polyp Stromal	Mild
Vagina [ Hemangioma TGLS = 3-22 ]		Hemangioma	

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PRIMARY CAUSE OF DEATH - Pituitary Gland Pars Distalis Adenoma

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 93023-07  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** 2,4-Hexadienal  
**CAS Number:** 142-83-6

**Date Report Requested:** 10/20/2014  
**Time Report Requested:** 13:41:50  
**First Dose M/F:** NA / NA  
**Lab:** SRI

**ANIMAL ID:** 315

**TRT#:** 6

**SEX:** Female

**DAY ON TEST:** 735

**DOSE:** 60 MG/KG/DY

**DISP:** Terminal Sacrifice

**HISTO:** 99-87529

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

* Adrenal Cortex	* 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	* Islets, Pancreatic	* Lung
* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Mammary Gland	* Ovary
* Pancreas	* Parathyroid Gland	* Pituitary Gland	* Salivary Glands
* Skin	* Spleen	* Stomach, Glandular	* Thymus
* Thyroid Gland	* Trachea	* Urinary Bladder	

**INSUFFICIENT TISSUE**

\* Clitoral Gland

**OBSERVATIONS**

* Kidney		Infarct	Minimal
	Papilla	Necrosis	Moderate
		Nephropathy	Mild
* Liver		Hepatocellular Adenoma	
		Infiltration Cellular	Mixed Cell, Minimal
	[ Hepatocellular Adenoma TGLS = 1-21 ]		
Mesentery	Fat	Necrosis	Moderate
	[ Necrosis TGLS = 2-22 ]		
* Nose	Olfactory Epi	Cytoplasmic Alteration	Minimal
	Respirat Epith	Cytoplasmic Alteration	Mild
* Stomach, Forestomach	Epithelium	Hyperplasia	Squamous, Mild
* Uterus		Hydrometra	Moderate
	Endometrium	Hyperplasia	Cystic, Moderate
	[ Hydrometra TGLS = 3-7 ]		

PRIMARY CAUSE OF DEATH

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 93023-07  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** 2,4-Hexadienal  
**CAS Number:** 142-83-6

**Date Report Requested:** 10/20/2014  
**Time Report Requested:** 13:41:50  
**First Dose M/F:** NA / NA  
**Lab:** SRI

**ANIMAL ID:** 316

**TRT#:** 6

**SEX:** Female

**DAY ON TEST:** 635

**DOSE:** 60 MG/KG/DY

**DISP:** Natural Death

**HISTO:** 99-86249

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Brain	* Clitoral Gland	* Esophagus	* Heart
* Islets, Pancreatic	* Lymph Node, Mesenteric	* Mammary Gland	* Ovary
* Pancreas	* Parathyroid Gland	* Skin	* Stomach, Forestomach
* Thyroid Gland	* Trachea		

**MISSING**

* Gallbladder	* Lymph Node, Mandibular	* Pituitary Gland	* Salivary Glands
* Stomach, Glandular	* Thymus		

**AUTO PRECLUDES DIAG.**

* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Kidney	* Urinary Bladder

**OBSERVATIONS**

* Liver	Hepatocyte	Vacuolization Cytoplasmic	Diffuse, Marked
* Lung		Congestion	Moderate
[ Congestion TGLS = 4-2 ]			
Mesentery	Fat	Necrosis	Moderate
[ Necrosis TGLS = 1-21 ]			
* Nose	Respirat Epith	Cytoplasmic Alteration	Moderate
* Spleen		Depletion Cellular	Moderate
[ Depletion Cellular TGLS = 3-6 ]			
* Uterus		Hydrometra	Moderate
[ Hydrometra TGLS = 2-7 ]			

**PRIMARY CAUSE OF DEATH**

- UNCERTAIN

**CONTRIBUTORY CAUSE OF DEATH**

- Liver Hepatocyte Vacuolization Cytoplasmic; Mesentery Fat Necrosis

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 93023-07  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** 2,4-Hexadienal  
**CAS Number:** 142-83-6

**Date Report Requested:** 10/20/2014  
**Time Report Requested:** 13:41:50  
**First Dose M/F:** NA / NA  
**Lab:** SRI

**ANIMAL ID:** 317

**TRT#:** 6

**SEX:** Female

**DAY ON TEST:** 733

**DOSE:** 60 MG/KG/DY

**DISP:** Terminal Sacrifice

**HISTO:** 99-87530

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

* Adrenal Cortex	* 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	* Lung
* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Mammary Gland	* Pancreas
* Parathyroid Gland	* Pituitary Gland	* Salivary Glands	* Skin
* Spleen	* Stomach, Glandular	* Thymus	* Trachea
* Urinary Bladder			

**OBSERVATIONS**

* Bone Marrow	Myeloid Cell	Hyperplasia	Mild
* Kidney		Nephropathy	Moderate
* Liver		Hepatocellular Adenoma	
		Infiltration Cellular	Mixed Cell, Minimal
[ Hepatocellular Adenoma TGLS = 2-21 ]			
* Nose	Olfactory Epi	Cytoplasmic Alteration	Minimal
	Respirat Epith	Cytoplasmic Alteration	Minimal
		Inflammation	Suppurative, Moderate
* Ovary		Cyst	Mild
Note: One ovary is missing.			
* Stomach, Forestomach		Squamous Cell Papilloma	
[ Squamous Cell Papilloma TGLS = 3-22 ]			
* Thyroid Gland		Degeneration	Cystic, Focal, Mild
* Uterus		Hydrometra	Moderate
	Endometrium	Hyperplasia	Cystic, Moderate
[ Hydrometra TGLS = 1-7 ]			

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 93023-07  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** 2,4-Hexadienal  
**CAS Number:** 142-83-6

**Date Report Requested:** 10/20/2014  
**Time Report Requested:** 13:41:50  
**First Dose M/F:** NA / NA  
**Lab:** SRI

**ANIMAL ID:** 318      **TRT#:** 6      **SEX:** Female      **DAY ON TEST:** 733  
**DOSE:** 60 MG/KG/DY      **DISP:** Terminal Sacrifice      **HISTO:** 99-87531

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

* Adrenal Cortex	* 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	* Lung
* Lymph Node, Mandibular	* Mammary Gland	* Pancreas	* Parathyroid Gland
* Pituitary Gland	* Salivary Glands	* Skin	* Stomach, Glandular
* Thymus	* Thyroid Gland	* Trachea	* Urinary Bladder

**OBSERVATIONS**

* Bone Marrow	Myeloid Cell	Hyperplasia	Mild
* Clitoral GI			
Note: One clitoral gland is missing.			
* Kidney		Cyst	Minimal
		Nephropathy	Minimal
* Liver		Infiltration Cellular	Mixed Cell, Mild
Lymph Node	Inguinal	Hyperplasia	Lymphoid, Moderate
	Mediastinal	Hyperplasia	Lymphoid, Moderate
[ Hyperplasia TGLS = 3-21 ]			
* Lymph Node, Mesenteric		Hyperplasia	Lymphoid, Moderate
* Nose		Inflammation	Suppurative, Mild
* Ovary		Cyst	Multiple, Mild
* Spleen		Hematopoietic Cell Proliferation	Moderate
[ Hematopoietic Cell Proliferation TGLS = 1-6 ]			
[ Hyperplasia TGLS = 1-6 ]			
* Stomach, Forestomach	Epithelium	Hyperplasia	Squamous, Mild
		Ulcer	Minimal
[ Hyperplasia TGLS = 4-22 ]			
* Uterus	Endometrium	Hyperplasia	Cystic, Moderate
[ Hyperplasia TGLS = 2-7 ]			

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 93023-07  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** 2,4-Hexadienal  
**CAS Number:** 142-83-6

**Date Report Requested:** 10/20/2014  
**Time Report Requested:** 13:41:50  
**First Dose M/F:** NA / NA  
**Lab:** SRI

**ANIMAL ID:** 319

**TRT#:** 6

**SEX:** Female

**DAY ON TEST:** 733

**DOSE:** 60 MG/KG/DY

**DISP:** Terminal Sacrifice

**HISTO:** 99-87532

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

* Adrenal Cortex	* 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
* Lung	* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Mammary Gland
* Ovary	* Pancreas	* Parathyroid Gland	* Pituitary Gland
* Salivary Glands	* Skin	* Spleen	* Stomach, Forestomach
* Stomach, Glandular	* Thymus	* Trachea	* Urinary Bladder

**OBSERVATIONS**

* Kidney		Nephropathy	Minimal
* Liver		Infiltration Cellular	Mixed Cell, Minimal
* Nose	Respirat Epith	Cytoplasmic Alteration	Mild
* Thyroid Gland		Degeneration	Cystic, Focal, Mild
* Uterus		Hydrometra	Moderate
	Endometrium	Hyperplasia	Cystic, Mild

[ Hydrometra TGLS = 1-7 ]

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 93023-07  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** 2,4-Hexadienal  
**CAS Number:** 142-83-6

**Date Report Requested:** 10/20/2014  
**Time Report Requested:** 13:41:50  
**First Dose M/F:** NA / NA  
**Lab:** SRI

**ANIMAL ID:** 320

**TRT#:** 6

**SEX:** Female

**DAY ON TEST:** 733

**DOSE:** 60 MG/KG/DY

**DISP:** Terminal Sacrifice

**HISTO:** 99-87533

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

* Adrenal Cortex	* 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	* Ovary	* Pancreas	* Parathyroid Gland
Pleura	* Salivary Glands	* Skin	* Stomach, Forestomach
* Stomach, Glandular	* Trachea	* Urinary Bladder	

**OBSERVATIONS**

* Liver		Infiltration Cellular Mixed Cell Focus Necrosis	Mixed Cell, Minimal
Mesentery [ Necrosis TGLS = 1-21 ]	Fat		Moderate
* Nose	Olfactory Epi Respirat Epith	Cytoplasmic Alteration Cytoplasmic Alteration	Minimal Minimal
* Pituitary Gland	Pars Distalis	Adenoma	
* Spleen [ Hematopoietic Cell Proliferation TGLS = 3-6 ]		Hematopoietic Cell Proliferation	Mild
* Thymus		Hyperplasia	Lymphoid, Moderate
* Thyroid Gland		Ectopic Thymus	Mild
* Uterus [ Hydrometra TGLS = 2-7 ]	Endometrium	Hydrometra Hyperplasia	Moderate Cystic, Moderate

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE



**Experiment Number:** 93023-07  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** 2,4-Hexadienal  
**CAS Number:** 142-83-6

**Date Report Requested:** 10/20/2014  
**Time Report Requested:** 13:41:50  
**First Dose M/F:** NA / NA  
**Lab:** SRI

**ANIMAL ID:** 321

**TRT#:** 6

**SEX:** Female

**DAY ON TEST:** 672

**DOSE:** 60 MG/KG/DY

**DISP:** Moribund Sacrifice

**HISTO:** 99-86618

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

* Adrenal Cortex	* Adrenal Medulla	* 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	* Lung
* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Mammary Gland	* Pancreas
* Parathyroid Gland	Peripheral Nerve	* Pituitary Gland	* Salivary Glands
* Skin	Spinal Cord	* Stomach, Glandular	* Thymus
* Thyroid Gland	* Trachea	* Urinary Bladder	

**OBSERVATIONS**

* Kidney		Cyst	Multiple, Moderate
		Nephropathy	Minimal
[ Cyst TGLS = 7-5 ]			
* Liver		Hepatocellular Adenoma	
	Centrilobular, Hepatocyte	Vacuolization Cytoplasmic	Moderate
[ Hepatocellular Adenoma TGLS = 8-23 ]			
Mesentery		Necrosis	Moderate
[ Necrosis TGLS = 2-21, 6-22 ]	Fat		
* Nose		Cytoplasmic Alteration	Mild
* Ovary	Respirat Epith	Cyst	Moderate
[ Cyst TGLS = 5-7 ]			
* Spleen		Depletion Cellular	Moderate
[ Depletion Cellular TGLS = 4-6 ]			
* Stomach, Forestomach	Epithelium	Hyperplasia	Squamous, Moderate
		Squamous Cell Papilloma	
* Uterus		Hydrometra	Moderate
	Endometrium	Hyperplasia	Cystic, Moderate
[ Hydrometra TGLS = 3-7 ]			
[ Hyperplasia TGLS = 9-7 ]			

**PRIMARY CAUSE OF DEATH** - Stomach, Forestomach Squamous Cell Papilloma

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 93023-07  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** 2,4-Hexadienal  
**CAS Number:** 142-83-6

**Date Report Requested:** 10/20/2014  
**Time Report Requested:** 13:41:50  
**First Dose M/F:** NA / NA  
**Lab:** SRI

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<b>ANIMAL ID:</b> 322	<b>TRT#:</b> 6	<b>SEX:</b> Female	<b>DAY ON TEST:</b> 716
	<b>DOSE:</b> 60 MG/KG/DY	<b>DISP:</b> Natural Death	<b>HISTO:</b> 99-86867

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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**NORMAL**

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Brain	* Esophagus	* Heart	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Ileum	* Islets, Pancreatic	* Lung
* Lymph Node, Mesenteric	* Mammary Gland	* Pancreas	* Parathyroid Gland
* Pituitary Gland	* Salivary Glands	* Skin	* Spleen
* Stomach, Forestomach	* Stomach, Glandular	* Thymus	* Thyroid Gland
* Trachea	* Urinary Bladder		

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**AUTO PRECLUDES DIAG.**

* Gallbladder	* Intestine Large, Cecum	* Intestine Small, Duodenum	* Intestine Small, Jejunum
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**INSUFFICIENT TISSUE**

\* Ovary

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**OBSERVATIONS**

* Clitoral Gland		Inflammation	Chronic, Mild
* Kidney		Nephropathy	Minimal
* Liver		Hepatocellular Adenoma	
		Infiltration Cellular	Mixed Cell, Minimal
	Hepatocyte, Periportal	Vacuolization Cytoplasmic	Mild
[ Hepatocellular Adenoma TGLS = 4-22 ]			
* Lymph Node, Mandibular		Congestion	Moderate
[ Congestion TGLS = 1-8 ]			
Mesentery	Fat	Necrosis	Moderate
[ Necrosis TGLS = 3-21 ]			
* Nose	Respirat Epith	Cytoplasmic Alteration	Moderate
* Uterus		Hydrometra	Moderate
[ Hydrometra TGLS = 2-7 ]			

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**PRIMARY CAUSE OF DEATH** - Liver Hepatocellular Adenoma

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 93023-07  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** 2,4-Hexadienal  
**CAS Number:** 142-83-6

**Date Report Requested:** 10/20/2014  
**Time Report Requested:** 13:41:50  
**First Dose M/F:** NA / NA  
**Lab:** SRI

**ANIMAL ID:** 323

**TRT#:** 6

**SEX:** Female

**DAY ON TEST:** 734

**DOSE:** 60 MG/KG/DY

**DISP:** Terminal Sacrifice

**HISTO:** 99-87534

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

* Adrenal Cortex	* 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	* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Mammary Gland
* Ovary	* Pancreas	* Parathyroid Gland	* Salivary Glands
* Skin	* Stomach, Glandular	* Thymus	* Thyroid Gland
* Trachea	* Urinary Bladder		

**OBSERVATIONS**

* Clitoral Gland			
Note: One clitoral gland is missing.			
* Liver		Infiltration Cellular	Mixed Cell, Minimal
* Lung		Hyperplasia	Lymphoid, Mild
Mesentery	Fat	Necrosis	Moderate
[ Necrosis TGLS = 1-21 ]			
* Nose	Olfactory Epi	Cytoplasmic Alteration	Minimal
	Respirat Epith	Cytoplasmic Alteration	Moderate
* Pituitary Gland	Pars Distalis	Adenoma	
[ Adenoma TGLS = 3-1 ]			
* Spleen		Hematopoietic Cell Proliferation	Moderate
* Stomach, Forestomach		Squamous Cell Papilloma	
[ Squamous Cell Papilloma TGLS = 4-22 ]			
* Uterus	Endometrium	Hydrometra	Moderate
		Hyperplasia	Cystic, Moderate
[ Hydrometra TGLS = 2-7 ]			
[ Hyperplasia TGLS = 2-7 ]			

**PRIMARY CAUSE OF DEATH**

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 93023-07  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** 2,4-Hexadienal  
**CAS Number:** 142-83-6

**Date Report Requested:** 10/20/2014  
**Time Report Requested:** 13:41:50  
**First Dose M/F:** NA / NA  
**Lab:** SRI

**ANIMAL ID:** 324

**TRT#:** 6

**SEX:** Female

**DAY ON TEST:** 734

**DOSE:** 60 MG/KG/DY

**DISP:** Terminal Sacrifice

**HISTO:** 99-87535

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

* Adrenal Cortex	* Adrenal Medulla	Blood Vessel	* 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
* Pancreas	* Parathyroid Gland	* Salivary Glands	* Skin
* Stomach, Forestomach	* Stomach, Glandular	* Trachea	* Urinary Bladder
* Uterus			

**OBSERVATIONS**

* Bone Marrow	Myeloid Cell	Hyperplasia	Mild
* Kidney		Lymphoma Malignant	
* Liver		Lymphoma Malignant	
[ Lymphoma Malignant TGLS = 8-6 ]			
* Lung		Lymphoma Malignant	
Lymph Node	Iliac	Lymphoma Malignant	
	Mediastinal	Lymphoma Malignant	
	Pancreatic	Lymphoma Malignant	
	Renal	Lymphoma Malignant	
		Lymphoma Malignant	
Note: TGL 3-21 affects axillary lymph node.			
[ Lymphoma Malignant TGLS = 3-21 ]			
[ Lymphoma Malignant TGLS = 10-24 ]			
[ Lymphoma Malignant TGLS = 9-23 ]			
[ Lymphoma Malignant TGLS = 7-7 ]			
[ Lymphoma Malignant TGLS = 12-2 ]			
* Lymph Node, Mandibular		Lymphoma Malignant	
[ Lymphoma Malignant TGLS = 2-8 ]			
* Lymph Node, Mesenteric		Lymphoma Malignant	
[ Lymphoma Malignant TGLS = 11-5 ]			
* Mammary Gland		Adenoacanthoma	
Note: Mammary gland carcinoma is adenosquamous type.			

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 93023-07  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** 2,4-Hexadienal  
**CAS Number:** 142-83-6

**Date Report Requested:** 10/20/2014  
**Time Report Requested:** 13:41:50  
**First Dose M/F:** NA / NA  
**Lab:** SRI

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<b>ANIMAL ID:</b> 324	<b>TRT#:</b> 6	<b>SEX:</b> Female	<b>DAY ON TEST:</b> 734
	<b>DOSE:</b> 60 MG/KG/DY	<b>DISP:</b> Terminal Sacrifice	<b>HISTO:</b> 99-87535

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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[ Adenoacanthoma TGLS = 4-22 ]			
Mesentery		Lymphoma Malignant	
* Nose	Respirat Epith	Cytoplasmic Alteration	Mild
* Ovary		Cyst	Moderate
		Thrombosis	Moderate
[ Cyst TGLS = 5-7 ]			
[ Thrombosis TGLS = 5-7 ]			
* Pituitary Gland	Pars Distalis	Cytoplasmic Alteration	Focal, Mild
* Spleen		Hematopoietic Cell Proliferation	Moderate
		Lymphoma Malignant	
[ Hematopoietic Cell Proliferation TGLS = 6-6 ]			
[ Lymphoma Malignant TGLS = 6-6 ]			
* Thymus		Lymphoma Malignant	
* Thyroid Gland		Ectopic Thymus	Minimal

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PRIMARY CAUSE OF DEATH -

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 93023-07  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** 2,4-Hexadienal  
**CAS Number:** 142-83-6

**Date Report Requested:** 10/20/2014  
**Time Report Requested:** 13:41:50  
**First Dose M/F:** NA / NA  
**Lab:** SRI

**ANIMAL ID:** 325

**TRT#:** 6

**SEX:** Female

**DAY ON TEST:** 734

**DOSE:** 60 MG/KG/DY

**DISP:** Terminal Sacrifice

**HISTO:** 99-87536

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

* Adrenal Cortex	* 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
* Lung	* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Mammary Gland
* Ovary	* Pancreas	* Parathyroid Gland	* Pituitary Gland
* Salivary Glands	* Skin	* Stomach, Forestomach	* Stomach, Glandular
* Thymus	* Trachea	* Urinary Bladder	

**OBSERVATIONS**

* Clitoral GI			
Note: One clitoral gland is missing.			
* Kidney	Papilla	Infarct	Mild
		Necrosis	Moderate
		Nephropathy	Mild
* Liver		Infiltration Cellular	Mixed Cell, Minimal
* Nose	Olfactory Epi	Cytoplasmic Alteration	Minimal
	Respirat Epith	Cytoplasmic Alteration	Minimal
		Inflammation	Suppurative, Mild
* Spleen		Hematopoietic Cell Proliferation	Mild
* Thyroid Gland		Degeneration	Cystic, Focal, Minimal
* Uterus		Hydrometra	Moderate
	Endometrium	Hyperplasia	Cystic, Mild

[ Hydrometra TGLS = 1-7 ]

**PRIMARY CAUSE OF DEATH**

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 93023-07  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** 2,4-Hexadienal  
**CAS Number:** 142-83-6

**Date Report Requested:** 10/20/2014  
**Time Report Requested:** 13:41:50  
**First Dose M/F:** NA / NA  
**Lab:** SRI

**ANIMAL ID:** 326

**TRT#:** 6

**SEX:** Female

**DAY ON TEST:** 732

**DOSE:** 60 MG/KG/DY

**DISP:** Terminal Sacrifice

**HISTO:** 99-87537

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

* Adrenal Cortex	* 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	* Mammary Gland
* Ovary	* Pancreas	* Parathyroid Gland	* Skin
* Stomach, Forestomach	* Stomach, Glandular	* Thyroid Gland	* Trachea
* Urinary Bladder			

**INSUFFICIENT TISSUE**

\* Pituitary Gland

**OBSERVATIONS**

* Adren Cortex			
Note: One adrenal gland is missing.			
* Bone Marrow	Myeloid Cell	Hyperplasia	Mild
* Clitoral GI			
Note: One clitoral gland is missing.			
* Kidney		Lymphoma Malignant	
* Liver		Hepatocellular Adenoma	Multiple
		Hyperplasia	Lymphoid, Mild
	Hepatocyte, Periportal	Vacuolization Cytoplasmic	Minimal
[ Hepatocellular Adenoma TGLS = 4-22, 5-23 ]			
* Lung		Hyperplasia	Lymphoid, Mild
Lymph Node	Inguinal	Lymphoma Malignant	
	Mediastinal	Lymphoma Malignant	
[ Lymphoma Malignant TGLS = 6-24 ]			
* Lymph Node, Mandibular		Lymphoma Malignant	
* Lymph Node, Mesenteric		Lymphoma Malignant	
Mesentery		Lymphoma Malignant	
	Fat	Necrosis	Moderate
[ Necrosis TGLS = 1-21 ]			
* Nose	Olfactory Epi	Cytoplasmic Alteration	Minimal

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 93023-07  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** 2,4-Hexadienal  
**CAS Number:** 142-83-6

**Date Report Requested:** 10/20/2014  
**Time Report Requested:** 13:41:50  
**First Dose M/F:** NA / NA  
**Lab:** SRI

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<b>ANIMAL ID:</b> 326	<b>TRT#:</b> 6	<b>SEX:</b> Female	<b>DAY ON TEST:</b> 732
	<b>DOSE:</b> 60 MG/KG/DY	<b>DISP:</b> Terminal Sacrifice	<b>HISTO:</b> 99-87537

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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	Respirat Epith	Cytoplasmic Alteration	Minimal
		Inflammation	Suppurative, Minimal
* Salivary Glands		Hyperplasia	Lymphoid, Mild
* Spleen		Hematopoietic Cell Proliferation	Moderate
		Lymphoma Malignant	
* Thymus		Lymphoma Malignant	
* Uterus		Hydrometra	Moderate
	Endometrium	Hyperplasia	Cystic, Moderate
	Endometrium	Polyp Stromal	
	[ Hydrometra TGLS = 3-7 ]		
	[ Polyp Stromal TGLS = 2-7 ]		

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PRIMARY CAUSE OF DEATH

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\* PROTOCOL REQUIRED TISSUE



**Experiment Number:** 93023-07  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** 2,4-Hexadienal  
**CAS Number:** 142-83-6

**Date Report Requested:** 10/20/2014  
**Time Report Requested:** 13:41:50  
**First Dose M/F:** NA / NA  
**Lab:** SRI

**ANIMAL ID:** 327

**TRT#:** 6

**SEX:** Female

**DAY ON TEST:** 732

**DOSE:** 60 MG/KG/DY

**DISP:** Terminal Sacrifice

**HISTO:** 99-87538

**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, Mesenteric	* Mammary Gland	* Pancreas
* Parathyroid Gland	* Pituitary Gland	* Skin	* Stomach, Glandular
* Thymus	* Trachea	* Urinary Bladder	

**MISSING**

* Lymph Node, Mandibular	* Salivary Glands
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**OBSERVATIONS**

* Adrenal Cortex		Hepatocellular Carcinoma	Metastatic (Liver)
* Liver		Angiectasis	Moderate
		Hemorrhage	Focal, Moderate
		Hepatocellular Carcinoma	
		Infiltration Cellular	Mixed Cell, Minimal
[ Angiectasis TGLS = 3-22 ]			
[ Hemorrhage TGLS = 3-22 ]			
[ Hepatocellular Carcinoma TGLS = 3-22 ]			
Mesentery	Fat	Necrosis	Moderate
[ Necrosis TGLS = 1-21 ]			
* Nose	Olfactory Epi	Cytoplasmic Alteration	Minimal
	Respirat Epith	Cytoplasmic Alteration	Mild
* Ovary		Cyst	Mild
* Spleen		Hematopoietic Cell Proliferation	Moderate
[ Hematopoietic Cell Proliferation TGLS = 2-6 ]			
* Stomach, Forestomach		Squamous Cell Papilloma	
[ Squamous Cell Papilloma TGLS = 4-23 ]			
* Thyroid Gland		Degeneration	Cystic, Focal, Minimal
* Uterus	Endometrium	Hyperplasia	Cystic, Mild

PRIMARY CAUSE OF DEATH

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 93023-07  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** 2,4-Hexadienal  
**CAS Number:** 142-83-6

**Date Report Requested:** 10/20/2014  
**Time Report Requested:** 13:41:50  
**First Dose M/F:** NA / NA  
**Lab:** SRI

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**ANIMAL ID:** 327

**TRT#:** 6

**SEX:** Female

**DAY ON TEST:** 732

**DOSE:** 60 MG/KG/DY

**DISP:** Terminal Sacrifice

**HISTO:** 99-87538

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 93023-07  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** 2,4-Hexadienal  
**CAS Number:** 142-83-6

**Date Report Requested:** 10/20/2014  
**Time Report Requested:** 13:41:50  
**First Dose M/F:** NA / NA  
**Lab:** SRI

**ANIMAL ID:** 328

**TRT#:** 6

**SEX:** Female

**DAY ON TEST:** 637

**DOSE:** 60 MG/KG/DY

**DISP:** Moribund Sacrifice

**HISTO:** 99-86250

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

* Adrenal Cortex	* 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
* Lung	* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Ovary
* Pancreas	* Parathyroid Gland	* Pituitary Gland	* Salivary Glands
* Stomach, Forestomach	* Stomach, Glandular	* Thyroid Gland	* Trachea
* Urinary Bladder			

**INSUFFICIENT TISSUE**

\* Thymus

**OBSERVATIONS**

* Kidney	Renal Tubule	Accumulation, Hyaline Droplet	Moderate
* Liver		Infiltration Cellular	Mixed Cell, Mild
* Mammary Gland		Ectasia	Moderate
		Hyperplasia	Moderate
Mesentery	Fat	Necrosis	Moderate
[ Necrosis TGLS = 4-23 ]			
* Nose	Respirat Epith	Cytoplasmic Alteration	Moderate
* Skin	Subcut Tiss	Fibrosarcoma	Multiple
[ Fibrosarcoma TGLS = 1-21, 2-22 ]			
* Spleen		Hematopoietic Cell Proliferation	Moderate
[ Hematopoietic Cell Proliferation TGLS = 5-6 ]			
Tissue NOS		Fibrosarcoma	
[ Fibrosarcoma TGLS = 6-24 ]			
* Uterus		Hydrometra	Moderate
[ Hydrometra TGLS = 7-7 ]			

**PRIMARY CAUSE OF DEATH**

- Skin Subcut Tiss Fibrosarcoma

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 93023-07  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** 2,4-Hexadienal  
**CAS Number:** 142-83-6

**Date Report Requested:** 10/20/2014  
**Time Report Requested:** 13:41:50  
**First Dose M/F:** NA / NA  
**Lab:** SRI

**ANIMAL ID:** 329

**TRT#:** 6

**SEX:** Female

**DAY ON TEST:** 732

**DOSE:** 60 MG/KG/DY

**DISP:** Terminal Sacrifice

**HISTO:** 99-87539

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

* Adrenal Cortex	* 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	* Ovary	* Pancreas	* Parathyroid Gland
* Pituitary Gland	* Salivary Glands	* Skin	* Spleen
* Stomach, Forestomach	* Stomach, Glandular	* Thyroid Gland	* Trachea
* Urinary Bladder			

**OBSERVATIONS**

* Liver		Infiltration Cellular	Mixed Cell, Minimal
Mesentery	Fat	Necrosis	Moderate
[ Necrosis TGLS = 1-21 ]			
* Nose	Olfactory Epi	Cytoplasmic Alteration	Minimal
	Respirat Epith	Cytoplasmic Alteration	Minimal
* Thymus		Cyst	Mild
* Uterus		Hydrometra	Moderate
	Endometrium	Hyperplasia	Cystic, Moderate
[ Hydrometra TGLS = 2-7 ]			

**PRIMARY CAUSE OF DEATH**

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 93023-07  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** 2,4-Hexadienal  
**CAS Number:** 142-83-6

**Date Report Requested:** 10/20/2014  
**Time Report Requested:** 13:41:50  
**First Dose M/F:** NA / NA  
**Lab:** SRI

**ANIMAL ID:** 330

**TRT#:** 6

**SEX:** Female

**DAY ON TEST:** 627

**DOSE:** 60 MG/KG/DY

**DISP:** Moribund Sacrifice

**HISTO:** 99-86251

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

* Adrenal Cortex	* 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	* Ovary	* Pancreas	* Parathyroid Gland
Peripheral Nerve	* Pituitary Gland	Skeletal Muscle	* Skin
Spinal Cord	* Spleen	* Stomach, Forestomach	* Stomach, Glandular
* Thymus	* Thyroid Gland	* Trachea	* Urinary Bladder

**OBSERVATIONS**

* Liver		Hepatocellular Adenoma	
		Infiltration Cellular	Mixed Cell, Minimal
	Hepatocyte, Midzonal	Vacuolization Cytoplasmic	Mild
[ Hepatocellular Adenoma TGLS = 3-22 ]			
Mesentery	Fat	Necrosis	Mild
[ Necrosis TGLS = 2-21 ]			
* Nose	Respirat Epith	Cytoplasmic Alteration	Moderate
* Salivary Glands		Hyperplasia	Lymphoid, Mild
* Uterus		Hydrometra	Moderate
	Endometrium	Hyperplasia	Cystic, Mild
[ Hydrometra TGLS = 4-7 ]			

**PRIMARY CAUSE OF DEATH**

- UNCERTAIN

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 93023-07  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** 2,4-Hexadienal  
**CAS Number:** 142-83-6

**Date Report Requested:** 10/20/2014  
**Time Report Requested:** 13:41:50  
**First Dose M/F:** NA / NA  
**Lab:** SRI

**ANIMAL ID:** 331

**TRT#:** 6

**SEX:** Female

**DAY ON TEST:** 734

**DOSE:** 60 MG/KG/DY

**DISP:** Terminal Sacrifice

**HISTO:** 99-87540

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

* Adrenal Cortex	* 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	* Ovary	* Pancreas	* Parathyroid Gland
* Pituitary Gland	* Salivary Glands	* Skin	* Stomach, Glandular
* Thymus	* Thyroid Gland	* Trachea	* Urinary Bladder

**OBSERVATIONS**

* Liver		Infiltration Cellular	Mixed Cell, Minimal
Mesentery	Fat	Necrosis	Mild
[ Necrosis TGLS = 1-21 ]			
* Nose	Respirat Epith	Cytoplasmic Alteration	Mild
		Inflammation	Suppurative, Minimal
* Spleen		Hematopoietic Cell Proliferation	Mild
* Stomach, Forestomach		Squamous Cell Papilloma	Multiple
[ Squamous Cell Papilloma TGLS = 3-22, 4-23 ]			
* Uterus	Endometrium	Hydrometra	Moderate
		Hyperplasia	Cystic, Moderate
[ Hydrometra TGLS = 2-7 ]			

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 93023-07  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** 2,4-Hexadienal  
**CAS Number:** 142-83-6

**Date Report Requested:** 10/20/2014  
**Time Report Requested:** 13:41:50  
**First Dose M/F:** NA / NA  
**Lab:** SRI

**ANIMAL ID:** 332

**TRT#:** 6

**SEX:** Female

**DAY ON TEST:** 734

**DOSE:** 60 MG/KG/DY

**DISP:** Terminal Sacrifice

**HISTO:** 99-87541

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

* Adrenal Cortex	* 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
* Lung	* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Mammary Gland
* Pancreas	* Parathyroid Gland	* Salivary Glands	* Skin
* Stomach, Glandular	* Thymus	* Thyroid Gland	* Trachea
* Urinary Bladder			

**OBSERVATIONS**

* Clitoral Gland			
Note: One clitoral gland is missing.			
* Kidney		Nephropathy	Minimal
* Liver		Infiltration Cellular	Mixed Cell, Minimal
Mesentery	Fat	Necrosis	Moderate
[ Necrosis TGLS = 1-21 ]			
* Nose	Olfactory Epi	Cytoplasmic Alteration	Minimal
	Respirat Epith	Cytoplasmic Alteration	Mild
* Ovary		Cystadenoma	
* Pituitary Gland	Pars Intermed	Adenoma	
	Pars Distalis	Cytoplasmic Alteration	Focal, Minimal
[ Adenoma TGLS = 3-1 ]			
* Spleen		Hematopoietic Cell Proliferation	Mild
[ Hematopoietic Cell Proliferation TGLS = 2-6 ]			
* Stomach, Forestomach	Epithelium	Hyperplasia	Squamous, Minimal
[ Hyperplasia TGLS = 4-22 ]			
* Uterus	Endometrium	Hyperplasia	Cystic, Minimal

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 93023-07  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** 2,4-Hexadienal  
**CAS Number:** 142-83-6

**Date Report Requested:** 10/20/2014  
**Time Report Requested:** 13:41:50  
**First Dose M/F:** NA / NA  
**Lab:** SRI

**ANIMAL ID:** 333      **TRT#:** 6      **SEX:** Female      **DAY ON TEST:** 734  
**DOSE:** 60 MG/KG/DY      **DISP:** Terminal Sacrifice      **HISTO:** 99-87542

**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	* Lung
* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Mammary Gland	* Parathyroid Gland
* Salivary Glands	* Skin	* Stomach, Forestomach	* Stomach, Glandular
* Thymus	* Thyroid Gland	* Trachea	* Urinary Bladder

**OBSERVATIONS**

* Adrenal Cortex		Accessory Adrenal Cortical Nodule	Minimal
* Kidney		Nephropathy	Minimal
* Liver		Hepatocellular Adenoma	
		Infiltration Cellular	Mixed Cell, Minimal
	[ Hepatocellular Adenoma TGLS = 4-22 ]		
Mesentery	Fat	Necrosis	Moderate
	[ Necrosis TGLS = 3-21 ]		
* Nose	Respirat Epith	Cytoplasmic Alteration	Minimal
		Inflammation	Suppurative, Mild
* Ovary		Cyst	Mild
* Pancreas	Duct	Cyst	Moderate
	[ Cyst TGLS = 1-23 ]		
* Pituitary Gland	Pars Distalis	Adenoma	
	Pars Distalis	Degeneration	Cystic, Focal, Moderate
* Spleen		Hematopoietic Cell Proliferation	Moderate
	[ Hematopoietic Cell Proliferation TGLS = 2-6 ]		
* Uterus	Endometrium	Hydrometra	Moderate
		Hyperplasia	Cystic, Moderate
	[ Hyperplasia TGLS = 5-7 ]		

PRIMARY CAUSE OF DEATH -

\* PROTOCOL REQUIRED TISSUE



**Experiment Number:** 93023-07  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** 2,4-Hexadienal  
**CAS Number:** 142-83-6

**Date Report Requested:** 10/20/2014  
**Time Report Requested:** 13:41:50  
**First Dose M/F:** NA / NA  
**Lab:** SRI

**ANIMAL ID:** 334

**TRT#:** 6

**SEX:** Female

**DAY ON TEST:** 734

**DOSE:** 60 MG/KG/DY

**DISP:** Terminal Sacrifice

**HISTO:** 99-87543

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

* Adrenal Cortex	* 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
* Lung	* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Mammary Gland
* Pancreas	* Parathyroid Gland	* Pituitary Gland	* Salivary Glands
* Skin	* Stomach, Forestomach	* Stomach, Glandular	* Thymus
* Trachea	* Urinary Bladder		

**OBSERVATIONS**

* Kidney		Hyperplasia	Lymphoid, Mild
* Liver		Infiltration Cellular	Mixed Cell, Mild
* Nose	Olfactory Epi	Cytoplasmic Alteration	Mild
	Respirat Epith	Cytoplasmic Alteration	Mild
		Inflammation	Suppurative, Moderate
* Ovary		Cyst	Mild
* Spleen		Hematopoietic Cell Proliferation	Moderate
* Thyroid Gland		Degeneration	Cystic, Focal, Minimal
* Uterus		Hydrometra	Moderate
	Endometrium	Hyperplasia	Cystic, Moderate

[ Hydrometra TGLS = 1-7 ]

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 93023-07  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** 2,4-Hexadienal  
**CAS Number:** 142-83-6

**Date Report Requested:** 10/20/2014  
**Time Report Requested:** 13:41:51  
**First Dose M/F:** NA / NA  
**Lab:** SRI

**ANIMAL ID:** 335

**TRT#:** 6

**SEX:** Female

**DAY ON TEST:** 734

**DOSE:** 60 MG/KG/DY

**DISP:** Terminal Sacrifice

**HISTO:** 99-87544

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

* Adrenal Cortex	* 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
* Lung	* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Mammary Gland
* Ovary	* Pancreas	* Parathyroid Gland	* Pituitary Gland
* Salivary Glands	* Skin	* Stomach, Forestomach	* Stomach, Glandular
* Thymus	* Thyroid Gland	* Trachea	* Urinary Bladder

**OBSERVATIONS**

* Kidney		Nephropathy	Minimal
* Liver		Infiltration Cellular	Mixed Cell, Mild
Lymph Node	Inguinal	Hyperplasia	Lymphoid, Moderate
	Mediastinal	Hyperplasia	Lymphoid, Moderate
[ Hyperplasia TGLS = 1-21 ]			
Mesentery	Fat	Necrosis	Moderate
[ Necrosis TGLS = 2-22, 4-23 ]			
* Nose	Respirat Epith	Cytoplasmic Alteration	Mild
		Inflammation	Suppurative, Minimal
* Spleen		Hematopoietic Cell Proliferation	Mild
		Hyperplasia	Lymphoid, Mild
* Uterus		Hydrometra	Moderate
	Endometrium	Hyperplasia	Cystic, Moderate
[ Hydrometra TGLS = 3-7 ]			

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 93023-07  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** 2,4-Hexadienal  
**CAS Number:** 142-83-6

**Date Report Requested:** 10/20/2014  
**Time Report Requested:** 13:41:51  
**First Dose M/F:** NA / NA  
**Lab:** SRI

**ANIMAL ID:** 336

**TRT#:** 6

**SEX:** Female

**DAY ON TEST:** 643

**DOSE:** 60 MG/KG/DY

**DISP:** Moribund Sacrifice

**HISTO:** 99-86352

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* 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	* Lung
* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Mammary Gland	* Ovary
* Pancreas	* Parathyroid Gland	* Salivary Glands	* Skin
* Spleen	* Stomach, Forestomach	* Stomach, Glandular	* Thymus
* Trachea	* Urinary Bladder	* Uterus	

**OBSERVATIONS**

* Brain		Compression	Focal, Marked
		Hemorrhage	Focal, Moderate
	Ventricle	Hydrocephalus	Moderate
[ Compression TGLS = 4-1 ]			
* Kidney		Nephropathy	Minimal
* Liver		Infiltration Cellular	Mixed Cell, Mild
Mesentery	Fat	Necrosis	Marked
[ Necrosis TGLS = 1-22, 2-21 ]			
* Nose	Olfactory Epi	Cytoplasmic Alteration	Moderate
	Respirat Epith	Cytoplasmic Alteration	Moderate
		Inflammation	Suppurative, Moderate
* Pituitary Gland	Pars Distalis	Carcinoma	
[ Carcinoma TGLS = 5-1 ]			
* Thyroid Gland	Follicle	Cyst	Mild

**PRIMARY CAUSE OF DEATH**

- Pituitary Gland Pars Distalis Carcinoma

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 93023-07  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** 2,4-Hexadienal  
**CAS Number:** 142-83-6

**Date Report Requested:** 10/20/2014  
**Time Report Requested:** 13:41:51  
**First Dose M/F:** NA / NA  
**Lab:** SRI

**ANIMAL ID:** 337

**TRT#:** 6

**SEX:** Female

**DAY ON TEST:** 734

**DOSE:** 60 MG/KG/DY

**DISP:** Terminal Sacrifice

**HISTO:** 99-87545

**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	* Mammary Gland
* Ovary	* Pancreas	* Parathyroid Gland	* Skin
* Stomach, Glandular	* Trachea		

**OBSERVATIONS**

* Adrenal Cortex	Subcapsular	Hyperplasia	Focal, Minimal
* Kidney		Infarct	Mild
		Lymphoma Malignant	
[ Lymphoma Malignant TGLS = 5-26 ]			
* Liver		Infarct	Chronic, Moderate
		Infiltration Cellular	Mixed Cell, Mild
		Ito Cell Tumor Benign	
		Lymphoma Malignant	
		Mineralization	Focal, Mild
[ Infarct TGLS = 9-24 ]			
[ Ito Cell Tumor Benign TGLS = 9-24 ]			
[ Mineralization TGLS = 9-24 ]			
* Lung		Lymphoma Malignant	
Lymph Node	Iliac	Lymphoma Malignant	
	Inguinal	Lymphoma Malignant	
	Mediastinal	Lymphoma Malignant	
	Renal	Lymphoma Malignant	
[ Lymphoma Malignant TGLS = 10-25 ]			
[ Lymphoma Malignant TGLS = 7-22 ]			
[ Lymphoma Malignant TGLS = 8-23 ]			
* Lymph Node, Mandibular		Lymphoma Malignant	
[ Lymphoma Malignant TGLS = 1-8 ]			
* Lymph Node, Mesenteric		Lymphoma Malignant	

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 93023-07

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: 2,4-Hexadienal

CAS Number: 142-83-6

Date Report Requested: 10/20/2014

Time Report Requested: 13:41:51

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 337

TRT#: 6

SEX: Female

DAY ON TEST: 734

DOSE: 60 MG/KG/DY

DISP: Terminal Sacrifice

HISTO: 99-87545

ORGAN AND ACCOUNTABLE SITE STATUS

[ Lymphoma Malignant TGLS = 6-5 ]			
Mesentery		Lymphoma Malignant	
	Fat	Necrosis	Moderate
[ Necrosis TGLS = 2-21 ]			
* Nose	Olfactory Epi	Cytoplasmic Alteration	Minimal
	Respirat Epith	Cytoplasmic Alteration	Minimal
* Pituitary Gland	Pars Distalis	Hyperplasia	Focal, Mild
* Salivary Glands		Lymphoma Malignant	
* Spleen		Lymphoma Malignant	
[ Lymphoma Malignant TGLS = 4-6 ]			
* Stomach, Forestomach	Epithelium	Hyperplasia	Squamous, Mild
[ Hyperplasia TGLS = 11-4, 12-27 ]			
* Thymus		Lymphoma Malignant	
* Thyroid Gland		Degeneration	Cystic, Focal, Minimal
* Urinary Bladder		Lymphoma Malignant	
* Uterus		Hydrometra	Moderate
	Endometrium	Hyperplasia	Cystic, Moderate
[ Hydrometra TGLS = 3-7 ]			

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 93023-07  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** 2,4-Hexadienal  
**CAS Number:** 142-83-6

**Date Report Requested:** 10/20/2014  
**Time Report Requested:** 13:41:51  
**First Dose M/F:** NA / NA  
**Lab:** SRI

**ANIMAL ID:** 338

**TRT#:** 6

**SEX:** Female

**DAY ON TEST:** 734

**DOSE:** 60 MG/KG/DY

**DISP:** Terminal Sacrifice

**HISTO:** 99-87546

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Brain
* Esophagus	* Gallbladder	* Heart	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Mammary Gland	* Pancreas
* Parathyroid Gland	* Pituitary Gland	* Salivary Glands	* Skin
* Stomach, Glandular	* Thyroid Gland	* Trachea	* Urinary Bladder

**MISSING**

\* Clitoral Gland

**OBSERVATIONS**

* Bone Marrow		Lymphoma Malignant	
* Kidney		Lymphoma Malignant	
* Liver		Infiltration Cellular	Mixed Cell, Minimal
		Lymphoma Malignant	
		Mixed Cell Focus	
[ Mixed Cell Focus TGLS = 9-24 ]			
* Lung		Lymphoma Malignant	
Lymph Node	Iliac	Lymphoma Malignant	
	Inguinal	Lymphoma Malignant	
	Mediastinal	Lymphoma Malignant	
		Lymphoma Malignant	
Note: TGL 1-21 is axillary lymph node.			
[ Lymphoma Malignant TGLS = 1-21 ]			
[ Lymphoma Malignant TGLS = 8-23 ]			
[ Lymphoma Malignant TGLS = 10-26 ]			
* Lymph Node, Mandibular		Lymphoma Malignant	
[ Lymphoma Malignant TGLS = 2-8 ]			
* Lymph Node, Mesenteric		Lymphoma Malignant	
[ Lymphoma Malignant TGLS = 7-5 ]			
Mesentery	Lymphatic	Angiectasis	Moderate
		Lymphoma Malignant	

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 93023-07  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** 2,4-Hexadienal  
**CAS Number:** 142-83-6

**Date Report Requested:** 10/20/2014  
**Time Report Requested:** 13:41:51  
**First Dose M/F:** NA / NA  
**Lab:** SRI

**ANIMAL ID:** 338

**TRT#:** 6

**SEX:** Female

**DAY ON TEST:** 734

**DOSE:** 60 MG/KG/DY

**DISP:** Terminal Sacrifice

**HISTO:** 99-87546

**ORGAN AND ACCOUNTABLE SITE STATUS**

	Fat	Necrosis	Mild
	[ Angiectasis TGLS = 6-22 ]		
	[ Lymphoma Malignant TGLS = 6-22, 12-25 ]		
	[ Necrosis TGLS = 12-25 ]		
* Nose	Olfactory Epi	Cytoplasmic Alteration	Minimal
	Respirat Epith	Cytoplasmic Alteration	Mild
		Inflammation	Suppurative, Mild
* Ovary		Cyst	Moderate
	[ Cyst TGLS = 4-7 ]		
* Spleen		Hematopoietic Cell Proliferation	Mild
		Lymphoma Malignant	
	[ Lymphoma Malignant TGLS = 5-6 ]		
* Stomach, Forestomach	Epithelium	Hyperplasia	Squamous, Mild
	[ Hyperplasia TGLS = 11-27 ]		
* Thymus		Lymphoma Malignant	
	[ Lymphoma Malignant TGLS = 10-26 ]		
* Uterus	Endometrium	Hydrometra	Moderate
		Hyperplasia	Cystic, Moderate
	[ Hydrometra TGLS = 3-7 ]		

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 93023-07  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** 2,4-Hexadienal  
**CAS Number:** 142-83-6

**Date Report Requested:** 10/20/2014  
**Time Report Requested:** 13:41:51  
**First Dose M/F:** NA / NA  
**Lab:** SRI

**ANIMAL ID:** 339

**TRT#:** 6

**SEX:** Female

**DAY ON TEST:** 734

**DOSE:** 60 MG/KG/DY

**DISP:** Terminal Sacrifice

**HISTO:** 99-87547

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

* Adrenal Cortex	* 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
* Ovary	* Pancreas	* Parathyroid Gland	* Pituitary Gland
* Salivary Glands	* Skin	* Stomach, Glandular	* Thymus
* Trachea	* Urinary Bladder		

**MISSING**

\* Adrenal Medulla

**OBSERVATIONS**

* Liver		Infiltration Cellular	Mixed Cell, Minimal
Mesentery	Lymphatic	Angiectasis	Moderate
		Hemorrhage	Mild
		[ Angiectasis TGLS = 3-21 ]	
		[ Hemorrhage TGLS = 3-21 ]	
* Nose	Olfactory Epi	Cytoplasmic Alteration	Minimal
	Respirat Epith	Cytoplasmic Alteration	Mild
		Inflammation	Suppurative, Minimal
Skeletal Muscle		Fibrosis	Mild
		[ Fibrosis TGLS = 5-22 ]	
* Spleen		Hematopoietic Cell Proliferation	Moderate
		[ Hematopoietic Cell Proliferation TGLS = 1-6 ]	
* Stomach, Forestomach		Erosion	Mild
	Epithelium	Hyperplasia	Squamous, Mild
		[ Hyperplasia TGLS = 6-23 ]	
* Thyroid Gland	Follicular Cel	Carcinoma	
		[ Carcinoma TGLS = 2-3 ]	
* Uterus		Hydrometra	Moderate
	Endometrium	Hyperplasia	Cystic, Moderate

\* PROTOCOL REQUIRED TISSUE



**Experiment Number:** 93023-07  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** 2,4-Hexadienal  
**CAS Number:** 142-83-6

**Date Report Requested:** 10/20/2014  
**Time Report Requested:** 13:41:51  
**First Dose M/F:** NA / NA  
**Lab:** SRI

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**ANIMAL ID:** 339

**TRT#:** 6

**SEX:** Female

**DAY ON TEST:** 734

**DOSE:** 60 MG/KG/DY

**DISP:** Terminal Sacrifice

**HISTO:** 99-87547

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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[ Hydrometra TGLS = 4-7 ]

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PRIMARY CAUSE OF DEATH

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 93023-07  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** 2,4-Hexadienal  
**CAS Number:** 142-83-6

**Date Report Requested:** 10/20/2014  
**Time Report Requested:** 13:41:51  
**First Dose M/F:** NA / NA  
**Lab:** SRI

**ANIMAL ID:** 340

**TRT#:** 6

**SEX:** Female

**DAY ON TEST:** 734

**DOSE:** 60 MG/KG/DY

**DISP:** Terminal Sacrifice

**HISTO:** 99-87548

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

* Adrenal Cortex	* 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	* Islets, Pancreatic	* Kidney
* Liver	* Lung	* Lymph Node, Mandibular	* Lymph Node, Mesenteric
* Mammary Gland	* Ovary	* Pancreas	* Parathyroid Gland
* Pituitary Gland	* Salivary Glands	* Skin	* Spleen
* Stomach, Forestomach	* Stomach, Glandular	* Thymus	* Trachea
* Urinary Bladder			

**INSUFFICIENT TISSUE**

\* Clitoral Gland

**OBSERVATIONS**

* Nose	Olfactory Epi Respirat Epith Glands, Mucosa	Cytoplasmic Alteration Cytoplasmic Alteration Dilatation	Minimal Moderate Focal, Mild
* Thyroid Gland		Degeneration	Cystic, Focal, Minimal
* Uterus	Endometrium	Hyperplasia	Cystic, Moderate

[ Hyperplasia TGLS = 1-7 ]

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 93023-07  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** 2,4-Hexadienal  
**CAS Number:** 142-83-6

**Date Report Requested:** 10/20/2014  
**Time Report Requested:** 13:41:51  
**First Dose M/F:** NA / NA  
**Lab:** SRI

**ANIMAL ID:** 341

**TRT#:** 6

**SEX:** Female

**DAY ON TEST:** 734

**DOSE:** 60 MG/KG/DY

**DISP:** Terminal Sacrifice

**HISTO:** 99-87549

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

* Adrenal Cortex	* 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
* Lymph Node, Mandibular	* Mammary Gland	* Pancreas	* Parathyroid Gland
* Pituitary Gland	* Salivary Glands	* Skin	* Spleen
* Stomach, Forestomach	* Stomach, Glandular	* Thymus	* Thyroid Gland
* Trachea	* Urinary Bladder		

**OBSERVATIONS**

* Kidney		Nephropathy	Minimal
* Liver		Infiltration Cellular	Mixed Cell, Minimal
* Lung		Hemorrhage	Minimal
[ Hemorrhage TGLS = 1-21 ]			
* Lymph Node, Mesenteric		Hyperplasia	Histiocytic, Moderate
* Nose	Olfactory Epi	Cytoplasmic Alteration	Minimal
	Respirat Epith	Cytoplasmic Alteration	Mild
* Ovary		Cystadenoma	
* Uterus		Hydrometra	Moderate
	Endometrium	Hyperplasia	Cystic, Moderate

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 93023-07  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** 2,4-Hexadienal  
**CAS Number:** 142-83-6

**Date Report Requested:** 10/20/2014  
**Time Report Requested:** 13:41:51  
**First Dose M/F:** NA / NA  
**Lab:** SRI

**ANIMAL ID:** 342      **TRT#:** 6      **SEX:** Female      **DAY ON TEST:** 734  
**DOSE:** 60 MG/KG/DY      **DISP:** Terminal Sacrifice      **HISTO:** 99-87550

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

* Adrenal Cortex	* 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	* Mammary Gland
* Pancreas	* Pituitary Gland	* Salivary Glands	* Skin
* Stomach, Glandular	* Thymus	* Thyroid Gland	* Trachea
* Urinary Bladder			

**OBSERVATIONS**

* Liver	Hepatocyte	Infiltration Cellular Mixed Cell Focus	Mixed Cell, Minimal Mild
[ Mixed Cell Focus TGLS = 6-22 ]			
* Lymph Node, Mesenteric		Hyperplasia	Lymphoid, Moderate
[ Hyperplasia TGLS = 4-5 ]			
Mesentery	Fat	Necrosis	Moderate
[ Necrosis TGLS = 1-21 ]			
* Nose	Olfactory Epi Respirat Epith	Cytoplasmic Alteration Cytoplasmic Alteration Angiectasis	Minimal Mild Moderate
* Ovary			
[ Angiectasis TGLS = 5-7 ]			
* Parathyroid Gland		Cyst	Multiple, Moderate
* Spleen		Hematopoietic Cell Proliferation	Mild
[ Hematopoietic Cell Proliferation TGLS = 3-6 ]			
* Stomach, Forestomach	Epithelium	Hyperplasia Squamous Cell Papilloma	Squamous, Mild
[ Hyperplasia TGLS = 8-24 ]			
[ Squamous Cell Papilloma TGLS = 7-23 ]			
* Uterus	Endometrium	Hydrometra Hyperplasia	Moderate Cystic, Moderate
[ Hydrometra TGLS = 2-7 ]			

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 93023-07  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** 2,4-Hexadienal  
**CAS Number:** 142-83-6

**Date Report Requested:** 10/20/2014  
**Time Report Requested:** 13:41:51  
**First Dose M/F:** NA / NA  
**Lab:** SRI

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**ANIMAL ID:** 342

**TRT#:** 6

**SEX:** Female

**DAY ON TEST:** 734

**DOSE:** 60 MG/KG/DY

**DISP:** Terminal Sacrifice

**HISTO:** 99-87550

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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PRIMARY CAUSE OF DEATH

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 93023-07  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** 2,4-Hexadienal  
**CAS Number:** 142-83-6

**Date Report Requested:** 10/20/2014  
**Time Report Requested:** 13:41:51  
**First Dose M/F:** NA / NA  
**Lab:** SRI

**ANIMAL ID:** 343

**TRT#:** 6

**SEX:** Female

**DAY ON TEST:** 734

**DOSE:** 60 MG/KG/DY

**DISP:** Terminal Sacrifice

**HISTO:** 99-87551

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

* Adrenal Cortex	* 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
* Lymph Node, Mandibular	* Mammary Gland	* Pancreas	* Parathyroid Gland
* Pituitary Gland	* Salivary Glands	* Skin	* Stomach, Forestomach
* Stomach, Glandular	* Thymus	* Thyroid Gland	* Trachea
* Urinary Bladder			

**MISSING**

\* Lymph Node, Mesenteric

**INSUFFICIENT TISSUE**

\* Ovary

**OBSERVATIONS**

* Bone Marrow		Hyperplasia	Megakaryocyte, Moderate
* Clitoral GI			
Note: One clitoral gland is missing.			
* Liver	Hepatocyte, Periportal	Angiectasis Congestion Depletion Glycogen Hepatocellular Carcinoma Infiltration Cellular	Mild Focal, Moderate Moderate Mixed Cell, Minimal
[ Angiectasis TGLS = 2-6 ]			
[ Congestion TGLS = 2-6 ]			
[ Hepatocellular Carcinoma TGLS = 3-22 ]			
* Lung		Congestion	Moderate
[ Congestion TGLS = 5-2 ]			
Mesentery	Fat	Necrosis	Moderate
[ Necrosis TGLS = 1-21 ]			
* Nose	Olfactory Epi Respirat Epith	Cytoplasmic Alteration Cytoplasmic Alteration	Mild Mild

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 93023-07  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** 2,4-Hexadienal  
**CAS Number:** 142-83-6

**Date Report Requested:** 10/20/2014  
**Time Report Requested:** 13:41:51  
**First Dose M/F:** NA / NA  
**Lab:** SRI

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<b>ANIMAL ID:</b> 343	<b>TRT#:</b> 6	<b>SEX:</b> Female	<b>DAY ON TEST:</b> 734
	<b>DOSE:</b> 60 MG/KG/DY	<b>DISP:</b> Terminal Sacrifice	<b>HISTO:</b> 99-87551

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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* Spleen		Hematopoietic Cell Proliferation	Moderate
* Uterus		Hydrometra	Moderate
	Endometrium	Hyperplasia	Cystic, Moderate
[ Hydrometra TGLS = 4-7 ]			

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PRIMARY CAUSE OF DEATH

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 93023-07  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** 2,4-Hexadienal  
**CAS Number:** 142-83-6

**Date Report Requested:** 10/20/2014  
**Time Report Requested:** 13:41:51  
**First Dose M/F:** NA / NA  
**Lab:** SRI

**ANIMAL ID:** 344

**TRT#:** 6

**SEX:** Female

**DAY ON TEST:** 661

**DOSE:** 60 MG/KG/DY

**DISP:** Natural Death

**HISTO:** 99-86619

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Brain
* Esophagus	* Gallbladder	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Mammary Gland	* Ovary	* Pancreas
* Parathyroid Gland	* Pituitary Gland	* Skin	* Stomach, Glandular
* Thyroid Gland	* Trachea	* Urinary Bladder	

**OBSERVATIONS**

* Bone Marrow		Lymphoma Malignant	
* Clitoral Gland		Degeneration	Cystic, Mild
[ Degeneration TGLS = 1-8 ]			
* Heart		Mineralization	Focal, Minimal
* Kidney		Lymphoma Malignant	
* Liver		Lymphoma Malignant	
	Hepatocyte, Midzonal	Vacuolization Cytoplasmic	Moderate
* Lung		Lymphoma Malignant	
[ Lymphoma Malignant TGLS = 13-2 ]			
Lymph Node	Mediastinal	Lymphoma Malignant	
	Renal	Lymphoma Malignant	
[ Lymphoma Malignant TGLS = 6-22 ]			
* Lymph Node, Mandibular		Lymphoma Malignant	
* Lymph Node, Mesenteric		Lymphoma Malignant	
[ Lymphoma Malignant TGLS = 7-5 ]			
Mesentery		Lymphoma Malignant	
	Fat	Necrosis	Moderate
[ Necrosis TGLS = 5-21 ]			
* Nose	Respirat Epith	Cytoplasmic Alteration	Moderate
		Inflammation	Suppurative, Mild
* Salivary Glands		Lymphoma Malignant	
* Spleen		Lymphoma Malignant	
[ Lymphoma Malignant TGLS = 2-6 ]			

\* PROTOCOL REQUIRED TISSUE



**Experiment Number:** 93023-07  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** 2,4-Hexadienal  
**CAS Number:** 142-83-6

**Date Report Requested:** 10/20/2014  
**Time Report Requested:** 13:41:51  
**First Dose M/F:** NA / NA  
**Lab:** SRI

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<b>ANIMAL ID:</b> 344	<b>TRT#:</b> 6	<b>SEX:</b> Female	<b>DAY ON TEST:</b> 661
	<b>DOSE:</b> 60 MG/KG/DY	<b>DISP:</b> Natural Death	<b>HISTO:</b> 99-86619

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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* Stomach, Forestomach	Epithelium	Hyperplasia Ulcer	Squamous, Minimal Minimal
* Thymus		Lymphoma Malignant	
* Uterus	Endometrium	Hydrometra Hyperplasia	Moderate Cystic, Moderate
	[ Hydrometra TGLS = 3-7 ]		
	[ Hyperplasia TGLS = 3-7 ]		

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**PRIMARY CAUSE OF DEATH** - Liver Lymphoma Malignant

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 93023-07  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** 2,4-Hexadienal  
**CAS Number:** 142-83-6

**Date Report Requested:** 10/20/2014  
**Time Report Requested:** 13:41:51  
**First Dose M/F:** NA / NA  
**Lab:** SRI

**ANIMAL ID:** 345

**TRT#:** 6

**SEX:** Female

**DAY ON TEST:** 734

**DOSE:** 60 MG/KG/DY

**DISP:** Terminal Sacrifice

**HISTO:** 99-87552

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

* Adrenal Cortex	* 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	* Mammary Gland
* Ovary	* Pancreas	* Parathyroid Gland	* Salivary Glands
* Skin	* Stomach, Forestomach	* Stomach, Glandular	* Thymus
* Thyroid Gland	* Trachea	* Urinary Bladder	

**OBSERVATIONS**

* Liver		Infiltration Cellular	Mixed Cell, Minimal
* Lymph Node, Mesenteric		Hyperplasia	Histiocytic, Moderate
* Nose	Olfactory Epi	Cytoplasmic Alteration	Mild
	Respirat Epith	Cytoplasmic Alteration	Mild
		Inflammation	Suppurative, Mild
* Pituitary Gland	Pars Distalis	Degeneration	Cystic, Focal, Minimal
	Pars Distalis	Hyperplasia	Focal, Mild
* Spleen		Hematopoietic Cell Proliferation	Mild
		Hyperplasia	Lymphoid, Mild
* Uterus		Hydrometra	Moderate
	Endometrium	Hyperplasia	Cystic, Moderate

[ Hydrometra TGLS = 2-7 ]  
[ Hyperplasia TGLS = 1-7 ]

**PRIMARY CAUSE OF DEATH**

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 93023-07  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** 2,4-Hexadienal  
**CAS Number:** 142-83-6

**Date Report Requested:** 10/20/2014  
**Time Report Requested:** 13:41:51  
**First Dose M/F:** NA / NA  
**Lab:** SRI

**ANIMAL ID:** 346

**TRT#:** 6

**SEX:** Female

**DAY ON TEST:** 733

**DOSE:** 60 MG/KG/DY

**DISP:** Terminal Sacrifice

**HISTO:** 99-87553

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

* Adrenal Cortex	* 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	* Pancreas	* Parathyroid Gland	* Salivary Glands
* Skin	* Stomach, Forestomach	* Stomach, Glandular	* Thymus
* Thyroid Gland	* Trachea	* Urinary Bladder	

**OBSERVATIONS**

* Adren Medulla			
Note: Medulla of one adrenal gland is missing.			
* Liver		Hepatocellular Adenoma	
		Infiltration Cellular	Mixed Cell, Minimal
		Necrosis	Moderate
Mesentery	Fat		
[ Necrosis TGLS = 1-21 ]			
* Nose	Olfactory Epi	Cytoplasmic Alteration	Minimal
	Respirat Epith	Cytoplasmic Alteration	Mild
* Ovary		Cyst	Mild
* Pituitary Gland	Pars Distalis	Degeneration	Cystic, Focal, Mild
	Pars Distalis	Hyperplasia	Focal, Mild
* Spleen		Hematopoietic Cell Proliferation	Mild
* Uterus	Endometrium	Hydrometra	Mild
		Hyperplasia	Cystic, Moderate
[ Hydrometra TGLS = 2-7 ]			
[ Hyperplasia TGLS = 3-7 ]			

**PRIMARY CAUSE OF DEATH**

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 93023-07  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** 2,4-Hexadienal  
**CAS Number:** 142-83-6

**Date Report Requested:** 10/20/2014  
**Time Report Requested:** 13:41:51  
**First Dose M/F:** NA / NA  
**Lab:** SRI

**ANIMAL ID:** 347

**TRT#:** 6

**SEX:** Female

**DAY ON TEST:** 649

**DOSE:** 60 MG/KG/DY

**DISP:** Natural Death

**HISTO:** 99-86353

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Brain	* Clitoral Gland	* Esophagus	* Heart
* Intestine Large, Colon	* Intestine Large, Rectum	* Kidney	* Lung
* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Mammary Gland	* Ovary
* Parathyroid Gland	* Pituitary Gland	* Salivary Glands	* Skin
* Spleen	* Stomach, Forestomach	* Thymus	* Thyroid Gland
Tissue NOS	* Trachea		

**AUTO PRECLUDES DIAG.**

* Gallbladder	* Intestine Large, Cecum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Stomach, Glandular	* Urinary Bladder

**OBSERVATIONS**

Eye		Atrophy	Moderate
	Retrobulbar	Carcinoma	Metastatic (Harderian Gland)
[ Atrophy TGLS = 4-22 ]			
[ Carcinoma TGLS = 6-24 ]			
Harderian Gland		Carcinoma	
[ Carcinoma TGLS = 5-23 ]			
* Liver		Hepatocellular Adenoma	
[ Hepatocellular Adenoma TGLS = 7-25 ]			
Mesentery	Fat	Necrosis	Moderate
[ Necrosis TGLS = 1-21 ]			
* Nose	Respirat Epith	Cytoplasmic Alteration	Moderate
		Inflammation	Suppurative, Moderate
* Pancreas		Necrosis	Focal, Moderate
[ Necrosis TGLS = 3-7-1 ]			
* Uterus	Endometrium	Hydrometra	Moderate
		Hyperplasia	Cystic, Mild
[ Hydrometra TGLS = 2-7 ]			

**PRIMARY CAUSE OF DEATH** - Harderian Gland Carcinoma

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 93023-07  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** 2,4-Hexadienal  
**CAS Number:** 142-83-6

**Date Report Requested:** 10/20/2014  
**Time Report Requested:** 13:41:51  
**First Dose M/F:** NA / NA  
**Lab:** SRI

**ANIMAL ID:** 348

**TRT#:** 6

**SEX:** Female

**DAY ON TEST:** 733

**DOSE:** 60 MG/KG/DY

**DISP:** Terminal Sacrifice

**HISTO:** 99-87554

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

* Adrenal Cortex	* 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	* Pancreas	* Parathyroid Gland	* Salivary Glands
* Skin	* Spleen	* Stomach, Forestomach	* Stomach, Glandular
* Thymus	* Thyroid Gland	* Trachea	* Urinary Bladder

**OBSERVATIONS**

* Liver		Infiltration Cellular	Mixed Cell, Minimal
Mesentery	Fat	Necrosis	Mild
* Nose	Olfactory Epi	Cytoplasmic Alteration	Mild
	Respirat Epith	Cytoplasmic Alteration	Mild
* Ovary		Cyst	Moderate
* Pituitary Gland	Pars Distalis	Hyperplasia	Focal, Mild
* Uterus		Hydrometra	Moderate
	Endometrium	Hyperplasia	Cystic, Moderate

[ Hydrometra TGLS = 1-7 ]

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 93023-07  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** 2,4-Hexadienal  
**CAS Number:** 142-83-6

**Date Report Requested:** 10/20/2014  
**Time Report Requested:** 13:41:51  
**First Dose M/F:** NA / NA  
**Lab:** SRI

**ANIMAL ID:** 349      **TRT#:** 6      **SEX:** Female      **DAY ON TEST:** 733  
**DOSE:** 60 MG/KG/DY      **DISP:** Terminal Sacrifice      **HISTO:** 99-87555

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

* Adrenal Cortex	* 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	* Islets, Pancreatic	* Lung
* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Pancreas	* Parathyroid Gland
* Salivary Glands	* Skin	* Stomach, Glandular	* Thymus
* Thyroid Gland	* Trachea	* Urinary Bladder	

**MISSING**

\* Clitoral Gland

**OBSERVATIONS**

Harderian Gland [ Adenoma TGLS = 1-21 ]		Adenoma	
* Kidney		Nephropathy	Minimal
* Liver		Infiltration Cellular	Mixed Cell, Minimal
* Mammary Gland  [ Ectasia TGLS = 2-8 ] [ Hyperplasia TGLS = 2-8 ]		Ectasia Hyperplasia	Mild Mild
Mesentery [ Necrosis TGLS = 3-22, 4-23, 5-24 ]	Fat	Necrosis	Marked
* Nose	Olfactory Epi Respirat Epith	Cytoplasmic Alteration Cytoplasmic Alteration	Mild Mild
* Ovary		Cyst	Mild
* Pituitary Gland	Pars Distalis	Adenoma	
* Spleen		Hematopoietic Cell Proliferation	Moderate
* Stomach, Forestomach [ Squamous Cell Papilloma TGLS = 6-25 ]		Squamous Cell Papilloma	
* Uterus		Hydrometra	Mild
	Endometrium	Hyperplasia	Cystic, Mild

PRIMARY CAUSE OF DEATH

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 93023-07  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** 2,4-Hexadienal  
**CAS Number:** 142-83-6

**Date Report Requested:** 10/20/2014  
**Time Report Requested:** 13:41:51  
**First Dose M/F:** NA / NA  
**Lab:** SRI

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**ANIMAL ID:** 349

**TRT#:** 6

**SEX:** Female

**DAY ON TEST:** 733

**DOSE:** 60 MG/KG/DY

**DISP:** Terminal Sacrifice

**HISTO:** 99-87555

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 93023-07  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** 2,4-Hexadienal  
**CAS Number:** 142-83-6

**Date Report Requested:** 10/20/2014  
**Time Report Requested:** 13:41:51  
**First Dose M/F:** NA / NA  
**Lab:** SRI

**ANIMAL ID:** 350

**TRT#:** 6

**SEX:** Female

**DAY ON TEST:** 733

**DOSE:** 60 MG/KG/DY

**DISP:** Terminal Sacrifice

**HISTO:** 99-87556

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

* Adrenal Cortex	* 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	* Ovary	* Pancreas	* Parathyroid Gland
* Pituitary Gland	* Salivary Glands	* Skin	* Stomach, Forestomach
* Stomach, Glandular	* Thymus	* Thyroid Gland	* Trachea
* Urinary Bladder			

**OBSERVATIONS**

* Liver		Infiltration Cellular	Mixed Cell, Mild
* Nose	Olfactory Epi	Cytoplasmic Alteration	Mild
	Respirat Epith	Cytoplasmic Alteration	Mild
		Inflammation	Suppurative, Minimal
* Spleen		Hematopoietic Cell Proliferation	Mild
* Uterus		Hydrometra	Moderate

[ Hydrometra TGLS = 1-7 ]

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE



**Experiment Number:** 93023-07  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** 2,4-Hexadienal  
**CAS Number:** 142-83-6

**Date Report Requested:** 10/20/2014  
**Time Report Requested:** 13:41:51  
**First Dose M/F:** NA / NA  
**Lab:** SRI

**ANIMAL ID:** 351

**TRT#:** 8

**SEX:** Female

**DAY ON TEST:** 735

**DOSE:** 120 MG/KG/DY

**DISP:** Terminal Sacrifice

**HISTO:** 99-87154

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

* Adrenal Cortex	* 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
* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Mammary Gland	* Pancreas
* Parathyroid Gland	* Salivary Glands	* Skin	* Stomach, Glandular
* Thymus	* Thyroid Gland	* Trachea	* Urinary Bladder

**OBSERVATIONS**

* Adren Medulla			
Note: Medulla of one adrenal gland is missing.			
* Kidney		Nephropathy	Minimal
* Liver		Hepatocellular Adenoma	Multiple
		Infiltration Cellular	Mixed Cell, Minimal
[ Hepatocellular Adenoma TGLS = 5-22, 6-23 ]			
* Lung		Hemorrhage	Focal, Mild
[ Hemorrhage TGLS = 7-2-1, 8-2-2 ]			
Mesentery	Fat	Necrosis	Moderate
[ Necrosis TGLS = 1-21 ]			
* Nose	Olfactory Epi	Cytoplasmic Alteration	Mild
	Respirat Epith	Cytoplasmic Alteration	Mild
* Ovary		Cystadenoma	
* Pituitary Gland	Pars Distalis	Hemorrhage	Focal, Mild
	Pars Distalis	Hyperplasia	Focal, Mild
* Spleen		Hematopoietic Cell Proliferation	Mild
[ Hematopoietic Cell Proliferation TGLS = 2-6 ]			
* Stomach, Forestomach	Epithelium	Hyperplasia	Squamous, Mild
		Inflammation	Focal, Moderate
		Squamous Cell Carcinoma	
		Squamous Cell Papilloma	
[ Hyperplasia TGLS = 9-4 ]			

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 93023-07  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** 2,4-Hexadienal  
**CAS Number:** 142-83-6

**Date Report Requested:** 10/20/2014  
**Time Report Requested:** 13:41:51  
**First Dose M/F:** NA / NA  
**Lab:** SRI

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<b>ANIMAL ID:</b> 351	<b>TRT#:</b> 8	<b>SEX:</b> Female	<b>DAY ON TEST:</b> 735
	<b>DOSE:</b> 120 MG/KG/DY	<b>DISP:</b> Terminal Sacrifice	<b>HISTO:</b> 99-87154

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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[ Squamous Cell Carcinoma TGLS = 9-4-1, 9-4-1.1 ]			
[ Squamous Cell Papilloma TGLS = 9-4-1, 9-4-1.1 ]			
* Uterus		Hydrometra	Moderate
	Endometrium	Hyperplasia	Cystic, Moderate
[ Hydrometra TGLS = 3-7 ]			
[ Hyperplasia TGLS = 4-7 ]			

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PRIMARY CAUSE OF DEATH

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 93023-07  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** 2,4-Hexadienal  
**CAS Number:** 142-83-6

**Date Report Requested:** 10/20/2014  
**Time Report Requested:** 13:41:51  
**First Dose M/F:** NA / NA  
**Lab:** SRI

**ANIMAL ID:** 352

**TRT#:** 8

**SEX:** Female

**DAY ON TEST:** 735

**DOSE:** 120 MG/KG/DY

**DISP:** Terminal Sacrifice

**HISTO:** 99-87155

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

* Adrenal Cortex	* 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
* Lung	* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Mammary Gland
* Pancreas	* Parathyroid Gland	* Pituitary Gland	* Salivary Glands
* Skin	* Stomach, Forestomach	* Stomach, Glandular	* Thymus
* Thyroid Gland	* Trachea	* Urinary Bladder	

**OBSERVATIONS**

* Kidney		Infarct	Mild
		Nephropathy	Mild
* Liver		Infiltration Cellular	Mixed Cell, Minimal
* Nose	Olfactory Epi	Cytoplasmic Alteration	Mild
	Respirat Epith	Cytoplasmic Alteration	Mild
		Inflammation	Suppurative, Mild
* Ovary		Angiectasis	Moderate
* Spleen		Hyperplasia	Lymphoid, Mild
* Uterus		Hydrometra	Moderate
	Endometrium	Hyperplasia	Cystic, Moderate

[ Hydrometra TGLS = 1-7 ]

**PRIMARY CAUSE OF DEATH**

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 93023-07  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** 2,4-Hexadienal  
**CAS Number:** 142-83-6

**Date Report Requested:** 10/20/2014  
**Time Report Requested:** 13:41:51  
**First Dose M/F:** NA / NA  
**Lab:** SRI

**ANIMAL ID:** 353

**TRT#:** 8

**SEX:** Female

**DAY ON TEST:** 669

**DOSE:** 120 MG/KG/DY

**DISP:** Natural Death

**HISTO:** 99-86488

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Brain
* Esophagus	* Heart	* Intestine Large, Colon	* Intestine Large, Rectum
* Islets, Pancreatic	* Lung	* Lymph Node, Mandibular	* Lymph Node, Mesenteric
* Mammary Gland	* Ovary	* Pancreas	* Pituitary Gland
* Salivary Glands	* Skin	* Thymus	* Thyroid Gland
* Trachea	* Urinary Bladder		

**MISSING**

\* Parathyroid Gland

**AUTO PRECLUDES DIAG.**

* Gallbladder	* Intestine Large, Cecum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Kidney		

**OBSERVATIONS**

* Bone Marrow	Myeloid Cell	Hyperplasia	Moderate
* Clitoral Gland		Degeneration	Cystic, Mild
* Liver		Infiltration Cellular	Mixed Cell, Mild
Mesentery	Fat	Necrosis	Moderate
		Squamous Cell Carcinoma	Metastatic (Stomach, Forestomach)
			[ Necrosis TGLS = 3-21, 6-23 ]
			[ Squamous Cell Carcinoma TGLS = 3-21, 4-22, 4-22-1, 4-22-2, 4-22-3, 6-23, 7-24 ]
* Nose	Respirat Epith	Cytoplasmic Alteration	Moderate
		Inflammation	Suppurative, Mild
			Note: Nose: Cytoplasmic alteration of respiratory epithelium is accumulation of eosinophilic hyaline proteinaceous material.
* Spleen		Hematopoietic Cell Proliferation	Moderate
			[ Hematopoietic Cell Proliferation TGLS = 2-6 ]
* Stomach, Forestomach		Squamous Cell Carcinoma	
			[ Squamous Cell Carcinoma TGLS = 4-22, 4-22-1, 4-22-2, 4-22-3 ]
* Stomach, Glandular		Squamous Cell Carcinoma	Metastatic (Stomach, Forestomach)
			[ Squamous Cell Carcinoma TGLS = 4-22-1, 4-22-3 ]
* Uterus		Hydrometra	Moderate
			[ Hydrometra TGLS = 1-7 ]

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 93023-07  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** 2,4-Hexadienal  
**CAS Number:** 142-83-6

**Date Report Requested:** 10/20/2014  
**Time Report Requested:** 13:41:51  
**First Dose M/F:** NA / NA  
**Lab:** SRI

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**ANIMAL ID:** 353

**TRT#:** 8

**SEX:** Female

**DAY ON TEST:** 669

**DOSE:** 120 MG/KG/DY

**DISP:** Natural Death

**HISTO:** 99-86488

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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PRIMARY CAUSE OF DEATH

- Stomach, Forestomach Squamous Cell Carcinoma

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 93023-07  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** 2,4-Hexadienal  
**CAS Number:** 142-83-6

**Date Report Requested:** 10/20/2014  
**Time Report Requested:** 13:41:51  
**First Dose M/F:** NA / NA  
**Lab:** SRI

**ANIMAL ID:** 354

**TRT#:** 8

**SEX:** Female

**DAY ON TEST:** 735

**DOSE:** 120 MG/KG/DY

**DISP:** Terminal Sacrifice

**HISTO:** 99-87156

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

* Adrenal Cortex	* Adrenal Medulla	* 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	* Lung
* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Mammary Gland	* Ovary
* Pancreas	* Parathyroid Gland	* Pituitary Gland	* Salivary Glands
* Skin	* Stomach, Glandular	* Thyroid Gland	* Trachea
* Urinary Bladder			

**OBSERVATIONS**

* Kidney		Nephropathy	Minimal
* Liver		Infiltration Cellular	Mixed Cell, Minimal
Mesentery	Fat	Necrosis	Moderate
[ Necrosis TGLS = 1-21 ]			
* Nose	Olfactory Epi	Cytoplasmic Alteration	Mild
	Respirat Epith	Cytoplasmic Alteration	Mild
		Inflammation	Suppurative, Minimal
* Spleen		Hyperplasia	Lymphoid, Moderate
[ Hyperplasia TGLS = 3-6 ]			
* Stomach, Forestomach	Epithelium	Hyperplasia	Squamous, Minimal
* Thymus		Cyst	Mild
* Uterus	Endometrium	Hyperplasia	Cystic, Mild
[ Hyperplasia TGLS = 2-7 ]			

**PRIMARY CAUSE OF DEATH**

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 93023-07  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** 2,4-Hexadienal  
**CAS Number:** 142-83-6

**Date Report Requested:** 10/20/2014  
**Time Report Requested:** 13:41:51  
**First Dose M/F:** NA / NA  
**Lab:** SRI

**ANIMAL ID:** 355

**TRT#:** 8

**SEX:** Female

**DAY ON TEST:** 614

**DOSE:** 120 MG/KG/DY

**DISP:** Natural Death

**HISTO:** 99-86211

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Brain
* Clitoral Gland	* Esophagus	* 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	* Parathyroid Gland	* Pituitary Gland	* Salivary Glands
* Skin	* Thyroid Gland	* Trachea	* Urinary Bladder

**MISSING**

\* Thymus

**AUTO PRECLUDES DIAG.**

\* Gallbladder

**OBSERVATIONS**

* Bone Marrow	Myeloid Cell	Hyperplasia	Moderate
* Liver	Hepatocyte	Congestion	Focal, Mild
	Hepatocyte	Necrosis	Focal, Mild
		Vacuolization Cytoplasmic	Diffuse, Mild
	[ Congestion TGLS = 7-6 ]		
	[ Necrosis TGLS = 7-6 ]		
	[ Vacuolization Cytoplasmic TGLS = 7-6 ]		
* Lung		Infiltration Cellular	Mixed Cell, Focal, Mild
Lymph Node	Mediastinal	Hemorrhage	Moderate
	Mediastinal	Squamous Cell Carcinoma	Metastatic (Stomach, Forestomach)
* Lymph Node, Mesenteric		Squamous Cell Carcinoma	Metastatic (Stomach, Forestomach)
	[ Squamous Cell Carcinoma TGLS = 3-5 ]		
Mesentery		Squamous Cell Carcinoma	Metastatic (Stomach, Forestomach)
	[ Squamous Cell Carcinoma TGLS = 2-21 ]		
* Nose	Respirat Epith	Cytoplasmic Alteration	Mild
		Inflammation	Suppurative, Moderate
* Ovary		Squamous Cell Carcinoma	Metastatic (Stomach, Forestomach)
* Pancreas		Squamous Cell Carcinoma	Metastatic (Stomach, Forestomach)
	[ Squamous Cell Carcinoma TGLS = 4-22 ]		

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 93023-07  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** 2,4-Hexadienal  
**CAS Number:** 142-83-6

**Date Report Requested:** 10/20/2014  
**Time Report Requested:** 13:41:51  
**First Dose M/F:** NA / NA  
**Lab:** SRI

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<b>ANIMAL ID:</b> 355	<b>TRT#:</b> 8	<b>SEX:</b> Female	<b>DAY ON TEST:</b> 614
	<b>DOSE:</b> 120 MG/KG/DY	<b>DISP:</b> Natural Death	<b>HISTO:</b> 99-86211

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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Skeletal Muscle [ Squamous Cell Carcinoma TGLS = 6-23 ]	Squamous Cell Carcinoma	Metastatic (Stomach, Forestomach)
* Spleen	Hematopoietic Cell Proliferation	Moderate
* Stomach, Forestomach [ Squamous Cell Carcinoma TGLS = 5-4 ]	Squamous Cell Carcinoma	
* Stomach, Glandular [ Squamous Cell Carcinoma TGLS = 8-4 ]	Squamous Cell Carcinoma	Metastatic (Stomach, Forestomach)
* Uterus [ Hydrometra TGLS = 1-7 ]	Hydrometra Hyperplasia	Moderate Cystic, Mild
	Endometrium	

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**PRIMARY CAUSE OF DEATH** - Stomach, Forestomach Squamous Cell Carcinoma

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\* PROTOCOL REQUIRED TISSUE



**Experiment Number:** 93023-07  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** 2,4-Hexadienal  
**CAS Number:** 142-83-6

**Date Report Requested:** 10/20/2014  
**Time Report Requested:** 13:41:51  
**First Dose M/F:** NA / NA  
**Lab:** SRI

**ANIMAL ID:** 356

**TRT#:** 8

**SEX:** Female

**DAY ON TEST:** 734

**DOSE:** 120 MG/KG/DY

**DISP:** Terminal Sacrifice

**HISTO:** 99-87157

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

* Adrenal Cortex	* Adrenal Medulla	* 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	* Lung
* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Mammary Gland	* Ovary
* Pancreas	* Parathyroid Gland	* Salivary Glands	* Skin
* Stomach, Glandular	* Thyroid Gland	* Trachea	* Urinary Bladder

**OBSERVATIONS**

* Kidney		Nephropathy	Minimal
* Liver		Infiltration Cellular	Mixed Cell, Minimal
Mesentery	Fat	Necrosis	Moderate
[ Necrosis TGLS = 1-21 ]			
* Nose	Respirat Epith	Cytoplasmic Alteration	Mild
* Ovary			
Note: One ovary is missing.			
* Pituitary Gland	Pars Distalis	Hyperplasia	Focal, Mild
	Rathkes Cleft	Hyperplasia	Cystic, Moderate
* Spleen		Hyperplasia	Lymphoid, Mild
[ Hyperplasia TGLS = 3-6 ]			
* Stomach, Forestomach	Epithelium	Hyperplasia	Squamous, Mild
[ Hyperplasia TGLS = 4-4-1 ]			
* Thymus		Cyst	Minimal
* Uterus		Hydrometra	Moderate
	Endometrium	Hyperplasia	Cystic, Mild
[ Hydrometra TGLS = 2-7 ]			

**PRIMARY CAUSE OF DEATH**

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 93023-07  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** 2,4-Hexadienal  
**CAS Number:** 142-83-6

**Date Report Requested:** 10/20/2014  
**Time Report Requested:** 13:41:51  
**First Dose M/F:** NA / NA  
**Lab:** SRI

**ANIMAL ID:** 357

**TRT#:** 8

**SEX:** Female

**DAY ON TEST:** 734

**DOSE:** 120 MG/KG/DY

**DISP:** Terminal Sacrifice

**HISTO:** 99-87158

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

* Adrenal Cortex	* 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
* Lung	* Lymph Node, Mandibular	* Mammary Gland	* Pancreas
* Parathyroid Gland	* Pituitary Gland	* Salivary Glands	* Skin
* Spleen	* Stomach, Glandular	* Thymus	* Thyroid Gland
* Trachea	* Urinary Bladder		

**OBSERVATIONS**

* Kidney		Nephropathy	Minimal
* Liver		Hepatocellular Adenoma	
		Infiltration Cellular	Mixed Cell, Minimal
	Hepatocyte	Mixed Cell Focus	Mild
	Hepatocyte, Periportal	Vacuolization Cytoplasmic	Mild
	[ Hepatocellular Adenoma TGLS = 8-23 ]		
	[ Vacuolization Cytoplasmic TGLS = 6-6 ]		
* Lymph Node, Mesenteric		Hyperplasia	Cystic, Mild
	[ Hyperplasia TGLS = 3-22 ]		
Mesentery	Fat	Necrosis	Mild
	[ Necrosis TGLS = 2-21 ]		
* Nose	Olfactory Epi	Cytoplasmic Alteration	Minimal
	Respirat Epith	Cytoplasmic Alteration	Mild
* Ovary		Cyst	Moderate
* Stomach, Forestomach	Epithelium	Hyperplasia	Squamous, Minimal
	[ Hyperplasia TGLS = 1-4 ]		
* Uterus	Endometrium	Hydrometra	Moderate
		Hyperplasia	Cystic, Moderate
	[ Hydrometra TGLS = 4-7 ]		
	[ Hyperplasia TGLS = 5-7 ]		

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 93023-07  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** 2,4-Hexadienal  
**CAS Number:** 142-83-6

**Date Report Requested:** 10/20/2014  
**Time Report Requested:** 13:41:51  
**First Dose M/F:** NA / NA  
**Lab:** SRI

**ANIMAL ID:** 358

**TRT#:** 8

**SEX:** Female

**DAY ON TEST:** 734

**DOSE:** 120 MG/KG/DY

**DISP:** Terminal Sacrifice

**HISTO:** 99-87159

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

* Adrenal Cortex	* 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	* Pancreas	* Salivary Glands	* Skin
* Spleen	* Stomach, Forestomach	* Stomach, Glandular	* Thymus
* Thyroid Gland	* Trachea	* Urinary Bladder	

**MISSING**

\* Parathyroid Gland

**OBSERVATIONS**

* Liver	Bile Duct	Cyst Hepatocellular Carcinoma Infiltration Cellular	Moderate  Mixed Cell, Mild
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Note: Bile duct cyst (TGL 3-6-1) is multilocular type.

[ Cyst TGLS = 3-6-1 ]

[ Hepatocellular Carcinoma TGLS = 4-21 ]

* Nose	Olfactory Epi Respirat Epith	Cytoplasmic Alteration Cytoplasmic Alteration	Mild Mild
* Ovary		Cyst	Moderate
* Pituitary Gland	Pars Distalis	Cytoplasmic Alteration	Focal, Mild
* Uterus		Hydrometra	Moderate

[ Hydrometra TGLS = 1-7 ]

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 93023-07  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** 2,4-Hexadienal  
**CAS Number:** 142-83-6

**Date Report Requested:** 10/20/2014  
**Time Report Requested:** 13:41:51  
**First Dose M/F:** NA / NA  
**Lab:** SRI

**ANIMAL ID:** 359

**TRT#:** 8

**SEX:** Female

**DAY ON TEST:** 734

**DOSE:** 120 MG/KG/DY

**DISP:** Terminal Sacrifice

**HISTO:** 99-87160

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

* Adrenal Cortex	* 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	* Liver	* Lung	* Lymph Node, Mandibular
* Lymph Node, Mesenteric	* Mammary Gland	* Pancreas	* Pituitary Gland
* Salivary Glands	* Skin	* Stomach, Glandular	* Thymus
* Thyroid Gland	* Trachea	* Urinary Bladder	

**MISSING**

\* Parathyroid Gland

**OBSERVATIONS**

* Nose	Olfactory Epi Respirat Epith	Cytoplasmic Alteration Cytoplasmic Alteration Cyst	Mild Mild Mild
* Ovary		Hyperplasia	Lymphoid, Mild
* Spleen		Hyperplasia	Squamous, Mild
* Stomach, Forestomach	Epithelium	Squamous Cell Papilloma	
	[ Hyperplasia TGLS = 2-4-1 ] [ Squamous Cell Papilloma TGLS = 2-4-1 ]		
* Uterus	Endometrium	Hydrometra Hyperplasia	Moderate Cystic, Mild
	[ Hydrometra TGLS = 1-7 ]		

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 93023-07  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** 2,4-Hexadienal  
**CAS Number:** 142-83-6

**Date Report Requested:** 10/20/2014  
**Time Report Requested:** 13:41:51  
**First Dose M/F:** NA / NA  
**Lab:** SRI

**ANIMAL ID:** 360

**TRT#:** 8

**SEX:** Female

**DAY ON TEST:** 643

**DOSE:** 120 MG/KG/DY

**DISP:** Moribund Sacrifice

**HISTO:** 99-86354

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

* Adrenal Cortex	* 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	Lacrimal Gland	* Lung	* Lymph Node, Mandibular
* Lymph Node, Mesenteric	* Mammary Gland	* Ovary	* Pancreas
* Parathyroid Gland	* Salivary Glands	* Skin	* Spleen
* Stomach, Glandular	* Thymus	* Trachea	* Urinary Bladder

**OBSERVATIONS**

* Liver		Infiltration Cellular	Mixed Cell, Minimal
Mesentery	Fat	Necrosis	Moderate
[ Necrosis TGLS = 3-21 ]			
* Nose	Respirat Epith	Cytoplasmic Alteration	Moderate
* Pituitary Gland	Pars Distalis	Cytoplasmic Alteration	Focal, Minimal
* Stomach, Forestomach	Epithelium	Hyperplasia	Squamous, Mild
	Epithelium	Ulcer	Focal, Mild
* Thyroid Gland		Degeneration	Cystic, Focal, Minimal
* Uterus		Hydrometra	Moderate
	Endometrium	Hyperplasia	Cystic, Moderate
[ Hydrometra TGLS = 2-7 ]			
[ Hyperplasia TGLS = 1-7 ]			

**PRIMARY CAUSE OF DEATH**

- UNCERTAIN

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 93023-07  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** 2,4-Hexadienal  
**CAS Number:** 142-83-6

**Date Report Requested:** 10/20/2014  
**Time Report Requested:** 13:41:51  
**First Dose M/F:** NA / NA  
**Lab:** SRI

**ANIMAL ID:** 361

**TRT#:** 8

**SEX:** Female

**DAY ON TEST:** 735

**DOSE:** 120 MG/KG/DY

**DISP:** Terminal Sacrifice

**HISTO:** 99-87161

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

* Adrenal Cortex	* 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
* Lung	* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Mammary Gland
* Ovary	* Pancreas	* Parathyroid Gland	* Pituitary Gland
* Salivary Glands	* Skin	* Stomach, Glandular	* Thymus
* Thyroid Gland	* Trachea	* Urinary Bladder	

**OBSERVATIONS**

* Kidney		Nephropathy	Minimal
* Liver		Hepatocellular Adenoma	
		Infiltration Cellular	Mixed Cell, Minimal
		Ito Cell Tumor Benign	
[ Hepatocellular Adenoma TGLS = 2-22 ]			
[ Ito Cell Tumor Benign TGLS = 1-21 ]			
* Nose	Respirat Epith	Cytoplasmic Alteration	Mild
* Spleen		Hematopoietic Cell Proliferation	Mild
* Stomach, Forestomach	Epithelium	Hyperplasia	Squamous, Mild
[ Hyperplasia TGLS = 4-4-1 ]			
* Uterus	Endometrium	Hydrometra	Moderate
[ Hydrometra TGLS = 3-7 ]		Hyperplasia	Cystic, Moderate

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 93023-07  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** 2,4-Hexadienal  
**CAS Number:** 142-83-6

**Date Report Requested:** 10/20/2014  
**Time Report Requested:** 13:41:51  
**First Dose M/F:** NA / NA  
**Lab:** SRI

**ANIMAL ID:** 362

**TRT#:** 8

**SEX:** Female

**DAY ON TEST:** 735

**DOSE:** 120 MG/KG/DY

**DISP:** Terminal Sacrifice

**HISTO:** 99-87162

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

* Adrenal Cortex	* 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	* Pancreas	* Parathyroid Gland	* Pituitary Gland
* Salivary Glands	* Skin	* Spleen	* Stomach, Glandular
* Thymus	* Thyroid Gland	* Trachea	* Urinary Bladder

**OBSERVATIONS**

* Liver	Hepatocyte, Midzonal	Infiltration Cellular	Mixed Cell, Minimal
	Fat	Vacuolization Cytoplasmic	Minimal
Mesentery [ Necrosis TGLS = 2-21 ]		Necrosis	Moderate
* Nose	Olfactory Epi	Cytoplasmic Alteration	Mild
	Respirat Epith	Cytoplasmic Alteration	Mild
* Ovary [ Cyst TGLS = 3-7 ]		Cyst	Moderate
* Stomach, Forestomach [ Hyperplasia TGLS = 4-4-1 ]	Epithelium	Hyperplasia	Squamous, Mild
* Uterus [ Hydrometra TGLS = 1-7 ]	Endometrium	Hydrometra	Moderate
		Hyperplasia	Cystic, Mild

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 93023-07  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** 2,4-Hexadienal  
**CAS Number:** 142-83-6

**Date Report Requested:** 10/20/2014  
**Time Report Requested:** 13:41:51  
**First Dose M/F:** NA / NA  
**Lab:** SRI

**ANIMAL ID:** 363

**TRT#:** 8

**SEX:** Female

**DAY ON TEST:** 735

**DOSE:** 120 MG/KG/DY

**DISP:** Terminal Sacrifice

**HISTO:** 99-87163

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

* Adrenal Cortex	* 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	* Ovary	* Pancreas	* Parathyroid Gland
* Pituitary Gland	* Salivary Glands	* Skin	* Spleen
* Stomach, Glandular	* Thymus	* Thyroid Gland	Tongue
* Trachea	* Urinary Bladder		

**OBSERVATIONS**

* Liver		Infiltration Cellular	Mixed Cell, Mild
* Nose	Respirat Epith	Cytoplasmic Alteration	Mild
		Inflammation	Suppurative, Mild
* Stomach, Forestomach	Epithelium	Hyperplasia	Squamous, Mild
[ Hyperplasia TGLS = 3-4-1 ]			
* Uterus	Endometrium	Hydrometra	Mild
[ Hydrometra TGLS = 1-7 ]		Hyperplasia	Cystic, Moderate
[ Hyperplasia TGLS = 2-7 ]			

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE



**Experiment Number:** 93023-07  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** 2,4-Hexadienal  
**CAS Number:** 142-83-6

**Date Report Requested:** 10/20/2014  
**Time Report Requested:** 13:41:51  
**First Dose M/F:** NA / NA  
**Lab:** SRI

**ANIMAL ID:** 364

**TRT#:** 8

**SEX:** Female

**DAY ON TEST:** 735

**DOSE:** 120 MG/KG/DY

**DISP:** Terminal Sacrifice

**HISTO:** 99-87193

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* 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	* Lung
* Lymph Node, Mesenteric	* Pancreas	* Parathyroid Gland	* Salivary Glands
* Skin	* Stomach, Glandular	* Thyroid Gland	* Trachea
* Urinary Bladder	* Uterus		

**MISSING**

\* Lymph Node, Mandibular

**OBSERVATIONS**

* Adren Medulla			
Note: Medulla of one adrenal gland is missing.			
* Brain		Compression	Focal, Marked
[ Compression TGLS = 2-1 ]			
* Kidney		Nephropathy	Minimal
* Liver	Hepatocyte, Midzonal	Vacuolization Cytoplasmic	Moderate
* Mammary Gland		Ectasia	Moderate
* Nose	Olfactory Epi	Cytoplasmic Alteration	Minimal
	Respirat Epith	Cytoplasmic Alteration	Mild
* Ovary		Cyst	Moderate
[ Cyst TGLS = 1-7 ]			
* Pituitary Gland	Pars Intermed	Adenoma	
[ Adenoma TGLS = 3-1 ]			
* Spleen		Hematopoietic Cell Proliferation	Moderate
* Stomach, Forestomach		Diverticulum	Minimal
	Epithelium	Hyperplasia	Squamous, Minimal
* Thymus		Cyst	Mild

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 93023-07  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** 2,4-Hexadienal  
**CAS Number:** 142-83-6

**Date Report Requested:** 10/20/2014  
**Time Report Requested:** 13:41:51  
**First Dose M/F:** NA / NA  
**Lab:** SRI

**ANIMAL ID:** 365

**TRT#:** 8

**SEX:** Female

**DAY ON TEST:** 543

**DOSE:** 120 MG/KG/DY

**DISP:** Natural Death

**HISTO:** 99-85916

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

* Adrenal Medulla	* Bone	* Clitoral Gland	* Esophagus
* Mammary Gland	* Parathyroid Gland	* Pituitary Gland	* Skin
* Thyroid Gland	* Trachea		

**AUTO PRECLUDES DIAG.**

* Bone Marrow	* Gallbladder	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Pancreas	* Stomach, Forestomach	* Stomach, Glandular

**OBSERVATIONS**

* Adrenal Cortex		Lymphoma Malignant	
* Brain		Hemorrhage	Focal, Moderate
		Lymphoma Malignant	
[ Hemorrhage TGLS = 4-1 ]			
[ Lymphoma Malignant TGLS = 4-1 ]			
* Heart		Lymphoma Malignant	
* Kidney		Lymphoma Malignant	
* Liver		Lymphoma Malignant	
* Lung		Lymphoma Malignant	
Lymph Node	Inguinal	Lymphoma Malignant	
* Lymph Node, Mandibular		Lymphoma Malignant	
[ Lymphoma Malignant TGLS = 1-8 ]			
* Lymph Node, Mesenteric		Lymphoma Malignant	
Mesentery		Lymphoma Malignant	
* Nose	Olfactory Epi	Cytoplasmic Alteration	Mild
	Respirat Epith	Cytoplasmic Alteration	Moderate
		Inflammation	Suppurative, Mild
		Lymphoma Malignant	
* Ovary		Lymphoma Malignant	
* Salivary Glands		Lymphoma Malignant	
* Spleen		Lymphoma Malignant	
[ Lymphoma Malignant TGLS = 3-6 ]			

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 93023-07  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** 2,4-Hexadienal  
**CAS Number:** 142-83-6

**Date Report Requested:** 10/20/2014  
**Time Report Requested:** 13:41:51  
**First Dose M/F:** NA / NA  
**Lab:** SRI

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<b>ANIMAL ID:</b> 365	<b>TRT#:</b> 8	<b>SEX:</b> Female	<b>DAY ON TEST:</b> 543
	<b>DOSE:</b> 120 MG/KG/DY	<b>DISP:</b> Natural Death	<b>HISTO:</b> 99-85916

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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* Thymus	Lymphoma Malignant	
* Urinary Bladder	Lymphoma Malignant	
* Uterus	Hydrometra	Mild
	Lymphoma Malignant	

[ Hydrometra TGLS = 2-7 ]

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PRIMARY CAUSE OF DEATH	- Brain	Lymphoma Malignant
CONTRIBUTORY CAUSE OF DEATH	- Brain	Hemorrhage

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 93023-07  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** 2,4-Hexadienal  
**CAS Number:** 142-83-6

**Date Report Requested:** 10/20/2014  
**Time Report Requested:** 13:41:51  
**First Dose M/F:** NA / NA  
**Lab:** SRI

**ANIMAL ID:** 366

**TRT#:** 8

**SEX:** Female

**DAY ON TEST:** 594

**DOSE:** 120 MG/KG/DY

**DISP:** Natural Death

**HISTO:** 99-86170

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

* Adrenal Medulla	* Bone	* Brain	* Clitoral Gland
* Esophagus	* Heart	* Intestine Large, Colon	* Intestine Large, Rectum
* Islets, Pancreatic	* Mammary Gland	* Ovary	* Parathyroid Gland
* Pituitary Gland	* Salivary Glands	* Skin	* Stomach, Forestomach
* Stomach, Glandular	* Thymus	* Thyroid Gland	* Trachea
* Urinary Bladder			

**AUTO PRECLUDES DIAG.**

* Gallbladder	* Intestine Large, Cecum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum			

**OBSERVATIONS**

* Adrenal Cortex		Infiltration Cellular	Mixed Cell, Mild
* Bone Marrow		Histiocytic Sarcoma	
* Kidney	Renal Tubule	Accumulation, Hyaline Droplet	Moderate
		Histiocytic Sarcoma	
* Liver	Hepatocyte	Histiocytic Sarcoma	Focal, Moderate
		Necrosis	
			[ Histiocytic Sarcoma TGLS = 4-6 ]
* Lung		Histiocytic Sarcoma	
Lymph Node	Mediastinal	Histiocytic Sarcoma	
* Lymph Node, Mandibular		Histiocytic Sarcoma	
* Lymph Node, Mesenteric		Histiocytic Sarcoma	
Mesentery	Fat	Histiocytic Sarcoma	
		Necrosis	Moderate
			[ Necrosis TGLS = 2-21 ]
* Nose	Respirat Epith	Cytoplasmic Alteration	Mild
	Glands, Mucosa	Dilatation	Focal, Minimal
		Hemorrhage	Mild
	Nasolacrim Dct	Inflammation	Minimal
		Inflammation	Suppurative, Moderate
	Respirat Epith	Necrosis	Moderate

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 93023-07  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** 2,4-Hexadienal  
**CAS Number:** 142-83-6

**Date Report Requested:** 10/20/2014  
**Time Report Requested:** 13:41:51  
**First Dose M/F:** NA / NA  
**Lab:** SRI

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**ANIMAL ID:** 366

**TRT#:** 8

**SEX:** Female

**DAY ON TEST:** 594

**DOSE:** 120 MG/KG/DY

**DISP:** Natural Death

**HISTO:** 99-86170

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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Note: Nose lesions refer to nasal exudate in nasal cavity, which consists of acellular proteinaceous matter, hemoglobin crystals, and abundant neutrophils.

\* Pancreas

Histiocytic Sarcoma

\* Spleen

Histiocytic Sarcoma

[ Histiocytic Sarcoma TGLS = 1-6 ]

\* Uterus

Hydrometra

Moderate

[ Hydrometra TGLS = 3-7 ]

---

PRIMARY CAUSE OF DEATH

- Liver Histiocytic Sarcoma

---

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 93023-07  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** 2,4-Hexadienal  
**CAS Number:** 142-83-6

**Date Report Requested:** 10/20/2014  
**Time Report Requested:** 13:41:51  
**First Dose M/F:** NA / NA  
**Lab:** SRI

**ANIMAL ID:** 367

**TRT#:** 8

**SEX:** Female

**DAY ON TEST:** 734

**DOSE:** 120 MG/KG/DY

**DISP:** Terminal Sacrifice

**HISTO:** 99-87194

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

* Adrenal Cortex	* 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
* Lung	* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Mammary Gland
* Ovary	* Pancreas	* Parathyroid Gland	* Pituitary Gland
* Salivary Glands	* Skin	* Stomach, Glandular	* Thymus
* Thyroid Gland	* Trachea	* Urinary Bladder	

**OBSERVATIONS**

* Kidney		Hydronephrosis	Moderate
	Papilla	Infarct	Marked
		Necrosis	Moderate
Note: Atrophy of left kidney is focal; atrophy of right kidney is diffuse. [ Hydronephrosis TGLS = 2-21 ] [ Infarct TGLS = 1-21,3-5 ]			
* Liver	Hepatocyte	Eosinophilic Focus	Mild
		Infiltration Cellular	Mixed Cell, Minimal
	Hepatocyte, Midzonal	Vacuolization Cytoplasmic	Mild
* Nose	Olfactory Epi	Cytoplasmic Alteration	Minimal
	Respirat Epith	Cytoplasmic Alteration	Mild
* Spleen		Hematopoietic Cell Proliferation	Mild
* Stomach, Forestomach	Epithelium	Hyperplasia	Squamous, Moderate
* Uterus	Endometrium	Hyperplasia	Cystic, Mild

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 93023-07  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** 2,4-Hexadienal  
**CAS Number:** 142-83-6

**Date Report Requested:** 10/20/2014  
**Time Report Requested:** 13:41:51  
**First Dose M/F:** NA / NA  
**Lab:** SRI

**ANIMAL ID:** 368

**TRT#:** 8

**SEX:** Female

**DAY ON TEST:** 732

**DOSE:** 120 MG/KG/DY

**DISP:** Natural Death

**HISTO:** 99-87195

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Brain	* Clitoral Gland	* Esophagus	* Heart
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Ileum	* Islets, Pancreatic
* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Mammary Gland	* Pancreas
* Parathyroid Gland	* Pituitary Gland	* Salivary Glands	* Skin
* Trachea	* Urinary Bladder		

**AUTO PRECLUDES DIAG.**

* Gallbladder	* Intestine Large, Cecum	* Intestine Small, Duodenum	* Intestine Small, Jejunum
* Stomach, Glandular			

**INSUFFICIENT TISSUE**

\* Thymus

**OBSERVATIONS**

* Kidney		Nephropathy	Moderate
	Renal Tubule	Pigmentation	Mild
* Liver	Centrilobular, Hepatocyte	Necrosis	Minimal
	Centrilobular, Hepatocyte	Vacuolization Cytoplasmic	Moderate
	Note: Centrilobular vacuolization of hepatocytes is of form typical of fatty change.		
* Lung		Congestion	Minimal
	[ Congestion TGLS = 4-2 ]		
* Nose	Olfactory Epi	Cytoplasmic Alteration	Minimal
	Respirat Epith	Cytoplasmic Alteration	Mild
* Ovary		Cyst	Marked
	Note: Ovarian cyst is filled with blood.		
	[ Cyst TGLS = 1-21 ]		
* Spleen		Hematopoietic Cell Proliferation	Moderate
	[ Hematopoietic Cell Proliferation TGLS = 3-6 ]		
* Stomach, Forestomach	Epithelium	Hyperplasia	Squamous, Minimal
	[ Hyperplasia TGLS = 5-4-1 ]		
* Thyroid Gland		Degeneration	Cystic, Focal, Minimal
* Uterus		Hydrometra	Moderate

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 93023-07  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** 2,4-Hexadienal  
**CAS Number:** 142-83-6

**Date Report Requested:** 10/20/2014  
**Time Report Requested:** 13:41:51  
**First Dose M/F:** NA / NA  
**Lab:** SRI

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**ANIMAL ID:** 368

**TRT#:** 8

**SEX:** Female

**DAY ON TEST:** 732

**DOSE:** 120 MG/KG/DY

**DISP:** Natural Death

**HISTO:** 99-87195

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**ORGAN AND ACCOUNTABLE SITE STATUS**

---

[ Hydrometra TGLS = 2-7 ]

---

PRIMARY CAUSE OF DEATH

- Ovary Cyst

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\* PROTOCOL REQUIRED TISSUE



**Experiment Number:** 93023-07  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** 2,4-Hexadienal  
**CAS Number:** 142-83-6

**Date Report Requested:** 10/20/2014  
**Time Report Requested:** 13:41:51  
**First Dose M/F:** NA / NA  
**Lab:** SRI

**ANIMAL ID:** 369

**TRT#:** 8

**SEX:** Female

**DAY ON TEST:** 734

**DOSE:** 120 MG/KG/DY

**DISP:** Terminal Sacrifice

**HISTO:** 99-87196

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

* Adrenal Cortex	* Adrenal Medulla	* 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
* Pancreas	* Parathyroid Gland	* Salivary Glands	* Skin
* Spleen	* Stomach, Glandular	* Thymus	* Thyroid Gland
* Trachea	* Urinary Bladder		

**INSUFFICIENT TISSUE**

\* Ovary

**OBSERVATIONS**

* Liver		Hepatocellular Adenoma Infiltration Cellular	Mixed Cell, Mild
[ Hepatocellular Adenoma TGLS = 1-21 ]			
* Nose	Respirat Epith	Cytoplasmic Alteration Inflammation	Mild Suppurative, Mild
* Pituitary Gland	Pars Distalis	Adenoma	
* Stomach, Forestomach	Epithelium	Hyperplasia Inflammation Squamous Cell Papilloma	Squamous, Mild Focal, Minimal
[ Squamous Cell Papilloma TGLS = 3-4-1 ]			
* Uterus	Endometrium	Hyperplasia	Cystic, Moderate
[ Hyperplasia TGLS = 2-7 ]			

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 93023-07  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** 2,4-Hexadienal  
**CAS Number:** 142-83-6

**Date Report Requested:** 10/20/2014  
**Time Report Requested:** 13:41:51  
**First Dose M/F:** NA / NA  
**Lab:** SRI

**ANIMAL ID:** 370

**TRT#:** 8

**SEX:** Female

**DAY ON TEST:** 734

**DOSE:** 120 MG/KG/DY

**DISP:** Natural Death

**HISTO:** 99-87035

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Brain
* Clitoral Gland	* Heart	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Islets, Pancreatic	* Kidney	* Lymph Node, Mandibular
* Lymph Node, Mesenteric	* Mammary Gland	* Parathyroid Gland	* Pituitary Gland
* Salivary Glands	* Skin	* Thyroid Gland	* Trachea
* Urinary Bladder			

**AUTO PRECLUDES DIAG.**

* Gallbladder	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
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**INSUFFICIENT TISSUE**

\* Thymus

**OBSERVATIONS**

* Bone Marrow	Myeloid Cell	Hyperplasia	Marked
* Esophagus		Squamous Cell Carcinoma	Metastatic (Stomach, Forestomach)
Note: Slides 4, 4.1, and 4-1 show invasion of esophageal wall by squamous cell carcinoma.			
* Liver		Hepatocellular Adenoma	
	Bile Duct	Hyperplasia	Mild
		Infiltration Cellular	Mixed Cell, Mild
	[ Hepatocellular Adenoma TGLS = 12-6 ]		
* Lung		Alveolar/Bronchiolar Carcinoma	Multiple
		Congestion	Moderate
		Inflammation	Suppurative, Mild
	[ Alveolar/Bronchiolar Carcinoma TGLS = 10-2 ]		
Lymph Node	Inguinal	Infiltration Cellular	Mixed Cell, Moderate
	Renal	Infiltration Cellular	Mixed Cell, Moderate
	Mediastinal	Squamous Cell Carcinoma	Metastatic (Stomach, Forestomach)
	[ Infiltration Cellular TGLS = 14-24 ]		
	[ Infiltration Cellular TGLS = 13-23 ]		
	[ Squamous Cell Carcinoma TGLS = 8-2 ]		
Mesentery	Fat	Necrosis	Moderate
		Squamous Cell Carcinoma	Metastatic (Stomach, Forestomach)

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 93023-07  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** 2,4-Hexadienal  
**CAS Number:** 142-83-6

**Date Report Requested:** 10/20/2014  
**Time Report Requested:** 13:41:51  
**First Dose M/F:** NA / NA  
**Lab:** SRI

**ANIMAL ID:** 370

**TRT#:** 8

**SEX:** Female

**DAY ON TEST:** 734

**DOSE:** 120 MG/KG/DY

**DISP:** Natural Death

**HISTO:** 99-87035

**ORGAN AND ACCOUNTABLE SITE STATUS**

<p>[ Necrosis TGLS = 6-21 ]  * Nose</p>	<p>Respirat Epith</p>	<p>Cytoplasmic Alteration  Inflammation</p>	<p>Mild  Suppurative, Moderate</p>
<p>* Ovary  [ Inflammation TGLS = 4-7 ]</p>	<p></p>	<p>Inflammation</p>	<p>Suppurative, Marked</p>
<p>* Pancreas  [ Atrophy TGLS = 3-7 ]</p>	<p>Acinus</p>	<p>Atrophy  Squamous Cell Carcinoma</p>	<p>Focal, Moderate  Metastatic (Stomach, Forestomach)</p>
<p>Skeletal Muscle  Note: TGL 7-22 involves diaphragm.  [ Squamous Cell Carcinoma TGLS = 7-22 ]</p>	<p></p>	<p>Squamous Cell Carcinoma</p>	<p>Metastatic (Stomach, Forestomach)</p>
<p>* Spleen  [ Angiectasis TGLS = 15-6 ]  [ Hematopoietic Cell Proliferation TGLS = 2-6 ]</p>	<p></p>	<p>Angiectasis  Hematopoietic Cell Proliferation  Thrombosis</p>	<p>Mild  Marked  Mild</p>
<p>* Stomach, Forestomach  [ Squamous Cell Carcinoma TGLS = 9-4, 9-4-1 ]</p>	<p></p>	<p>Squamous Cell Carcinoma</p>	<p></p>
<p>* Stomach, Glandular  * Uterus  [ Hemangiosarcoma TGLS = 5-7 ]</p>	<p></p>	<p>Squamous Cell Carcinoma  Hemangiosarcoma</p>	<p>Metastatic (Stomach, Forestomach)</p>

**PRIMARY CAUSE OF DEATH** - Stomach, Forestomach Squamous Cell Carcinoma

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 93023-07  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** 2,4-Hexadienal  
**CAS Number:** 142-83-6

**Date Report Requested:** 10/20/2014  
**Time Report Requested:** 13:41:51  
**First Dose M/F:** NA / NA  
**Lab:** SRI

**ANIMAL ID:** 371

**TRT#:** 8

**SEX:** Female

**DAY ON TEST:** 729

**DOSE:** 120 MG/KG/DY

**DISP:** Terminal Sacrifice

**HISTO:** 99-87197

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Brain
* Clitoral Gland	* Esophagus	* 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	Oral Mucosa	* Pancreas
* Parathyroid Gland	* Pituitary Gland	* Salivary Glands	* Skin
* Stomach, Glandular	* Thymus	* Trachea	* Urinary Bladder

**MISSING**

\* Gallbladder

**OBSERVATIONS**

* Bone Marrow	Myeloid Cell	Hyperplasia	Mild
* Kidney	Renal Tubule	Pigmentation	Mild
* Liver	Hepatocyte	Depletion Glycogen	Diffuse, Marked
	Hepatocyte	Vacuolization Cytoplasmic	Diffuse, Mild
Lymph Node	Mediastinal	Hyperplasia	Plasma Cell, Moderate
			[ Hyperplasia TGLS = 6-2 ]
* Nose	Respirat Epith	Cytoplasmic Alteration	Mild
	Glands, Mucosa	Dilatation	Focal, Minimal
* Ovary		Cyst	Moderate
		Hemangioma	
			[ Cyst TGLS = 1-7 ]
			[ Hemangioma TGLS = 1-7 ]
* Spleen		Hematopoietic Cell Proliferation	Moderate
			[ Hematopoietic Cell Proliferation TGLS = 4-6 ]
* Stomach, Forestomach	Epithelium	Hyperplasia	Squamous, Mild
		Squamous Cell Carcinoma	
			[ Squamous Cell Carcinoma TGLS = 5-4 ]
* Thyroid Gland		Degeneration	Cystic, Focal, Minimal
Tissue NOS	Abdominal	Sarcoma	
			[ Sarcoma TGLS = 3-21 ]

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 93023-07  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** 2,4-Hexadienal  
**CAS Number:** 142-83-6

**Date Report Requested:** 10/20/2014  
**Time Report Requested:** 13:41:51  
**First Dose M/F:** NA / NA  
**Lab:** SRI

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<b>ANIMAL ID:</b> 371	<b>TRT#:</b> 8	<b>SEX:</b> Female	<b>DAY ON TEST:</b> 729
	<b>DOSE:</b> 120 MG/KG/DY	<b>DISP:</b> Terminal Sacrifice	<b>HISTO:</b> 99-87197

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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* Uterus		Hydrometra	Mild
	Endometrium	Hyperplasia	Cystic, Mild
[ Hydrometra TGLS = 2-7 ]			

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PRIMARY CAUSE OF DEATH

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 93023-07  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** 2,4-Hexadienal  
**CAS Number:** 142-83-6

**Date Report Requested:** 10/20/2014  
**Time Report Requested:** 13:41:51  
**First Dose M/F:** NA / NA  
**Lab:** SRI

**ANIMAL ID:** 372

**TRT#:** 8

**SEX:** Female

**DAY ON TEST:** 729

**DOSE:** 120 MG/KG/DY

**DISP:** Terminal Sacrifice

**HISTO:** 99-87198

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

* Adrenal Cortex	* 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
* Lung	* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Mammary Gland
* Ovary	* Pancreas	* Parathyroid Gland	* Pituitary Gland
* Salivary Glands	* Skin	* Stomach, Glandular	* Thymus
* Thyroid Gland	* Trachea	* Urinary Bladder	

**OBSERVATIONS**

* Kidney		Nephropathy	Minimal
* Liver		Hepatocellular Adenoma	
		Infiltration Cellular	Mixed Cell, Minimal
	[ Hepatocellular Adenoma TGLS = 4-22 ]		
Mesentery	Fat	Necrosis	Moderate
	[ Necrosis TGLS = 1-21 ]		
* Nose	Olfactory Epi	Cytoplasmic Alteration	Mild
	Respirat Epith	Cytoplasmic Alteration	Moderate
	Glands, Mucosa	Dilatation	Focal, Mild
* Spleen		Hematopoietic Cell Proliferation	Mild
		Hyperplasia	Lymphoid, Mild
* Stomach, Forestomach	Epithelium	Hyperplasia	Squamous, Mild
		Squamous Cell Papilloma	
	[ Hyperplasia TGLS = 5-4 ]		
	[ Squamous Cell Papilloma TGLS = 5-4 ]		
* Uterus		Hemangiosarcoma	
		Hydrometra	Moderate
	Endometrium	Hyperplasia	Cystic, Moderate
	[ Hemangiosarcoma TGLS = 3-7 ]		
	[ Hydrometra TGLS = 2-7 ]		

**PRIMARY CAUSE OF DEATH** -

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 93023-07  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** 2,4-Hexadienal  
**CAS Number:** 142-83-6

**Date Report Requested:** 10/20/2014  
**Time Report Requested:** 13:41:51  
**First Dose M/F:** NA / NA  
**Lab:** SRI

**ANIMAL ID:** 373

**TRT#:** 8

**SEX:** Female

**DAY ON TEST:** 729

**DOSE:** 120 MG/KG/DY

**DISP:** Terminal Sacrifice

**HISTO:** 99-87199

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

* Adrenal Medulla	* 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	* Ovary
* Pancreas	* Parathyroid Gland	* Pituitary Gland	* Salivary Glands
* Skin	* Spleen	* Stomach, Forestomach	* Stomach, Glandular
* Thyroid Gland	* Trachea	* Urinary Bladder	

**OBSERVATIONS**

* Adrenal Cortex		Accessory Adrenal Cortical Nodule	Minimal
* Liver		Infiltration Cellular	Mixed Cell, Minimal
Mesentery	Fat	Necrosis	Moderate
[ Necrosis TGLS = 2-21, 3-22 ]			
* Nose	Olfactory Epi	Cytoplasmic Alteration	Mild
	Respirat Epith	Cytoplasmic Alteration	Mild
* Thymus		Hyperplasia	Lymphoid, Mild
[ Hyperplasia TGLS = 4-2 ]			
* Uterus		Hydrometra	Moderate
	Endometrium	Hyperplasia	Cystic, Mild
[ Hydrometra TGLS = 1-7 ]			

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 93023-07  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** 2,4-Hexadienal  
**CAS Number:** 142-83-6

**Date Report Requested:** 10/20/2014  
**Time Report Requested:** 13:41:51  
**First Dose M/F:** NA / NA  
**Lab:** SRI

**ANIMAL ID:** 374

**TRT#:** 8

**SEX:** Female

**DAY ON TEST:** 729

**DOSE:** 120 MG/KG/DY

**DISP:** Terminal Sacrifice

**HISTO:** 99-87200

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

* Adrenal Cortex	* Adrenal Medulla	* 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
* Ovary	* Pancreas	* Parathyroid Gland	* Pituitary Gland
* Salivary Glands	* Skin	* Spleen	* Stomach, Forestomach
* Stomach, Glandular	* Thymus	* Thyroid Gland	* Trachea
* Urinary Bladder			

**OBSERVATIONS**

* Liver		Infiltration Cellular	Mixed Cell, Minimal
* Nose	Olfactory Epi Respirat Epith	Cytoplasmic Alteration Cytoplasmic Alteration	Mild Mild
* Ovary			
Note: One ovary is missing.			
* Uterus	Endometrium Endometrium	Hydrometra Hyperplasia Polyp Stromal	Moderate Cystic, Moderate
[ Hydrometra TGLS = 1-7 ]			
[ Polyp Stromal TGLS = 2-7 ]			

**PRIMARY CAUSE OF DEATH**

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\* PROTOCOL REQUIRED TISSUE



**Experiment Number:** 93023-07  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** 2,4-Hexadienal  
**CAS Number:** 142-83-6

**Date Report Requested:** 10/20/2014  
**Time Report Requested:** 13:41:51  
**First Dose M/F:** NA / NA  
**Lab:** SRI

**ANIMAL ID:** 375

**TRT#:** 8

**SEX:** Female

**DAY ON TEST:** 239

**DOSE:** 120 MG/KG/DY

**DISP:** Dosing Accident

**HISTO:** 98-82772

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Brain	* Clitoral Gland	* Gallbladder	* 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	* Lymph Node, Mesenteric
* Mammary Gland	* Pancreas	* Parathyroid Gland	* Pituitary Gland
* Salivary Glands	* Skin	* Spleen	* Stomach, Glandular
* Thymus	* Thyroid Gland	* Trachea	* Urinary Bladder

**OBSERVATIONS**

* Esophagus	Periesoph Tiss	Foreign Body Perforation	Moderate Moderate
[ Foreign Body TGLS = 4-21 ] [ Perforation TGLS = 4-21 ]			
* Nose	Olfactory Epi Respirat Epith	Cytoplasmic Alteration Cytoplasmic Alteration	Minimal Mild
* Ovary	Periovarn Tiss	Mineralization	Mild
* Stomach, Forestomach	Epithelium	Hyperplasia	Squamous, Mild
* Uterus	Endometrium	Hyperplasia	Cystic, Minimal

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 93023-07  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** 2,4-Hexadienal  
**CAS Number:** 142-83-6

**Date Report Requested:** 10/20/2014  
**Time Report Requested:** 13:41:51  
**First Dose M/F:** NA / NA  
**Lab:** SRI

**ANIMAL ID:** 376

**TRT#:** 8

**SEX:** Female

**DAY ON TEST:** 735

**DOSE:** 120 MG/KG/DY

**DISP:** Terminal Sacrifice

**HISTO:** 99-87201

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

* Adrenal Cortex	* 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
* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Mammary Gland	* Ovary
* Pancreas	* Parathyroid Gland	* Salivary Glands	* Skin
* Stomach, Forestomach	* Stomach, Glandular	* Thymus	* Thyroid Gland
* Trachea	* Urinary Bladder		

**OBSERVATIONS**

\* Adren Cortex

Note: One adrenal gland is missing. An accessory adrenal cortical nodule found in perirenal fat, on slide 5.

\* Kidney

Nephropathy

Moderate

\* Liver

Hepatocellular Carcinoma

Infiltration Cellular

Mixed Cell, Minimal

[ Hepatocellular Carcinoma TGLS = 3-21 ]

\* Lung

Hepatocellular Carcinoma

Metastatic (Liver)

\* Nose

Respirat Epith

Cytoplasmic Alteration

Mild

\* Pituitary Gland

Pars Distalis

Degeneration

Cystic, Focal, Mild

\* Spleen

Hematopoietic Cell Proliferation

Moderate

\* Uterus

Hydrometra

Moderate

Endometrium

Hyperplasia

Cystic, Mild

[ Hydrometra TGLS = 1-7 ]

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 93023-07  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** 2,4-Hexadienal  
**CAS Number:** 142-83-6

**Date Report Requested:** 10/20/2014  
**Time Report Requested:** 13:41:51  
**First Dose M/F:** NA / NA  
**Lab:** SRI

**ANIMAL ID:** 377

**TRT#:** 8  
**DOSE:** 120 MG/KG/DY

**SEX:** Female  
**DISP:** Natural Death

**DAY ON TEST:** 725  
**HISTO:** 99-87202

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Brain
* Clitoral Gland	* Esophagus	* Intestine Large, Colon	* Intestine Large, Rectum
* Islets, Pancreatic	* Kidney	* Lymph Node, Mandibular	* Mammary Gland
* Ovary	* Parathyroid Gland	* Pituitary Gland	* Salivary Glands
* Skin	* Thyroid Gland	* Trachea	

**AUTO PRECLUDES DIAG.**

* Bone Marrow	* Gallbladder	* Intestine Large, Cecum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Pancreas	* Stomach, Forestomach
* Stomach, Glandular	* Urinary Bladder		

**INSUFFICIENT TISSUE**

\* Lymph Node, Mesenteric

**OBSERVATIONS**

* Adren Cortex			
Note: One adrenal gland is missing.			
* Heart		Lymphoma Malignant	
* Liver		Lymphoma Malignant	
	Centrilobular, Hepatocyte	Necrosis	Moderate
[ Lymphoma Malignant TGLS = 4-6 ]			
* Lung		Lymphoma Malignant	
[ Lymphoma Malignant TGLS = 7-2 ]			
Lymph Node	Lumbar	Lymphoma Malignant	
	Mediastinal	Lymphoma Malignant	
[ Lymphoma Malignant TGLS = 6-22 ]			
Mesentery	Fat	Necrosis	Moderate
[ Necrosis TGLS = 3-21 ]			
* Nose	Olfactory Epi	Cytoplasmic Alteration	Mild
	Respirat Epith	Cytoplasmic Alteration	Mild
* Spleen		Lymphoma Malignant	
[ Lymphoma Malignant TGLS = 1-6-1 ]			
* Thymus		Lymphoma Malignant	

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 93023-07  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** 2,4-Hexadienal  
**CAS Number:** 142-83-6

**Date Report Requested:** 10/20/2014  
**Time Report Requested:** 13:41:51  
**First Dose M/F:** NA / NA  
**Lab:** SRI

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<b>ANIMAL ID:</b> 377	<b>TRT#:</b> 8	<b>SEX:</b> Female	<b>DAY ON TEST:</b> 725
	<b>DOSE:</b> 120 MG/KG/DY	<b>DISP:</b> Natural Death	<b>HISTO:</b> 99-87202

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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* Uterus		Hydrometra	Minimal
PRIMARY CAUSE OF DEATH	- Liver	Lymphoma Malignant	

---

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 93023-07  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** 2,4-Hexadienal  
**CAS Number:** 142-83-6

**Date Report Requested:** 10/20/2014  
**Time Report Requested:** 13:41:51  
**First Dose M/F:** NA / NA  
**Lab:** SRI

**ANIMAL ID:** 378

**TRT#:** 8

**SEX:** Female

**DAY ON TEST:** 637

**DOSE:** 120 MG/KG/DY

**DISP:** Moribund Sacrifice

**HISTO:** 99-86252

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

* Adrenal Cortex	* 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
* Lung	* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Mammary Gland
* Pancreas	* Parathyroid Gland	Peripheral Nerve	* Pituitary Gland
* Salivary Glands	* Skin	Spinal Cord	* Spleen
* Stomach, Glandular	* Thymus	* Thyroid Gland	* Trachea
* Urinary Bladder			

**OBSERVATIONS**

* Kidney		Cyst	Moderate
* Liver	Hepatocyte	Vacuolization Cytoplasmic	Diffuse, Moderate
Mesentery	Fat	Necrosis	Mild
[ Necrosis TGLS = 3-21 ]			
* Nose	Respirat Epith	Cytoplasmic Alteration	Moderate
* Ovary		Cyst	Mild
* Stomach, Forestomach	Epithelium	Hyperplasia	Squamous, Moderate
* Uterus	Endometrium	Hydrometra	Moderate
[ Hydrometra TGLS = 2-7 ]		Hyperplasia	Cystic, Moderate

**PRIMARY CAUSE OF DEATH**

- UNCERTAIN

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 93023-07  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** 2,4-Hexadienal  
**CAS Number:** 142-83-6

**Date Report Requested:** 10/20/2014  
**Time Report Requested:** 13:41:51  
**First Dose M/F:** NA / NA  
**Lab:** SRI

**ANIMAL ID:** 379

**TRT#:** 8

**SEX:** Female

**DAY ON TEST:** 735

**DOSE:** 120 MG/KG/DY

**DISP:** Terminal Sacrifice

**HISTO:** 99-87203

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Brain	* Clitoral Gland	* Esophagus	* 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	* Ovary
* Pancreas	* Parathyroid Gland	* Pituitary Gland	* Salivary Glands
* Skin	* Stomach, Glandular	* Thymus	* Trachea
* Urinary Bladder			

**OBSERVATIONS**

* Gallbladder		Cyst	Minimal
* Kidney		Nephropathy	Mild
* Liver	Hepatocyte, Midzonal	Vacuolization Cytoplasmic	Minimal
Mesentery		Angiectasis	Focal, Mild
[ Angiectasis TGLS = 1-21 ]			
* Nose	Respirat Epith	Cytoplasmic Alteration	Minimal
* Spleen		Hematopoietic Cell Proliferation	Mild
* Stomach, Forestomach	Epithelium	Hyperplasia	Squamous, Minimal
		Squamous Cell Papilloma	Multiple
[ Hyperplasia TGLS = 4-22 ]			
[ Squamous Cell Papilloma TGLS = 4-22 ]			
* Thyroid Gland		Degeneration	Cystic, Focal, Mild
* Uterus	Endometrium	Hydrometra	Mild
		Hyperplasia	Cystic, Moderate
		Leiomyoma	
[ Hydrometra TGLS = 3-7 ]			
[ Leiomyoma TGLS = 2-7 ]			

**PRIMARY CAUSE OF DEATH** -

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 93023-07  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** 2,4-Hexadienal  
**CAS Number:** 142-83-6

**Date Report Requested:** 10/20/2014  
**Time Report Requested:** 13:41:51  
**First Dose M/F:** NA / NA  
**Lab:** SRI

**ANIMAL ID:** 380

**TRT#:** 8

**SEX:** Female

**DAY ON TEST:** 735

**DOSE:** 120 MG/KG/DY

**DISP:** Terminal Sacrifice

**HISTO:** 99-87204

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

* Adrenal Cortex	* 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
* Liver	* Lung	* Lymph Node, Mandibular	* Lymph Node, Mesenteric
* Mammary Gland	* Ovary	* Pancreas	* Parathyroid Gland
* Pituitary Gland	* Salivary Glands	* Skin	* Spleen
* Stomach, Glandular	* Thymus	* Thyroid Gland	* Trachea
* Urinary Bladder			

**OBSERVATIONS**

* Kidney		Nephropathy	Minimal
Mesentery	Fat	Necrosis	Moderate
[ Necrosis TGLS = 1-21, 2-22 ]			
* Nose	Respirat Epith	Cytoplasmic Alteration	Mild
		Inflammation	Suppurative, Minimal
* Stomach, Forestomach	Epithelium	Hyperplasia	Squamous, Mild
[ Hyperplasia TGLS = 3-23 ]			
* Uterus		Hydrometra	Moderate
[ Hydrometra TGLS = 4-7 ]			

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 93023-07

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: 2,4-Hexadienal

CAS Number: 142-83-6

Date Report Requested: 10/20/2014

Time Report Requested: 13:41:51

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 381

TRT#: 8

SEX: Female

DAY ON TEST: 735

DOSE: 120 MG/KG/DY

DISP: Terminal Sacrifice

HISTO: 99-87205

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* 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	* Ovary	* Pancreas	* Parathyroid Gland
* Pituitary Gland	* Salivary Glands	* Skin	* Stomach, Forestomach
* Stomach, Glandular	* Thymus	* Thyroid Gland	* Trachea
* Urinary Bladder			

OBSERVATIONS

* Kidney		Atrophy	Marked
		Infarct	Marked
		Nephropathy	Marked
Note: Atrophy of right kidney is focal; atrophy of left kidney is diffuse.			
[ Atrophy TGLS = 4-23 ]			
[ Infarct TGLS = 3-22,4-23 ]			
[ Nephropathy TGLS = 3-22 ]			
* Liver		Hemorrhage	Focal, Mild
		Infiltration Cellular	Mixed Cell, Minimal
[ Hemorrhage TGLS = 5-24 ]			
Mesentery	Fat	Necrosis	Moderate
[ Necrosis TGLS = 1-21 ]			
* Nose	Olfactory Epi	Cytoplasmic Alteration	Mild
	Respirat Epith	Cytoplasmic Alteration	Moderate
* Spleen		Hematopoietic Cell Proliferation	Mild
* Uterus	Endometrium	Hyperplasia	Cystic, Moderate
[ Hyperplasia TGLS = 2-7 ]			

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE



**Experiment Number:** 93023-07  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** 2,4-Hexadienal  
**CAS Number:** 142-83-6

**Date Report Requested:** 10/20/2014  
**Time Report Requested:** 13:41:51  
**First Dose M/F:** NA / NA  
**Lab:** SRI

**ANIMAL ID:** 382

**TRT#:** 8

**SEX:** Female

**DAY ON TEST:** 735

**DOSE:** 120 MG/KG/DY

**DISP:** Terminal Sacrifice

**HISTO:** 99-87206

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

* Adrenal Cortex	* 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
* Lung	* Lymph Node, Mandibular	* Mammary Gland	* Pancreas
* Parathyroid Gland	* Pituitary Gland	* Salivary Glands	* Skin
* Stomach, Glandular	* Thymus	* Thyroid Gland	* Trachea
* Urinary Bladder			

**OBSERVATIONS**

* Kidney		Lymphoma Malignant Nephropathy	Mild
[ Lymphoma Malignant TGLS = 3-21 ]			
* Liver	Hepatocyte	Basophilic Focus Lymphoma Malignant	Mild
[ Lymphoma Malignant TGLS = 4-22 ]			
* Lymph Node, Mesenteric		Lymphoma Malignant	
* Nose	Respirat Epith	Cytoplasmic Alteration	Mild
* Ovary	Bilateral	Cyst	Moderate
[ Cyst TGLS = 2-7 ]			
* Spleen		Congestion Hematopoietic Cell Proliferation Hemorrhage	Mild Mild Mild
* Stomach, Forestomach		Squamous Cell Carcinoma Squamous Cell Papilloma	
[ Squamous Cell Carcinoma TGLS = 5-23 ]			
[ Squamous Cell Papilloma TGLS = 5-23 ]			
* Uterus	Endometrium	Hyperplasia	Cystic, Moderate
[ Hyperplasia TGLS = 1-7 ]			

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 93023-07  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** 2,4-Hexadienal  
**CAS Number:** 142-83-6

**Date Report Requested:** 10/20/2014  
**Time Report Requested:** 13:41:51  
**First Dose M/F:** NA / NA  
**Lab:** SRI

**ANIMAL ID:** 383

**TRT#:** 8

**SEX:** Female

**DAY ON TEST:** 735

**DOSE:** 120 MG/KG/DY

**DISP:** Terminal Sacrifice

**HISTO:** 99-87207

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

* Adrenal Cortex	* 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
* Lung	* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Mammary Gland
* Ovary	* Pancreas	* Parathyroid Gland	* Salivary Glands
* Skin	* Spleen	* Stomach, Glandular	* Thymus
* Trachea	* Urinary Bladder		

**OBSERVATIONS**

* Kidney		Nephropathy	Minimal
* Liver		Infiltration Cellular	Mixed Cell, Minimal
* Nose		Inflammation	Suppurative, Moderate
* Pituitary Gland	Pars Distalis	Cytoplasmic Alteration	Focal, Mild
Note: Pituitary gland cytoplasmic alteration is on slide 1.1.			
* Stomach, Forestomach		Squamous Cell Papilloma	
[ Squamous Cell Papilloma TGLS = 1-21 ]			
* Thyroid Gland		Degeneration	Cystic, Focal, Mild
* Uterus	Endometrium	Hyperplasia	Cystic, Mild

**PRIMARY CAUSE OF DEATH**

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 93023-07  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** 2,4-Hexadienal  
**CAS Number:** 142-83-6

**Date Report Requested:** 10/20/2014  
**Time Report Requested:** 13:41:51  
**First Dose M/F:** NA / NA  
**Lab:** SRI

**ANIMAL ID:** 384      **TRT#:** 8      **SEX:** Female      **DAY ON TEST:** 735  
**DOSE:** 120 MG/KG/DY      **DISP:** Terminal Sacrifice      **HISTO:** 99-87208

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

* Adrenal Cortex	* 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	* Lung
* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Mammary Gland	* Ovary
* Pancreas	* Parathyroid Gland	* Salivary Glands	* Skin
* Stomach, Glandular	* Trachea	* Urinary Bladder	

**OBSERVATIONS**

* Bone Marrow	Myeloid Cell	Hyperplasia	Moderate
* Kidney		Hyperplasia	Lymphoid, Mild
		Nephropathy	Mild
* Liver		Infiltration Cellular	Mixed Cell, Mild
Lymph Node	Iliac	Hyperplasia	Plasma Cell, Moderate
	Renal	Hyperplasia	Plasma Cell, Moderate
[ Hyperplasia TGLS = 5-22 ]			
[ Hyperplasia TGLS = 4-21 ]			
Mesentery	Fat	Necrosis	Moderate
[ Necrosis TGLS = 1-23 ]			
* Nose	Respirat Epith	Cytoplasmic Alteration	Mild
* Pituitary Gland		Angiectasis	Mild
[ Angiectasis TGLS = 6-1 ]			
* Spleen		Hematopoietic Cell Proliferation	Mild
		Hyperplasia	Lymphoid, Mild
[ Hematopoietic Cell Proliferation TGLS = 3-6 ]			
[ Hyperplasia TGLS = 3-6 ]			
* Stomach, Forestomach	Epithelium	Hyperplasia	Squamous, Minimal
* Thymus		Hyperplasia	Lymphoid, Mild
* Thyroid Gland		Degeneration	Cystic, Focal, Mild
* Uterus		Angiectasis	Moderate
		Hydrometra	Mild

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 93023-07  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** 2,4-Hexadienal  
**CAS Number:** 142-83-6

**Date Report Requested:** 10/20/2014  
**Time Report Requested:** 13:41:51  
**First Dose M/F:** NA / NA  
**Lab:** SRI

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**ANIMAL ID:** 384

**TRT#:** 8

**SEX:** Female

**DAY ON TEST:** 735

**DOSE:** 120 MG/KG/DY

**DISP:** Terminal Sacrifice

**HISTO:** 99-87208

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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Endometrium

Hyperplasia  
Inflammation

Cystic, Moderate  
Chronic, Moderate

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[ Hydrometra TGLS = 2-7 ]

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PRIMARY CAUSE OF DEATH

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 93023-07  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** 2,4-Hexadienal  
**CAS Number:** 142-83-6

**Date Report Requested:** 10/20/2014  
**Time Report Requested:** 13:41:51  
**First Dose M/F:** NA / NA  
**Lab:** SRI

**ANIMAL ID:** 385

**TRT#:** 8

**SEX:** Female

**DAY ON TEST:** 735

**DOSE:** 120 MG/KG/DY

**DISP:** Terminal Sacrifice

**HISTO:** 99-87209

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

* Adrenal Cortex	* Adrenal Medulla	* 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	* Lung	* Lymph Node, Mandibular
* Lymph Node, Mesenteric	* Mammary Gland	* Ovary	* Pancreas
* Parathyroid Gland	* Pituitary Gland	* Salivary Glands	* Skin
* Spleen	* Stomach, Glandular	* Thymus	* Thyroid Gland
* Trachea	* Urinary Bladder		

**OBSERVATIONS**

* Islets, Pancreatic [ Carcinoma TGLS = 4-23 ]		Carcinoma	
* Kidney		Nephropathy	Minimal
* Liver		Infiltration Cellular	Mixed Cell, Minimal
Mesentery [ Necrosis TGLS = 2-21, 3-22 ]	Fat	Necrosis	Moderate
* Nose	Olfactory Epi	Cytoplasmic Alteration	Mild
	Respirat Epith	Cytoplasmic Alteration	Mild
* Stomach, Forestomach [ Squamous Cell Papilloma TGLS = 5-24 ]		Squamous Cell Papilloma	
* Uterus		Hydrometra	Moderate
	Endometrium	Hyperplasia	Cystic, Moderate
[ Hydrometra TGLS = 1-7 ]			

**PRIMARY CAUSE OF DEATH**

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 93023-07  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** 2,4-Hexadienal  
**CAS Number:** 142-83-6

**Date Report Requested:** 10/20/2014  
**Time Report Requested:** 13:41:51  
**First Dose M/F:** NA / NA  
**Lab:** SRI

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<b>ANIMAL ID:</b> 386	<b>TRT#:</b> 8	<b>SEX:</b> Female	<b>DAY ON TEST:</b> 729
	<b>DOSE:</b> 120 MG/KG/DY	<b>DISP:</b> Terminal Sacrifice	<b>HISTO:</b> 99-87210

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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**NORMAL**

* Adrenal Cortex	* 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
* Liver	* Lung	* Lymph Node, Mandibular	* Lymph Node, Mesenteric
* Mammary Gland	* Ovary	* Pancreas	* Parathyroid Gland
* Pituitary Gland	* Salivary Glands	* Skin	* Spleen
* Stomach, Glandular	* Thymus	* Trachea	* Urinary Bladder

---

**OBSERVATIONS**

* Kidney		Nephropathy	Minimal
* Nose	Respirat Epith Glands, Mucosa	Cytoplasmic Alteration Dilatation Inflammation	Mild Focal, Mild Suppurative, Minimal
* Stomach, Forestomach	Epithelium	Hyperplasia	Squamous, Mild
* Thyroid Gland		Degeneration	Cystic, Focal, Minimal
* Uterus	Endometrium	Hyperplasia	Cystic, Moderate

[ Hyperplasia TGLS = 1-7 ]

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**PRIMARY CAUSE OF DEATH**

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 93023-07  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** 2,4-Hexadienal  
**CAS Number:** 142-83-6

**Date Report Requested:** 10/20/2014  
**Time Report Requested:** 13:41:51  
**First Dose M/F:** NA / NA  
**Lab:** SRI

**ANIMAL ID:** 387

**TRT#:** 8

**SEX:** Female

**DAY ON TEST:** 729

**DOSE:** 120 MG/KG/DY

**DISP:** Terminal Sacrifice

**HISTO:** 99-87211

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

* Adrenal Cortex	* Adrenal Medulla	* 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	* Lymph Node, Mandibular
* Lymph Node, Mesenteric	* Mammary Gland	* Ovary	* Pancreas
* Parathyroid Gland	* Pituitary Gland	* Salivary Glands	* Skin
* Spleen	* Stomach, Glandular	* Thymus	* Thyroid Gland
* Trachea	* Urinary Bladder		

**OBSERVATIONS**

* Kidney		Nephropathy	Minimal
* Liver		Hepatocellular Carcinoma	
[ Hepatocellular Carcinoma TGLS = 4-22 ]			
* Lung		Alveolar/Bronchiolar Adenoma	
[ Alveolar/Bronchiolar Adenoma TGLS = 5-24 ]			
Mesentery	Fat	Necrosis	Moderate
[ Necrosis TGLS = 1-21 ]			
* Nose	Respirat Epith	Cytoplasmic Alteration	Mild
* Stomach, Forestomach	Epithelium	Hyperplasia	Squamous, Minimal
[ Squamous Cell Carcinoma TGLS = 3-23 ]		Squamous Cell Carcinoma	
* Uterus		Hydrometra	Moderate
[ Hydrometra TGLS = 2-7 ]	Endometrium	Hyperplasia	Cystic, Moderate

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 93023-07  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** 2,4-Hexadienal  
**CAS Number:** 142-83-6

**Date Report Requested:** 10/20/2014  
**Time Report Requested:** 13:41:51  
**First Dose M/F:** NA / NA  
**Lab:** SRI

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<b>ANIMAL ID:</b> 388	<b>TRT#:</b> 8	<b>SEX:</b> Female	<b>DAY ON TEST:</b> 657
	<b>DOSE:</b> 120 MG/KG/DY	<b>DISP:</b> Moribund Sacrifice	<b>HISTO:</b> 99-86620

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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**NORMAL**

* Adrenal Cortex	* 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
* Lung	* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Mammary Gland
* Ovary	* Pancreas	* Parathyroid Gland	* Pituitary Gland
* Salivary Glands	* Skin	* Stomach, Forestomach	* Stomach, Glandular
* Thymus	* Thyroid Gland	* Trachea	* Urinary Bladder

---

**OBSERVATIONS**

* Kidney	Renal Tubule	Accumulation, Hyaline Droplet	Focal, Minimal
* Liver		Hepatocellular Carcinoma	
	[ Hepatocellular Carcinoma TGLS = 5-22 ]		
Mesentery	Fat	Necrosis	Moderate
	[ Necrosis TGLS = 4-21 ]		
* Nose	Respirat Epith	Cytoplasmic Alteration	Moderate
* Spleen		Congestion	Moderate
		Hematopoietic Cell Proliferation	Mild
	[ Congestion TGLS = 3-6 ]		
	[ Hematopoietic Cell Proliferation TGLS = 3-6 ]		
* Uterus		Hydrometra	Moderate
	Endometrium	Hyperplasia	Cystic, Mild

---

**PRIMARY CAUSE OF DEATH** - Liver Hepatocellular Carcinoma

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\* PROTOCOL REQUIRED TISSUE



**Experiment Number:** 93023-07  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** 2,4-Hexadienal  
**CAS Number:** 142-83-6

**Date Report Requested:** 10/20/2014  
**Time Report Requested:** 13:41:51  
**First Dose M/F:** NA / NA  
**Lab:** SRI

**ANIMAL ID:** 389

**TRT#:** 8

**SEX:** Female

**DAY ON TEST:** 638

**DOSE:** 120 MG/KG/DY

**DISP:** Moribund Sacrifice

**HISTO:** 99-86253

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

* Adrenal Cortex	* 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	* Ovary	* Pancreas	* Parathyroid Gland
Peripheral Nerve	* Pituitary Gland	* Salivary Glands	* Skin
Spinal Cord	* Spleen	* Stomach, Forestomach	* Thymus
* Thyroid Gland	* Trachea	* Urinary Bladder	

**OBSERVATIONS**

* Kidney		Metaplasia	Osseous, Focal, Minimal
* Liver	Hepatocyte	Vacuolization Cytoplasmic	Diffuse, Moderate
Mesentery	Fat	Necrosis	Moderate
[ Necrosis TGLS = 1-21 ]			
* Nose	Olfactory Epi	Cytoplasmic Alteration	Mild
	Respirat Epith	Cytoplasmic Alteration	Moderate
* Stomach, Glandular	Glands	Degeneration	Cystic, Focal, Mild
* Uterus		Hydrometra	Moderate
	Endometrium	Hyperplasia	Cystic, Mild
[ Hydrometra TGLS = 2-7 ]			

**PRIMARY CAUSE OF DEATH**

- UNCERTAIN

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 93023-07  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** 2,4-Hexadienal  
**CAS Number:** 142-83-6

**Date Report Requested:** 10/20/2014  
**Time Report Requested:** 13:41:51  
**First Dose M/F:** NA / NA  
**Lab:** SRI

**ANIMAL ID:** 390

**TRT#:** 8

**SEX:** Female

**DAY ON TEST:** 716

**DOSE:** 120 MG/KG/DY

**DISP:** Natural Death

**HISTO:** 99-86868

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Brain	* Clitoral Gland	* Esophagus	* Heart
* Intestine Large, Colon	* Intestine Large, Rectum	* Islets, Pancreatic	* Lung
* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Mammary Gland	* Ovary
* Parathyroid Gland	* Pituitary Gland	* Salivary Glands	* Thymus
* Thyroid Gland	* Trachea		

**AUTO PRECLUDES DIAG.**

* Gallbladder	* Intestine Large, Cecum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Kidney	* Pancreas	* Spleen
* Stomach, Glandular	* Urinary Bladder		

**OBSERVATIONS**

* Liver		Infiltration Cellular	Mixed Cell, Minimal
* Nose	Olfactory Epi Respirat Epith	Cytoplasmic Alteration Cytoplasmic Alteration Inflammation	Mild Moderate Suppurative, Minimal
* Skin [ Hemorrhage TGLS = 3-21 ]	Subcut Tiss	Hemorrhage	Focal, Moderate
* Stomach, Forestomach	Epithelium	Hyperplasia	Squamous, Minimal
* Uterus [ Hydrometra TGLS = 2-7 ] [ Hyperplasia TGLS = 2-7 ]	Endometrium	Hydrometra Hyperplasia	Moderate Cystic, Mild

**PRIMARY CAUSE OF DEATH**

- Skin Subcut Tiss Hemorrhage

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 93023-07  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** 2,4-Hexadienal  
**CAS Number:** 142-83-6

**Date Report Requested:** 10/20/2014  
**Time Report Requested:** 13:41:51  
**First Dose M/F:** NA / NA  
**Lab:** SRI

**ANIMAL ID:** 391

**TRT#:** 8

**SEX:** Female

**DAY ON TEST:** 734

**DOSE:** 120 MG/KG/DY

**DISP:** Terminal Sacrifice

**HISTO:** 99-87212

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

* Adrenal Cortex	* 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	* Salivary Glands	* Skin
* Spleen	* Stomach, Glandular	* Thymus	* Thyroid Gland
* Trachea	* Urinary Bladder		

**INSUFFICIENT TISSUE**

\* Adrenal Medulla

**OBSERVATIONS**

* Liver		Infiltration Cellular	Mixed Cell, Minimal
* Ovary		Cyst	Moderate
[ Cyst TGLS = 2-7 ]			
* Pituitary Gland	Pars Distalis	Adenoma	
[ Adenoma TGLS = 3-1 ]			
* Stomach, Forestomach	Epithelium	Hyperplasia	Squamous, Mild
		Squamous Cell Papilloma	
[ Hyperplasia TGLS = 4-21 ]			
[ Squamous Cell Papilloma TGLS = 4-21 ]			
* Uterus	Endometrium	Hydrometra	Moderate
		Hyperplasia	Cystic, Moderate
[ Hydrometra TGLS = 1-7 ]			
[ Hyperplasia TGLS = 1-7 ]			

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 93023-07  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** 2,4-Hexadienal  
**CAS Number:** 142-83-6

**Date Report Requested:** 10/20/2014  
**Time Report Requested:** 13:41:51  
**First Dose M/F:** NA / NA  
**Lab:** SRI

**ANIMAL ID:** 392

**TRT#:** 8

**SEX:** Female

**DAY ON TEST:** 734

**DOSE:** 120 MG/KG/DY

**DISP:** Terminal Sacrifice

**HISTO:** 99-87213

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

* Adrenal Cortex	* Adrenal Medulla	* Bone Marrow	* Brain
* Clitoral Gland	* Esophagus	* 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	* Ovary	* Pancreas
* Parathyroid Gland	* Pituitary Gland	* Salivary Glands	* Skin
* Spleen	* Stomach, Glandular	* Thymus	* Thyroid Gland
* Trachea	* Urinary Bladder	Vagina	

**OBSERVATIONS**

* Gallbladder		Cyst	Minimal
* Kidney		Nephropathy	Minimal
* Liver		Infiltration Cellular	Mixed Cell, Minimal
* Nose	Olfactory Epi	Cytoplasmic Alteration	Mild
	Respirat Epith	Cytoplasmic Alteration	Moderate
* Stomach, Forestomach	Epithelium	Hyperplasia	Squamous, Mild
Tooth	Peridont Tiss	Inflammation	Chronic, Minimal
* Uterus		Hydrometra	Moderate
	Endometrium	Hyperplasia	Cystic, Moderate

[ Hydrometra TGLS = 1-7 ]

**PRIMARY CAUSE OF DEATH**

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 93023-07  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** 2,4-Hexadienal  
**CAS Number:** 142-83-6

**Date Report Requested:** 10/20/2014  
**Time Report Requested:** 13:41:51  
**First Dose M/F:** NA / NA  
**Lab:** SRI

**ANIMAL ID:** 393

**TRT#:** 8

**SEX:** Female

**DAY ON TEST:** 734

**DOSE:** 120 MG/KG/DY

**DISP:** Terminal Sacrifice

**HISTO:** 99-87214

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

* Adrenal Cortex	* 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
* Lung	* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Mammary Gland
* Ovary	* Pancreas	* Parathyroid Gland	* Pituitary Gland
* Salivary Glands	* Skin	* Spleen	* Stomach, Glandular
* Trachea	* Urinary Bladder		

**MISSING**

\* Thymus

**OBSERVATIONS**

Harderian Gland		Adenoma	
* Kidney		Infarct	Moderate
		Nephropathy	Moderate
	[ Infarct TGLS = 2-21 ]		
	[ Nephropathy TGLS = 2-21 ]		
* Liver		Infiltration Cellular	Mixed Cell, Minimal
* Nose	Olfactory Epi	Cytoplasmic Alteration	Mild
	Respirat Epith	Cytoplasmic Alteration	Mild
		Inflammation	Suppurative, Minimal
* Stomach, Forestomach		Squamous Cell Papilloma	
	[ Squamous Cell Papilloma TGLS = 3-4 ]		
* Thyroid Gland		Degeneration	Cystic, Focal, Minimal
* Uterus		Hydrometra	Moderate
	Endometrium	Hyperplasia	Cystic, Moderate
	[ Hydrometra TGLS = 1-7 ]		

**PRIMARY CAUSE OF DEATH**

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 93023-07  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** 2,4-Hexadienal  
**CAS Number:** 142-83-6

**Date Report Requested:** 10/20/2014  
**Time Report Requested:** 13:41:51  
**First Dose M/F:** NA / NA  
**Lab:** SRI

**ANIMAL ID:** 394      **TRT#:** 8      **SEX:** Female      **DAY ON TEST:** 734  
**DOSE:** 120 MG/KG/DY      **DISP:** Terminal Sacrifice      **HISTO:** 99-87215

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

* Adrenal Cortex	* 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	* Pancreas	* Parathyroid Gland	* Salivary Glands
* Skin	* Spleen	* Stomach, Glandular	* Thymus
* Thyroid Gland	* Trachea	* Urinary Bladder	

**OBSERVATIONS**

* Liver		Infiltration Cellular	Mixed Cell, Mild
Mesentery	Fat	Necrosis	Moderate
[ Necrosis TGLS = 3-21 ]			
* Nose	Olfactory Epi	Cytoplasmic Alteration	Mild
	Respirat Epith	Cytoplasmic Alteration	Mild
* Ovary	Bilateral, Follicle	Cyst	Mild
		Cyst	Moderate
[ Cyst TGLS = 2-7 ]	Bilateral, Follicle	Hemorrhage	Mild
* Pituitary Gland	Pars Distalis	Adenoma	
	Pars Distalis	Angiectasis	Mild
[ Angiectasis TGLS = 5-1 ]			
* Stomach, Forestomach	Epithelium	Hyperplasia	Squamous, Mild
		Squamous Cell Papilloma	Multiple
[ Hyperplasia TGLS = 6-4.1 ]			
[ Squamous Cell Papilloma TGLS = 7-23 ]			
* Uterus		Angiectasis	Mild
		Hydrometra	Moderate
[ Angiectasis TGLS = 4-22 ]			
[ Hydrometra TGLS = 1-7 ]			

PRIMARY CAUSE OF DEATH -

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 93023-07  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** 2,4-Hexadienal  
**CAS Number:** 142-83-6

**Date Report Requested:** 10/20/2014  
**Time Report Requested:** 13:41:51  
**First Dose M/F:** NA / NA  
**Lab:** SRI

**ANIMAL ID:** 395

**TRT#:** 8

**SEX:** Female

**DAY ON TEST:** 734

**DOSE:** 120 MG/KG/DY

**DISP:** Terminal Sacrifice

**HISTO:** 99-87216

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

* Adrenal Cortex	* 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	* Ovary	* Pancreas	* Parathyroid Gland
* Pituitary Gland	* Salivary Glands	* Skin	* Spleen
* Stomach, Glandular	* Thymus	* Trachea	* Urinary Bladder

**OBSERVATIONS**

* Liver	Hepatocyte, Midzonal	Vacuolization Cytoplasmic	Mild
* Nose	Olfactory Epi	Cytoplasmic Alteration	Mild
	Respirat Epith	Cytoplasmic Alteration	Mild
* Stomach, Forestomach	Epithelium	Hyperplasia	Squamous, Minimal
		Squamous Cell Papilloma	
	[ Hyperplasia TGLS = 2-21 ]		
	[ Squamous Cell Papilloma TGLS = 2-21 ]		
* Thyroid Gland		Degeneration	Cystic, Focal, Minimal
* Uterus		Hydrometra	Mild
	Endometrium	Hyperplasia	Cystic, Moderate
	[ Hyperplasia TGLS = 1-7 ]		

**PRIMARY CAUSE OF DEATH**

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\* PROTOCOL REQUIRED TISSUE





**Experiment Number:** 93023-07  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** 2,4-Hexadienal  
**CAS Number:** 142-83-6

**Date Report Requested:** 10/20/2014  
**Time Report Requested:** 13:41:51  
**First Dose M/F:** NA / NA  
**Lab:** SRI

**ANIMAL ID:** 397

**TRT#:** 8

**SEX:** Female

**DAY ON TEST:** 734

**DOSE:** 120 MG/KG/DY

**DISP:** Terminal Sacrifice

**HISTO:** 99-87218

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

* Adrenal Cortex	* 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	* Ovary	* Pancreas	* Parathyroid Gland
* Salivary Glands	* Skin	* Spleen	* Stomach, Glandular
* Thymus	* Trachea	* Urinary Bladder	

**OBSERVATIONS**

* Liver	Hepatocyte, Midzonal	Vacuolization Cytoplasmic	Mild
* Nose	Olfactory Epi	Cytoplasmic Alteration	Mild
	Respirat Epith	Cytoplasmic Alteration	Moderate
* Pituitary Gland	Pars Distalis	Cytoplasmic Alteration	Focal, Minimal
* Stomach, Forestomach	Epithelium	Hyperplasia	Squamous, Minimal
	[ Hyperplasia TGLS = 2-4 ]		
* Thyroid Gland		Degeneration	Cystic, Focal, Minimal
Tooth	Peridont Tiss	Inflammation	Chronic, Mild
* Uterus		Hydrometra	Moderate
	Endometrium	Hyperplasia	Cystic, Moderate
	[ Hydrometra TGLS = 1-7 ]		

**PRIMARY CAUSE OF DEATH**

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 93023-07  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** 2,4-Hexadienal  
**CAS Number:** 142-83-6

**Date Report Requested:** 10/20/2014  
**Time Report Requested:** 13:41:51  
**First Dose M/F:** NA / NA  
**Lab:** SRI

**ANIMAL ID:** 398

**TRT#:** 8

**SEX:** Female

**DAY ON TEST:** 734

**DOSE:** 120 MG/KG/DY

**DISP:** Terminal Sacrifice

**HISTO:** 99-87219

**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
* Ovary	* Pancreas	* Parathyroid Gland	* Pituitary Gland
* Salivary Glands	* Skin	* Spleen	* Stomach, Glandular
* Thymus	* Thyroid Gland	* Trachea	* Urinary Bladder

**OBSERVATIONS**

* Adrenal Cortex		Accessory Adrenal Cortical Nodule	Minimal
* Liver		Infiltration Cellular	Mixed Cell, Minimal
	Hepatocyte	Vacuolization Cytoplasmic	Diffuse, Mild
* Nose	Olfactory Epi	Cytoplasmic Alteration	Mild
	Respirat Epith	Cytoplasmic Alteration	Mild
		Inflammation	Suppurative, Mild
* Stomach, Forestomach	Epithelium	Hyperplasia	Squamous, Moderate
[ Hyperplasia TGLS = 2-4, 3-21 ]			
* Uterus		Hydrometra	Mild
	Endometrium	Hyperplasia	Cystic, Moderate
[ Hyperplasia TGLS = 1-7 ]			

**PRIMARY CAUSE OF DEATH**

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 93023-07  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** 2,4-Hexadienal  
**CAS Number:** 142-83-6

**Date Report Requested:** 10/20/2014  
**Time Report Requested:** 13:41:51  
**First Dose M/F:** NA / NA  
**Lab:** SRI

**ANIMAL ID:** 399

**TRT#:** 8

**SEX:** Female

**DAY ON TEST:** 734

**DOSE:** 120 MG/KG/DY

**DISP:** Terminal Sacrifice

**HISTO:** 99-87220

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

* Adrenal Medulla	* 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	* Lymph Node, Mandibular	* Lymph Node, Mesenteric
* Mammary Gland	* Pancreas	* Pituitary Gland	* Salivary Glands
* Skin	* Spleen	* Stomach, Forestomach	* Stomach, Glandular
* Thymus	* Thyroid Gland	* Trachea	* Urinary Bladder

**INSUFFICIENT TISSUE**

\* Ovary

**OBSERVATIONS**

* Adrenal Cortex		Accessory Adrenal Cortical Nodule	Minimal
* Kidney		Nephropathy	Minimal
* Liver		Infiltration Cellular	Mixed Cell, Minimal
* Lung	Alveolar Epith	Hyperplasia	Minimal
[ Hyperplasia TGLS = 4-23 ]			
Mesentery	Fat	Necrosis	Moderate
[ Necrosis TGLS = 1-21, 2-22 ]			
* Nose	Olfactory Epi	Cytoplasmic Alteration	Minimal
	Respirat Epith	Cytoplasmic Alteration	Mild
	Glands, Mucosa	Dilatation	Focal, Minimal
* Parathyroid Gland		Cyst	Minimal
* Uterus		Hydrometra	Moderate
	Endometrium	Hyperplasia	Cystic, Moderate
[ Hydrometra TGLS = 3-7 ]			
[ Hyperplasia TGLS = 3-7 ]			

**PRIMARY CAUSE OF DEATH**

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 93023-07  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** 2,4-Hexadienal  
**CAS Number:** 142-83-6

**Date Report Requested:** 10/20/2014  
**Time Report Requested:** 13:41:51  
**First Dose M/F:** NA / NA  
**Lab:** SRI

**ANIMAL ID:** 400

**TRT#:** 8

**SEX:** Female

**DAY ON TEST:** 734

**DOSE:** 120 MG/KG/DY

**DISP:** Terminal Sacrifice

**HISTO:** 99-87221

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

* Adrenal Cortex	* 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	* Ovary	* Pancreas	* Parathyroid Gland
* Pituitary Gland	* Salivary Glands	* Skin	* Spleen
* Stomach, Glandular	* Thymus	* Thyroid Gland	* Trachea
* Urinary Bladder			

**OBSERVATIONS**

* Liver		Infiltration Cellular	Mixed Cell, Minimal
* Nose	Olfactory Epi	Cytoplasmic Alteration	Moderate
	Respirat Epith	Cytoplasmic Alteration	Moderate
	Glands, Mucosa	Dilatation	Focal, Mild
		Inflammation	Suppurative, Moderate
* Stomach, Forestomach	Epithelium	Hyperplasia	Squamous, Minimal
[ Hyperplasia TGLS = 3-21 ]			
* Uterus	Endometrium	Adenoma	
	Endometrium	Hyperplasia	Cystic, Moderate
[ Adenoma TGLS = 2-22 ]			
[ Hyperplasia TGLS = 1-7 ]			

**PRIMARY CAUSE OF DEATH**

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**\*\* END OF REPORT \*\***

\* PROTOCOL REQUIRED TISSUE