

Experiment Number: 05070-02
Test Type: CHRONIC
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Vinyl toluene
CAS Number: 25013-15-4

Date Report Requested: 10/23/2014
Time Report Requested: 13:42:42
First Dose M/F: NA / NA
Lab: MIDWEST

C Number: C56406
Lock Date: Not Entered.
Cage Range: All
Date Range: All
Reasons For Removal: All
Removal Date Range: All
Treatment Groups: All
Study Gender: Both
PWG Approval Date: 10/04/1988

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P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Vinyl toluene

CAS Number: 25013-15-4

Date Report Requested: 10/23/2014

Time Report Requested: 13:42:42

First Dose M/F: NA / NA

Lab: MIDWEST

ANIMAL ID: 1

TRT#: 4

SEX: Male

DAY ON TEST: 673

DOSE: CONTROL

DISP: Moribund Sacrifice

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - 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	Larynx
Lymph Node - Mandibular	Nose	Parathyroid Gland	Pituitary Gland
Prostate	Seminal Vesicle	Stomach - Forestomach	Stomach - Glandular
Testes	Thyroid Gland	Trachea	

MISSING

Mammary Gland	Thymus
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OBSERVATIONS

Adrenal Gland	Capsule	Hyperplasia	Multifocal, Minimal
Bone Marrow	Myeloid Cell	Hyperplasia	Moderate
Coagulating Gland		Inflammation	Chronic Active, Moderate
Kidney		Infiltration Cellular	Mixed Cell, Multifocal, Minimal
Liver		Hepatocellular Carcinoma	Multiple
		Necrosis	Subacute, Multifocal, Moderate
Note: NECROSIS TGLs = 9-5,			
Note: NECROSIS TGLs = 8-5,			
Note: HEPATOCLR CARC TGLs = 7-5,			
Note: HEPATOCLR CARC TGLs = 6-10+11,			
Lung		Hepatocellular Carcinoma	Metastatic (Liver)
Lymph Node	Mesenteric	Hematopoietic Cell Proliferation	Marked
	Mesenteric	Hemorrhage	Mild
Note: HEMA CELL PROL TGLs = 3-7,			
Note: HEMORRHAGE TGLs = 3-7,			
Mesentery		Infiltration Cellular	Lymphocyte, Multifocal, Mild
Pancreas	Acinus	Atrophy	Multifocal, Mild
Salivary Glands		Infiltration Cellular	Lymphocyte, Multifocal, Minimal
Skin	Prepuce	Necrosis	Marked
Note: NECROSIS TGLs = 2-12,			

* PROTOCOL REQUIRED TISSUE

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Date Report Requested: 10/23/2014
Time Report Requested: 13:42:42
First Dose M/F: NA / NA
Lab: MIDWEST

ANIMAL ID: 1	TRT#: 4 DOSE: CONTROL	SEX: Male DISP: Moribund Sacrifice	DAY ON TEST: 673 HISTO:
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ORGAN AND ACCOUNTABLE SITE STATUS			
Spleen		Hematopoietic Cell Proliferation	Marked
Urinary Bladder		Calculus Micro Observation Only Inflammation	Chronic Active, Diffuse, Marked
Note: INFLAMMATION	TGLs = 5-7,		

PRIMARY CAUSE OF DEATH	-		
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Time Report Requested: 13:42:42

First Dose M/F: NA / NA

Lab: MIDWEST

ANIMAL ID: 1

TRT#: 5

SEX: Male

DAY ON TEST: 732

DOSE: 25 PPM

DISP: Terminal Sacrifice

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - 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	Kidney	Larynx
Liver	Lymph Node - Mandibular	Lymph Node - Mesenteric	Pancreas
Parathyroid Gland	Seminal Vesicle	Skin	Spleen
Stomach - Forestomach	Stomach - Glandular	Testes	Thymus
Thyroid Gland	Trachea	Urinary Bladder	

MISSING

Intestine Small - Jejunum	Mammary Gland	Prostate
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OBSERVATIONS

Adrenal Gland	Capsule	Hyperplasia	Multifocal, Mild
	Cortex	Hypertrophy	Multifocal, Marked
Lung	Alveolus	Inflammation	Chronic Active, Multifocal, Minimal
Nose	Respirat Epith	Hyperplasia	Moderate
	Mucosa	Inflammation	Chronic Active, Mild
Pituitary Gland	Pars Distalis	Adenoma	
Note: ADENOMA TGLs = 1-1.1,			
Salivary Glands		Infiltration Cellular	Lymphocyte, Multifocal, Minimal

PRIMARY CAUSE OF DEATH

-

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Test Compound: Vinyl toluene

CAS Number: 25013-15-4

Date Report Requested: 10/23/2014

Time Report Requested: 13:42:42

First Dose M/F: NA / NA

Lab: MIDWEST

ANIMAL ID: 1

TRT#: 6

SEX: Male

DAY ON TEST: 623

DOSE: 10 PPM

DISP: Moribund Sacrifice

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex
Epididymis
Intestine Large - Colon
Intestine Small - Jejunum
Lymph Node - Mesenteric
Salivary Glands
Testes
Urinary Bladder

Adrenal Gland - Medulla
Esophagus
Intestine Large - Rectum
Islets, Pancreatic
Mammary Gland
Seminal Vesicle
Thymus

Bone
Gallbladder
Intestine Small - Duodenum
Kidney
Pancreas
Stomach - Forestomach
Thyroid Gland

Brain
Heart
Intestine Small - Ileum
Lung
Pituitary Gland
Stomach - Glandular
Trachea

MISSING

Intestine Large - Cecum
Prostate

Larynx

Lymph Node - Mandibular

Parathyroid Gland

OBSERVATIONS

Adrenal Gland
Bone Marrow
Liver
Nose

Skin

Note: ABSCESS TGLs = 1-10
Note: ULCER TGLs = 3-10
Spleen

Capsule
Myeloid Cell

Respirat Epith
Mucosa
Prepuce
Prepuce

Hyperplasia
Hyperplasia
Necrosis
Hyperplasia
Inflammation
Abscess
Ulcer

Multifocal, Minimal
Moderate
Acute, Focal, Minimal
Marked
Chronic Active, Mild
Marked
Marked

Hematopoietic Cell Proliferation

Marked

PRIMARY CAUSE OF DEATH

-

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P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Vinyl toluene

CAS Number: 25013-15-4

Date Report Requested: 10/23/2014

Time Report Requested: 13:42:42

First Dose M/F: NA / NA

Lab: MIDWEST

ANIMAL ID: 2	TRT#: 4 DOSE: CONTROL	SEX: Male DISP: Moribund Sacrifice	DAY ON TEST: 717 HISTO:
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ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Bone Marrow
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
Larynx	Liver	Lung	Lymph Node - Mandibular
Lymph Node - Mesenteric	Nose	Pancreas	Parathyroid Gland
Pituitary Gland	Seminal Vesicle	Skin	Spleen
Stomach - Forestomach	Stomach - Glandular	Testes	Thymus
Trachea	Urinary Bladder		

MISSING

Mammary Gland	Prostate
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OBSERVATIONS

Adrenal Gland	Capsule	Hyperplasia	Multifocal, Minimal
Brain		Mineralization	Multifocal, Marked
Salivary Glands		Infiltration Cellular	Lymphocyte, Multifocal, Minimal
Thyroid Gland	Follicular Cel	Hyperplasia	Multifocal, Minimal

PRIMARY CAUSE OF DEATH

-

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Date Report Requested: 10/23/2014

Time Report Requested: 13:42:42

First Dose M/F: NA / NA

Lab: MIDWEST

ANIMAL ID: 2	TRT#: 5 DOSE: 25 PPM	SEX: Male DISP: Terminal Sacrifice	DAY ON TEST: 732 HISTO:
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ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Bone Marrow
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
Liver	Mammary Gland	Pancreas	Parathyroid Gland
Pituitary Gland	Seminal Vesicle	Skin	Spleen
Stomach - Forestomach	Testes	Thymus	Trachea

MISSING

Lymph Node - Mandibular	Lymph Node - Mesenteric	Prostate	Urinary Bladder
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OBSERVATIONS

Brain		Mineralization	Multifocal, Mild
Kidney		Hydronephrosis	Mild
Lung	Alveolus, Bronchiole	Inflammation	Chronic Active, Multifocal, Mild
Nose	Respirat Epith	Hyperplasia	Moderate
	Mucosa	Inflammation	Chronic Active, Mild
Salivary Glands		Infiltration Cellular	Lymphocyte, Multifocal, Mild
Stomach	Glandular	Inflammation	Chronic Active, Multifocal, Mild
Thyroid Gland		Infiltration Cellular	Lymphocyte, Focal, Mild

PRIMARY CAUSE OF DEATH

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First Dose M/F: NA / NA
Lab: MIDWEST

ANIMAL ID: 2	TRT#: 6 DOSE: 10 PPM	SEX: Male DISP: Terminal Sacrifice	DAY ON TEST: 732 HISTO:
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ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Preputial Gland

OBSERVATIONS

Liver		Hepatocellular Carcinoma Necrosis	Acute, Multifocal, Moderate
Note: NECROSIS	TGLs = 9-3		
Note: HEPATOCLR CARC	TGLs = 7-3		
Lung		Lymphoma Malignant Histiocytic	
[Lymphoma Malignant Histiocytic	TGLS = 2+3+4-1]		
Lymph Node	Mediastinal	Lymphoma Malignant Histiocytic	
Note: LYMPH MAL HIST	TGLs = 5-4		
Nose	Respirat Epith Mucosa	Hyperplasia Inflammation	Marked Chronic Active, Moderate
Spleen		Lymphoma Malignant Histiocytic	
Note: LYMPH MAL HIST	TGLs = 6-3		

PRIMARY CAUSE OF DEATH

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Test Compound: Vinyl toluene

CAS Number: 25013-15-4

Date Report Requested: 10/23/2014

Time Report Requested: 13:42:42

First Dose M/F: NA / NA

Lab: MIDWEST

ANIMAL ID: 3	TRT#: 4 DOSE: CONTROL	SEX: Male DISP: Moribund Sacrifice	DAY ON TEST: 687 HISTO:
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ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Bone Marrow
Epididymis	Esophagus	Intestine Large - Cecum	Intestine Large - Colon
Intestine Large - Rectum	Intestine Small - Duodenum	Intestine Small - Ileum	Intestine Small - Jejunum
Islets, Pancreatic	Larynx	Lymph Node - Mandibular	Mammary Gland
Pancreas	Parathyroid Gland	Pituitary Gland	Prostate
Seminal Vesicle	Stomach - Forestomach	Stomach - Glandular	Testes
Thyroid Gland	Trachea	Urinary Bladder	

MISSING

Gallbladder	Thymus
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OBSERVATIONS

Adrenal Gland	Capsule	Hyperplasia	Multifocal, Mild
Brain		Mineralization	Multifocal, Mild
Note: POSSIBLE FREEZING ARTIFACT			
Heart	Coron Artery	Infiltration Cellular	Mixed Cell, Focal, Moderate
Kidney		Hydronephrosis	Moderate
Liver		Basophilic Focus	
Lung		Alveolar/Bronchiolar Adenoma	
Lymph Node	Mesenteric	Hematopoietic Cell Proliferation	Mild
Mesentery	Adventitia, Artery	Infiltration Cellular	Mixed Cell, Focal, Moderate
Nose	Respirat Epith	Hyperplasia	Minimal
Preputial Gland		Cyst	
		Inflammation	Chronic Active, Moderate
Salivary Glands		Infiltration Cellular	Lymphocyte, Multifocal, Minimal
Skin	Prepuce	Ulcer	Marked
Note: ULCER TGLs = 1-10,			
Spleen		Hematopoietic Cell Proliferation	Mild

PRIMARY CAUSE OF DEATH	-
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Date Report Requested: 10/23/2014
Time Report Requested: 13:42:42
First Dose M/F: NA / NA
Lab: MIDWEST

ANIMAL ID: 3	TRT#: 5 DOSE: 25 PPM	SEX: Male DISP: Dosing Accident	DAY ON TEST: 148 HISTO:
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ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Bone Marrow
Brain	Epididymis	Esophagus	Heart
Intestine Large - Colon	Intestine Small - Duodenum	Islets, Pancreatic	Kidney
Liver	Pancreas	Pituitary Gland	Prostate
Salivary Glands	Seminal Vesicle	Skin	Spleen
Stomach - Forestomach	Stomach - Glandular	Testes	Thyroid Gland
Trachea	Urinary Bladder		

MISSING

Gallbladder	Intestine Large - Cecum	Intestine Large - Rectum	Intestine Small - Ileum
Intestine Small - Jejunum	Larynx	Lymph Node - Mandibular	Lymph Node - Mesenteric
Mammary Gland	Parathyroid Gland		

OBSERVATIONS

Intest Large			
Lung	Alveolus, Bronchiole	Inflammation	Chronic Active, Multifocal, Moderate
Nose	Respirat Epith	Hyperplasia	Marked
	Mucosa	Inflammation	Chronic Active, Moderate

PRIMARY CAUSE OF DEATH

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* PROTOCOL REQUIRED TISSUE

Experiment Number: 05070-02

Test Type: CHRONIC

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Vinyl toluene

CAS Number: 25013-15-4

Date Report Requested: 10/23/2014

Time Report Requested: 13:42:42

First Dose M/F: NA / NA

Lab: MIDWEST

ANIMAL ID: 3	TRT#: 6 DOSE: 10 PPM	SEX: Male DISP: Moribund Sacrifice	DAY ON TEST: 567 HISTO:
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ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - 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	Pancreas
Pituitary Gland	Prostate	Seminal Vesicle	Skin
Stomach - Forestomach	Stomach - Glandular	Testes	Thymus
Thyroid Gland	Trachea	Urinary Bladder	

MISSING

Mammary Gland	Parathyroid Gland
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OBSERVATIONS

Kidney		Mineralization	Multifocal, Mild
Liver		Hepatocellular Carcinoma	
Note: HEPATOCLR CARC TGLs = 1-10			
Lymph Node	Mesenteric	Hemorrhage	Marked
Nose	Respirat Epith	Hyperplasia	Moderate
	Mucosa	Inflammation	Chronic Active, Minimal
Salivary Glands		Infiltration Cellular	Lymphocyte, Multifocal, Minimal
Spleen		Hematopoietic Cell Proliferation	Moderate

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05070-02

Test Type: CHRONIC

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Vinyl toluene

CAS Number: 25013-15-4

Date Report Requested: 10/23/2014

Time Report Requested: 13:42:42

First Dose M/F: NA / NA

Lab: MIDWEST

ANIMAL ID: 4	TRT#: 4 DOSE: CONTROL	SEX: Male DISP: Terminal Sacrifice	DAY ON TEST: 732 HISTO:
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ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Bone Marrow
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
Liver	Lymph Node - Mandibular	Nose	Pancreas
Pituitary Gland	Prostate	Salivary Glands	Seminal Vesicle
Skin	Spleen	Stomach - Forestomach	Stomach - Glandular
Thymus	Trachea	Urinary Bladder	

MISSING

Mammary Gland	Parathyroid Gland
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OBSERVATIONS

Adrenal Gland	Capsule	Hyperplasia	Multifocal, Minimal
Brain		Mineralization	Multifocal, Mild
Kidney		Lymphoma Malignant Lymphocytic	
Note: LYMPH MAL LYMP TGLs = 6-6,			
Lung		Alveolar/Bronchiolar Adenoma	
		Lymphoma Malignant Lymphocytic	
Lymph Node	Mesenteric	Hematopoietic Cell Proliferation	Moderate
	Mesenteric	Hemorrhage	Moderate
	Lumbar	Hyperplasia	Lymphoid, Moderate
Note: HEMORRHAGE TGLs = 5-7,			
[Hematopoietic Cell Proliferation TGLs = 7-10,]			
Preputial Gland		Abscess	Moderate
		Inflammation	Chronic Active, Marked
Note: INFLAMMATION TGLs = 1-2,			
Testes	Seminif Tub	Atrophy	Mild
Thyroid Gland	Follicular Cel	Hyperplasia	Minimal

PRIMARY CAUSE OF DEATH

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* PROTOCOL REQUIRED TISSUE

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CAS Number: 25013-15-4

Date Report Requested: 10/23/2014
Time Report Requested: 13:42:42
First Dose M/F: NA / NA
Lab: MIDWEST

ANIMAL ID: 4	TRT#: 5 DOSE: 25 PPM	SEX: Male DISP: Dosing Accident	DAY ON TEST: 148 HISTO:
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ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Bone	Bone Marrow	Brain
Epididymis	Esophagus	Gallbladder	Heart
Intestine Large - Colon	Intestine Small - Duodenum	Intestine Small - Jejunum	Islets, Pancreatic
Kidney	Lung	Lymph Node - Mandibular	Pancreas
Pituitary Gland	Prostate	Salivary Glands	Seminal Vesicle
Skin	Spleen	Stomach - Glandular	Testes
Thymus	Trachea		

MISSING

Adrenal Gland - Medulla	Intestine Large - Cecum	Intestine Large - Rectum	Intestine Small - Ileum
Larynx	Lymph Node - Mesenteric	Mammary Gland	Parathyroid Gland
Stomach - Forestomach	Urinary Bladder		

OBSERVATIONS

Liver		Degeneration	Ballooning, Multifocal, Minimal
Nose	Respirat Epith Mucosa	Hyperplasia Inflammation	Marked Acute, Minimal

Note: MARKED RETENTION OF SECRETION IN SURFACE EPITHELIUM

PRIMARY CAUSE OF DEATH

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P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Vinyl toluene
CAS Number: 25013-15-4

Date Report Requested: 10/23/2014
Time Report Requested: 13:42:42
First Dose M/F: NA / NA
Lab: MIDWEST

ANIMAL ID: 4	TRT#: 6 DOSE: 10 PPM	SEX: Male DISP: Terminal Sacrifice	DAY ON TEST: 731 HISTO:
OBSERVATIONS			
Lung	Alveolus, Bronchiole	Inflammation	Chronic, Multifocal, Minimal
Nose	Respirat Epith	Hyperplasia	Marked
	Mucosa	Inflammation	Chronic Active, Mild
Skin	Subcut Tiss	Fibrous Histiocytoma	
Note: FIB HISTIOCYT	TGLs = 1-3		
Spleen		Hemangiosarcoma	
Note: HEMANGIOSARC	TGLs = 2-3		
<hr/> PRIMARY CAUSE OF DEATH - <hr/>			

* PROTOCOL REQUIRED TISSUE

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Test Type: CHRONIC

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Vinyl toluene

CAS Number: 25013-15-4

Date Report Requested: 10/23/2014

Time Report Requested: 13:42:42

First Dose M/F: NA / NA

Lab: MIDWEST

ANIMAL ID: 5	TRT#: 4 DOSE: CONTROL	SEX: Male DISP: Moribund Sacrifice	DAY ON TEST: 567 HISTO:
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ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

Gallbladder	Intestine Large - Cecum	Mammary Gland
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OBSERVATIONS

Bone Marrow	Myeloid Cell	Hyperplasia	Moderate
Kidney		Inflammation	Suppurative, Chronic Active, Multifocal, Marked
Note: INFLAMMATION TGLs = 2+3-6,			
Liver		Hepatocellular Carcinoma	
		Karyomegaly	Multifocal, Mild
		Necrosis	Acute, Multifocal, Mild
Note: HEPATOCLR CARC TGLs = 1-5,			
Lung		Hepatocellular Carcinoma	Metastatic (Liver)
Prostate		Inflammation	Chronic Active, Marked
Spleen		Hematopoietic Cell Proliferation	Mild
Urethra		Calculus Micro Observation Only	

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05070-02

Test Type: CHRONIC

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Vinyl toluene

CAS Number: 25013-15-4

Date Report Requested: 10/23/2014

Time Report Requested: 13:42:42

First Dose M/F: NA / NA

Lab: MIDWEST

ANIMAL ID: 5

TRT#: 5

SEX: Male

DAY ON TEST: 732

DOSE: 25 PPM

DISP: Terminal Sacrifice

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - 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	Liver	Lymph Node - Mandibular	Mammary Gland
Pituitary Gland	Prostate	Salivary Glands	Seminal Vesicle
Skin	Spleen	Stomach - Forestomach	Stomach - Glandular
Testes	Thymus	Thyroid Gland	Urinary Bladder

MISSING

Parathyroid Gland

OBSERVATIONS

Adrenal Gland	Capsule	Hyperplasia	Focal, Mild
Larynx		Inflammation	Chronic, Multifocal, Minimal
Lung	Alveolus, Bronchiole	Inflammation	Chronic Active, Multifocal, Mild
Lymph Node	Mesenteric	Hemorrhage	Moderate
Note: HEMORRHAGE TGLs = 2-7,			
Mesentery	Fat	Inflammation	Chronic Active, Focal, Mild
Nose	Respirat Epith	Hyperplasia	Marked
	Mucosa	Inflammation	Chronic Active, Moderate
Pancreas		Infiltration Cellular	Lymphocyte, Multifocal, Mild
Trachea		Inflammation	Chronic, Focal, Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05070-02
Test Type: CHRONIC
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Vinyl toluene
CAS Number: 25013-15-4

Date Report Requested: 10/23/2014
Time Report Requested: 13:42:42
First Dose M/F: NA / NA
Lab: MIDWEST

ANIMAL ID: 5	TRT#: 6 DOSE: 10 PPM	SEX: Male DISP: Moribund Sacrifice	DAY ON TEST: 553 HISTO:
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ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL			
Seminal Vesicle	Urinary Bladder		

OBSERVATIONS			
Liver Note: HEPATOCLR CARC TGLs = 1-3		Hepatocellular Carcinoma	
Lung	Alveolus, Bronchiole	Inflammation	Chronic Active, Multifocal, Moderate
Nose	Respirat Epith Mucosa	Hyperplasia Inflammation	Moderate Chronic Active, Minimal

PRIMARY CAUSE OF DEATH	-
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* PROTOCOL REQUIRED TISSUE

Experiment Number: 05070-02

Test Type: CHRONIC

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Vinyl toluene

CAS Number: 25013-15-4

Date Report Requested: 10/23/2014

Time Report Requested: 13:42:42

First Dose M/F: NA / NA

Lab: MIDWEST

ANIMAL ID: 6	TRT#: 4 DOSE: CONTROL	SEX: Male DISP: Moribund Sacrifice	DAY ON TEST: 696 HISTO:
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ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Bone Marrow
Epididymis	Esophagus	Gallbladder	Intestine Large - Cecum
Intestine Large - Colon	Intestine Large - Rectum	Intestine Small - Duodenum	Intestine Small - Ileum
Intestine Small - Jejunum	Islets, Pancreatic	Larynx	Liver
Lymph Node - Mesenteric	Nose	Pancreas	Parathyroid Gland
Pituitary Gland	Salivary Glands	Seminal Vesicle	Skin
Stomach - Forestomach	Stomach - Glandular	Testes	Thymus
Thyroid Gland	Trachea	Urinary Bladder	

MISSING

Lymph Node - Mandibular	Mammary Gland	Prostate
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OBSERVATIONS

Brain		Mineralization	Multifocal, Mild
Heart	Ventricle	Karyomegaly	Multifocal, Moderate
Kidney	Cortex, Epithelium, Renal Tubule	Hyperplasia	Atypical, Focal, Mild
		Infiltration Cellular	Lymphocyte, Multifocal, Minimal
Lung		Alveolar/Bronchiolar Carcinoma	Multiple
		Infiltration Cellular	Histiocyte, Diffuse, Moderate
Note: ALV BRON CARC TGLs = 2-4,			
Note: ALV BRON CARC TGLs = 2-4,			
Mesentery		Inflammation	Acute, Focal, Moderate
Preputial Gland		Cyst	
		Inflammation	Chronic, Moderate
Note: INFLAMMATION TGLs = 1-10,			
Note: CYST TGLs = 1-10			
Spleen		Hematopoietic Cell Proliferation	Mild

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05070-02

Test Type: CHRONIC

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Vinyl toluene

CAS Number: 25013-15-4

Date Report Requested: 10/23/2014

Time Report Requested: 13:42:42

First Dose M/F: NA / NA

Lab: MIDWEST

ANIMAL ID: 6	TRT#: 5 DOSE: 25 PPM	SEX: Male DISP: Terminal Sacrifice	DAY ON TEST: 732 HISTO:
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ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - 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
Larynx	Mammary Gland	Pancreas	Pituitary Gland
Prostate	Salivary Glands	Seminal Vesicle	Skin
Spleen	Stomach - Forestomach	Stomach - Glandular	Testes
Thyroid Gland	Trachea	Urinary Bladder	

MISSING

Lymph Node - Mandibular	Parathyroid Gland	Thymus
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OBSERVATIONS

Adrenal Gland	Capsule	Hyperplasia	Multifocal, Moderate
	Cortex	Hyperplasia	Focal, Moderate
Liver		Cytomegaly	Focal, Mild
Lung	Alveolus	Inflammation	Chronic Active, Focal, Mild
Lymph Node	Mesenteric	Hemorrhage	Marked
Note: HEMORRHAGE	TGLs = 1-7,		
Nose	Respirat Epith	Hyperplasia	Marked
	Mucosa	Inflammation	Chronic Active, Moderate

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05070-02

Test Type: CHRONIC

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Vinyl toluene

CAS Number: 25013-15-4

Date Report Requested: 10/23/2014

Time Report Requested: 13:42:42

First Dose M/F: NA / NA

Lab: MIDWEST

ANIMAL ID: 6	TRT#: 6 DOSE: 10 PPM	SEX: Male DISP: Terminal Sacrifice	DAY ON TEST: 731 HISTO:
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ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Lung

OBSERVATIONS

Nose	Respirat Epith Mucosa	Hyperplasia Inflammation	Marked Chronic Active, Mild
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PRIMARY CAUSE OF DEATH -

Experiment Number: 05070-02
 Test Type: CHRONIC
 Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 Test Compound: Vinyl toluene
 CAS Number: 25013-15-4

Date Report Requested: 10/23/2014
 Time Report Requested: 13:42:42
 First Dose M/F: NA / NA
 Lab: MIDWEST

ANIMAL ID: 7	TRT#: 4 DOSE: CONTROL	SEX: Male DISP: Moribund Sacrifice	DAY ON TEST: 670 HISTO:
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ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Heart
Intestine Large - Cecum	Intestine Large - Colon	Intestine Large - Rectum	Intestine Small - Duodenum
Intestine Small - Ileum	Intestine Small - Jejunum	Islets, Pancreatic	Pituitary Gland
Testes	Thyroid Gland	Trachea	

MISSING

Gallbladder	Lymph Node - Mesenteric	Mammary Gland	Stomach - Glandular
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OBSERVATIONS

Adrenal Gland	Capsule	Lymphoma Malignant Mixed	
Bone Marrow		Lymphoma Malignant Mixed	
Note: MORE EASILY SEEN IN SKULL BONES THAN FEMUR			
Brain		Mineralization	Multifocal, Mild
Epididymis		Lymphoma Malignant Mixed	
Esophagus		Lymphoma Malignant Mixed	
Heart			
Note: PERICARDIUM NOT WITH HEART - NODULES PROBABLY LYMPHOMA			
Kidney		Lymphoma Malignant Mixed	
Larynx		Lymphoma Malignant Mixed	
Liver		Hepatocellular Carcinoma	
		Infarct	Single, Marked
		Infiltration Cellular	Histiocyte, Multifocal, Mild
Note: INFARCT TGLs = 4-10, Note: HEPATOCLR CARC TGLs = 5-5,			
Lung		Lymphoma Malignant Mixed	
Lymph Node	Mandibular	Lymphoma Malignant Mixed	
Mesentery		Lymphoma Malignant Mixed	
Nose	Mucosa	Inflammation	Chronic Active, Mild
Pancreas	Acinus	Hypertrophy	Multifocal, Mild
Parathyroid Gland		Lymphoma Malignant Mixed	
Prostate		Lymphoma Malignant Mixed	
Salivary Glands		Lymphoma Malignant Mixed	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05070-02
Test Type: CHRONIC
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Vinyl toluene
CAS Number: 25013-15-4

Date Report Requested: 10/23/2014
Time Report Requested: 13:42:42
First Dose M/F: NA / NA
Lab: MIDWEST

ANIMAL ID: 7	TRT#: 4 DOSE: CONTROL	SEX: Male DISP: Moribund Sacrifice	DAY ON TEST: 670 HISTO:
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ORGAN AND ACCOUNTABLE SITE STATUS			
Seminal Vesicle		Lymphoma Malignant Mixed	
Skin	Prepuce	Ulcer	Marked
Note: ULCER TGLs = 6-7,			
Spleen		Lymphoma Malignant Mixed	
Note: [LYMPH MAL MIXD] TGLs = 3-5			
Stomach	Forestomach	Lymphoma Malignant Mixed	
Thymus		Lymphoma Malignant Mixed	
Urinary Bladder		Lymphoma Malignant Mixed	
Note: [LYMPH MAL MIXD] TGLs = 2-7			

PRIMARY CAUSE OF DEATH	-
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* PROTOCOL REQUIRED TISSUE

Experiment Number: 05070-02

Test Type: CHRONIC

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Vinyl toluene

CAS Number: 25013-15-4

Date Report Requested: 10/23/2014

Time Report Requested: 13:42:42

First Dose M/F: NA / NA

Lab: MIDWEST

ANIMAL ID: 7

TRT#: 5

SEX: Male

DAY ON TEST: 732

DOSE: 25 PPM

DISP: Terminal Sacrifice

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - 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	Lymph Node - Mandibular	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		Infiltration Cellular	Lymphocyte, Multifocal, Mild
Liver		Hepatocellular Carcinoma	Multiple
Note: HEPATOCLR CARC	TGLs = 2-5,		
Note: HEPATOCLR CARC	TGLs = 1-10,		
Lung	Alveolus, Bronchiole	Inflammation	Chronic Active, Multifocal, Mild
Lymph Node	Mesenteric	Hemorrhage	Moderate
Nose	Respirat Epith	Hyperplasia	Marked
	Mucosa	Inflammation	Chronic Active, Moderate
Spleen		Hematopoietic Cell Proliferation	Moderate

PRIMARY CAUSE OF DEATH

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* PROTOCOL REQUIRED TISSUE

Experiment Number: 05070-02

Test Type: CHRONIC

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Vinyl toluene

CAS Number: 25013-15-4

Date Report Requested: 10/23/2014

Time Report Requested: 13:42:42

First Dose M/F: NA / NA

Lab: MIDWEST

ANIMAL ID: 7	TRT#: 6 DOSE: 10 PPM	SEX: Male DISP: Moribund Sacrifice	DAY ON TEST: 724 HISTO:
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ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Bone	Bone Marrow	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	Larynx
Lung	Lymph Node - Mandibular	Lymph Node - Mesenteric	Pancreas
Pituitary Gland	Prostate	Salivary Glands	Seminal Vesicle
Skin	Spleen	Stomach - Forestomach	Stomach - Glandular
Thyroid Gland	Trachea	Urinary Bladder	

MISSING

Adrenal Gland - Medulla	Mammary Gland	Parathyroid Gland	Thymus
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OBSERVATIONS

Adrenal Gland Note: ADRENAL TISSUE DEPLETED	Capsule	Hyperplasia	Multifocal, Mild
Brain		Mineralization	Multifocal, Minimal
Liver Note: HEPATOCLR CARC TGLs = 2-5		Hepatocellular Carcinoma	
Nose	Respirat Epith Mucosa	Hyperplasia Inflammation	Moderate Chronic Active, Minimal
Testes Note: ATROPHY TGLs = 5-8	Seminif Tub	Atrophy	Moderate
Tissue NOS Note: TISSUE NOS IS SOFT TISSUE OVER THE NOSE		Inflammation	Chronic Active, Multifocal, Marked

PRIMARY CAUSE OF DEATH	-
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* PROTOCOL REQUIRED TISSUE

Experiment Number: 05070-02

Test Type: CHRONIC

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Vinyl toluene

CAS Number: 25013-15-4

Date Report Requested: 10/23/2014

Time Report Requested: 13:42:42

First Dose M/F: NA / NA

Lab: MIDWEST

ANIMAL ID: 8	TRT#: 4 DOSE: CONTROL	SEX: Male DISP: Terminal Sacrifice	DAY ON TEST: 732 HISTO:
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ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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	Larynx	Liver	Lung
Lymph Node - Mandibular	Lymph Node - Mesenteric	Pancreas	Parathyroid Gland
Prostate	Seminal Vesicle	Skin	Spleen
Stomach - Forestomach	Stomach - Glandular	Testes	Thyroid Gland
Trachea	Urinary Bladder		

MISSING

Mammary Gland	Thymus
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OBSERVATIONS

Adrenal Gland	Capsule	Hyperplasia	Multifocal, Mild
	Cortex	Hypertrophy	Multifocal, Mild
	Medulla	Pheochromocytoma Benign	
Heart	Mitral Valve	Pigmentation	Hemosiderin, Focal, Moderate
Kidney		Hydronephrosis	Moderate
Mammary Gland			
Note: GROSS "MAMMARY MASS" IS LYMPH NODE			
Nose	Mucosa	Inflammation	Acute, Mild
Pituitary Gland	Pars Distalis	Adenoma	
Preputial Gland		Inflammation	Chronic, Moderate
Salivary Glands		Infiltration Cellular	Lymphocyte, Multifocal, Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05070-02

Test Type: CHRONIC

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Vinyl toluene

CAS Number: 25013-15-4

Date Report Requested: 10/23/2014

Time Report Requested: 13:42:42

First Dose M/F: NA / NA

Lab: MIDWEST

ANIMAL ID: 8	TRT#: 5 DOSE: 25 PPM	SEX: Male DISP: Terminal Sacrifice	DAY ON TEST: 732 HISTO:
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ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Bone Marrow
Epididymis	Esophagus	Heart	Intestine Large - Cecum
Intestine Large - Colon	Intestine Large - Rectum	Intestine Small - Duodenum	Intestine Small - Ileum
Intestine Small - Jejunum	Islets, Pancreatic	Kidney	Larynx
Pancreas	Parathyroid Gland	Prostate	Salivary Glands
Seminal Vesicle	Skin	Spleen	Stomach - Forestomach
Stomach - Glandular	Testes	Thymus	Trachea
Urinary Bladder			

MISSING

Gallbladder	Mammary Gland
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OBSERVATIONS

Adrenal Gland	Capsule	Hyperplasia	Multifocal, Moderate
Brain		Mineralization	Multifocal, Minimal
Liver		Hepatodiaphragmatic Nodule	
Note: ANOM HEPAT LOB TGLs = 3-5,			
Lung	Alveolus, Bronchiole	Inflammation	Chronic Active, Multifocal, Mild
Note: INFLAMMATION TGLs = 1-4,			
Lymph Node	Mesenteric	Hemorrhage	Mild
	Mandibular	Hyperplasia	Reticulum Cell, Mild
	Mesenteric	Hyperplasia	Reticulum Cell, Moderate
Nose	Respirat Epith	Hyperplasia	Moderate
	Mucosa	Inflammation	Chronic Active, Moderate
Pituitary Gland	Pars Distalis	Cyst	Mild
Thyroid Gland		Ultimobranchial Cyst	

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05070-02

Test Type: CHRONIC

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Vinyl toluene

CAS Number: 25013-15-4

Date Report Requested: 10/23/2014

Time Report Requested: 13:42:42

First Dose M/F: NA / NA

Lab: MIDWEST

ANIMAL ID: 8	TRT#: 6 DOSE: 10 PPM	SEX: Male DISP: Natural Death	DAY ON TEST: 632 HISTO:
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ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Brain
Epididymis	Esophagus	Gallbladder	Heart
Intestine Large - Colon	Intestine Large - Rectum	Intestine Small - Duodenum	Intestine Small - Ileum
Intestine Small - Jejunum	Islets, Pancreatic	Larynx	Lymph Node - Mandibular
Pancreas	Parathyroid Gland	Pituitary Gland	Prostate
Salivary Glands	Seminal Vesicle	Stomach - Forestomach	Stomach - Glandular
Testes	Thyroid Gland	Trachea	Urinary Bladder

MISSING

Mammary Gland	Thymus
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OBSERVATIONS

Bone Marrow		Lymphoma Malignant Histiocytic	
Intestine Large	Cecum	Lymphoma Malignant Histiocytic	
Note: LYMPH MAL HIST TGLs = 3-7			
Kidney		Lymphoma Malignant Histiocytic	
Liver		Hepatocellular Carcinoma	
		Lymphoma Malignant Histiocytic	
		Necrosis	Acute, Multifocal, Marked
Note: HEPATOCLR CARC TGLs = 8-5			
Note: LYMPH MAL HIST TGLs = 7+9-5			
Note: NECROSIS TGLs = 7-5			
Lung	Alveolar Epith	Hyperplasia	Focal, Mild
Lymph Node	Mesenteric	Hemorrhage	Marked
	Mesenteric	Lymphoma Malignant Histiocytic	
Note: HEMORRHAGE TGLs = 4-7			
Nose	Respirat Epith	Hyperplasia	Moderate
	Mucosa	Inflammation	Chronic Active, Mild
Skin	Subcut Tiss	Edema	Mild
Note: EDEMA TGLs = 2-7			
Spleen		Lymphoma Malignant Histiocytic	
Note: LYMPH MAL HIST TGLs = 5+6-5			

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05070-02
Test Type: CHRONIC
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Vinyl toluene
CAS Number: 25013-15-4

Date Report Requested: 10/23/2014
Time Report Requested: 13:42:42
First Dose M/F: NA / NA
Lab: MIDWEST

ANIMAL ID: 8	TRT#: 6 DOSE: 10 PPM	SEX: Male DISP: Natural Death	DAY ON TEST: 632 HISTO:
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ORGAN AND ACCOUNTABLE SITE STATUS

PRIMARY CAUSE OF DEATH	-
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* PROTOCOL REQUIRED TISSUE

Experiment Number: 05070-02

Test Type: CHRONIC

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Vinyl toluene

CAS Number: 25013-15-4

Date Report Requested: 10/23/2014

Time Report Requested: 13:42:42

First Dose M/F: NA / NA

Lab: MIDWEST

ANIMAL ID: 9	TRT#: 4 DOSE: CONTROL	SEX: Male DISP: Terminal Sacrifice	DAY ON TEST: 732 HISTO:
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ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Medulla	Bone	Bone Marrow	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	Larynx
Lung	Lymph Node - Mandibular	Lymph Node - Mesenteric	Parathyroid Gland
Pituitary Gland	Prostate	Seminal Vesicle	Skin
Spleen	Stomach - Forestomach	Stomach - Glandular	Testes
Thymus	Thyroid Gland	Trachea	Urinary Bladder

MISSING

Mammary Gland

OBSERVATIONS

Adrenal Gland	Capsule Cortex	Hyperplasia Hypertrophy Mineralization	Multifocal, Mild Multifocal, Mild Multifocal, Moderate
Brain		Hepatocellular Carcinoma	
Liver			
Note: HEPATOCLR CARC TGLs = 1-10,			
Nose	Respirat Epith	Hyperplasia	Minimal
Pancreas	Acinus	Hyperplasia	Focal, Moderate
Preputial Gland		Cyst Multilocular Inflammation	Chronic Active, Moderate
Salivary Glands		Infiltration Cellular	Lymphocyte, Multifocal, Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05070-02
Test Type: CHRONIC
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Vinyl toluene
CAS Number: 25013-15-4

Date Report Requested: 10/23/2014
Time Report Requested: 13:42:42
First Dose M/F: NA / NA
Lab: MIDWEST

ANIMAL ID: 9 TRT#: 5 SEX: Male DAY ON TEST: 731
DOSE: 25 PPM DISP: Terminal Sacrifice HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Medulla	Bone	Bone Marrow	Epididymis
Esophagus	Gallbladder	Heart	Intestine Large - Colon
Intestine Large - Rectum	Intestine Small - Duodenum	Intestine Small - Ileum	Intestine Small - Jejunum
Islets, Pancreatic	Kidney	Larynx	Lymph Node - Mandibular
Pancreas	Parathyroid Gland	Pituitary Gland	Prostate
Seminal Vesicle	Skin	Spleen	Stomach - Forestomach
Stomach - Glandular	Testes	Thyroid Gland	Trachea
Urinary Bladder			

MISSING

Intestine Large - Cecum	Mammary Gland	Thymus
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OBSERVATIONS

Adrenal Gland	Capsule	Hyperplasia	Multifocal, Mild
	Cortex	Hypertrophy	Focal, Mild
Brain		Mineralization	Multifocal, Mild
Liver		Hepatocellular Carcinoma	
Note: HEPATOCLR CARC TGLs = 1-10,			
Lung	Alveolus, Bronchiole	Inflammation	Chronic Active, Multifocal, Mild
Nose	Respirat Epith	Hyperplasia	Marked
	Mucosa	Inflammation	Chronic Active, Moderate
Salivary Glands		Infiltration Cellular	Lymphocyte, Multifocal, Mild

PRIMARY CAUSE OF DEATH

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* PROTOCOL REQUIRED TISSUE

Experiment Number: 05070-02

Test Type: CHRONIC

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Vinyl toluene

CAS Number: 25013-15-4

Date Report Requested: 10/23/2014

Time Report Requested: 13:42:42

First Dose M/F: NA / NA

Lab: MIDWEST

ANIMAL ID: 9	TRT#: 6 DOSE: 10 PPM	SEX: Male DISP: Moribund Sacrifice	DAY ON TEST: 574 HISTO:
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ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - 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	Stomach - Forestomach
Stomach - Glandular	Testes	Thymus	Thyroid Gland
Trachea	Urinary Bladder		

MISSING

Larynx	Mammary Gland
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OBSERVATIONS

Adrenal Gland	Cortex	Hypertrophy	Focal, Mild
Bone			
Note: BONE IS STERNUM			
Kidney		Nephropathy	Chronic, Minimal
Liver		Hepatocellular Carcinoma	Multiple
Note: HEPATOCLR CARC TGLs = 1+2+3-8+8.1+8.2			
Note: THERE ARE 2 SLIDE/BLOCKS #8.			
Note: SLIDE 8.1 IS ACTUALLY 8A, 8.2 IS 8B			
Lung		Hepatocellular Carcinoma	Metastatic (Liver)
Lymph Node	Mesenteric	Hemorrhage	Mild
Nose	Respirat Epith	Hyperplasia	Moderate
	Mucosa	Inflammation	Chronic Active, Minimal
Spleen		Hematopoietic Cell Proliferation	Moderate

PRIMARY CAUSE OF DEATH	-
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* PROTOCOL REQUIRED TISSUE

Experiment Number: 05070-02
Test Type: CHRONIC
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Vinyl toluene
CAS Number: 25013-15-4

Date Report Requested: 10/23/2014
Time Report Requested: 13:42:42
First Dose M/F: NA / NA
Lab: MIDWEST

ANIMAL ID: 10	TRT#: 4 DOSE: CONTROL	SEX: Male DISP: Terminal Sacrifice	DAY ON TEST: 732 HISTO:
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ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - 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	Larynx	Liver	Lung
Lymph Node - Mandibular	Mammary Gland	Nose	Pancreas
Parathyroid Gland	Pituitary Gland	Prostate	Salivary Glands
Seminal Vesicle	Skin	Spleen	Stomach - Forestomach
Stomach - Glandular	Testes	Thymus	Thyroid Gland
Trachea	Urinary Bladder		

OBSERVATIONS

Adrenal Gland	Capsule	Hyperplasia	Multifocal, Mild
Lymph Node	Mesenteric	Lymphoma Malignant Mixed	

Note: LYMPH MAL MIXD TGLs = 3-7,

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05070-02

Test Type: CHRONIC

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Vinyl toluene

CAS Number: 25013-15-4

Date Report Requested: 10/23/2014

Time Report Requested: 13:42:42

First Dose M/F: NA / NA

Lab: MIDWEST

ANIMAL ID: 10

TRT#: 5

SEX: Male

DAY ON TEST: 731

DOSE: 25 PPM

DISP: Terminal Sacrifice

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Bone Marrow
Epididymis	Esophagus	Gallbladder	Intestine Large - Colon
Intestine Large - Rectum	Intestine Small - Duodenum	Intestine Small - Ileum	Intestine Small - Jejunum
Islets, Pancreatic	Larynx	Liver	Pancreas
Pituitary Gland	Prostate	Seminal Vesicle	Skin
Spleen	Stomach - Forestomach	Stomach - Glandular	Thymus
Thyroid Gland	Trachea	Urinary Bladder	

MISSING

Mammary Gland	Parathyroid Gland
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OBSERVATIONS

Adrenal Gland	Capsule	Hyperplasia	Multifocal, Marked
Brain		Mineralization	Multifocal, Minimal
Heart		Cardiomyopathy	Minimal
Intestine Large	Cecum	Hyperplasia	Lymphoid, Focal, Moderate
Kidney		Nephropathy	Chronic, Mild
Lung	Alveolus, Bronchiole	Inflammation	Chronic Active, Multifocal, Minimal
Lymph Node	Mandibular	Hyperplasia	Lymphoid, Mild
Mesentery		Infiltration Cellular	Lymphocyte, Multifocal, Mild
Nose	Respirat Epith	Hyperplasia	Moderate
	Mucosa	Inflammation	Chronic Active, Mild
Salivary Glands		Infiltration Cellular	Lymphocyte, Multifocal, Moderate
Testes	Seminif Tub	Atrophy	Moderate

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05070-02
Test Type: CHRONIC
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Vinyl toluene
CAS Number: 25013-15-4

Date Report Requested: 10/23/2014
Time Report Requested: 13:42:42
First Dose M/F: NA / NA
Lab: MIDWEST

ANIMAL ID: 10	TRT#: 6 DOSE: 10 PPM	SEX: Male DISP: Moribund Sacrifice	DAY ON TEST: 676 HISTO:
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ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL			
Gallbladder	Seminal Vesicle	Skin	Urinary Bladder
OBSERVATIONS			
Lung	Bronchiole Alveolus, Bronchiole	Hyperplasia Inflammation	Multifocal, Mild Chronic Active, Focal, Mild
[Hyperplasia TGLS = 3-3.1] Nose	Respirat Epith Mucosa	Hyperplasia Inflammation	Moderate Chronic Active, Minimal
PRIMARY CAUSE OF DEATH	-		

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05070-02
Test Type: CHRONIC
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Vinyl toluene
CAS Number: 25013-15-4

Date Report Requested: 10/23/2014
Time Report Requested: 13:42:42
First Dose M/F: NA / NA
Lab: MIDWEST

ANIMAL ID: 11	TRT#: 4 DOSE: CONTROL	SEX: Male DISP: Terminal Sacrifice	DAY ON TEST: 735 HISTO:
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ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Bone Marrow
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
Larynx	Liver	Lymph Node - Mandibular	Mammary Gland
Nose	Pancreas	Parathyroid Gland	Pituitary Gland
Prostate	Salivary Glands	Seminal Vesicle	Skin
Spleen	Stomach - Glandular	Testes	Thymus
Thyroid Gland	Trachea	Urinary Bladder	

OBSERVATIONS

Brain		Mineralization	Multifocal, Moderate
Lung		Alveolar/Bronchiolar Carcinoma	
Note: ALV BRON CARC	TGLs = 3-10,		
Lymph Node		Hemorrhage	Moderate
Note: HEMORRHAGE	TGLs = 2-7,		
Stomach	Epithelium, Forestomach	Hyperplasia	Focal, Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05070-02
Test Type: CHRONIC
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Vinyl toluene
CAS Number: 25013-15-4

Date Report Requested: 10/23/2014
Time Report Requested: 13:42:42
First Dose M/F: NA / NA
Lab: MIDWEST

ANIMAL ID: 11	TRT#: 5 DOSE: 25 PPM	SEX: Male DISP: Terminal Sacrifice	DAY ON TEST: 735 HISTO:
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ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - 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
Larynx	Liver	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	Urinary Bladder		

MISSING

Mammary Gland

OBSERVATIONS

Adrenal Gland	Capsule	Hyperplasia	Multifocal, Marked
	Cortex	Hypertrophy	Focal, Marked
Lung	Alveolus, Bronchiole	Inflammation	Chronic Active, Multifocal, Mild
Note: INFLAMMATION TGLs = 3-4,			
Nose	Respirat Epith	Hyperplasia	Marked
	Mucosa	Inflammation	Chronic Active, Moderate
Trachea	Glands	Hyperplasia	Diffuse, Moderate

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05070-02
Test Type: CHRONIC
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Vinyl toluene
CAS Number: 25013-15-4

Date Report Requested: 10/23/2014
Time Report Requested: 13:42:42
First Dose M/F: NA / NA
Lab: MIDWEST

ANIMAL ID: 11	TRT#: 6 DOSE: 10 PPM	SEX: Male DISP: Terminal Sacrifice	DAY ON TEST: 735 HISTO:
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ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Intestine Small - Duodenum

Intestine Small - Ileum

Liver

OBSERVATIONS

Intestine Small

Jejunum

Lymphoma Malignant Mixed

Note: LYMPH MAL MIXD TGLs = 2-3

Lung

Bronchiole

Hyperplasia

Multifocal, Minimal

Lymph Node

Mesenteric

Lymphoma Malignant Mixed

Note: LYMPH MAL MIXD TGLs = 1-3

Nose

Respirat Epith

Hyperplasia

Moderate

Mucosa

Inflammation

Chronic Active, Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05070-02

Test Type: CHRONIC

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Vinyl toluene

CAS Number: 25013-15-4

Date Report Requested: 10/23/2014

Time Report Requested: 13:42:42

First Dose M/F: NA / NA

Lab: MIDWEST

ANIMAL ID: 12

TRT#: 4

SEX: Male

DAY ON TEST: 734

DOSE: CONTROL

DISP: Terminal Sacrifice

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Medulla
Esophagus
Intestine Large - Colon
Intestine Small - Jejunum
Lymph Node - Mandibular
Parathyroid Gland
Seminal Vesicle
Stomach - Glandular
Trachea

Bone
Gallbladder
Intestine Large - Rectum
Islets, Pancreatic
Lymph Node - Mesenteric
Pituitary Gland
Skin
Testes
Urinary Bladder

Bone Marrow
Heart
Intestine Small - Duodenum
Kidney
Nose
Prostate
Spleen
Thymus

Epididymis
Intestine Large - Cecum
Intestine Small - Ileum
Lung
Pancreas
Salivary Glands
Stomach - Forestomach
Thyroid Gland

MISSING

Mammary Gland

OBSERVATIONS

Adrenal Gland

Brain
Larynx
Liver

Capsule
Cortex

Hyperplasia
Hyperplasia
Mineralization
Inflammation
Syncytial Alteration

Multifocal, Marked
Multifocal, Moderate
Multifocal, Mild
Chronic, Focal, Mild
Multifocal, Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05070-02

Test Type: CHRONIC

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Vinyl toluene

CAS Number: 25013-15-4

Date Report Requested: 10/23/2014

Time Report Requested: 13:42:42

First Dose M/F: NA / NA

Lab: MIDWEST

ANIMAL ID: 12

TRT#: 5

SEX: Male

DAY ON TEST: 735

DOSE: 25 PPM

DISP: Terminal Sacrifice

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - 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	Larynx	Liver	Lymph Node - Mandibular
Lymph Node - Mesenteric	Parathyroid Gland	Seminal Vesicle	Skin
Spleen	Stomach - Forestomach	Stomach - Glandular	Testes
Thymus	Thyroid Gland	Trachea	Urinary Bladder

MISSING

Mammary Gland	Prostate
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OBSERVATIONS

Adrenal Gland	Capsule	Hyperplasia	Multifocal, Moderate
Lung	Alveolus, Bronchiole	Inflammation	Chronic Active, Multifocal, Mild
Nose	Respirat Epith	Hyperplasia	Marked
	Mucosa	Inflammation	Chronic Active, Mild
Pancreas		Infiltration Cellular	Lymphocyte, Multifocal, Mild
Pituitary Gland	Pars Distalis	Cyst	Mild
Salivary Glands		Infiltration Cellular	Lymphocyte, Multifocal, Moderate

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05070-02
Test Type: CHRONIC
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Vinyl toluene
CAS Number: 25013-15-4

Date Report Requested: 10/23/2014
Time Report Requested: 13:42:42
First Dose M/F: NA / NA
Lab: MIDWEST

ANIMAL ID: 12

TRT#: 6

SEX: Male

DAY ON TEST: 735

DOSE: 10 PPM

DISP: Terminal Sacrifice

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Skin

OBSERVATIONS

Lung [Alveolar/Bronchiolar Adenoma TGLS = 2-1] Alveolar/Bronchiolar Adenoma

Nose Respirat Epith Hyperplasia Mild
Mucosa Inflammation Chronic Active, Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05070-02

Test Type: CHRONIC

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Vinyl toluene

CAS Number: 25013-15-4

Date Report Requested: 10/23/2014

Time Report Requested: 13:42:42

First Dose M/F: NA / NA

Lab: MIDWEST

ANIMAL ID: 13

TRT#: 4

SEX: Male

DAY ON TEST: 529

DOSE: CONTROL

DISP: Natural Death

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex
Epididymis
Intestine Large - Rectum
Kidney
Nose
Salivary Glands
Stomach - Glandular
Urinary Bladder

Adrenal Gland - Medulla
Esophagus
Intestine Small - Duodenum
Larynx
Parathyroid Gland
Seminal Vesicle
Testes

Bone
Gallbladder
Intestine Small - Jejunum
Lung
Pituitary Gland
Skin
Thyroid Gland

Bone Marrow
Intestine Large - Colon
Islets, Pancreatic
Lymph Node - Mandibular
Prostate
Stomach - Forestomach
Trachea

MISSING

Intestine Large - Cecum

Mammary Gland

Thymus

AUTO PRECLUDES DIAG.

Intestine Small - Ileum

OBSERVATIONS

Adrenal Gland
Brain
Heart
Liver

Capsule
Ventricl Lft

Hyperplasia
Mineralization
Inflammation
Anisokaryosis
Hemangiosarcoma

Multifocal, Mild
Multifocal, Moderate
Subacute, Focal, Moderate
Moderate
Multiple

Note: HEMANGIOSARC TGLs = 3-8,
Note: HEMANGIOSARC TGLs = 4-8,

Lymph Node

Mesenteric
Mesenteric

Hemorrhage
Hyperplasia

Moderate
Reticulum Cell, Moderate

Note: HEMORRHAGE TGLs = 1-6,
Note: HYPERPLASIA TGLs = 1-6,

Pancreas
Preputial Gland
Spleen

Artery

Inflammation
Inflammation
Hematopoietic Cell Proliferation

Chronic Active, Focal, Moderate
Chronic, Mild
Moderate

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05070-02

Test Type: CHRONIC

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Vinyl toluene

CAS Number: 25013-15-4

Date Report Requested: 10/23/2014

Time Report Requested: 13:42:42

First Dose M/F: NA / NA

Lab: MIDWEST

ANIMAL ID: 13

TRT#: 5

SEX: Male

DAY ON TEST: 735

DOSE: 25 PPM

DISP: Terminal Sacrifice

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - 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	Liver	Lymph Node - Mandibular	Lymph Node - Mesenteric
Pancreas	Parathyroid Gland	Pituitary Gland	Prostate
Seminal Vesicle	Skin	Spleen	Stomach - Glandular
Testes	Thymus	Thyroid Gland	Trachea
Urinary Bladder			

MISSING

Mammary Gland

OBSERVATIONS

Adrenal Gland	Capsule	Hyperplasia	Multifocal, Moderate
Brain			
Note: POSSIBLE MILD FREEZING ARTIFACT			
Kidney		Nephropathy	Chronic, Minimal
Lung		Infiltration Cellular	Lymphocyte, Multifocal, Minimal
Nose	Respirat Epith Mucosa	Hyperplasia Inflammation	Marked Chronic Active, Marked
Preputial Gland		Cyst	Moderate
Salivary Glands		Infiltration Cellular	Lymphocyte, Focal, Mild
Stomach	Epithelium, Forestomach	Hyperplasia	Focal, Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05070-02
Test Type: CHRONIC
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Vinyl toluene
CAS Number: 25013-15-4

Date Report Requested: 10/23/2014
Time Report Requested: 13:42:42
First Dose M/F: NA / NA
Lab: MIDWEST

ANIMAL ID: 14	TRT#: 4 DOSE: CONTROL	SEX: Male DISP: Terminal Sacrifice	DAY ON TEST: 733 HISTO:
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ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Bone Marrow
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
Larynx	Lung	Lymph Node - Mandibular	Mammary Gland
Nose	Pancreas	Parathyroid Gland	Pituitary Gland
Prostate	Salivary Glands	Seminal Vesicle	Skin
Spleen	Stomach - Forestomach	Stomach - Glandular	Testes
Thymus	Thyroid Gland	Trachea	Urinary Bladder

OBSERVATIONS

Adrenal Gland	Capsule	Hyperplasia	Multifocal, Mild
Brain		Mineralization	Multifocal, Mild
Liver		Hepatocellular Adenoma	
Note: HEPATOCLR ADEN TGLs = 2-5,			
Lymph Node	Mesenteric	Hemorrhage	Moderate

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05070-02
Test Type: CHRONIC
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Vinyl toluene
CAS Number: 25013-15-4

Date Report Requested: 10/23/2014
Time Report Requested: 13:42:42
First Dose M/F: NA / NA
Lab: MIDWEST

ANIMAL ID: 14	TRT#: 5 DOSE: 25 PPM	SEX: Male DISP: Terminal Sacrifice	DAY ON TEST: 735 HISTO:
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ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - 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
Larynx	Liver	Lung	Lymph Node - Mandibular
Mammary Gland	Pancreas	Parathyroid Gland	Pituitary Gland
Prostate	Seminal Vesicle	Skin	Spleen
Stomach - Forestomach	Stomach - Glandular	Thymus	Thyroid Gland
Trachea	Urinary Bladder		

OBSERVATIONS

Adrenal Gland	Capsule	Hyperplasia	Multifocal, Moderate
	Cortex	Hypertrophy	Focal, Marked
Lymph Node	Mesenteric	Hyperplasia	Reticulum Cell, Moderate
Nose	Respirat Epith	Hyperplasia	Marked
	Mucosa	Inflammation	Chronic Active, Mild
Preputial Gland		Cyst	Mild
Salivary Glands		Infiltration Cellular	Lymphocyte, Multifocal, Mild
Testes	Interstit Cell	Adenoma	

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05070-02
Test Type: CHRONIC
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Vinyl toluene
CAS Number: 25013-15-4

Date Report Requested: 10/23/2014
Time Report Requested: 13:42:42
First Dose M/F: NA / NA
Lab: MIDWEST

ANIMAL ID: 14

TRT#: 6
DOSE: 10 PPM

SEX: Male
DISP: Terminal Sacrifice

DAY ON TEST: 735
HISTO:

OBSERVATIONS

Lung
Lymph Node
 Note: HEMORRHAGE TGLs = 1-3
Nose

Bronchiole
Mesenteric

Respirat Epith
Mucosa

Inflammation
Hemorrhage

Hyperplasia
Inflammation

Chronic, Focal, Minimal
Mild

Moderate
Chronic Active, Mild

PRIMARY CAUSE OF DEATH

-

Experiment Number: 05070-02

Test Type: CHRONIC

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Vinyl toluene

CAS Number: 25013-15-4

Date Report Requested: 10/23/2014

Time Report Requested: 13:42:42

First Dose M/F: NA / NA

Lab: MIDWEST

ANIMAL ID: 15

TRT#: 4

SEX: Male

DAY ON TEST: 733

DOSE: CONTROL

DISP: Terminal Sacrifice

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex
Epididymis
Intestine Large - Cecum
Intestine Small - Ileum
Lung
Parathyroid Gland
Skin
Testes
Urinary Bladder

Adrenal Gland - Medulla
Esophagus
Intestine Large - Colon
Intestine Small - Jejunum
Lymph Node - Mandibular
Prostate
Spleen
Thymus

Bone
Gallbladder
Intestine Large - Rectum
Islets, Pancreatic
Nose
Salivary Glands
Stomach - Forestomach
Thyroid Gland

Bone Marrow
Heart
Intestine Small - Duodenum
Larynx
Pancreas
Seminal Vesicle
Stomach - Glandular
Trachea

MISSING

Mammary Gland

Pituitary Gland

OBSERVATIONS

Adrenal Gland
Brain
Kidney
Liver

Capsule
Capsule

Adenoma
Hyperplasia
Mineralization
Infiltration Cellular
Hepatocellular Adenoma

Multiple
Multifocal, Moderate
Multifocal, Mild
Lymphocyte, Multifocal, Minimal
Multiple

Note: HEPATOCLR ADEN TGLs = 2-5+5.1,

Note: HEPATOCLR ADEN TGLs = 4-5+5.1,

Lymph Node

Mesenteric

Hemorrhage

Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05070-02

Test Type: CHRONIC

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Vinyl toluene

CAS Number: 25013-15-4

Date Report Requested: 10/23/2014

Time Report Requested: 13:42:42

First Dose M/F: NA / NA

Lab: MIDWEST

ANIMAL ID: 15

TRT#: 5

SEX: Male

DAY ON TEST: 735

DOSE: 25 PPM

DISP: Terminal Sacrifice

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - 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	Larynx	Lymph Node - Mesenteric	Mammary Gland
Pancreas	Parathyroid Gland	Prostate	Salivary Glands
Seminal Vesicle	Spleen	Stomach - Forestomach	Stomach - Glandular
Testes	Thymus	Trachea	Urinary Bladder

MISSING

Gallbladder	Lymph Node - Mandibular	Pituitary Gland
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OBSERVATIONS

Adrenal Gland	Capsule Cortex	Hyperplasia Hypertrophy	Multifocal, Moderate Focal, Minimal
Islets, Pancreatic		Hyperplasia	Focal, Moderate
Kidney		Infiltration Cellular	Lymphocyte, Focal, Mild
Liver		Hepatocellular Carcinoma	
Note: HEPATOCLR CARC TGLs = 7-5,			
Lung	Alveolus, Bronchiole	Alveolar/Bronchiolar Adenoma Inflammation	Chronic Active, Multifocal, Marked
Note: INFLAMMATION TGLs = 2+3+4+5+6-4+11,			
Note: ALV BRON ADEN TGLs = 3-11,			
Nose	Respirat Epith Mucosa	Hyperplasia Inflammation	Marked Chronic Active, Moderate
Skin		Inflammation	Chronic Active, Mild
Thyroid Gland		Ultimobranchial Cyst	

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05070-02
Test Type: CHRONIC
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Vinyl toluene
CAS Number: 25013-15-4

Date Report Requested: 10/23/2014
Time Report Requested: 13:42:42
First Dose M/F: NA / NA
Lab: MIDWEST

ANIMAL ID: 15	TRT#: 6	SEX: Male	DAY ON TEST: 358
	DOSE: 10 PPM	DISP: Natural Death	HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Brain	Epididymis
Heart	Intestine Large - Cecum	Intestine Large - Colon	Intestine Small - Duodenum
Intestine Small - Ileum	Intestine Small - Jejunum	Islets, Pancreatic	Kidney
Liver	Lymph Node - Mandibular	Pancreas	Pituitary Gland
Prostate	Salivary Glands	Skin	Spleen
Stomach - Forestomach	Stomach - Glandular	Testes	Urinary Bladder

MISSING

Bone	Bone Marrow	Esophagus	Gallbladder
Intestine Large - Rectum	Larynx	Lymph Node - Mesenteric	Mammary Gland
Nose	Parathyroid Gland	Seminal Vesicle	Thymus
Thyroid Gland	Trachea		

OBSERVATIONS

Lung		Alveolar/Bronchiolar Carcinoma	Multiple
	Bronchiole	Hyperplasia	Multifocal, Minimal
		Infiltration Cellular	Histiocyte, Multifocal, Moderate

Note: ALV BRON CARC TGLs = 1-4+12

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05070-02

Test Type: CHRONIC

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Vinyl toluene

CAS Number: 25013-15-4

Date Report Requested: 10/23/2014

Time Report Requested: 13:42:42

First Dose M/F: NA / NA

Lab: MIDWEST

ANIMAL ID: 16

TRT#: 4

SEX: Male

DAY ON TEST: 673

DOSE: CONTROL

DISP: Moribund Sacrifice

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Medulla	Bone	Bone Marrow	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	Nose	Pancreas	Parathyroid Gland
Pituitary Gland	Prostate	Seminal Vesicle	Skin
Spleen	Stomach - Forestomach	Stomach - Glandular	Testes
Thymus	Thyroid Gland	Trachea	Urinary Bladder

MISSING

Mammary Gland

OBSERVATIONS

Adrenal Gland	Capsule	Hyperplasia	Focal, Minimal
	Cortex	Hypertrophy	Focal, Mild
Brain	Meninges	Hamartoma	
Kidney		Infiltration Cellular	Lymphocyte, Multifocal, Mild
Liver		Cyst Multilocular	
Note: CYST MULTILOC TGLs = 5-10,			
Lymph Node	Lumbar	Hemorrhage	Marked
Note: HEMORRHAGE TGLs = 4-12,	Mesenteric	Hemorrhage	Moderate
Preputial Gland		Cyst	
Note: INFLAMMATION TGLs = 3-13,		Inflammation	Chronic Active, Marked
Note: CYST TGLs = 3-13			
Salivary Glands		Infiltration Cellular	Lymphocyte, Multifocal, Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05070-02

Test Type: CHRONIC

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Vinyl toluene

CAS Number: 25013-15-4

Date Report Requested: 10/23/2014

Time Report Requested: 13:42:42

First Dose M/F: NA / NA

Lab: MIDWEST

ANIMAL ID: 16

TRT#: 5

SEX: Male

DAY ON TEST: 735

DOSE: 25 PPM

DISP: Terminal Sacrifice

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Bone Marrow
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
Larynx	Lymph Node - Mandibular	Mammary Gland	Pancreas
Parathyroid Gland	Pituitary Gland	Prostate	Seminal Vesicle
Skin	Spleen	Stomach - Forestomach	Stomach - Glandular
Testes	Thymus	Thyroid Gland	Trachea
Urinary Bladder			

OBSERVATIONS

Adrenal Gland	Capsule	Hyperplasia	Focal, Mild
Brain		Mineralization	Multifocal, Mild
Liver		Syncytial Alteration	Focal, Minimal
Lung	Alveolus, Bronchiole	Inflammation	Chronic Active, Multifocal, Mild
Note: [INFLAMMATION] TGLs = 1-4			
Lymph Node	Mesenteric	Hemorrhage	Mild
Nose	Respirat Epith	Hyperplasia	Marked
	Mucosa	Inflammation	Chronic Active, Moderate
Salivary Glands		Infiltration Cellular	Lymphocyte, Multifocal, Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05070-02
Test Type: CHRONIC
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Vinyl toluene
CAS Number: 25013-15-4

Date Report Requested: 10/23/2014
Time Report Requested: 13:42:43
First Dose M/F: NA / NA
Lab: MIDWEST

ANIMAL ID: 16	TRT#: 6 DOSE: 10 PPM	SEX: Male DISP: Terminal Sacrifice	DAY ON TEST: 734 HISTO:
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ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Skin

OBSERVATIONS

Liver		Hepatocellular Carcinoma	
Note: HEPATOCLR CARC	TGLs = 5-4		
Lung		Alveolar/Bronchiolar Carcinoma	
	Alveolus, Bronchiole	Inflammation	Chronic Active, Multifocal, Moderate
Note: INFLAMMATION	TGLs = 3-1		
[Inflammation TGLS = 2-1]			
Lymph Node	Mesenteric	Hemorrhage	Mild
Note: HEMORRHAGE	TGLs = 4-3		
Nose	Respirat Epith Mucosa	Hyperplasia Inflammation	Moderate Chronic Active, Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05070-02
Test Type: CHRONIC
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Vinyl toluene
CAS Number: 25013-15-4

Date Report Requested: 10/23/2014
Time Report Requested: 13:42:43
First Dose M/F: NA / NA
Lab: MIDWEST

ANIMAL ID: 17

TRT#: 4

SEX: Male

DAY ON TEST: 733

DOSE: CONTROL

DISP: Terminal Sacrifice

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Bone Marrow
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
Lymph Node - Mandibular	Lymph Node - Mesenteric	Nose	Pancreas
Pituitary Gland	Prostate	Seminal Vesicle	Skin
Spleen	Stomach - Forestomach	Stomach - Glandular	Thymus
Thyroid Gland	Trachea	Urinary Bladder	

MISSING

Mammary Gland	Parathyroid Gland
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OBSERVATIONS

Adrenal Gland	Capsule	Hyperplasia	Multifocal, Moderate
Brain		Hydrocephalus	Mild
		Mineralization	Focal, Minimal
Kidney		Infiltration Cellular	Lymphocyte, Multifocal, Mild
Liver		Basophilic Focus	
		Hepatocellular Adenoma	
Lung		Alveolar/Bronchiolar Adenoma	
Note: ALV BRON ADEN	TGLs = 2-4+10,		
Salivary Glands		Infiltration Cellular	Lymphocyte, Multifocal, Mild
Testes	Seminif Tub	Atrophy	Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05070-02
Test Type: CHRONIC
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Vinyl toluene
CAS Number: 25013-15-4

Date Report Requested: 10/23/2014
Time Report Requested: 13:42:43
First Dose M/F: NA / NA
Lab: MIDWEST

ANIMAL ID: 17

TRT#: 5

SEX: Male

DAY ON TEST: 735

DOSE: 25 PPM

DISP: Terminal Sacrifice

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Medulla	Bone	Bone Marrow	Brain
Epididymis	Gallbladder	Heart	Intestine Large - Cecum
Intestine Large - Colon	Intestine Large - Rectum	Intestine Small - Duodenum	Intestine Small - Ileum
Intestine Small - Jejunum	Islets, Pancreatic	Kidney	Larynx
Lymph Node - Mandibular	Mammary Gland	Pancreas	Parathyroid Gland
Pituitary Gland	Prostate	Salivary Glands	Seminal Vesicle
Skin	Spleen	Stomach - Forestomach	Stomach - Glandular
Testes	Thymus	Thyroid Gland	Trachea
Urinary Bladder			

MISSING

Esophagus

OBSERVATIONS

Adrenal Gland	Capsule	Hyperplasia	Multifocal, Moderate
	Cortex	Hyperplasia	Focal, Mild
Liver		Basophilic Focus	Multiple
Lung	Alveolus, Bronchiole	Inflammation	Chronic Active, Multifocal, Minimal
Lymph Node	Mesenteric	Hemorrhage	Moderate
Note: HEMORRHAGE TGLs = 2-7,			
Mesentery	Fat	Hemangiosarcoma	
Note: [HEMANGIOSARC] TGLs = 3-11			
Nose	Respirat Epith	Hyperplasia	Marked
	Mucosa	Inflammation	Chronic Active, Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05070-02
Test Type: CHRONIC
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Vinyl toluene
CAS Number: 25013-15-4

Date Report Requested: 10/23/2014
Time Report Requested: 13:42:43
First Dose M/F: NA / NA
Lab: MIDWEST

ANIMAL ID: 17	TRT#: 6 DOSE: 10 PPM	SEX: Male DISP: Terminal Sacrifice	DAY ON TEST: 734 HISTO:
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ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Heart	Skin
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OBSERVATIONS

Heart			
Note: GROSS FOCUS NOT IN SECTION, RECUT, RETRIM OR WETS			
Kidney	Capsule	Fibrosis	Multifocal, Mild
Note: FIBROSIS TGLs = 6-3.3+3.4			
Lung	Alveolus, Bronchiole	Inflammation	Chronic Active, Multifocal, Moderate
[Inflammation TGLS = 4-1]			
Nose	Respirat Epith Mucosa	Hyperplasia Inflammation	Moderate Chronic Active, Mild
Preputial Gland		Dilatation Inflammation	Moderate Chronic, Mild
Note: DILATATION TGLs = 3-4			

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05070-02

Test Type: CHRONIC

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Vinyl toluene

CAS Number: 25013-15-4

Date Report Requested: 10/23/2014

Time Report Requested: 13:42:43

First Dose M/F: NA / NA

Lab: MIDWEST

ANIMAL ID: 18

TRT#: 4

SEX: Male

DAY ON TEST: 733

DOSE: CONTROL

DISP: Terminal Sacrifice

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Bone Marrow
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	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 Gland	Cortex Capsule	Accessory Adrenal Cortical Nodule Hyperplasia	Multifocal, Marked
Note: 1991 CONVERSION DISCREPANCY. ORIGINAL DIAGNOSIS SITE NOT SPECIFIED.			
Brain		Mineralization	Multifocal, Minimal
Kidney		Cyst	Single, Moderate
Liver		Hepatocellular Adenoma	
Note: HEPATOCLR ADEN TGLs = 3-10,			
Lymph Node	Mesenteric	Lymphoma Malignant Lymphocytic	
Note: LYMPH MAL LYMP TGLs = 2-7+7.1,			
Nose	Mucosa	Inflammation	Acute, Minimal
Preputial Gland		Inflammation	Chronic Active, Marked
Note: INFLAMMATION TGLs = 1-10,			

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05070-02
Test Type: CHRONIC
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Vinyl toluene
CAS Number: 25013-15-4

Date Report Requested: 10/23/2014
Time Report Requested: 13:42:43
First Dose M/F: NA / NA
Lab: MIDWEST

ANIMAL ID: 18

TRT#: 5

SEX: Male

DAY ON TEST: 735

DOSE: 25 PPM

DISP: Terminal Sacrifice

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Medulla	Bone	Bone Marrow	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	Lymph Node - Mandibular
Mammary Gland	Pancreas	Parathyroid Gland	Pituitary Gland
Prostate	Seminal Vesicle	Skin	Spleen
Stomach - Forestomach	Stomach - Glandular	Testes	Thyroid Gland
Trachea	Urinary Bladder		

MISSING

Thymus

OBSERVATIONS

Adrenal Gland	Capsule	Hyperplasia	Multifocal, Mild
	Cortex	Hyperplasia	Multifocal, Moderate
Brain		Mineralization	Multifocal, Moderate
Kidney		Degeneration	Chronic, Focal, Two, Marked
		Degeneration	Chronic, Multifocal, Marked
	Artery	Inflammation	Marked
Note: ISCHEMIC DEGENERATION			
Liver		Hepatocellular Carcinoma	
		Necrosis	Acute, Focal, Marked
Note: HEPATOCLR CARC TGLs = 2-10,			
Lung	Alveolus, Bronchiole	Inflammation	Chronic Active, Multifocal, Minimal
Lymph Node	Mesenteric	Hemorrhage	Moderate
	Mesenteric	Hyperplasia	Lymphoid, Mild
Nose	Respirat Epith	Hyperplasia	Marked
	Mucosa	Inflammation	Chronic Active, Moderate
Salivary Glands		Infiltration Cellular	Lymphocyte, Multifocal, Moderate

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05070-02

Test Type: CHRONIC

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Vinyl toluene

CAS Number: 25013-15-4

Date Report Requested: 10/23/2014

Time Report Requested: 13:42:43

First Dose M/F: NA / NA

Lab: MIDWEST

ANIMAL ID: 18

TRT#: 6

SEX: Male

DAY ON TEST: 434

DOSE: 10 PPM

DISP: Natural Death

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex
Brain
Intestine Large - Colon
Pituitary Gland
Skin
Thyroid Gland

Adrenal Gland - Medulla
Epididymis
Kidney
Prostate
Stomach - Forestomach
Trachea

Bone
Esophagus
Lung
Salivary Glands
Stomach - Glandular
Urinary Bladder

Bone Marrow
Heart
Parathyroid Gland
Seminal Vesicle
Testes

MISSING

Larynx
Thymus

Lymph Node - Mandibular

Lymph Node - Mesenteric

Mammary Gland

AUTO PRECLUDES DIAG.

Intestine Large - Cecum
Intestine Small - Jejunum

Intestine Large - Rectum
Islets, Pancreatic

Intestine Small - Duodenum
Pancreas

Intestine Small - Ileum
Spleen

OBSERVATIONS

Liver
Note: HEPATOCLR CARC TGLs = 1-13
Nose

Respirat Epith
Mucosa

Hepatocellular Carcinoma
Hyperplasia
Inflammation

Mild
Chronic Active, Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05070-02

Test Type: CHRONIC

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Vinyl toluene

CAS Number: 25013-15-4

Date Report Requested: 10/23/2014

Time Report Requested: 13:42:43

First Dose M/F: NA / NA

Lab: MIDWEST

ANIMAL ID: 19

TRT#: 4

SEX: Male

DAY ON TEST: 732

DOSE: CONTROL

DISP: Terminal Sacrifice

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Medulla
Esophagus
Intestine Large - Colon
Islets, Pancreatic
Lung
Pancreas
Seminal Vesicle
Thymus

Bone Marrow
Gallbladder
Intestine Large - Rectum
Kidney
Lymph Node - Mandibular
Parathyroid Gland
Skin
Thyroid Gland

Brain
Heart
Intestine Small - Duodenum
Larynx
Mammary Gland
Pituitary Gland
Stomach - Forestomach
Trachea

Epididymis
Intestine Large - Cecum
Intestine Small - Ileum
Liver
Nose
Prostate
Stomach - Glandular
Urinary Bladder

MISSING

Intestine Small - Jejunum

OBSERVATIONS

Adrenal Gland

Capsule
Cortex

Hyperplasia
Hypertrophy
Developmental Malformation

Multifocal, Moderate
Focal, Mild

Bone

Sternum

Developmental Malformation

Note: DEVELOP MALFOR TGLs = 3-10,

Lymph Node

Mesenteric

Hemorrhage

Moderate

Note: HEMORRHAGE TGLs = 4-7,

Preputial Gland

Abscess
Cyst

Moderate

Note: ABSCESS TGLs = 2-11,

Salivary Glands

Infiltration Cellular

Lymphocyte, Multifocal, Mild

Spleen

Hyperplasia

Lymphoid, Moderate

Testes

Seminif Tub

Atrophy

Moderate

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05070-02

Test Type: CHRONIC

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Vinyl toluene

CAS Number: 25013-15-4

Date Report Requested: 10/23/2014

Time Report Requested: 13:42:43

First Dose M/F: NA / NA

Lab: MIDWEST

ANIMAL ID: 19

TRT#: 5

SEX: Male

DAY ON TEST: 734

DOSE: 25 PPM

DISP: Terminal Sacrifice

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Bone Marrow
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
Larynx	Liver	Lymph Node - Mandibular	Mammary Gland
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 - Mesenteric

OBSERVATIONS

Adrenal Gland	Capsule	Hyperplasia	Multifocal, Moderate
Brain		Mineralization	Multifocal, Mild
Lung	Alveolus	Infiltration Cellular	Histiocyte, Multifocal, Mild
	Alveolus	Inflammation	Chronic Active, Multifocal, Mild
Nose	Respirat Epith	Hyperplasia	Marked
	Mucosa	Inflammation	Chronic Active, Marked
Spleen		Angiectasis	Multifocal, Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05070-02
Test Type: CHRONIC
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Vinyl toluene
CAS Number: 25013-15-4

Date Report Requested: 10/23/2014
Time Report Requested: 13:42:43
First Dose M/F: NA / NA
Lab: MIDWEST

ANIMAL ID: 19	TRT#: 6 DOSE: 10 PPM	SEX: Male DISP: Terminal Sacrifice	DAY ON TEST: 733 HISTO:
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ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Lung	Skin
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OBSERVATIONS

Liver		Hepatocellular Adenoma	
Note: [HEPATOCLR ADEN]	TGLs = 3-4		
Lymph Node	Mesenteric	Hematopoietic Cell Proliferation	Mild
	Mesenteric	Hemorrhage	Moderate
Note: HEMORRHAGE	TGLs = 2-3		
Nose	Respirat Epith	Hyperplasia	Moderate
	Mucosa	Inflammation	Chronic Active, Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05070-02

Test Type: CHRONIC

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Vinyl toluene

CAS Number: 25013-15-4

Date Report Requested: 10/23/2014

Time Report Requested: 13:42:43

First Dose M/F: NA / NA

Lab: MIDWEST

ANIMAL ID: 20

TRT#: 4

SEX: Male

DAY ON TEST: 607

DOSE: CONTROL

DISP: Natural Death

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex
Brain
Intestine Large - Colon
Lymph Node - Mandibular
Prostate
Stomach - Glandular

Adrenal Gland - Medulla
Epididymis
Islets, Pancreatic
Nose
Seminal Vesicle
Testes

Bone
Heart
Kidney
Pancreas
Skin
Thymus

Bone Marrow
Intestine Large - Cecum
Lung
Pituitary Gland
Stomach - Forestomach
Urinary Bladder

MISSING

Esophagus
Lymph Node - Mesenteric
Trachea

Gallbladder
Mammary Gland

Intestine Large - Rectum
Parathyroid Gland

Larynx
Thyroid Gland

AUTO PRECLUDES DIAG.

Intestine Small

OBSERVATIONS

Adrenal Gland
Liver

Capsule
Hepatocyte, Median Lobe
Median Lobe
Median Lobe
Median Lobe

Hyperplasia
Atrophy
Congestion
Fibrosis
Thrombosis

Multifocal, Mild
Diffuse, Marked
Diffuse, Marked
Moderate
Marked

Note: CONGESTION TGLs = 2-10,
Salivary Glands
Spleen

Infiltration Cellular
Hematopoietic Cell Proliferation

Lymphocyte, Multifocal, Minimal
Moderate

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05070-02
Test Type: CHRONIC
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Vinyl toluene
CAS Number: 25013-15-4

Date Report Requested: 10/23/2014
Time Report Requested: 13:42:43
First Dose M/F: NA / NA
Lab: MIDWEST

ANIMAL ID: 20	TRT#: 5 DOSE: 25 PPM	SEX: Male DISP: Terminal Sacrifice	DAY ON TEST: 734 HISTO:
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ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Medulla	Bone	Bone Marrow	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	Larynx
Liver	Lymph Node - Mandibular	Mammary Gland	Pancreas
Parathyroid Gland	Pituitary Gland	Prostate	Salivary Glands
Seminal Vesicle	Skin	Spleen	Stomach - Forestomach
Stomach - Glandular	Testes	Thyroid Gland	Trachea
Urinary Bladder			

MISSING

Lymph Node - Mesenteric	Thymus
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OBSERVATIONS

Adrenal Gland	Capsule	Hyperplasia	Multifocal, Mild
	Cortex	Hyperplasia	Focal, Mild
Brain		Mineralization	Multifocal, Minimal
Lung	Alveolus, Bronchiole	Inflammation	Chronic Active, Multifocal, Moderate
Nose	Respirat Epith	Hyperplasia	Marked
	Mucosa	Inflammation	Chronic Active, Moderate

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05070-02
Test Type: CHRONIC
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Vinyl toluene
CAS Number: 25013-15-4

Date Report Requested: 10/23/2014
Time Report Requested: 13:42:43
First Dose M/F: NA / NA
Lab: MIDWEST

ANIMAL ID: 20

TRT#: 6

SEX: Male

DAY ON TEST: 733

DOSE: 10 PPM

DISP: Terminal Sacrifice

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Lung

OBSERVATIONS

Nose

Respirat Epith

Hyperplasia

Mild

Mucosa

Inflammation

Chronic Active, Minimal

Skin

Hair Follicle, Scrotal

Hyperplasia

Focal, Mild

Scrotal

Pigmentation

Melanin, Focal, Marked

Note: PIGMENT TGLs = 2-3

PRIMARY CAUSE OF DEATH

-

Experiment Number: 05070-02

Test Type: CHRONIC

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Vinyl toluene

CAS Number: 25013-15-4

Date Report Requested: 10/23/2014

Time Report Requested: 13:42:43

First Dose M/F: NA / NA

Lab: MIDWEST

ANIMAL ID: 21

TRT#: 4

SEX: Male

DAY ON TEST: 732

DOSE: CONTROL

DISP: Terminal Sacrifice

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Medulla	Bone	Bone Marrow	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	Liver
Lymph Node - Mandibular	Nose	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

Adrenal Gland	Capsule	Hyperplasia	Multifocal, Mild
	Cortex	Hyperplasia	Focal, Moderate
Brain		Mineralization	Multifocal, Mild
Kidney		Infiltration Cellular	Lymphocyte, Focal, Minimal
Lung		Infiltration Cellular	Lymphocyte, Multifocal, Minimal
Lymph Node	Mesenteric	Hemorrhage	Mild
Pituitary Gland	Pars Distalis	Cyst	Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05070-02

Test Type: CHRONIC

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Vinyl toluene

CAS Number: 25013-15-4

Date Report Requested: 10/23/2014

Time Report Requested: 13:42:43

First Dose M/F: NA / NA

Lab: MIDWEST

ANIMAL ID: 21

TRT#: 5

SEX: Male

DAY ON TEST: 733

DOSE: 25 PPM

DISP: Terminal Sacrifice

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Medulla	Bone	Bone Marrow	Epididymis
Esophagus	Gallbladder	Heart	Intestine Large - Cecum
Intestine Large - Rectum	Intestine Small - Duodenum	Intestine Small - Ileum	Intestine Small - Jejunum
Kidney	Larynx	Liver	Lymph Node - Mandibular
Pancreas	Pituitary Gland	Prostate	Salivary Glands
Seminal Vesicle	Skin	Spleen	Stomach - Forestomach
Stomach - Glandular	Testes	Thymus	Thyroid Gland
Trachea	Urinary Bladder		

MISSING

Intestine Large - Colon	Mammary Gland	Parathyroid Gland
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OBSERVATIONS

Adrenal Gland	Capsule	Hyperplasia	Multifocal, Mild
	Cortex	Hyperplasia	Multifocal, Minimal
Brain		Mineralization	Multifocal, Minimal
Islets, Pancreatic		Adenoma	
Note: ADENOMA NOT IN RECUT SECTION			
Lung	Alveolus, Bronchiole	Alveolar/Bronchiolar Adenoma	
		Inflammation	Chronic Active, Multifocal, Mild
Note: ALV BRON ADEN NOT RELATED TO INFLAMMATORY LESIONS			
Note: ALV BRON ADEN TGLs = 3-4,			
Lymph Node	Mesenteric	Hemorrhage	Mild
	Mesenteric	Hyperplasia	Lymphoid, Mild
Note: HEMORRHAGE TGLs = 4-7,			
Nose	Respirat Epith	Hyperplasia	Marked
	Mucosa	Inflammation	Chronic Active, Moderate
Preputial Gland		Cyst	Moderate

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05070-02
Test Type: CHRONIC
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Vinyl toluene
CAS Number: 25013-15-4

Date Report Requested: 10/23/2014
Time Report Requested: 13:42:43
First Dose M/F: NA / NA
Lab: MIDWEST

ANIMAL ID: 21	TRT#: 6 DOSE: 10 PPM	SEX: Male DISP: Terminal Sacrifice	DAY ON TEST: 732 HISTO:
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ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL			
Lung		Urinary Bladder	

OBSERVATIONS			
Lymph Node Note: HEMORRHAGE	TGLs = 2-3	Mesenteric	Hemorrhage
Nose		Respirat Epith Mucosa	Mild Moderate Chronic Active, Mild

PRIMARY CAUSE OF DEATH	-
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* PROTOCOL REQUIRED TISSUE

Experiment Number: 05070-02
Test Type: CHRONIC
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Vinyl toluene
CAS Number: 25013-15-4

Date Report Requested: 10/23/2014
Time Report Requested: 13:42:43
First Dose M/F: NA / NA
Lab: MIDWEST

ANIMAL ID: 22	TRT#: 4 DOSE: CONTROL	SEX: Male DISP: Accidentally Killed	DAY ON TEST: 266 HISTO:
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ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Bone Marrow
Brain	Epididymis	Esophagus	Gallbladder
Heart	Intestine Large - Colon	Intestine Small - Duodenum	Intestine Small - Ileum
Intestine Small - Jejunum	Islets, Pancreatic	Kidney	Larynx
Liver	Lung	Nose	Pancreas
Pituitary Gland	Preputial Gland	Prostate	Salivary Glands
Seminal Vesicle	Skin	Spleen	Stomach - Forestomach
Stomach - Glandular	Testes	Thymus	Thyroid Gland
Trachea	Urinary Bladder		

MISSING

Intestine Large - Cecum	Intestine Large - Rectum	Lymph Node - Mandibular	Lymph Node - Mesenteric
Mammary Gland	Parathyroid Gland		

OBSERVATIONS

Adrenal Gland	Capsule	Hyperplasia	Focal, Minimal
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PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05070-02

Test Type: CHRONIC

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Vinyl toluene

CAS Number: 25013-15-4

Date Report Requested: 10/23/2014

Time Report Requested: 13:42:43

First Dose M/F: NA / NA

Lab: MIDWEST

ANIMAL ID: 22

TRT#: 5

SEX: Male

DAY ON TEST: 733

DOSE: 25 PPM

DISP: Terminal Sacrifice

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Bone Marrow
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
Larynx	Liver	Lung	Lymph Node - Mesenteric
Pancreas	Parathyroid Gland	Pituitary Gland	Prostate
Seminal Vesicle	Skin	Spleen	Stomach - Forestomach
Stomach - Glandular	Testes	Thymus	Thyroid Gland
Trachea	Urinary Bladder		

MISSING

Lymph Node - Mandibular	Mammary Gland
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OBSERVATIONS

Adrenal Gland	Capsule	Hyperplasia	Multifocal, Moderate
Brain		Mineralization	Multifocal, Mild
Nose	Respirat Epith	Hyperplasia	Marked
	Mucosa	Inflammation	Chronic Active, Mild
Salivary Glands		Infiltration Cellular	Lymphocyte, Multifocal, Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05070-02
Test Type: CHRONIC
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Vinyl toluene
CAS Number: 25013-15-4

Date Report Requested: 10/23/2014
Time Report Requested: 13:42:43
First Dose M/F: NA / NA
Lab: MIDWEST

ANIMAL ID: 22	TRT#: 6 DOSE: 10 PPM	SEX: Male DISP: Terminal Sacrifice	DAY ON TEST: 732 HISTO:
OBSERVATIONS			
Lung	Alveolus, Bronchiole	Alveolar/Bronchiolar Adenoma Inflammation	Chronic Active, Multifocal, Moderate
Note: [ALV BRON ADEN] TGLs = 1-1 [Inflammation TGLS = 2+3-1]			
Nose	Respirat Epith Mucosa	Hyperplasia Inflammation	Moderate Chronic Active, Moderate
PRIMARY CAUSE OF DEATH -			

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05070-02
Test Type: CHRONIC
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Vinyl toluene
CAS Number: 25013-15-4

Date Report Requested: 10/23/2014
Time Report Requested: 13:42:43
First Dose M/F: NA / NA
Lab: MIDWEST

ANIMAL ID: 23	TRT#: 4 DOSE: CONTROL	SEX: Male DISP: Terminal Sacrifice	DAY ON TEST: 731 HISTO:
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ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Medulla	Bone	Bone Marrow	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	Larynx
Lymph Node - Mandibular	Nose	Pancreas	Parathyroid Gland
Salivary Glands	Seminal Vesicle	Skin	Spleen
Stomach - Forestomach	Stomach - Glandular	Testes	Thymus
Thyroid Gland	Trachea	Urinary Bladder	

MISSING

Mammary Gland	Pituitary Gland	Prostate
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OBSERVATIONS

Adrenal Gland	Capsule	Hyperplasia	Multifocal, Moderate
	Cortex	Hypertrophy	Focal, Mild
Brain		Mineralization	Multifocal, Moderate
Liver		Cyst Multilocular	Moderate
Note: CYST MULTILOC	TGLs = 6-5,		
Lung		Alveolar/Bronchiolar Adenoma	
Note: ALV BRON ADEN	TGLs = 2-4,		
Lymph Node	Mesenteric	Hemorrhage	Moderate
Note: HEMORRHAGE	TGLs = 5-7,		

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05070-02

Test Type: CHRONIC

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Vinyl toluene

CAS Number: 25013-15-4

Date Report Requested: 10/23/2014

Time Report Requested: 13:42:43

First Dose M/F: NA / NA

Lab: MIDWEST

ANIMAL ID: 23

TRT#: 5

SEX: Male

DAY ON TEST: 733

DOSE: 25 PPM

DISP: Terminal Sacrifice

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - 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
Liver	Lymph Node - Mandibular	Lymph Node - Mesenteric	Pancreas
Pituitary Gland	Prostate	Seminal Vesicle	Skin
Spleen	Stomach - Forestomach	Stomach - Glandular	Testes
Thyroid Gland	Trachea	Urinary Bladder	

MISSING

Larynx	Mammary Gland	Parathyroid Gland	Thymus
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OBSERVATIONS

Adrenal Gland	Cortex	Accessory Adrenal Cortical Nodule	
	Capsule	Hyperplasia	Multifocal, Mild
	Cortex	Hypertrophy	Multifocal, Mild
Note: 1991 CONVERSION DISCREPANCY. ORIGINAL DIAGNOSIS SITE NOT FOUND			
Lung	Alveolus, Bronchiole	Inflammation	Chronic Active, Multifocal, Mild
Nose	Respirat Epith	Hyperplasia	Moderate
	Mucosa	Inflammation	Chronic Active, Mild
Salivary Glands		Infiltration Cellular	Lymphocyte, Multifocal, Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05070-02
Test Type: CHRONIC
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Vinyl toluene
CAS Number: 25013-15-4

Date Report Requested: 10/23/2014
Time Report Requested: 13:42:43
First Dose M/F: NA / NA
Lab: MIDWEST

ANIMAL ID: 23	TRT#: 6 DOSE: 10 PPM	SEX: Male DISP: Moribund Sacrifice	DAY ON TEST: 714 HISTO:
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ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Seminal Vesicle	Skin	Stomach - Glandular	Urinary Bladder
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OBSERVATIONS

Lung	Alveolus, Bronchiole	Inflammation	Chronic Active, Multifocal, Moderate
Nose	Respirat Epith	Hyperplasia	Moderate
	Mucosa	Inflammation	Chronic Active, Minimal
Skin			

Note: GROSS LESION NOT FOUND IN WET TISSUES

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05070-02

Test Type: CHRONIC

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Vinyl toluene

CAS Number: 25013-15-4

Date Report Requested: 10/23/2014

Time Report Requested: 13:42:43

First Dose M/F: NA / NA

Lab: MIDWEST

ANIMAL ID: 24

TRT#: 4

SEX: Male

DAY ON TEST: 658

DOSE: CONTROL

DISP: Moribund Sacrifice

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex
Epididymis
Intestine Large - Colon
Intestine Small - Jejunum
Lymph Node - Mesenteric
Parathyroid Gland
Stomach - Forestomach
Trachea

Adrenal Gland - Medulla
Esophagus
Intestine Large - Rectum
Larynx
Mammary Gland
Pituitary Gland
Stomach - Glandular
Urinary Bladder

Bone
Heart
Intestine Small - Duodenum
Lung
Nose
Salivary Glands
Testes

Brain
Intestine Large - Cecum
Intestine Small - Ileum
Lymph Node - Mandibular
Pancreas
Skin
Thyroid Gland

MISSING

Thymus

OBSERVATIONS

Bone Marrow
Gallbladder
Islets, Pancreatic
Kidney
Note: INFLAMMATION TGLs = 9-6,
Liver

Myeloid Cell
Epithelium

Hyperplasia
Hyperplasia
Hyperplasia
Inflammation

Mild
Mild
Multifocal, Mild
Suppurative, Chronic Active, Multifocal, Marked

Note: HEPATOCLR CARC TGLs = 8-11,
Prostate
Seminal Vesicle
Note: DILATATION TGLs = 2-8,
Spleen

Hepatocellular Carcinoma
Necrosis

Acute, Multifocal, Moderate

Inflammation
Dilatation

Chronic Active, Mild
Moderate

Hematopoietic Cell Proliferation

Moderate

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05070-02
Test Type: CHRONIC
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Vinyl toluene
CAS Number: 25013-15-4

Date Report Requested: 10/23/2014
Time Report Requested: 13:42:43
First Dose M/F: NA / NA
Lab: MIDWEST

ANIMAL ID: 24	TRT#: 5 DOSE: 25 PPM	SEX: Male DISP: Terminal Sacrifice	DAY ON TEST: 733 HISTO:
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ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - 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
Larynx	Liver	Lymph Node - Mandibular	Mammary Gland
Pancreas	Parathyroid Gland	Pituitary Gland	Prostate
Salivary Glands	Seminal Vesicle	Skin	Spleen
Stomach - Forestomach	Stomach - Glandular	Testes	Thymus
Thyroid Gland	Trachea	Urinary Bladder	

MISSING

Lymph Node - Mesenteric

OBSERVATIONS

Adrenal Gland	Capsule	Hyperplasia	Multifocal, Marked
	Cortex	Hypertrophy	Multifocal, Moderate
Lung	Alveolus	Inflammation	Chronic Active, Multifocal, Minimal
Note: INFLAMMATION TGLs = 2-4,			
Nose	Respirat Epith	Hyperplasia	Marked
	Mucosa	Inflammation	Chronic Active, Moderate

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05070-02
Test Type: CHRONIC
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Vinyl toluene
CAS Number: 25013-15-4

Date Report Requested: 10/23/2014
Time Report Requested: 13:42:43
First Dose M/F: NA / NA
Lab: MIDWEST

ANIMAL ID: 24	TRT#: 6 DOSE: 10 PPM	SEX: Male DISP: Terminal Sacrifice	DAY ON TEST: 732 HISTO:
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ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Skin	Urinary Bladder
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OBSERVATIONS

Lung Note: INFLAMMATION TGLs = 3+4-1	Alveolus, Bronchiole	Inflammation	Chronic Active, Multifocal, Moderate
Nose	Respirat Epith Mucosa	Hyperplasia Inflammation	Moderate Chronic Active, Marked
Preputial Gland Note: INFLAMMATION TGLs = 2-2		Inflammation	Chronic, Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05070-02

Test Type: CHRONIC

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Vinyl toluene

CAS Number: 25013-15-4

Date Report Requested: 10/23/2014

Time Report Requested: 13:42:43

First Dose M/F: NA / NA

Lab: MIDWEST

ANIMAL ID: 25

TRT#: 4

SEX: Male

DAY ON TEST: 732

DOSE: CONTROL

DISP: Terminal Sacrifice

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - 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	Larynx	Liver	Lymph Node - Mandibular
Lymph Node - Mesenteric	Nose	Pancreas	Parathyroid 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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OBSERVATIONS

Adrenal Gland	Capsule	Hyperplasia	Focal, Moderate
Lung	Alveolar Epith	Alveolar/Bronchiolar Adenoma Hyperplasia	Focal, Mild
Note: ALV BRON ADEN IS VERY SMALL			
Pituitary Gland	Pars Distalis	Cyst	Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05070-02

Test Type: CHRONIC

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Vinyl toluene

CAS Number: 25013-15-4

Date Report Requested: 10/23/2014

Time Report Requested: 13:42:43

First Dose M/F: NA / NA

Lab: MIDWEST

ANIMAL ID: 25

TRT#: 5

SEX: Male

DAY ON TEST: 732

DOSE: 25 PPM

DISP: Terminal Sacrifice

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Medulla	Bone	Bone Marrow	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	Larynx
Liver	Lung	Pancreas	Parathyroid Gland
Pituitary Gland	Prostate	Seminal Vesicle	Skin
Spleen	Stomach - Forestomach	Stomach - Glandular	Testes
Thyroid Gland	Trachea	Urinary Bladder	

MISSING

Mammary Gland

OBSERVATIONS

Adrenal Gland	Capsule	Hyperplasia	Multifocal, Mild
	Cortex	Hyperplasia	Multifocal, Mild
Brain		Mineralization	Multifocal, Mild
Lymph Node	Mesenteric	Hemorrhage	Moderate
	Mandibular	Hyperplasia	Lymphoid, Mild
	Mediastinal	Hyperplasia	Lymphoid, Mild
Note: HEMORRHAGE	TGLs = 1-7,		
Nose	Respirat Epith	Hyperplasia	Marked
	Mucosa	Inflammation	Chronic Active, Mild
Salivary Glands		Infiltration Cellular	Lymphocyte, Multifocal, Mild
Thymus		Hyperplasia	Lymphoid, Diffuse, Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05070-02
Test Type: CHRONIC
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Vinyl toluene
CAS Number: 25013-15-4

Date Report Requested: 10/23/2014
Time Report Requested: 13:42:43
First Dose M/F: NA / NA
Lab: MIDWEST

ANIMAL ID: 25	TRT#: 6 DOSE: 10 PPM	SEX: Male DISP: Terminal Sacrifice	DAY ON TEST: 732 HISTO:
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ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Intestine Small	Lymph Node - Mandibular	Spleen
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OBSERVATIONS

Lung		Infiltration Cellular	Histiocyte, Focal, Minimal
Lymph Node	Mesenteric	Hemorrhage	Mild
Note: HEMORRHAGE	TGLs = 3-3		
Nose	Respirat Epith Mucosa	Hyperplasia Inflammation	Moderate Chronic Active, Mild
Seminal Vesicle		Dilatation	Moderate
Note: DILATATION	TGLs = 1-3		

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05070-02

Test Type: CHRONIC

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Vinyl toluene

CAS Number: 25013-15-4

Date Report Requested: 10/23/2014

Time Report Requested: 13:42:43

First Dose M/F: NA / NA

Lab: MIDWEST

ANIMAL ID: 26

TRT#: 4

SEX: Male

DAY ON TEST: 735

DOSE: CONTROL

DISP: Terminal Sacrifice

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex
Brain
Heart
Intestine Small - Jejunum
Parathyroid Gland
Stomach - Forestomach
Urinary Bladder

Adrenal Gland - Medulla
Epididymis
Intestine Large - Rectum
Islets, Pancreatic
Pituitary Gland
Stomach - Glandular

Bone
Esophagus
Intestine Small - Duodenum
Liver
Prostate
Testes

Bone Marrow
Gallbladder
Intestine Small - Ileum
Mammary Gland
Seminal Vesicle
Trachea

MISSING

Intestine Large - Colon

Larynx

Lymph Node - Mesenteric

Thymus

OBSERVATIONS

Adrenal Gland
Intestine Large
Kidney
Lung

Capsule
Cecum

Hyperplasia
Lymphoma Malignant Lymphocytic
Lymphoma Malignant Lymphocytic
Alveolar/Bronchiolar Carcinoma

Multifocal, Mild

Multiple

Note: ALV BRON CARC TGLs = 3-10,
Note: ALV BRON CARC TGLs = 2-10,

Lymph Node

Mandibular
Mediastinal

Lymphoma Malignant Lymphocytic
Lymphoma Malignant Lymphocytic
Lymphoma Malignant Lymphocytic
Inflammation
Lymphoma Malignant Lymphocytic
Lymphoma Malignant Lymphocytic
Lymphoma Malignant Lymphocytic
Lymphoma Malignant Lymphocytic

Chronic, Mild

Mesentery
Nose
Pancreas
Salivary Glands
Skin
Spleen

Nasolacrim Dct

Note: LYMPH MAL LYMP TGLs = 4-5,

Thyroid Gland

Follicular Cel

Adenoma

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05070-02
Test Type: CHRONIC
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Vinyl toluene
CAS Number: 25013-15-4

Date Report Requested: 10/23/2014
Time Report Requested: 13:42:43
First Dose M/F: NA / NA
Lab: MIDWEST

ANIMAL ID: 26	TRT#: 5 DOSE: 25 PPM	SEX: Male DISP: Terminal Sacrifice	DAY ON TEST: 735 HISTO:
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ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Medulla	Bone	Bone Marrow	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	Larynx
Liver	Lymph Node - Mesenteric	Pituitary Gland	Prostate
Salivary Glands	Seminal Vesicle	Skin	Spleen
Stomach - Forestomach	Stomach - Glandular	Testes	Thymus
Thyroid Gland	Trachea	Urinary Bladder	

MISSING

Lymph Node - Mandibular	Mammary Gland	Parathyroid Gland
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OBSERVATIONS

Adrenal Gland	Cortex	Hypertrophy	Focal, Mild
Brain		Mineralization	Multifocal, Mild
Lung	Alveolus, Bronchiole	Inflammation	Chronic Active, Multifocal, Mild
Note: GROSS FOCUS IS AGONAL HEMORRHAGE			
Nose	Respirat Epith	Hyperplasia	Marked
	Mucosa	Inflammation	Chronic Active, Mild
Pancreas	Acinus	Hypertrophy	Focal, Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05070-02
Test Type: CHRONIC
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Vinyl toluene
CAS Number: 25013-15-4

Date Report Requested: 10/23/2014
Time Report Requested: 13:42:43
First Dose M/F: NA / NA
Lab: MIDWEST

ANIMAL ID: 26

TRT#: 6

SEX: Male

DAY ON TEST: 392

DOSE: 10 PPM

DISP: Natural Death

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Heart

AUTO PRECLUDES DIAG.

Epididymis

Kidney

Liver

Lung

Parathyroid Gland

Skin

Stomach - Forestomach

Stomach - Glandular

Testes

Thyroid Gland

Trachea

PRIMARY CAUSE OF DEATH

-

Animal Note: OTHER TISSUES NOT TRIMMED - MARKED AUTOLYSIS

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05070-02

Test Type: CHRONIC

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Vinyl toluene

CAS Number: 25013-15-4

Date Report Requested: 10/23/2014

Time Report Requested: 13:42:43

First Dose M/F: NA / NA

Lab: MIDWEST

ANIMAL ID: 27

TRT#: 4

SEX: Male

DAY ON TEST: 734

DOSE: CONTROL

DISP: Terminal Sacrifice

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - 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
Larynx	Lung	Lymph Node - Mandibular	Nose
Pancreas	Parathyroid Gland	Pituitary Gland	Prostate
Seminal Vesicle	Skin	Spleen	Stomach - Glandular
Testes	Thymus	Thyroid Gland	Trachea
Urinary Bladder			

MISSING

Mammary Gland

OBSERVATIONS

Adrenal Gland	Capsule	Hyperplasia	Multifocal, Minimal
	Cortex	Hyperplasia	Multifocal, Moderate
Liver		Hepatocellular Adenoma	
Note: [HEPATOCLR ADEN] TGLs = 1-5			
Lymph Node	Mesenteric	Hemorrhage	Mild
Note: HEMORRHAGE TGLs = 3-7,			
Salivary Glands		Infiltration Cellular	Lymphocyte, Multifocal, Mild
Stomach	Forestomach	Hyperplasia	Squamous, Focal, Mild
Note: [HYPERPLASIA] TGLs = 2-7			

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05070-02

Test Type: CHRONIC

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Vinyl toluene

CAS Number: 25013-15-4

Date Report Requested: 10/23/2014

Time Report Requested: 13:42:43

First Dose M/F: NA / NA

Lab: MIDWEST

ANIMAL ID: 27

TRT#: 5

SEX: Male

DAY ON TEST: 735

DOSE: 25 PPM

DISP: Terminal Sacrifice

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Medulla	Bone	Bone Marrow	Epididymis
Esophagus	Heart	Intestine Large - Cecum	Intestine Large - Colon
Intestine Large - Rectum	Intestine Small - Duodenum	Intestine Small - Ileum	Intestine Small - Jejunum
Islets, Pancreatic	Kidney	Larynx	Liver
Lymph Node - Mandibular	Lymph Node - Mesenteric	Mammary Gland	Pancreas
Parathyroid Gland	Pituitary Gland	Prostate	Seminal Vesicle
Skin	Spleen	Stomach - Forestomach	Stomach - Glandular
Testes	Thymus	Thyroid Gland	Urinary Bladder

MISSING

Gallbladder

OBSERVATIONS

Adrenal Gland	Capsule	Hyperplasia	Multifocal, Moderate
	Cortex	Hyperplasia	Multifocal, Mild
Brain		Mineralization	Multifocal, Minimal
Lung		Infiltration Cellular	Histiocyte, Focal, Moderate
	Alveolus, Bronchiole	Inflammation	Chronic Active, Focal, Moderate
Nose	Respirat Epith	Hyperplasia	Marked
	Mucosa	Inflammation	Chronic Active, Moderate
Salivary Glands		Infiltration Cellular	Lymphocyte, Multifocal, Mild
Trachea	Glands	Hyperplasia	Diffuse, Moderate

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05070-02

Test Type: CHRONIC

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Vinyl toluene

CAS Number: 25013-15-4

Date Report Requested: 10/23/2014

Time Report Requested: 13:42:43

First Dose M/F: NA / NA

Lab: MIDWEST

ANIMAL ID: 27

TRT#: 6

SEX: Male

DAY ON TEST: 623

DOSE: 10 PPM

DISP: Moribund Sacrifice

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex
Esophagus
Intestine Large - Colon
Islets, Pancreatic
Lymph Node - Mesenteric
Pituitary Gland
Testes

Adrenal Gland - Medulla
Gallbladder
Intestine Large - Rectum
Larynx
Mammary Gland
Seminal Vesicle
Thyroid Gland

Bone
Heart
Intestine Small - Duodenum
Lung
Pancreas
Stomach - Forestomach
Trachea

Epididymis
Intestine Large - Cecum
Intestine Small - Ileum
Lymph Node - Mandibular
Parathyroid Gland
Stomach - Glandular

MISSING

Intestine Small - Jejunum

Thymus

OBSERVATIONS

Bone Marrow
Brain
Kidney
Note: INFLAMMATION TGLs = 3-6
Liver

Myeloid Cell

Hyperplasia
Mineralization
Inflammation

Marked
Multifocal, Mild
Suppurative, Chronic Active, Multifocal, Marked

Note: HEPATOCLR CARC TGLs = 2-5
Nose

Respirat Epith
Mucosa

Hyperplasia
Inflammation
Inflammation
Infiltration Cellular

Moderate
Chronic Active, Minimal
Chronic Active, Mild
Lymphocyte, Multifocal, Minimal

Prostate
Salivary Glands
Skin

Prepuce
Prepuce

Abscess
Ulcer

Marked
Marked

Note: ABSCESS TGLs = 1-10
Spleen
Urinary Bladder

Hematopoietic Cell Proliferation
Inflammation

Marked
Chronic Active, Diffuse, Marked

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05070-02
Test Type: CHRONIC
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Vinyl toluene
CAS Number: 25013-15-4

Date Report Requested: 10/23/2014
Time Report Requested: 13:42:43
First Dose M/F: NA / NA
Lab: MIDWEST

ANIMAL ID: 28	TRT#: 4 DOSE: CONTROL	SEX: Male DISP: Terminal Sacrifice	DAY ON TEST: 734 HISTO:
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ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Bone Marrow
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
Liver	Lung	Lymph Node - Mandibular	Lymph Node - Mesenteric
Pancreas	Pituitary Gland	Prostate	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 Gland	Capsule	Hyperplasia	Multifocal, Minimal
Brain		Mineralization	Multifocal, Minimal
Kidney		Infiltration Cellular	Lymphocyte, Multifocal, Mild
Nose	Respirat Epith Mucosa	Hyperplasia Inflammation	Minimal Chronic Active, Minimal
Salivary Glands		Infiltration Cellular	Lymphocyte, Multifocal, Mild

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05070-02

Test Type: CHRONIC

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Vinyl toluene

CAS Number: 25013-15-4

Date Report Requested: 10/23/2014

Time Report Requested: 13:42:43

First Dose M/F: NA / NA

Lab: MIDWEST

ANIMAL ID: 28

TRT#: 5

SEX: Male

DAY ON TEST: 735

DOSE: 25 PPM

DISP: Terminal Sacrifice

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - 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	Lymph Node - Mandibular	Pancreas	Pituitary Gland
Prostate	Seminal Vesicle	Skin	Stomach - Forestomach
Stomach - Glandular	Testes	Thymus	Thyroid Gland
Trachea	Urinary Bladder		

MISSING

Lymph Node - Mesenteric	Mammary Gland	Parathyroid Gland
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OBSERVATIONS

Adrenal Gland	Capsule	Hyperplasia	Multifocal, Mild
Kidney		Nephropathy	Chronic, Mild
Liver		Hepatocellular Carcinoma	Multiple
Note: HEPATOCLR CARC TGLs = 2+3-5+10,			
Lung	Alveolus, Bronchiole	Inflammation	Chronic Active, Multifocal, Mild
Nose	Respirat Epith	Hyperplasia	Marked
	Mucosa	Inflammation	Chronic Active, Moderate
Salivary Glands		Infiltration Cellular	Lymphocyte, Multifocal, Minimal
Spleen		Hyperplasia	Lymphoid, Diffuse, Marked
		Hyperplasia	Lymphoid, Marked

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05070-02
Test Type: CHRONIC
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Vinyl toluene
CAS Number: 25013-15-4

Date Report Requested: 10/23/2014
Time Report Requested: 13:42:43
First Dose M/F: NA / NA
Lab: MIDWEST

ANIMAL ID: 28

TRT#: 6

SEX: Male

DAY ON TEST: 735

DOSE: 10 PPM

DISP: Terminal Sacrifice

HISTO:

OBSERVATIONS

Harderian Gland
Note: ADENOMA TGLs = 2+3-3

Bilateral

Adenoma

Lung
Note: INFLAMMATION TGLs = 4-1

Alveolus, Bronchiole

Inflammation

Chronic Active, Multifocal, Mild

Nose

Respirat Epith

Hyperplasia

Moderate

Mucosa

Inflammation

Chronic Active, Mild

Nasolacrim Dct

Inflammation

Chronic Active, Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05070-02

Test Type: CHRONIC

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Vinyl toluene

CAS Number: 25013-15-4

Date Report Requested: 10/23/2014

Time Report Requested: 13:42:43

First Dose M/F: NA / NA

Lab: MIDWEST

ANIMAL ID: 29

TRT#: 4

SEX: Male

DAY ON TEST: 733

DOSE: CONTROL

DISP: Terminal Sacrifice

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - 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
Larynx	Liver	Lymph Node - Mandibular	Lymph Node - Mesenteric
Nose	Pancreas	Parathyroid Gland	Prostate
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

Adrenal Gland	Capsule	Hyperplasia	Multifocal, Mild
	Cortex	Hypertrophy	Multifocal, Mild
Lung		Infiltration Cellular	Lymphocyte, Multifocal, Mild
Salivary Glands		Infiltration Cellular	Lymphocyte, Multifocal, Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05070-02

Test Type: CHRONIC

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Vinyl toluene

CAS Number: 25013-15-4

Date Report Requested: 10/23/2014

Time Report Requested: 13:42:43

First Dose M/F: NA / NA

Lab: MIDWEST

ANIMAL ID: 29

TRT#: 5

SEX: Male

DAY ON TEST: 735

DOSE: 25 PPM

DISP: Terminal Sacrifice

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - 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	Larynx	Liver	Lymph Node - Mandibular
Pancreas	Parathyroid Gland	Pituitary Gland	Salivary Glands
Seminal Vesicle	Skin	Stomach - Forestomach	Stomach - Glandular
Testes	Thyroid Gland	Trachea	Urinary Bladder

MISSING

Lymph Node - Mesenteric	Mammary Gland	Prostate	Thymus
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OBSERVATIONS

Adrenal Gland	Capsule	Hyperplasia	Multifocal, Mild
Lung		Infiltration Cellular	Lymphocyte, Multifocal, Mild
Nose	Respirat Epith Mucosa	Hyperplasia Inflammation	Marked Chronic Active, Moderate
Preputial Gland		Cyst	Marked
Note: CYST TGLs = 2-10,			
Spleen	Lymphocyte	Necrosis	Multifocal, Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05070-02
Test Type: CHRONIC
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Vinyl toluene
CAS Number: 25013-15-4

Date Report Requested: 10/23/2014
Time Report Requested: 13:42:43
First Dose M/F: NA / NA
Lab: MIDWEST

ANIMAL ID: 29	TRT#: 6 DOSE: 10 PPM	SEX: Male DISP: Terminal Sacrifice	DAY ON TEST: 735 HISTO:
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ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Liver	Urinary Bladder
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OBSERVATIONS

Lung		Infiltration Cellular	Histiocyte, Focal, Minimal
Lymph Node		Hematopoietic Cell Proliferation	Minimal
		Hemorrhage	Mild
Note: HEMORRHAGE	TGLs = 2-4		
Nose		Hyperplasia	Moderate
		Inflammation	Chronic Active, Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05070-02

Test Type: CHRONIC

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Vinyl toluene

CAS Number: 25013-15-4

Date Report Requested: 10/23/2014

Time Report Requested: 13:42:43

First Dose M/F: NA / NA

Lab: MIDWEST

ANIMAL ID: 30

TRT#: 4

SEX: Male

DAY ON TEST: 733

DOSE: CONTROL

DISP: Terminal Sacrifice

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Medulla
Epididymis
Intestine Large - Colon
Intestine Small - Jejunum
Liver
Pituitary Gland
Spleen
Thymus

Bone
Esophagus
Intestine Large - Rectum
Islets, Pancreatic
Lymph Node - Mandibular
Prostate
Stomach - Forestomach
Thyroid Gland

Bone Marrow
Heart
Intestine Small - Duodenum
Kidney
Nose
Seminal Vesicle
Stomach - Glandular
Trachea

Brain
Intestine Large - Cecum
Intestine Small - Ileum
Larynx
Pancreas
Skin
Testes
Urinary Bladder

MISSING

Mammary Gland

Parathyroid Gland

AUTO PRECLUDES DIAG.

Gallbladder

OBSERVATIONS

Adrenal Gland

Lung
Lymph Node
Salivary Glands

Capsule
Cortex

Mesenteric

Hyperplasia
Hypertrophy
Infiltration Cellular
Hemorrhage
Infiltration Cellular

Multifocal, Mild
Multifocal, Mild
Lymphocyte, Multifocal, Minimal
Mild
Lymphocyte, Multifocal, Moderate

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05070-02

Test Type: CHRONIC

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Vinyl toluene

CAS Number: 25013-15-4

Date Report Requested: 10/23/2014

Time Report Requested: 13:42:43

First Dose M/F: NA / NA

Lab: MIDWEST

ANIMAL ID: 30

TRT#: 5

SEX: Male

DAY ON TEST: 735

DOSE: 25 PPM

DISP: Terminal Sacrifice

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Medulla
Epididymis
Intestine Large - Colon
Intestine Small - Jejunum
Liver
Parathyroid Gland
Seminal Vesicle
Stomach - Glandular
Urinary Bladder

Bone
Esophagus
Intestine Large - Rectum
Islets, Pancreatic
Lung
Pituitary Gland
Skin
Testes

Bone Marrow
Heart
Intestine Small - Duodenum
Kidney
Mammary Gland
Prostate
Spleen
Thyroid Gland

Brain
Intestine Large - Cecum
Intestine Small - Ileum
Larynx
Pancreas
Salivary Glands
Stomach - Forestomach
Trachea

MISSING

Gallbladder Lymph Node - Mandibular

Lymph Node - Mesenteric

OBSERVATIONS

Adrenal Gland

Cortex
Capsule
Cortex

Accessory Adrenal Cortical Nodule
Hyperplasia
Hyperplasia

Multifocal, Mild
Focal, Mild

Note: 1991 CONVERSION DISCREPANCY. ORIGINAL DIAGNOSIS SITE NOT SPECIFIED

Nose

Respirat Epith
Mucosa

Hyperplasia
Inflammation

Marked
Chronic Active, Marked

Thymus

Cyst

Multiple, Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05070-02
Test Type: CHRONIC
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Vinyl toluene
CAS Number: 25013-15-4

Date Report Requested: 10/23/2014
Time Report Requested: 13:42:43
First Dose M/F: NA / NA
Lab: MIDWEST

ANIMAL ID: 30	TRT#: 6 DOSE: 10 PPM	SEX: Male DISP: Terminal Sacrifice	DAY ON TEST: 734 HISTO:
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ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Lung	Lymph Node - Mandibular
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OBSERVATIONS

Lymph Node Note: HEMORRHAGE TGLs = 2-3	Mesenteric	Hemorrhage	Mild
Nose	Respirat Epith Mucosa	Hyperplasia Inflammation	Marked Chronic Active, Moderate
Preputial Gland Note: CYST TGLs = 1-3		Cyst	Marked

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05070-02
Test Type: CHRONIC
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Vinyl toluene
CAS Number: 25013-15-4

Date Report Requested: 10/23/2014
Time Report Requested: 13:42:43
First Dose M/F: NA / NA
Lab: MIDWEST

ANIMAL ID: 31 TRT#: 4 SEX: Male DAY ON TEST: 644
DOSE: CONTROL DISP: Moribund Sacrifice HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Epididymis
Esophagus	Gallbladder	Heart	Intestine Large - Cecum
Intestine Large - Colon	Intestine Large - Rectum	Intestine Small - Duodenum	Intestine Small - Jejunum
Islets, Pancreatic	Kidney	Larynx	Liver
Lung	Lymph Node - Mandibular	Nose	Pancreas
Pituitary Gland	Prostate	Salivary Glands	Seminal Vesicle
Stomach - Forestomach	Stomach - Glandular	Testes	Thyroid Gland
Trachea	Urinary Bladder		

MISSING

Intestine Small - Ileum	Mammary Gland	Parathyroid Gland	Thymus
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OBSERVATIONS

Adrenal Gland	Capsule	Hyperplasia	Multifocal, Minimal
Bone Marrow	Myeloid Cell	Hyperplasia	Moderate
Brain		Mineralization	Multifocal, Mild
Lymph Node	Mesenteric	Hematopoietic Cell Proliferation	Mild
Skin	Prepuce	Necrosis	Marked
Note: NECROSIS TGLs = 3-10,			
Spleen		Hematopoietic Cell Proliferation	Marked

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05070-02

Test Type: CHRONIC

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Vinyl toluene

CAS Number: 25013-15-4

Date Report Requested: 10/23/2014

Time Report Requested: 13:42:43

First Dose M/F: NA / NA

Lab: MIDWEST

ANIMAL ID: 31

TRT#: 5

SEX: Male

DAY ON TEST: 716

DOSE: 25 PPM

DISP: Natural Death

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex
Epididymis
Larynx
Pituitary Gland
Stomach - Glandular
Urinary Bladder

Adrenal Gland - Medulla
Esophagus
Lymph Node - Mandibular
Prostate
Testes

Bone
Heart
Mammary Gland
Seminal Vesicle
Thyroid Gland

Brain
Kidney
Parathyroid Gland
Skin
Trachea

MISSING

Bone Marrow

Gallbladder

Lymph Node - Mesenteric

Stomach - Forestomach

AUTO PRECLUDES DIAG.

Intestine Large
Pancreas

Intestine Small
Spleen

Islets, Pancreatic

Liver

OBSERVATIONS

Adrenal Gland
Lung

Capsule

Hyperplasia
Granuloma

Multifocal, Mild
Marked

Nose

Alveolus, Bronchiole

Inflammation

Chronic Active, Multifocal, Moderate

Salivary Glands

Respirat Epith

Hyperplasia

Marked

Thymus

Mucosa

Inflammation

Chronic Active, Moderate

Infiltration Cellular

Lymphocyte, Multifocal, Minimal

Depletion Lymphoid

Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05070-02
Test Type: CHRONIC
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Vinyl toluene
CAS Number: 25013-15-4

Date Report Requested: 10/23/2014
Time Report Requested: 13:42:43
First Dose M/F: NA / NA
Lab: MIDWEST

ANIMAL ID: 31	TRT#: 6 DOSE: 10 PPM	SEX: Male DISP: Moribund Sacrifice	DAY ON TEST: 676 HISTO:
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ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Lung	Seminal Vesicle	Urinary Bladder
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OBSERVATIONS

Nose	Respirat Epith Mucosa	Hyperplasia Inflammation	Moderate Chronic Active, Mild
Skin	Prepuce	Inflammation	Chronic Active, Moderate

Note: INFLAMMATION TGLs = 1-3

PRIMARY CAUSE OF DEATH

-

Experiment Number: 05070-02

Test Type: CHRONIC

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Vinyl toluene

CAS Number: 25013-15-4

Date Report Requested: 10/23/2014

Time Report Requested: 13:42:43

First Dose M/F: NA / NA

Lab: MIDWEST

ANIMAL ID: 32

TRT#: 4

SEX: Male

DAY ON TEST: 733

DOSE: CONTROL

DISP: Terminal Sacrifice

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Medulla	Bone	Bone Marrow	Esophagus
Gallbladder	Heart	Intestine Large - Cecum	Intestine Large - Colon
Intestine Large - Rectum	Intestine Small - Duodenum	Intestine Small - Ileum	Islets, Pancreatic
Kidney	Larynx	Lung	Lymph Node - Mandibular
Pancreas	Pituitary Gland	Prostate	Salivary Glands
Seminal Vesicle	Spleen	Stomach - Forestomach	Stomach - Glandular
Testes	Thyroid Gland	Trachea	Urinary Bladder

MISSING

Mammary Gland	Parathyroid Gland	Thymus
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OBSERVATIONS

Adrenal Gland	Cortex	Hypertrophy	Focal, Minimal
Brain		Mineralization	Multifocal, Mild
Epididymis		Lymphoma Malignant Histiocytic	
Note: LYMPH MAL HIST TGLs = 5-8			
Note: PROBABLY NEUROFIBROSARCOMA			
Intestine Small	Jejunum	Lymphoma Malignant Histiocytic	
Note: LYMPH MAL HIST TGLs = 3-10			
Note: LYMPH MAL MIXD TGLs = 3-10,			
Liver		Hepatocellular Carcinoma	
Note: HEPATOCLR CARC TGLs = 4-11,			
Lymph Node	Mesenteric	Hematopoietic Cell Proliferation	Moderate
	Mesenteric	Hemorrhage	Mild
Note: HEMA CELL PROL TGLs = 2-7,			
Note: HEMORRHAGE TGLs = 2-7,			
Nose	Mucosa	Inflammation	Acute, Minimal
Skin		Inflammation	Chronic Active, Mild
Note: INFLAMMATION TGLs = 1-10,			

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05070-02

Test Type: CHRONIC

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Vinyl toluene

CAS Number: 25013-15-4

Date Report Requested: 10/23/2014

Time Report Requested: 13:42:43

First Dose M/F: NA / NA

Lab: MIDWEST

ANIMAL ID: 32

TRT#: 5

SEX: Male

DAY ON TEST: 252

DOSE: 25 PPM

DISP: Accidentally Killed

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex

Adrenal Gland - Medulla

Bone

Bone Marrow

Brain

Epididymis

Heart

Intestine Large - Colon

Intestine Small - Duodenum

Islets, Pancreatic

Kidney

Liver

Pancreas

Pituitary Gland

Salivary Glands

Seminal Vesicle

Skin

Spleen

Stomach - Forestomach

Stomach - Glandular

Testes

Urinary Bladder

MISSING

Esophagus

Intestine Large - Cecum

Intestine Large - Rectum

Intestine Small - Ileum

Intestine Small - Jejunum

Larynx

Lymph Node - Mandibular

Lymph Node - Mesenteric

Mammary Gland

Parathyroid Gland

Prostate

Thymus

Thyroid Gland

Trachea

AUTO PRECLUDES DIAG.

Gallbladder

OBSERVATIONS

Bone

Note: RIB INSTEAD OF FEMUR

Lung

Alveolus, Bronchiole

Inflammation

Chronic Active, Multifocal, Mild

Nose

Respirat Epith

Hyperplasia

Moderate

Preputial Gland

Mucosa

Inflammation

Chronic Active, Mild

Cyst

Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05070-02
Test Type: CHRONIC
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Vinyl toluene
CAS Number: 25013-15-4

Date Report Requested: 10/23/2014
Time Report Requested: 13:42:43
First Dose M/F: NA / NA
Lab: MIDWEST

ANIMAL ID: 32	TRT#: 6 DOSE: 10 PPM	SEX: Male DISP: Terminal Sacrifice	DAY ON TEST: 734 HISTO:
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ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Lymph Node - Mandibular	Skin	Urinary Bladder
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OBSERVATIONS

Liver Note: HEPATOCLR CARC TGLs = 4-4		Hepatocellular Carcinoma	
Lung [Hepatocellular Carcinoma TGLS = 2-1]		Alveolar/Bronchiolar Carcinoma Hepatocellular Carcinoma Infiltration Cellular	Metastatic (Liver) Histiocyte, Multifocal, Mild
Lymph Node Note: HEMORRHAGE TGLs = 3-3	Mesenteric Mesenteric	Hemorrhage Hyperplasia	Marked Marked
Nose	Respirat Epith Mucosa	Hyperplasia Inflammation	Moderate Chronic Active, Moderate

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05070-02

Test Type: CHRONIC

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Vinyl toluene

CAS Number: 25013-15-4

Date Report Requested: 10/23/2014

Time Report Requested: 13:42:43

First Dose M/F: NA / NA

Lab: MIDWEST

ANIMAL ID: 33

TRT#: 4

SEX: Male

DAY ON TEST: 733

DOSE: CONTROL

DISP: Terminal Sacrifice

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - 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
Larynx	Liver	Lymph Node - Mandibular	Mammary Gland
Nose	Pancreas	Parathyroid Gland	Pituitary Gland
Seminal Vesicle	Skin	Spleen	Stomach - Forestomach
Stomach - Glandular	Testes	Thymus	Trachea
Urinary Bladder			

OBSERVATIONS

Adrenal Gland	Capsule	Hyperplasia	Multifocal, Moderate
	Cortex	Hyperplasia	Multifocal, Mild
Lung		Infiltration Cellular	Lymphocyte, Multifocal, Minimal
Lymph Node	Mesenteric	Hemorrhage	Minimal
	Pancreatic	Lymphoma Malignant Histiocytic	
Note: MANY LARGE CELLS WITH LARGE, BIZARRE NUCLEI			
Note: LYMPH MAL HIST TGLs = 3-3+3.1			
Note: HEMORRHAGE TGLs = 2-7,			
Prostate		Infiltration Cellular	Lymphocyte, Multifocal, Mild
Salivary Glands		Infiltration Cellular	Lymphocyte, Multifocal, Mild
Thyroid Gland	Follicular Cel	Adenoma	

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05070-02

Test Type: CHRONIC

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Vinyl toluene

CAS Number: 25013-15-4

Date Report Requested: 10/23/2014

Time Report Requested: 13:42:43

First Dose M/F: NA / NA

Lab: MIDWEST

ANIMAL ID: 33

TRT#: 5

SEX: Male

DAY ON TEST: 735

DOSE: 25 PPM

DISP: Terminal Sacrifice

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex
Epididymis
Intestine Large - Rectum
Islets, Pancreatic
Pancreas
Salivary Glands
Stomach - Forestomach
Trachea

Adrenal Gland - Medulla
Esophagus
Intestine Small - Duodenum
Kidney
Parathyroid Gland
Seminal Vesicle
Stomach - Glandular
Urinary Bladder

Bone
Heart
Intestine Small - Ileum
Liver
Pituitary Gland
Skin
Testes

Bone Marrow
Intestine Large - Colon
Intestine Small - Jejunum
Lymph Node - Mesenteric
Prostate
Spleen
Thyroid Gland

MISSING

Gallbladder
Thymus

Intestine Large - Cecum

Lymph Node - Mandibular

Mammary Gland

OBSERVATIONS

Adrenal Gland
Brain
Larynx
Lung

Capsule

Pleura
Mediastinum

Alveolus, Bronchiole

Hyperplasia
Mineralization
Inflammation
Hyperplasia
Infiltration Cellular
Infiltration Cellular
Inflammation

Multifocal, Mild
Multifocal, Mild
Acute, Diffuse, Minimal
Diffuse, Moderate
Lymphocyte, Multifocal, Mild
Lymphocyte, Multifocal, Moderate
Chronic Active, Multifocal, Mild

Note: PLEURAL HYPERPLASIA IS MESOTHELIAL

Nose

Respirat Epith
Mucosa

Hyperplasia
Inflammation

Marked
Chronic Active, Marked

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05070-02
Test Type: CHRONIC
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Vinyl toluene
CAS Number: 25013-15-4

Date Report Requested: 10/23/2014
Time Report Requested: 13:42:43
First Dose M/F: NA / NA
Lab: MIDWEST

ANIMAL ID: 33

TRT#: 6

SEX: Male

DAY ON TEST: 733

DOSE: 10 PPM

DISP: Terminal Sacrifice

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Skin

OBSERVATIONS

Lung	Alveolus, Bronchiole	Inflammation	Chronic Active, Focal, Mild
Nose	Respirat Epith	Hyperplasia	Marked
	Mucosa	Inflammation	Chronic Active, Moderate

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05070-02

Test Type: CHRONIC

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Vinyl toluene

CAS Number: 25013-15-4

Date Report Requested: 10/23/2014

Time Report Requested: 13:42:43

First Dose M/F: NA / NA

Lab: MIDWEST

ANIMAL ID: 34

TRT#: 4

SEX: Male

DAY ON TEST: 732

DOSE: CONTROL

DISP: Terminal Sacrifice

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - 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	Larynx	Lung
Lymph Node - Mandibular	Nose	Pancreas	Prostate
Salivary Glands	Seminal Vesicle	Skin	Stomach - Forestomach
Stomach - Glandular	Testes	Thymus	Thyroid Gland
Trachea	Urinary Bladder		

MISSING

Mammary Gland	Parathyroid Gland
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INSUFFICIENT TISSUE

Pituitary Gland

OBSERVATIONS

Adrenal Gland	Capsule	Hyperplasia	Multifocal, Mild
	Cortex	Hypertrophy	Focal, Mild
Islets, Pancreatic		Hyperplasia	Multifocal, Moderate
Kidney		Infiltration Cellular	Lymphocyte, Multifocal, Mild
Liver		Hepatocellular Adenoma	Multiple
Note: [HEPATOCLR ADEN] TGLs = 6-11			
Note: [HEPATOCLR ADEN] TGLs = 5-5			
Lymph Node	Mesenteric	Hemorrhage	Mild
	Mesenteric	Hyperplasia	Reticulum Cell, Moderate
Note: HEMORRHAGE TGLs = 4-7,			
Preputial Gland		Abscess	Marked
Note: ABSCESS TGLs = 2-12,			
Spleen		Depletion Lymphoid	Moderate
		Hyperplasia	Reticulum Cell, Marked
Note: HYPERPLASIA TGLs = 3-5			
Note: DEPLET LYMPH TGLs = 3-5,			

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05070-02

Test Type: CHRONIC

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Vinyl toluene

CAS Number: 25013-15-4

Date Report Requested: 10/23/2014

Time Report Requested: 13:42:43

First Dose M/F: NA / NA

Lab: MIDWEST

ANIMAL ID: 34

TRT#: 4

SEX: Male

DAY ON TEST: 732

DOSE: CONTROL

DISP: Terminal Sacrifice

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05070-02

Test Type: CHRONIC

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Vinyl toluene

CAS Number: 25013-15-4

Date Report Requested: 10/23/2014

Time Report Requested: 13:42:43

First Dose M/F: NA / NA

Lab: MIDWEST

ANIMAL ID: 34

TRT#: 5

SEX: Male

DAY ON TEST: 734

DOSE: 25 PPM

DISP: Terminal Sacrifice

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Medulla	Bone	Bone Marrow	Epididymis
Esophagus	Gallbladder	Heart	Intestine Large - Cecum
Intestine Large - Colon	Intestine Large - Rectum	Intestine Small - Duodenum	Intestine Small - Ileum
Intestine Small - Jejunum	Kidney	Larynx	Lymph Node - Mesenteric
Pancreas	Pituitary Gland	Prostate	Salivary Glands
Seminal Vesicle	Skin	Spleen	Stomach - Forestomach
Stomach - Glandular	Testes	Thyroid Gland	Trachea
Urinary Bladder			

MISSING

Lymph Node - Mandibular	Mammary Gland	Parathyroid Gland	Thymus
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OBSERVATIONS

Adrenal Gland	Cortex	Accessory Adrenal Cortical Nodule	
	Cortex	Hyperplasia	Focal, Minimal
	Cortex	Hypertrophy	Focal, Mild
Brain		Mineralization	Multifocal, Mild
Islets, Pancreatic		Hyperplasia	Multifocal, Mild
Liver		Hepatocellular Carcinoma	Multiple
Note: HEPATOCLR CARC TGLs = 7-10,			
Note: HEPATOCLR CARC TGLs = 6-5,			
Lung	Mediastinum	Infiltration Cellular	Lymphocyte, Multifocal, Mild
	Alveolus, Bronchiole	Inflammation	Chronic Active, Multifocal, Marked
Note: INFLAMMATION TGLs = 2+3+4+5-4,			
Nose	Respirat Epith	Hyperplasia	Moderate
	Mucosa	Inflammation	Chronic Active, Marked

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05070-02
Test Type: CHRONIC
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Vinyl toluene
CAS Number: 25013-15-4

Date Report Requested: 10/23/2014
Time Report Requested: 13:42:43
First Dose M/F: NA / NA
Lab: MIDWEST

ANIMAL ID: 34	TRT#: 6 DOSE: 10 PPM	SEX: Male DISP: Terminal Sacrifice	DAY ON TEST: 733 HISTO:
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ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Skin

OBSERVATIONS

Liver		Hepatocellular Carcinoma	
Note: HEPATOCLR CARC	TGLs = 4-3		
Lung		Hepatocellular Carcinoma	Metastatic (Liver)
		Inflammation	Chronic Active, Multifocal, Moderate
Note: HEPATOCLR CARC	TGLs = 3-1		
Nose	Respirat Epith	Hyperplasia	Moderate
	Mucosa	Inflammation	Chronic Active, Moderate
Spleen		Hematopoietic Cell Proliferation	Moderate
Note: HEMA CELL PROL	TGLs = 5-3		

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05070-02

Test Type: CHRONIC

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Vinyl toluene

CAS Number: 25013-15-4

Date Report Requested: 10/23/2014

Time Report Requested: 13:42:43

First Dose M/F: NA / NA

Lab: MIDWEST

ANIMAL ID: 35

TRT#: 4

SEX: Male

DAY ON TEST: 732

DOSE: CONTROL

DISP: Terminal Sacrifice

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - 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	Nose	Pancreas	Parathyroid Gland
Pituitary Gland	Prostate	Seminal Vesicle	Skin
Spleen	Stomach - Forestomach	Stomach - Glandular	Testes
Thyroid Gland	Trachea	Urinary Bladder	

MISSING

Mammary Gland	Thymus
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OBSERVATIONS

Adrenal Gland	Capsule	Hyperplasia	Multifocal, Minimal
	Cortex	Hyperplasia	Focal, Mild
	Cortex	Hypertrophy	Focal, Mild
Kidney		Mineralization	Focal, Minimal
Liver		Infiltration Cellular	Lymphocyte, Multifocal, Minimal
Lymph Node	Mesenteric	Hemorrhage	Moderate
	Mandibular	Hyperplasia	Reticulum Cell, Mild
Note: HEMORRHAGE	TGLs = 2-7,		
Salivary Glands		Infiltration Cellular	Lymphocyte, Multifocal, Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05070-02

Test Type: CHRONIC

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Vinyl toluene

CAS Number: 25013-15-4

Date Report Requested: 10/23/2014

Time Report Requested: 13:42:43

First Dose M/F: NA / NA

Lab: MIDWEST

ANIMAL ID: 35

TRT#: 5

SEX: Male

DAY ON TEST: 734

DOSE: 25 PPM

DISP: Terminal Sacrifice

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex

Adrenal Gland - 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

Kidney

Larynx

Lung

Lymph Node - Mandibular

Lymph Node - Mesenteric

Pancreas

Parathyroid Gland

Pituitary Gland

Prostate

Seminal Vesicle

Stomach - Forestomach

Stomach - Glandular

Testes

Thymus

Thyroid Gland

Trachea

Urinary Bladder

MISSING

Mammary Gland

OBSERVATIONS

Adrenal Gland

Capsule

Hyperplasia

Multifocal, Mild

Islets, Pancreatic

Hyperplasia

Focal, Moderate

Liver

Hepatocellular Carcinoma

Note: HEPATOCLR CARC TGLs = 2-5,

Nose

Respirat Epith

Hyperplasia

Marked

Mucosa

Inflammation

Chronic Active, Marked

Salivary Glands

Infiltration Cellular

Lymphocyte, Multifocal, Minimal

Spleen

Thrombosis

Moderate

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05070-02
Test Type: CHRONIC
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Vinyl toluene
CAS Number: 25013-15-4

Date Report Requested: 10/23/2014
Time Report Requested: 13:42:43
First Dose M/F: NA / NA
Lab: MIDWEST

ANIMAL ID: 35	TRT#: 6	SEX: Male	DAY ON TEST: 733
	DOSE: 10 PPM	DISP: Terminal Sacrifice	HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Lung	Skin
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OBSERVATIONS

Nose	Respirat Epith Mucosa	Hyperplasia Inflammation	Marked Chronic Active, Mild
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PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05070-02
Test Type: CHRONIC
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Vinyl toluene
CAS Number: 25013-15-4

Date Report Requested: 10/23/2014
Time Report Requested: 13:42:43
First Dose M/F: NA / NA
Lab: MIDWEST

ANIMAL ID: 36 **TRT#:** 4 **SEX:** Male **DAY ON TEST:** 732
DOSE: CONTROL **DISP:** Terminal Sacrifice **HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - 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	Larynx	Lymph Node - Mandibular	Nose
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 Gland	Capsule	Hyperplasia	Multifocal, Mild
Liver		Hematopoietic Cell Proliferation	Multifocal, Mild
		Hepatocellular Carcinoma	
Note: HEPATOCLR CARC TGLs = 2-5+5.1,			
Lung		Hepatocellular Carcinoma	Metastatic (Liver)
Note: HEPATOCLR CARC TGLs = 3-4,			
Lymph Node	Mesenteric	Hemorrhage	Marked
Note: HEMORRHAGE TGLs = 1-7,			
Spleen		Hematopoietic Cell Proliferation	Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05070-02

Test Type: CHRONIC

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Vinyl toluene

CAS Number: 25013-15-4

Date Report Requested: 10/23/2014

Time Report Requested: 13:42:43

First Dose M/F: NA / NA

Lab: MIDWEST

ANIMAL ID: 36

TRT#: 5

SEX: Male

DAY ON TEST: 733

DOSE: 25 PPM

DISP: Terminal Sacrifice

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Medulla	Bone	Bone Marrow	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	Larynx
Lymph Node - Mesenteric	Mammary Gland	Pancreas	Parathyroid Gland
Pituitary Gland	Prostate	Salivary Glands	Seminal Vesicle
Skin	Spleen	Stomach - Forestomach	Stomach - Glandular
Testes	Thymus	Thyroid Gland	Trachea
Urinary Bladder			

MISSING

Lymph Node - Mandibular

OBSERVATIONS

Adrenal Gland	Capsule	Hyperplasia	Multifocal, Marked
	Cortex	Hyperplasia	Focal, Mild
Brain		Mineralization	Multifocal, Mild
Liver		Fibrosis	Focal, Mild
Note: FIBROSIS TGLs = 1-5,			
Lung	Alveolus, Bronchiole	Inflammation	Chronic Active, Multifocal, Mild
Nose	Respirat Epith	Hyperplasia	Marked
	Mucosa	Inflammation	Chronic Active, Moderate

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05070-02
Test Type: CHRONIC
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Vinyl toluene
CAS Number: 25013-15-4

Date Report Requested: 10/23/2014
Time Report Requested: 13:42:43
First Dose M/F: NA / NA
Lab: MIDWEST

ANIMAL ID: 36	TRT#: 6 DOSE: 10 PPM	SEX: Male DISP: Terminal Sacrifice	DAY ON TEST: 733 HISTO:
ORGAN AND ACCOUNTABLE SITE STATUS			
NORMAL			
Skin	Urinary Bladder		
OBSERVATIONS			
Intestine Small Note: ADENOCARC TGLs = 8-4	Jejunum	Adenocarcinoma	
Lung Note: CONGESTION TGLs = 2-1 [Inflammation TGLS = 3+4+5-1]	Alveolus, Bronchiole	Congestion Inflammation	Moderate Chronic Active, Multifocal, Moderate
Lymph Node Note: HEMORRHAGE TGLs = 7-3	Mesenteric Mesenteric Mesenteric	Hematopoietic Cell Proliferation Hemorrhage Hyperplasia	Mild Mild Lymphoid, Mild
Nose	Respirat Epith Mucosa	Hyperplasia Inflammation	Moderate Chronic Active, Mild
PRIMARY CAUSE OF DEATH	-		

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05070-02

Test Type: CHRONIC

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Vinyl toluene

CAS Number: 25013-15-4

Date Report Requested: 10/23/2014

Time Report Requested: 13:42:43

First Dose M/F: NA / NA

Lab: MIDWEST

ANIMAL ID: 37

TRT#: 4

SEX: Male

DAY ON TEST: 732

DOSE: CONTROL

DISP: Terminal Sacrifice

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Bone Marrow	Ear	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	Larynx	Liver
Lymph Node - Mandibular	Mammary Gland	Nose	Pancreas
Parathyroid Gland	Pituitary Gland	Prostate	Seminal Vesicle
Skin	Spleen	Stomach - Forestomach	Stomach - Glandular
Testes	Thymus	Thyroid Gland	Trachea
Urinary Bladder			

MISSING

Lymph Node - Mesenteric

OBSERVATIONS

Adrenal Gland	Cortex	Adenoma	
	Cortex	Hyperplasia	Focal, Moderate
	Medulla	Hyperplasia	Focal, Minimal
	Cortex	Hypertrophy	Multifocal, Mild
Bone		Osteoma	
Note: NEOPLASM(?) INVOLVES MAXILLA, TEETH AND PERIODONTAL TISSUE			
Brain		Mineralization	Multifocal, Mild
Lung		Alveolar/Bronchiolar Adenoma	
Note: ALV BRON ADEN TGLs = 1-10.1,			
Salivary Glands		Infiltration Cellular	Lymphocyte, Multifocal, Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05070-02

Test Type: CHRONIC

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Vinyl toluene

CAS Number: 25013-15-4

Date Report Requested: 10/23/2014

Time Report Requested: 13:42:43

First Dose M/F: NA / NA

Lab: MIDWEST

ANIMAL ID: 37

TRT#: 5

SEX: Male

DAY ON TEST: 733

DOSE: 25 PPM

DISP: Terminal Sacrifice

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex

Adrenal Gland - 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

Larynx

Lymph Node - Mandibular

Lymph Node - Mesenteric

Pancreas

Parathyroid Gland

Pituitary Gland

Prostate

Seminal Vesicle

Spleen

Stomach - Forestomach

Stomach - Glandular

Testes

Thyroid Gland

Trachea

Urinary Bladder

MISSING

Mammary Gland

INSUFFICIENT TISSUE

Thymus

OBSERVATIONS

Adrenal Gland

Capsule

Hyperplasia

Multifocal, Mild

Liver

Hepatocellular Carcinoma

Note: HEPATOCLR CARC TGLs = 9-5,

Lung

Alveolus, Bronchiole

Inflammation

Chronic Active, Multifocal, Marked

Note: INFLAMMATION TGLs = 3+4+5+6+7+8-4+4.1,

Nose

Respirat Epith

Hyperplasia

Marked

Mucosa

Inflammation

Chronic Active, Mild

Salivary Glands

Infiltration Cellular

Lymphocyte, Multifocal, Minimal

Skin

Subcut Tiss

Hemangioma

Note: HEMANGIOMA TGLs = 2-10,

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05070-02
Test Type: CHRONIC
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Vinyl toluene
CAS Number: 25013-15-4

Date Report Requested: 10/23/2014
Time Report Requested: 13:42:43
First Dose M/F: NA / NA
Lab: MIDWEST

ANIMAL ID: 37	TRT#: 6 DOSE: 10 PPM	SEX: Male DISP: Natural Death	DAY ON TEST: 602 HISTO:
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ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Bone	Bone Marrow	Epididymis	Heart
Liver	Lymph Node - Mandibular	Pituitary Gland	Salivary Glands
Seminal Vesicle	Skin	Testes	

MISSING

Esophagus	Intestine Small - Ileum	Intestine Small - Jejunum	Lymph Node - Mesenteric
Mammary Gland	Parathyroid Gland	Thyroid Gland	Trachea

AUTO PRECLUDES DIAG.

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Gallbladder	Intestine Large - Cecum
Intestine Large - Colon	Intestine Large - Rectum	Intestine Small - Duodenum	Islets, Pancreatic
Kidney	Pancreas	Preputial Gland	Prostate
Spleen	Stomach - Forestomach	Stomach - Glandular	Thymus
Urinary Bladder			

OBSERVATIONS

Brain		Mineralization	Multifocal, Mild
Lung	Alveolus, Bronchiole	Inflammation	Chronic Active, Multifocal, Mild
Nose	Respirat Epith	Hyperplasia	Moderate

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05070-02

Test Type: CHRONIC

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Vinyl toluene

CAS Number: 25013-15-4

Date Report Requested: 10/23/2014

Time Report Requested: 13:42:43

First Dose M/F: NA / NA

Lab: MIDWEST

ANIMAL ID: 38

TRT#: 4

SEX: Male

DAY ON TEST: 707

DOSE: CONTROL

DISP: Natural Death

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex
Brain
Intestine Large - Cecum
Larynx
Pituitary Gland
Spleen
Thymus

Adrenal Gland - Medulla
Epididymis
Intestine Large - Colon
Liver
Prostate
Stomach - Forestomach
Thyroid Gland

Bone
Esophagus
Intestine Large - Rectum
Pancreas
Salivary Glands
Stomach - Glandular
Trachea

Bone Marrow
Heart
Kidney
Parathyroid Gland
Seminal Vesicle
Testes
Urinary Bladder

MISSING

Gallbladder Mammary Gland

AUTO PRECLUDES DIAG.

Intestine Small

OBSERVATIONS

Adrenal Gland
Islets, Pancreatic
Lung

Capsule

Hyperplasia
Hyperplasia
Alveolar/Bronchiolar Adenoma

Multifocal, Mild
Multifocal, Mild

Note: ALV BRON ADEN TGLs = 2-10,
Lymph Node

Mesenteric
Mandibular
Respirat Epith
Subcut Tiss
Subcut Tiss

Hemorrhage
Hyperplasia
Hyperplasia
Cyst
Inflammation

Marked
Reticulum Cell, Mild
Minimal
Moderate
Granulomatous, Focal, Moderate

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05070-02

Test Type: CHRONIC

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Vinyl toluene

CAS Number: 25013-15-4

Date Report Requested: 10/23/2014

Time Report Requested: 13:42:43

First Dose M/F: NA / NA

Lab: MIDWEST

ANIMAL ID: 38

TRT#: 5

SEX: Male

DAY ON TEST: 733

DOSE: 25 PPM

DISP: Terminal Sacrifice

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Bone Marrow
Epididymis	Esophagus	Gallbladder	Heart
Intestine Large - Cecum	Intestine Large - Colon	Intestine Large - Rectum	Intestine Small - Duodenum
Intestine Small - Ileum	Intestine Small - Jejunum	Larynx	Lung
Lymph Node - Mandibular	Lymph Node - Mesenteric	Pancreas	Pituitary Gland
Prostate	Seminal Vesicle	Skin	Spleen
Stomach - Forestomach	Stomach - Glandular	Testes	Thymus
Thyroid Gland	Trachea	Urinary Bladder	

MISSING

Mammary Gland

OBSERVATIONS

Adrenal Gland	Capsule	Hyperplasia	Multifocal, Mild
Brain		Mineralization	Multifocal, Minimal
Islets, Pancreatic		Hyperplasia	Multifocal, Mild
Kidney		Infiltration Cellular	Lymphocyte, Multifocal, Minimal
Liver		Hepatocellular Adenoma	
Note: [HEPATOCLR ADEN] TGLs = 3-5			
Nose	Respirat Epith Mucosa	Hyperplasia	Marked
		Inflammation	Chronic Active, Moderate
Parathyroid Gland		Infiltration Cellular	Lymphocyte, Focal, Mild
Preputial Gland		Cyst	
Note: CYST TGLs = 2-10			
Salivary Glands		Infiltration Cellular	Lymphocyte, Multifocal, Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05070-02
Test Type: CHRONIC
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Vinyl toluene
CAS Number: 25013-15-4

Date Report Requested: 10/23/2014
Time Report Requested: 13:42:43
First Dose M/F: NA / NA
Lab: MIDWEST

ANIMAL ID: 38	TRT#: 6 DOSE: 10 PPM	SEX: Male DISP: Natural Death	DAY ON TEST: 682 HISTO:
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ORGAN AND ACCOUNTABLE SITE STATUS

AUTO PRECLUDES DIAG.

Gallbladder

OBSERVATIONS

Liver		Hepatocellular Carcinoma	
Note: HEPATOCLR CARC	TGLs = 3-3		
Lung		Hepatocellular Carcinoma	Metastatic (Liver)
Note: HEPATOCLR CARC	TGLs = 1+2-1		
Nose	Respirat Epith Mucosa	Hyperplasia Inflammation	Moderate Chronic Active, Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05070-02

Test Type: CHRONIC

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Vinyl toluene

CAS Number: 25013-15-4

Date Report Requested: 10/23/2014

Time Report Requested: 13:42:43

First Dose M/F: NA / NA

Lab: MIDWEST

ANIMAL ID: 39

TRT#: 4

SEX: Male

DAY ON TEST: 731

DOSE: CONTROL

DISP: Terminal Sacrifice

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Bone Marrow
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
Larynx	Lymph Node - Mandibular	Nose	Pancreas
Pituitary Gland	Prostate	Seminal Vesicle	Skin
Spleen	Stomach - Forestomach	Stomach - Glandular	Testes
Thymus	Thyroid Gland	Trachea	Urinary Bladder

MISSING

Lymph Node - Mesenteric	Mammary Gland	Parathyroid Gland
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OBSERVATIONS

Adrenal Gland	Capsule	Hyperplasia	Multifocal, Moderate
Brain		Mineralization	Multifocal, Mild
Liver		Hepatocellular Carcinoma	
Note: HEPATOCLR CARC TGLs = 4-10,			
Lung		Alveolar/Bronchiolar Adenoma	
Note: GROSS LESION IN APICAL LOBE ACTUALLY IN CARDIAC LOBE			
Note: ALV BRON ADEN TGLs = 2-4,			
Salivary Glands		Infiltration Cellular	Lymphocyte, Multifocal, Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05070-02

Test Type: CHRONIC

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Vinyl toluene

CAS Number: 25013-15-4

Date Report Requested: 10/23/2014

Time Report Requested: 13:42:43

First Dose M/F: NA / NA

Lab: MIDWEST

ANIMAL ID: 39

TRT#: 5

SEX: Male

DAY ON TEST: 733

DOSE: 25 PPM

DISP: Terminal Sacrifice

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Bone Marrow
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
Larynx	Liver	Lung	Lymph Node - Mandibular
Mammary Gland	Pancreas	Pituitary Gland	Prostate
Seminal Vesicle	Skin	Spleen	Stomach - Forestomach
Stomach - Glandular	Testes	Thymus	Thyroid Gland
Trachea	Urinary Bladder		

MISSING

Parathyroid Gland

OBSERVATIONS

Adrenal Gland	Capsule	Hyperplasia	Multifocal, Mild
Brain		Mineralization	Multifocal, Minimal
Lymph Node	Mesenteric	Hemorrhage	Mild
Nose	Respirat Epith	Hyperplasia	Marked
	Mucosa	Inflammation	Chronic Active, Moderate
Preputial Gland		Cyst	
Note: CYST	TGLs = 1-10		
Salivary Glands		Infiltration Cellular	Lymphocyte, Multifocal, Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05070-02
Test Type: CHRONIC
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Vinyl toluene
CAS Number: 25013-15-4

Date Report Requested: 10/23/2014
Time Report Requested: 13:42:43
First Dose M/F: NA / NA
Lab: MIDWEST

ANIMAL ID: 39	TRT#: 6 DOSE: 10 PPM	SEX: Male DISP: Terminal Sacrifice	DAY ON TEST: 732 HISTO:
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ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL			
Lung	Urinary Bladder		

OBSERVATIONS			
Lymph Node Note: ANGIECTASIS TGLs = 3-3		Angiectasis	Focal, Mild
Nose	Respirat Epith Mucosa	Hyperplasia Inflammation	Marked Chronic Active, Mild
Preputial Gland		Inflammation	Chronic, Minimal

PRIMARY CAUSE OF DEATH	-
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* PROTOCOL REQUIRED TISSUE

Experiment Number: 05070-02

Test Type: CHRONIC

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Vinyl toluene

CAS Number: 25013-15-4

Date Report Requested: 10/23/2014

Time Report Requested: 13:42:43

First Dose M/F: NA / NA

Lab: MIDWEST

ANIMAL ID: 40

TRT#: 4

SEX: Male

DAY ON TEST: 714

DOSE: CONTROL

DISP: Moribund Sacrifice

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex
Epididymis
Intestine Large - Colon
Intestine Small - Jejunum
Pancreas
Stomach - Forestomach
Trachea

Adrenal Gland - Medulla
Gallbladder
Intestine Large - Rectum
Larynx
Pituitary Gland
Stomach - Glandular
Urinary Bladder

Bone
Heart
Intestine Small - Duodenum
Liver
Prostate
Testes

Brain
Intestine Large - Cecum
Intestine Small - Ileum
Nose
Seminal Vesicle
Thyroid Gland

MISSING

Mammary Gland

Parathyroid Gland

Thymus

OBSERVATIONS

Adrenal Gland
Bone Marrow
Esophagus
Islets, Pancreatic
Kidney

Capsule
Myeloid Cell

Hyperplasia
Hyperplasia
Inflammation
Hyperplasia
Hydronephrosis
Infiltration Cellular

Multifocal, Minimal
Mild
Chronic Active, Moderate
Multifocal, Mild
Mild
Lymphocyte, Multifocal, Minimal

Note: HYDRONEPHROSIS TGLs = 4-6,
Lung

Note: ALV BRON ADEN TGLs = 5-10,
Lymph Node

Mesenteric
Mesenteric
Mandibular

Alveolar/Bronchiolar Adenoma
Hematopoietic Cell Proliferation
Hemorrhage
Hyperplasia

Moderate
Mild
Reticulum Cell, Moderate

Note: HEMA CELL PROL TGLs = 3-7,
Note: HEMORRHAGE TGLs = 3-7,

Salivary Glands
Skin
Spleen

Prepuce

Infiltration Cellular
Necrosis
Hematopoietic Cell Proliferation

Lymphocyte, Multifocal, Mild
Marked
Moderate

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05070-02

Test Type: CHRONIC

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Vinyl toluene

CAS Number: 25013-15-4

Date Report Requested: 10/23/2014

Time Report Requested: 13:42:43

First Dose M/F: NA / NA

Lab: MIDWEST

ANIMAL ID: 40

TRT#: 5

SEX: Male

DAY ON TEST: 733

DOSE: 25 PPM

DISP: Terminal Sacrifice

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Medulla	Bone	Bone Marrow	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	Larynx
Liver	Lymph Node - Mesenteric	Pancreas	Parathyroid Gland
Pituitary Gland	Prostate	Salivary Glands	Seminal Vesicle
Skin	Spleen	Stomach - Forestomach	Testes
Thymus	Thyroid Gland	Trachea	Urinary Bladder

MISSING

Lymph Node - Mandibular	Mammary Gland
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OBSERVATIONS

Adrenal Gland	Capsule	Hyperplasia	Multifocal, Mild
	Cortex	Hyperplasia	Focal, Mild
	Cortex	Hypertrophy	Focal, Mild
Brain		Mineralization	Multifocal, Minimal
Lung	Alveolus, Bronchiole	Inflammation	Chronic Active, Multifocal, Marked
Note: INFLAMMATION	TGLs = 3+4-4,		
Nose	Respirat Epith	Hyperplasia	Marked
	Mucosa	Inflammation	Chronic Active, Moderate
Stomach	Glandular	Inflammation	Chronic Active, Focal, Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05070-02
Test Type: CHRONIC
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Vinyl toluene
CAS Number: 25013-15-4

Date Report Requested: 10/23/2014
Time Report Requested: 13:42:43
First Dose M/F: NA / NA
Lab: MIDWEST

ANIMAL ID: 40	TRT#: 6 DOSE: 10 PPM	SEX: Male DISP: Terminal Sacrifice	DAY ON TEST: 732 HISTO:
ORGAN AND ACCOUNTABLE SITE STATUS			
NORMAL			
Seminal Vesicle	Thymus	Urinary Bladder	
OBSERVATIONS			
Liver Note: HEPATOCLR ADEN TGLs = 6-4.1+4.2		Hepatocellular Adenoma	
Lung Note: INFLAMMATION TGLs = 2-1 [Inflammation TGLS = 3-1]	Mediastinum Pleura Alveolus, Bronchiole	Infiltration Cellular Infiltration Cellular Inflammation	Lymphocyte, Multifocal, Mild Lymphocyte, Marked Chronic Active, Multifocal, Marked
Lymph Node	Mediastinal	Hyperplasia	Lymphoid, Moderate
Nose	Respirat Epith Mucosa	Hyperplasia Inflammation	Moderate Chronic Active, Moderate
PRIMARY CAUSE OF DEATH	-		

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05070-02

Test Type: CHRONIC

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Vinyl toluene

CAS Number: 25013-15-4

Date Report Requested: 10/23/2014

Time Report Requested: 13:42:43

First Dose M/F: NA / NA

Lab: MIDWEST

ANIMAL ID: 41

TRT#: 4

SEX: Male

DAY ON TEST: 735

DOSE: CONTROL

DISP: Terminal Sacrifice

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Bone Marrow
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	Nose	Pancreas
Parathyroid Gland	Pituitary Gland	Prostate	Salivary Glands
Seminal Vesicle	Skin	Spleen	Stomach - Forestomach
Stomach - Glandular	Testes	Thymus	Thyroid Gland
Trachea	Urinary Bladder		

MISSING

Larynx	Mammary Gland
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OBSERVATIONS

Adrenal Gland	Capsule	Hyperplasia	Multifocal, Moderate
Brain		Mineralization	Multifocal, Mild
Kidney		Infiltration Cellular	Lymphocyte, Multifocal, Minimal
Lymph Node	Mesenteric	Hemorrhage	Moderate

Note: HEMORRHAGE TGLs = 2-7+7.1,

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05070-02
Test Type: CHRONIC
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Vinyl toluene
CAS Number: 25013-15-4

Date Report Requested: 10/23/2014
Time Report Requested: 13:42:43
First Dose M/F: NA / NA
Lab: MIDWEST

ANIMAL ID: 41	TRT#: 5 DOSE: 25 PPM	SEX: Male DISP: Moribund Sacrifice	DAY ON TEST: 574 HISTO:
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ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Bone	Bone Marrow	Brain	Esophagus
Heart	Intestine Large - Cecum	Intestine Small - Duodenum	Islets, Pancreatic
Kidney	Larynx	Lymph Node - Mandibular	Mammary Gland
Pancreas	Salivary Glands	Skin	Spleen

MISSING

Adrenal Gland	Epididymis	Gallbladder	Intestine Large - Colon
Intestine Large - Rectum	Intestine Small - Ileum	Intestine Small - Jejunum	Liver
Lung	Lymph Node - Mesenteric	Nose	Parathyroid Gland
Pituitary Gland	Prostate	Stomach	Testes
Thymus	Thyroid Gland	Trachea	Urinary Bladder

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05070-02
Test Type: CHRONIC
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Vinyl toluene
CAS Number: 25013-15-4

Date Report Requested: 10/23/2014
Time Report Requested: 13:42:43
First Dose M/F: NA / NA
Lab: MIDWEST

ANIMAL ID: 41	TRT#: 6 DOSE: 10 PPM	SEX: Male DISP: Moribund Sacrifice	DAY ON TEST: 695 HISTO:
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ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Gallbladder	Lung	Skin	Urinary Bladder
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OBSERVATIONS

Intestine Small Note: POLYP ADENOMAT TGLs = 7-4	Duodenum	Polyp Adenomatous	
Liver		Necrosis	Acute, Focal, Mild
Lymph Node	Mesenteric	Hematopoietic Cell Proliferation	Minimal
Nose	Respirat Epith Mucosa	Hyperplasia Inflammation	Marked Chronic Active, Mild
Spleen Note: HEMA CELL PROL TGLs = 6-4+4.1		Hematopoietic Cell Proliferation	Marked

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05070-02

Test Type: CHRONIC

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Vinyl toluene

CAS Number: 25013-15-4

Date Report Requested: 10/23/2014

Time Report Requested: 13:42:43

First Dose M/F: NA / NA

Lab: MIDWEST

ANIMAL ID: 42

TRT#: 4

SEX: Male

DAY ON TEST: 735

DOSE: CONTROL

DISP: Terminal Sacrifice

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - 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	Larynx	Liver	Lung
Lymph Node - Mandibular	Lymph Node - Mesenteric	Pancreas	Pituitary Gland
Prostate	Seminal Vesicle	Skin	Spleen
Stomach - Forestomach	Stomach - Glandular	Thymus	Thyroid Gland
Trachea	Urinary Bladder		

MISSING

Mammary Gland	Parathyroid Gland
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OBSERVATIONS

Adrenal Gland	Capsule	Hyperplasia	Multifocal, Moderate
Nose	Mucosa	Inflammation	Chronic, Minimal
Preputial Gland		Cyst	Marked
Note: CYST IS KERATIN-FILLED			
Note: CYST TGLs = 2-10,			
Salivary Glands		Infiltration Cellular	Lymphocyte, Multifocal, Mild
Testes	Seminif Tub	Degeneration	Multifocal, Moderate

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05070-02

Test Type: CHRONIC

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Vinyl toluene

CAS Number: 25013-15-4

Date Report Requested: 10/23/2014

Time Report Requested: 13:42:43

First Dose M/F: NA / NA

Lab: MIDWEST

ANIMAL ID: 42

TRT#: 5

SEX: Male

DAY ON TEST: 683

DOSE: 25 PPM

DISP: Moribund Sacrifice

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Bone Marrow
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
Larynx	Liver	Lung	Pancreas
Pituitary Gland	Prostate	Seminal Vesicle	Skin
Spleen	Stomach - Forestomach	Stomach - Glandular	Thymus
Tissue NOS	Trachea	Urinary Bladder	

MISSING

Lymph Node - Mandibular	Lymph Node - Mesenteric	Mammary Gland	Parathyroid Gland
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OBSERVATIONS

Adrenal Gland	Capsule	Hyperplasia	Multifocal, Mild
Brain	Artery, Meninges	Inflammation	Chronic, Multifocal, Moderate
Nose	Respirat Epith	Hyperplasia	Marked
	Mucosa	Inflammation	Chronic Active, Mild
Salivary Glands		Infiltration Cellular	Lymphocyte, Multifocal, Mild
Testes	Seminif Tub	Atrophy	Moderate
Thyroid Gland		Inflammation	Chronic, Focal, Mild

Note: INFLAMMATION IS AROUND SMALL ARTERY.

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05070-02
Test Type: CHRONIC
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Vinyl toluene
CAS Number: 25013-15-4

Date Report Requested: 10/23/2014
Time Report Requested: 13:42:43
First Dose M/F: NA / NA
Lab: MIDWEST

ANIMAL ID: 42

TRT#: 6

SEX: Male

DAY ON TEST: 550

DOSE: 10 PPM

DISP: Moribund Sacrifice

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

Intestine Large - Cecum	Mammary Gland
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OBSERVATIONS

Brain		Mineralization	Multifocal, Mild
Islets, Pancreatic		Hyperplasia	Multifocal, Mild
Kidney		Inflammation	Acute, Focal, Minimal
Liver		Necrosis	Acute, Focal, Minimal
Nose	Respirat Epith	Hyperplasia	Moderate
	Mucosa	Inflammation	Chronic Active, Minimal
Preputial Gland		Abscess	Marked
Note: ABSCESS	TGLs = 1-10		
Thymus		Depletion Lymphoid	Moderate
		Inflammation	Acute, Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05070-02

Test Type: CHRONIC

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Vinyl toluene

CAS Number: 25013-15-4

Date Report Requested: 10/23/2014

Time Report Requested: 13:42:43

First Dose M/F: NA / NA

Lab: MIDWEST

ANIMAL ID: 43

TRT#: 4

SEX: Male

DAY ON TEST: 734

DOSE: CONTROL

DISP: Terminal Sacrifice

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Medulla	Bone	Bone Marrow	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	Larynx
Lung	Lymph Node - Mandibular	Nose	Parathyroid Gland
Pituitary Gland	Prostate	Seminal Vesicle	Skin
Spleen	Stomach - Forestomach	Stomach - Glandular	Testes
Thyroid Gland	Trachea	Urinary Bladder	

MISSING

Mammary Gland	Thymus
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OBSERVATIONS

Adrenal Gland	Cortex	Hyperplasia	Multifocal, Moderate
Brain		Mineralization	Multifocal, Marked
Liver		Hepatocellular Adenoma	
Note: HEPATOCLR ADEN TGLs = 2-5,			
Lymph Node	Mesenteric	Hemorrhage	Mild
Pancreas		Infiltration Cellular	Lymphocyte, Multifocal, Mild
Preputial Gland		Abscess	Marked
Note: ABSCESS TGLs = 1-10,			
Salivary Glands		Infiltration Cellular	Lymphocyte, Multifocal, Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05070-02

Test Type: CHRONIC

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Vinyl toluene

CAS Number: 25013-15-4

Date Report Requested: 10/23/2014

Time Report Requested: 13:42:43

First Dose M/F: NA / NA

Lab: MIDWEST

ANIMAL ID: 43

TRT#: 5

SEX: Male

DAY ON TEST: 735

DOSE: 25 PPM

DISP: Terminal Sacrifice

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Medulla
Esophagus
Intestine Large - Colon
Intestine Small - Jejunum
Pancreas
Seminal Vesicle
Stomach - Glandular
Trachea

Bone Marrow
Gallbladder
Intestine Large - Rectum
Islets, Pancreatic
Parathyroid Gland
Skin
Testes
Urinary Bladder

Brain
Heart
Intestine Small - Duodenum
Larynx
Pituitary Gland
Spleen
Thymus

Epididymis
Intestine Large - Cecum
Intestine Small - Ileum
Mammary Gland
Prostate
Stomach - Forestomach
Thyroid Gland

MISSING

Lymph Node - Mandibular

Lymph Node - Mesenteric

OBSERVATIONS

Adrenal Gland

Capsule
Cortex

Hyperplasia
Hypertrophy
Osteoporosis
Infiltration Cellular
Hepatocellular Adenoma

Multifocal, Mild
Focal, Mild
Focal, Mild
Lymphocyte, Multifocal, Minimal

Bone
Kidney
Liver

Note: HEPATOCLR ADEN TGLs = 5-5,

Lung

Alveolus, Bronchiole

Inflammation

Chronic Active, Multifocal, Moderate

Note: INFLAMMATION TGLs = 1+2+3+4-4+4.1,

Nose

Respirat Epith
Mucosa

Hyperplasia
Inflammation

Marked
Chronic Active, Moderate

Salivary Glands

Infiltration Cellular

Lymphocyte, Multifocal, Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05070-02

Test Type: CHRONIC

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Vinyl toluene

CAS Number: 25013-15-4

Date Report Requested: 10/23/2014

Time Report Requested: 13:42:43

First Dose M/F: NA / NA

Lab: MIDWEST

ANIMAL ID: 43

TRT#: 6

SEX: Male

DAY ON TEST: 582

DOSE: 10 PPM

DISP: Moribund Sacrifice

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex
Epididymis
Intestine Large - Rectum
Kidney
Pancreas
Salivary Glands
Stomach - Glandular
Trachea

Adrenal Gland - Medulla
Gallbladder
Intestine Small - Ileum
Larynx
Parathyroid Gland
Seminal Vesicle
Testes
Urinary Bladder

Bone
Intestine Large - Cecum
Intestine Small - Jejunum
Liver
Pituitary Gland
Spleen
Thymus

Bone Marrow
Intestine Large - Colon
Islets, Pancreatic
Lymph Node - Mesenteric
Prostate
Stomach - Forestomach
Thyroid Gland

MISSING

Intestine Small - Duodenum

Lymph Node - Mandibular

Mammary Gland

OBSERVATIONS

Adrenal Gland
Brain
Esophagus
Heart

Capsule

Hyperplasia
Mineralization
Inflammation
Cardiomyopathy

Multifocal, Minimal
Multifocal, Mild
Chronic Active, Mild
Mild

Lung
Lymph Node
Nose

Artery
Alveolus, Bronchiole
Inguinal
Respirat Epith
Mucosa
Arteriole

Inflammation
Inflammation
Hyperplasia
Hyperplasia
Inflammation
Inflammation

Chronic Active, Mild
Chronic Active, Multifocal, Minimal
Lymphoid, Mild
Moderate
Chronic Active, Minimal
Chronic Active, Moderate

Skeletal Muscle

Note: MUSCLE OF LARYNX

Skin

Subcut Tiss

Abscess
Inflammation
Ulcer

Marked
Chronic Active, Marked
Marked

Note: INFLAMMATION TGLs = 1-10

Note: ABSCESS TGLs = 1-10

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05070-02

Test Type: CHRONIC

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Vinyl toluene

CAS Number: 25013-15-4

Date Report Requested: 10/23/2014

Time Report Requested: 13:42:43

First Dose M/F: NA / NA

Lab: MIDWEST

ANIMAL ID: 44

TRT#: 4

SEX: Male

DAY ON TEST: 734

DOSE: CONTROL

DISP: Terminal Sacrifice

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Medulla	Bone	Bone Marrow	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	Larynx
Liver	Lung	Lymph Node - Mandibular	Mammary Gland
Nose	Pancreas	Parathyroid Gland	Pituitary Gland
Prostate	Seminal Vesicle	Skin	Spleen
Stomach - Forestomach	Stomach - Glandular	Testes	Trachea
Urinary Bladder			

MISSING

Thymus

OBSERVATIONS

Adrenal Gland	Capsule	Hyperplasia	Multifocal, Moderate
	Cortex	Hyperplasia	Focal, Mild
	Cortex	Hypertrophy	Multifocal, Mild
Brain		Mineralization	Multifocal, Minimal
Lymph Node	Mesenteric	Hemorrhage	Mild
Note: HEMORRHAGE TGLs = 2-7,			
Preputial Gland		Abscess	Mild
		Inflammation	Chronic Active, Marked
Salivary Glands		Infiltration Cellular	Lymphocyte, Multifocal, Minimal
Thyroid Gland	Follicular Cel	Adenoma	

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05070-02

Test Type: CHRONIC

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Vinyl toluene

CAS Number: 25013-15-4

Date Report Requested: 10/23/2014

Time Report Requested: 13:42:43

First Dose M/F: NA / NA

Lab: MIDWEST

ANIMAL ID: 44

TRT#: 5

SEX: Male

DAY ON TEST: 703

DOSE: 25 PPM

DISP: Moribund Sacrifice

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

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	Kidney	Larynx
Lymph Node - Mandibular	Lymph Node - Mesenteric	Mammary Gland	Pancreas
Parathyroid Gland	Pituitary Gland	Prostate	Salivary Glands
Seminal Vesicle	Spleen	Stomach - Forestomach	Stomach - Glandular
Testes	Thyroid Gland	Trachea	Urinary Bladder

MISSING

Adrenal Gland	Thymus
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OBSERVATIONS

Eye Note: ULCER IN CORNEA Note: INFLAMMATION TGLs = 5-10,	Cornea, Left	Inflammation	Chronic Active, Marked
Liver Note: HEPATOCLR CARC TGLs = 4-12,		Hepatocellular Carcinoma Necrosis	Acute, Multifocal, Moderate
Lung Note: [INFILTRAT CELL] TGLs = 7-11		Infiltration Cellular	Histiocyte, Multifocal, Moderate
Nose	Respirat Epith Mucosa	Hyperplasia Inflammation	Marked Chronic Active, Moderate
Skin Note: FIBROSARC TGLs = 6-13,	Subcut Tiss	Fibrosarcoma	

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05070-02
Test Type: CHRONIC
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Vinyl toluene
CAS Number: 25013-15-4

Date Report Requested: 10/23/2014
Time Report Requested: 13:42:43
First Dose M/F: NA / NA
Lab: MIDWEST

ANIMAL ID: 44

TRT#: 6
DOSE: 10 PPM

SEX: Male
DISP: Terminal Sacrifice

DAY ON TEST: 735
HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Urinary Bladder

OBSERVATIONS

Lung	Bronchiole	Hyperplasia	Focal, Minimal
Nose	Respirat Epith Mucosa	Hyperplasia Inflammation	Moderate Chronic Active, Moderate

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05070-02
Test Type: CHRONIC
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Vinyl toluene
CAS Number: 25013-15-4

Date Report Requested: 10/23/2014
Time Report Requested: 13:42:43
First Dose M/F: NA / NA
Lab: MIDWEST

ANIMAL ID: 45	TRT#: 4 DOSE: CONTROL	SEX: Male DISP: Natural Death	DAY ON TEST: 648 HISTO:
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ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Bone	Epididymis	Esophagus	Heart
Liver	Lung	Nose	Parathyroid Gland
Salivary Glands	Skin	Testes	Thyroid Gland
Trachea			

MISSING

Adrenal Gland	Intestine Large	Intestine Small	Islets, Pancreatic
Larynx	Lymph Node - Mesenteric	Mammary Gland	Pancreas
Pituitary Gland	Spleen	Stomach	

AUTO PRECLUDES DIAG.

Bone Marrow	Gallbladder	Kidney	Lymph Node - Mandibular
Prostate	Seminal Vesicle	Thymus	Urinary Bladder

OBSERVATIONS

Brain	Mineralization	Multifocal, Mild
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PRIMARY CAUSE OF DEATH

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05070-02

Test Type: CHRONIC

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Vinyl toluene

CAS Number: 25013-15-4

Date Report Requested: 10/23/2014

Time Report Requested: 13:42:43

First Dose M/F: NA / NA

Lab: MIDWEST

ANIMAL ID: 45

TRT#: 5

SEX: Male

DAY ON TEST: 702

DOSE: 25 PPM

DISP: Moribund Sacrifice

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

Note: CYST TGLs = 3-12,

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05070-02
Test Type: CHRONIC
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Vinyl toluene
CAS Number: 25013-15-4

Date Report Requested: 10/23/2014
Time Report Requested: 13:42:43
First Dose M/F: NA / NA
Lab: MIDWEST

ANIMAL ID: 45	TRT#: 6 DOSE: 10 PPM	SEX: Male DISP: Natural Death	DAY ON TEST: 661 HISTO:
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ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Liver	Lung	Lymph Node	Seminal Vesicle
Urinary Bladder			

OBSERVATIONS

Liver			
Note: GROSS LESION CUT IN BUT NOT APPARENT IN SECTION			
Lymph Node			
Note: GROSS "SKIN NODULES" ARE NORMAL INGUINAL LYMPH NODES			
Nose	Respirat Epith Mucosa	Hyperplasia Inflammation	Moderate Chronic Active, Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05070-02
Test Type: CHRONIC
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Vinyl toluene
CAS Number: 25013-15-4

Date Report Requested: 10/23/2014
Time Report Requested: 13:42:43
First Dose M/F: NA / NA
Lab: MIDWEST

ANIMAL ID: 46	TRT#: 4 DOSE: CONTROL	SEX: Male DISP: Terminal Sacrifice	DAY ON TEST: 733 HISTO:
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ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone Marrow	Esophagus
Heart	Intestine Large - Cecum	Intestine Large - Colon	Intestine Large - Rectum
Intestine Small - Duodenum	Intestine Small - Ileum	Intestine Small - Jejunum	Kidney
Larynx	Liver	Lymph Node - Mandibular	Nose
Pancreas	Parathyroid Gland	Pituitary Gland	Prostate
Seminal Vesicle	Skin	Spleen	Stomach - Forestomach
Stomach - Glandular	Testes	Thymus	Thyroid Gland
Trachea	Urinary Bladder		

MISSING

Epididymis	Gallbladder	Mammary Gland
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OBSERVATIONS

Adrenal Gland	Capsule	Hyperplasia	Multifocal, Mild
Bone		Hyperostosis	Moderate
Brain		Mineralization	Multifocal, Marked
Islets, Pancreatic		Hyperplasia	Multifocal, Mild
Lung	Alveolar Epith	Hyperplasia	Focal, Marked
Lymph Node	Mesenteric	Hemorrhage	Moderate
Salivary Glands		Infiltration Cellular	Lymphocyte, Multifocal, Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05070-02

Test Type: CHRONIC

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Vinyl toluene

CAS Number: 25013-15-4

Date Report Requested: 10/23/2014

Time Report Requested: 13:42:43

First Dose M/F: NA / NA

Lab: MIDWEST

ANIMAL ID: 46

TRT#: 5

SEX: Male

DAY ON TEST: 735

DOSE: 25 PPM

DISP: Terminal Sacrifice

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Bone	Bone Marrow	Epididymis	Esophagus
Heart	Intestine Large - Cecum	Intestine Large - Colon	Intestine Large - Rectum
Intestine Small - Duodenum	Intestine Small - Ileum	Intestine Small - Jejunum	Islets, Pancreatic
Kidney	Larynx	Lung	Lymph Node - Mandibular
Mammary Gland	Pancreas	Parathyroid Gland	Pituitary Gland
Prostate	Seminal Vesicle	Skin	Spleen
Stomach - Forestomach	Stomach - Glandular	Testes	Thymus
Thyroid Gland	Trachea	Urinary Bladder	

MISSING

Gallbladder

OBSERVATIONS

Adrenal Gland	Capsule	Hyperplasia	Multifocal, Mild
	Cortex	Hyperplasia	Multifocal, Moderate
	Medulla	Pheochromocytoma Benign	
Brain		Mineralization	Multifocal, Mild
Liver		Fatty Change	Focal, Mild
Note: FATTY CHANGE	TGLs = 3-5,		
Lymph Node	Mesenteric	Hemorrhage	Marked
Note: HEMORRHAGE	TGLs = 2-7,		
Nose	Respirat Epith	Hyperplasia	Marked
	Mucosa	Inflammation	Chronic Active, Marked
Salivary Glands		Infiltration Cellular	Lymphocyte, Multifocal, Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05070-02
Test Type: CHRONIC
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Vinyl toluene
CAS Number: 25013-15-4

Date Report Requested: 10/23/2014
Time Report Requested: 13:42:43
First Dose M/F: NA / NA
Lab: MIDWEST

ANIMAL ID: 46

TRT#: 6
DOSE: 10 PPM

SEX: Male
DISP: Terminal Sacrifice

DAY ON TEST: 734
HISTO:

OBSERVATIONS

Lung
Nose

Bronchiole
Respirat Epith
Mucosa

Hyperplasia
Hyperplasia
Inflammation

Multifocal, Minimal
Marked
Chronic Active, Moderate

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05070-02

Test Type: CHRONIC

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Vinyl toluene

CAS Number: 25013-15-4

Date Report Requested: 10/23/2014

Time Report Requested: 13:42:43

First Dose M/F: NA / NA

Lab: MIDWEST

ANIMAL ID: 47

TRT#: 4

SEX: Male

DAY ON TEST: 588

DOSE: CONTROL

DISP: Natural Death

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Medulla	Bone	Bone Marrow	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	Larynx
Lymph Node - Mandibular	Nose	Pancreas	Pituitary Gland
Salivary Glands	Seminal Vesicle	Skin	Spleen
Testes	Trachea	Urinary Bladder	

MISSING

Mammary Gland	Parathyroid Gland	Stomach	Thymus
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OBSERVATIONS

Adrenal Gland	Cortex	Hyperplasia	Multifocal, Minimal
Brain		Mineralization	Multifocal, Moderate
Liver		Hepatocellular Adenoma	
		Hepatocellular Carcinoma	
		Inflammation	Acute, Multifocal, Moderate
Note: HEPATOCLR ADEN	TGLs = 4-5.2		
Note: HEPATOCLR CARC	TGLs = 3-5,		
Lung	Interstitium	Inflammation	Acute, Focal, Moderate
Lymph Node	Mesenteric	Hemorrhage	Moderate
	Inguinal	Hyperplasia	Reticulum Cell, Mild
Note: HEMORRHAGE	TGLs = 6-7,		
Mesentery		Infiltration Cellular	Lymphocyte, Multifocal, Moderate
Prostate		Inflammation	Suppurative, Acute, Marked
Thyroid Gland	Follicular Cel	Adenocarcinoma	
Note: ADENOCARC	TGLs = 5-2,		

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05070-02

Test Type: CHRONIC

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Vinyl toluene

CAS Number: 25013-15-4

Date Report Requested: 10/23/2014

Time Report Requested: 13:42:43

First Dose M/F: NA / NA

Lab: MIDWEST

ANIMAL ID: 47

TRT#: 5

SEX: Male

DAY ON TEST: 735

DOSE: 25 PPM

DISP: Terminal Sacrifice

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Bone Marrow
Brain	Epididymis	Esophagus	Gallbladder
Heart	Intestine Large - Cecum	Intestine Large - Colon	Intestine Large - Rectum
Intestine Small - Jejunum	Kidney	Larynx	Liver
Mammary Gland	Pancreas	Parathyroid Gland	Pituitary Gland
Prostate	Salivary Glands	Seminal Vesicle	Skin
Stomach - Forestomach	Stomach - Glandular	Testes	Thymus
Thyroid Gland	Trachea	Urinary Bladder	

MISSING

Intestine Small - Ileum	Lymph Node - Mandibular
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OBSERVATIONS

Adrenal Gland	Capsule	Hyperplasia	Multifocal, Mild
Intestine Small	Duodenum	Polyp Adenomatous	
Note: POLYP ADENOMAT TGLs = 2-7, Islets, Pancreatic			
Lung	Alveolus, Bronchiole	Hyperplasia	Multifocal, Mild
Lymph Node	Mesenteric	Inflammation	Chronic Active, Multifocal, Mild
Note: HEMORRHAGE TGLs = 3-7,		Hemorrhage	Mild
Nose	Respirat Epith	Hyperplasia	Marked
	Mucosa	Inflammation	Chronic Active, Marked
Spleen		Hematopoietic Cell Proliferation	Mild
		Hyperplasia	Plasma Cell, Moderate
Note: HYPERPLASIA TGLs = 1-5+5.1, Note: HEMA CELL PROL TGLs = 1-5+5.1,			

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05070-02
Test Type: CHRONIC
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Vinyl toluene
CAS Number: 25013-15-4

Date Report Requested: 10/23/2014
Time Report Requested: 13:42:43
First Dose M/F: NA / NA
Lab: MIDWEST

ANIMAL ID: 47

TRT#: 6
DOSE: 10 PPM

SEX: Male
DISP: Terminal Sacrifice

DAY ON TEST: 733
HISTO:

OBSERVATIONS

Lung
Nose

Alveolus
Respirat Epith
Mucosa

Inflammation
Hyperplasia
Inflammation

Chronic Active, Focal, Minimal
Marked
Chronic Active, Moderate

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05070-02

Test Type: CHRONIC

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Vinyl toluene

CAS Number: 25013-15-4

Date Report Requested: 10/23/2014

Time Report Requested: 13:42:43

First Dose M/F: NA / NA

Lab: MIDWEST

ANIMAL ID: 48

TRT#: 4

SEX: Male

DAY ON TEST: 514

DOSE: CONTROL

DISP: Natural Death

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex
Brain
Intestine Large - Colon
Lymph Node - Mandibular
Pituitary Gland
Stomach - Glandular

Adrenal Gland - Medulla
Epididymis
Intestine Small - Duodenum
Nose
Salivary Glands
Testes

Bone
Esophagus
Intestine Small - Jejunum
Pancreas
Skin
Trachea

Bone Marrow
Intestine Large - Cecum
Lung
Parathyroid Gland
Stomach - Forestomach

MISSING

Intestine Large - Rectum
Mammary Gland

Intestine Small - Ileum
Seminal Vesicle

Larynx

Lymph Node - Mesenteric

AUTO PRECLUDES DIAG.

Gallbladder

OBSERVATIONS

Heart

Ventricl Lft
Artery
Myocardium
Perivascular

Bacterium
Embolus
Inflammation
Inflammation

Single, Moderate
Chronic Active, Multifocal, Mild
Acute, Focal, Moderate

Note: BACTERIAL COLONY IN LUMEN OF LEFT VENTRICLE

Note: EMBOLUS IS BACTERIAL COLONY

Islets, Pancreatic

Kidney

Hyperplasia
Embolus
Inflammation

Multifocal, Moderate
Multifocal, Moderate
Suppurative, Acute, Multifocal, Marked

Note: INFLAMMATION TGLs = 7+8-10,

Note: EMBOLI ARE BACTERIAL COLONIES

Liver

Note: HEPATOCLR CARC TGLs = 6-8,

Preputial Gland

Hepatocellular Carcinoma

Abscess
Inflammation

Moderate
Chronic Active, Moderate

Note: ABSCESS TGLs = 2-5,

Prostate

Spleen

Inflammation
Hematopoietic Cell Proliferation

Chronic Active, Moderate
Mild

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05070-02
Test Type: CHRONIC
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Vinyl toluene
CAS Number: 25013-15-4

Date Report Requested: 10/23/2014
Time Report Requested: 13:42:43
First Dose M/F: NA / NA
Lab: MIDWEST

ANIMAL ID: 48

TRT#: 4

SEX: Male

DAY ON TEST: 514

DOSE: CONTROL

DISP: Natural Death

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

Thymus	Depletion Lymphoid	Marked
	Syncytial Alteration	Mild
Thyroid Gland	Ultimobranchial Cyst	
Urinary Bladder	Calculus Micro Observation Only	
	Embolus	Marked
	Inflammation	Chronic Active, Multifocal, Moderate

Note: EMBOLUS IS BACTERIAL COLONY

Note: CALCUS MIC OBS TGLs = 4-5

Note: BACTERIA IN CONCRETION MAY BE PM BACTERIA

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05070-02
Test Type: CHRONIC
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Vinyl toluene
CAS Number: 25013-15-4

Date Report Requested: 10/23/2014
Time Report Requested: 13:42:43
First Dose M/F: NA / NA
Lab: MIDWEST

ANIMAL ID: 48	TRT#: 5 DOSE: 25 PPM	SEX: Male DISP: Terminal Sacrifice	DAY ON TEST: 734 HISTO:
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ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Bone Marrow
Epididymis	Esophagus	Heart	Intestine Large - Cecum
Intestine Large - Rectum	Intestine Small - Duodenum	Intestine Small - Ileum	Intestine Small - Jejunum
Islets, Pancreatic	Kidney	Larynx	Lung
Pituitary Gland	Skin	Stomach - Forestomach	Stomach - Glandular
Testes	Thyroid Gland	Trachea	Urinary Bladder

MISSING

Gallbladder	Mammary Gland	Parathyroid Gland	Thymus
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OBSERVATIONS

Adrenal Gland	Capsule Capsule	Hyperplasia Sarcoma	Multifocal, Mild Metastatic (Uncertain Primary Site)
Note: SARCOMA TGLs = 5-6,			
Brain		Mineralization	Multifocal, Mild
Intestine Large	Colon, Serosa	Sarcoma	Metastatic (Uncertain Primary Site)
Liver		Cyst Multilocular Hepatocellular Carcinoma Sarcoma	Marked Multiple Metastatic (Uncertain Primary Site)
Note: CYST MULTILOC TGLs = 4-5, Note: HEPATOCLR CARC TGLs = 3-10,			
Lymph Node	Mesenteric Mandibular	Hemorrhage Hyperplasia	Moderate Reticulum Cell, Mild
Note: HEMORRHAGE TGLs = 2-7,			
Nose	Respirat Epith Mucosa	Hyperplasia Inflammation	Marked Chronic Active, Marked
Pancreas		Sarcoma	Metastatic (Uncertain Primary Site)
Prostate	Serosa	Sarcoma	Metastatic (Uncertain Primary Site)
Salivary Glands		Infiltration Cellular	Lymphocyte, Multifocal, Mild
Seminal Vesicle	Serosa	Sarcoma	Metastatic (Uncertain Primary Site)
Spleen	Capsule	Sarcoma	Metastatic (Uncertain Primary Site)

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05070-02

Test Type: CHRONIC

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Vinyl toluene

CAS Number: 25013-15-4

Date Report Requested: 10/23/2014

Time Report Requested: 13:42:43

First Dose M/F: NA / NA

Lab: MIDWEST

ANIMAL ID: 48

TRT#: 5

SEX: Male

DAY ON TEST: 734

DOSE: 25 PPM

DISP: Terminal Sacrifice

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

Animal Note: DIFF. DIAGNOSIS - SARCOMA VS. MALIGNANT MESOTHELIOMA

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05070-02
Test Type: CHRONIC
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Vinyl toluene
CAS Number: 25013-15-4

Date Report Requested: 10/23/2014
Time Report Requested: 13:42:43
First Dose M/F: NA / NA
Lab: MIDWEST

ANIMAL ID: 48	TRT#: 6 DOSE: 10 PPM	SEX: Male DISP: Terminal Sacrifice	DAY ON TEST: 733 HISTO:
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ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Skin	Urinary Bladder
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OBSERVATIONS

Lung		Infiltration Cellular	Histiocyte, Multifocal, Minimal
Nose	Respirat Epith Mucosa	Hyperplasia Inflammation	Marked Chronic Active, Marked

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05070-02

Test Type: CHRONIC

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Vinyl toluene

CAS Number: 25013-15-4

Date Report Requested: 10/23/2014

Time Report Requested: 13:42:43

First Dose M/F: NA / NA

Lab: MIDWEST

ANIMAL ID: 49

TRT#: 4

SEX: Male

DAY ON TEST: 733

DOSE: CONTROL

DISP: Terminal Sacrifice

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Medulla	Bone	Bone Marrow	Epididymis
Esophagus	Gallbladder	Heart	Intestine Large - Cecum
Intestine Large - Colon	Intestine Large - Rectum	Intestine Small - Duodenum	Intestine Small - Ileum
Intestine Small - Jejunum	Larynx	Lung	Lymph Node - Mandibular
Lymph Node - Mesenteric	Mammary Gland	Pancreas	Pituitary Gland
Prostate	Seminal Vesicle	Skin	Spleen
Stomach - Forestomach	Stomach - Glandular	Testes	Thymus
Thyroid Gland	Trachea	Urinary Bladder	

MISSING

Parathyroid Gland

OBSERVATIONS

Adrenal Gland	Capsule	Hyperplasia	Multifocal, Mild
	Cortex	Hyperplasia	Multifocal, Mild
Brain		Mineralization	Multifocal, Moderate
Islets, Pancreatic		Hyperplasia	Multifocal, Moderate
Kidney		Infiltration Cellular	Lymphocyte, Multifocal, Minimal
Liver		Fatty Change	Focal, Mild
Nose	Respirat Epith	Hyperplasia	Minimal
Salivary Glands		Infiltration Cellular	Lymphocyte, Multifocal, Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05070-02

Test Type: CHRONIC

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Vinyl toluene

CAS Number: 25013-15-4

Date Report Requested: 10/23/2014

Time Report Requested: 13:42:43

First Dose M/F: NA / NA

Lab: MIDWEST

ANIMAL ID: 49

TRT#: 5

SEX: Male

DAY ON TEST: 664

DOSE: 25 PPM

DISP: Natural Death

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - 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
Larynx	Pancreas	Parathyroid Gland	Prostate
Seminal Vesicle	Skin	Spleen	Stomach - Forestomach
Stomach - Glandular	Thymus	Thyroid Gland	Trachea
Urinary Bladder			

MISSING

Mammary Gland

AUTO PRECLUDES DIAG.

Gallbladder

INSUFFICIENT TISSUE

Pituitary Gland

OBSERVATIONS

Adrenal Gland	Capsule	Hyperplasia	Multifocal, Mild
Liver		Angiectasis	Multifocal, Moderate
		Necrosis	Acute, Multifocal, Marked
Note: HEMORRHAGE	TGLs = 4-5,		
Note: ANGIECTASIS	TGLs = 4-10,		
Lung	Alveolus, Bronchiole	Inflammation	Chronic Active, Multifocal, Mild
Lymph Node	Bronchial	Hemorrhage	Mild
	Mandibular	Hyperplasia	Reticulum Cell, Mild
	Mesenteric	Hyperplasia	Reticulum Cell, Mild
Note: HYPERPLASIA	TGLs = 2-7,		
Nose	Respirat Epith	Hyperplasia	Marked
	Mucosa	Inflammation	Chronic Active, Minimal
Salivary Glands		Infiltration Cellular	Lymphocyte, Multifocal, Mild
Testes	Seminif Tub	Atrophy	Marked

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05070-02
Test Type: CHRONIC
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Vinyl toluene
CAS Number: 25013-15-4

Date Report Requested: 10/23/2014
Time Report Requested: 13:42:43
First Dose M/F: NA / NA
Lab: MIDWEST

ANIMAL ID: 49

TRT#: 5
DOSE: 25 PPM

SEX: Male
DISP: Natural Death

DAY ON TEST: 664
HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

Note: HEMORRHAGE	TGLs = 3-8,	Left	Hemorrhage	Marked
PRIMARY CAUSE OF DEATH		-		

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05070-02
Test Type: CHRONIC
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Vinyl toluene
CAS Number: 25013-15-4

Date Report Requested: 10/23/2014
Time Report Requested: 13:42:43
First Dose M/F: NA / NA
Lab: MIDWEST

ANIMAL ID: 49

TRT#: 6

SEX: Male

DAY ON TEST: 686

DOSE: 10 PPM

DISP: Moribund Sacrifice

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Urinary Bladder

OBSERVATIONS

Lung	Alveolus, Bronchiole	Inflammation	Chronic Active, Focal, Minimal
Nose	Respirat Epith Mucosa	Hyperplasia Inflammation	Moderate Chronic Active, Minimal

PRIMARY CAUSE OF DEATH

-

Experiment Number: 05070-02
Test Type: CHRONIC
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Vinyl toluene
CAS Number: 25013-15-4

Date Report Requested: 10/23/2014
Time Report Requested: 13:42:43
First Dose M/F: NA / NA
Lab: MIDWEST

ANIMAL ID: 50 TRT#: 4 SEX: Male DAY ON TEST: 732
DOSE: CONTROL DISP: Terminal Sacrifice HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - 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
Liver	Lymph Node - Mandibular	Nose	Pancreas
Parathyroid Gland	Pituitary Gland	Prostate	Seminal Vesicle
Skin	Spleen	Stomach - Forestomach	Stomach - Glandular
Testes	Thymus	Thyroid Gland	Trachea
Urinary Bladder			

MISSING

Larynx	Mammary Gland
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OBSERVATIONS

Adrenal Gland	Capsule	Hyperplasia	Multifocal, Mild
	Cortex	Hyperplasia	Focal, Marked
	Cortex	Hypertrophy	Focal, Mild
Lung		Infiltration Cellular	Lymphocyte, Multifocal, Minimal
Lymph Node	Mesenteric	Hemorrhage	Moderate
Salivary Glands		Infiltration Cellular	Lymphocyte, Multifocal, Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05070-02

Test Type: CHRONIC

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Vinyl toluene

CAS Number: 25013-15-4

Date Report Requested: 10/23/2014

Time Report Requested: 13:42:43

First Dose M/F: NA / NA

Lab: MIDWEST

ANIMAL ID: 50

TRT#: 5

SEX: Male

DAY ON TEST: 734

DOSE: 25 PPM

DISP: Terminal Sacrifice

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex

Adrenal Gland - 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

Kidney

Larynx

Lymph Node - Mandibular

Pancreas

Parathyroid Gland

Pituitary Gland

Prostate

Seminal Vesicle

Skin

Spleen

Stomach - Forestomach

Stomach - Glandular

Testes

Thyroid Gland

Trachea

Urinary Bladder

MISSING

Lymph Node - Mesenteric

Mammary Gland

Thymus

OBSERVATIONS

Adrenal Gland

Capsule

Hyperplasia

Multifocal, Moderate

Islets, Pancreatic

Adenoma

Liver

Hepatocellular Carcinoma

Note: HEPATOCLR CARC TGLs = 2-5,

Lung

Alveolus, Bronchiole

Inflammation

Chronic Active, Multifocal, Moderate

Note: INFLAMMATION TGLs = 1-4,

Nose

Respirat Epith

Hyperplasia

Marked

Mucosa

Inflammation

Chronic Active, Marked

Salivary Glands

Infiltration Cellular

Lymphocyte, Multifocal, Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05070-02
Test Type: CHRONIC
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Vinyl toluene
CAS Number: 25013-15-4

Date Report Requested: 10/23/2014
Time Report Requested: 13:42:43
First Dose M/F: NA / NA
Lab: MIDWEST

ANIMAL ID: 50

TRT#: 6

SEX: Male

DAY ON TEST: 733

DOSE: 10 PPM

DISP: Terminal Sacrifice

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Skin

OBSERVATIONS

Lung	Alveolar Epith	Hyperplasia	Focal, Minimal
Nose	Respirat Epith	Hyperplasia	Moderate
	Mucosa	Inflammation	Chronic Active, Mild
Testes	Interstit Cell	Adenoma	

Note: ADENOMA TGLs = 2-3

PRIMARY CAUSE OF DEATH

-

Experiment Number: 05070-02

Test Type: CHRONIC

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Vinyl toluene

CAS Number: 25013-15-4

Date Report Requested: 10/23/2014

Time Report Requested: 13:42:43

First Dose M/F: NA / NA

Lab: MIDWEST

ANIMAL ID: 1

TRT#: 1

SEX: Female

DAY ON TEST: 735

DOSE: CONTROL

DISP: Terminal Sacrifice

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - 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	Lymph Node - Mandibular	Lymph Node - Mesenteric
Mammary Gland	Pancreas	Parathyroid Gland	Spleen
Stomach - Forestomach	Stomach - Glandular	Thymus	Thyroid Gland
Trachea			

MISSING

Larynx

OBSERVATIONS

Adrenal Gland	Capsule	Hyperplasia	Diffuse, Moderate
Brain		Mineralization	Multifocal, Mild
Kidney		Infiltration Cellular	Lymphocyte, Multifocal, Minimal
Liver		Inflammation	Subacute, Multifocal, Minimal
Lung		Infiltration Cellular	Lymphocyte, Multifocal, Mild
Nose	Respirat Epith Mucosa	Hyperplasia Inflammation	Minimal Chronic, Minimal
Ovary		Cyst	Mild
Note: CYST TGLs = 1-8,			
Pituitary Gland	Pars Distalis	Angiectasis	Focal, Moderate
Salivary Glands		Infiltration Cellular	Lymphocyte, Multifocal, Mild
Skin		Infiltration Cellular	Lymphocyte, Focal, Mild
Urinary Bladder		Infiltration Cellular	Lymphocyte, Multifocal, Mild
Uterus		Hyperplasia	Cystic, Moderate
Note: HYPERPLASIA TGLs = 2-8,			

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05070-02

Test Type: CHRONIC

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Vinyl toluene

CAS Number: 25013-15-4

Date Report Requested: 10/23/2014

Time Report Requested: 13:42:43

First Dose M/F: NA / NA

Lab: MIDWEST

ANIMAL ID: 1	TRT#: 2 DOSE: 25 PPM	SEX: Female DISP: Terminal Sacrifice	DAY ON TEST: 735 HISTO:
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ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - 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
Larynx	Lymph Node - Mandibular	Mammary Gland	Ovary
Pancreas	Parathyroid Gland	Pituitary Gland	Skin
Spleen	Stomach - Forestomach	Thymus	Thyroid Gland
Trachea	Urinary Bladder		

MISSING

Lymph Node - Mesenteric

OBSERVATIONS

Adrenal Gland	Capsule	Hyperplasia	Multifocal, Moderate
Liver		Inflammation	Subacute, Multifocal, Minimal
Lung	Alveolus, Bronchiole	Inflammation	Chronic Active, Multifocal, Moderate
Note: INFLAMMATION TGLs = 1+2+3-4,			
Nose	Respirat Epith Mucosa	Hyperplasia Inflammation	Marked Chronic Active, Moderate
Salivary Glands		Infiltration Cellular	Lymphocyte, Multifocal, Mild
Stomach	Glandular	Inflammation	Chronic Active, Focal, Mild
Uterus		Hyperplasia	Cystic, Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05070-02
Test Type: CHRONIC
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Vinyl toluene
CAS Number: 25013-15-4

Date Report Requested: 10/23/2014
Time Report Requested: 13:42:43
First Dose M/F: NA / NA
Lab: MIDWEST

ANIMAL ID: 1	TRT#: 3 DOSE: 10 PPM	SEX: Female DISP: Terminal Sacrifice	DAY ON TEST: 735 HISTO:
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ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Skin

OBSERVATIONS

Lung	Alveolus, Bronchiole	Inflammation	Chronic Active, Multifocal, Minimal
Nose	Respirat Epith Mucosa	Hyperplasia Inflammation	Moderate Chronic Active, Moderate
Ovary		Cyst	Marked
Note: CYST	TGLs = 2-3		
Uterus		Hyperplasia	Cystic, Mild
Note: HYPERPLASIA	TGLs = 3-3		

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05070-02
Test Type: CHRONIC
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Vinyl toluene
CAS Number: 25013-15-4

Date Report Requested: 10/23/2014
Time Report Requested: 13:42:43
First Dose M/F: NA / NA
Lab: MIDWEST

ANIMAL ID: 2	TRT#: 1 DOSE: CONTROL	SEX: Female DISP: Terminal Sacrifice	DAY ON TEST: 735 HISTO:
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ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - 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	Larynx
Lung	Lymph Node - Mandibular	Lymph Node - Mesenteric	Mammary Gland
Nose	Pancreas	Parathyroid Gland	Pituitary Gland
Skin	Spleen	Stomach - Forestomach	Stomach - Glandular
Thymus	Thyroid Gland	Trachea	

OBSERVATIONS

Adrenal Gland	Capsule	Hyperplasia	Multifocal, Mild
Brain		Mineralization	Multifocal, Minimal
Liver		Inflammation	Subacute, Multifocal, Minimal
Ovary		Hemorrhage	Focal, Moderate
Note: HEMORRHAGE	TGLs = 2-8,		
Salivary Glands		Infiltration Cellular	Lymphocyte, Multifocal, Mild
Urinary Bladder		Infiltration Cellular	Lymphocyte, Multifocal, Minimal
Uterus		Dilatation	Moderate
Note: DILATATION	TGLs = 1-8,		

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05070-02

Test Type: CHRONIC

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Vinyl toluene

CAS Number: 25013-15-4

Date Report Requested: 10/23/2014

Time Report Requested: 13:42:43

First Dose M/F: NA / NA

Lab: MIDWEST

ANIMAL ID: 2	TRT#: 2 DOSE: 25 PPM	SEX: Female DISP: Moribund Sacrifice	DAY ON TEST: 667 HISTO:
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ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Bone	Brain	Esophagus	Heart
Intestine Large - Cecum	Intestine Large - Colon	Intestine Large - Rectum	Intestine Small - Duodenum
Intestine Small - Ileum	Intestine Small - Jejunum	Islets, Pancreatic	Larynx
Mammary Gland	Pituitary Gland	Salivary Glands	Skin
Stomach - Forestomach	Stomach - Glandular	Thyroid Gland	Trachea

MISSING

Ovary	Parathyroid Gland	Urinary Bladder	Uterus
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OBSERVATIONS

Adrenal Gland	Cortex	Lymphoma Malignant Undifferentiated Cell Type	
Note: LYMPH MAL UNDF TGLs = 6+7-6, Note: 1991 CONVERSION DISCREPANCY. ORIGINAL DIAGNOSIS SITE NOT SPECIFIED.			
Bone Marrow		Lymphoma Malignant Undifferentiated Cell Type	
Gallbladder		Lymphoma Malignant Undifferentiated Cell Type	
Kidney		Lymphoma Malignant Undifferentiated Cell Type	
Note: LYMPH MAL UNDF TGLs = 8-6,			
Liver		Lymphoma Malignant Undifferentiated Cell Type	
Note: LYMPH MAL UNDF TGLs = 5-5,			
Lung	Alveolus, Bronchiole	Inflammation	Chronic Active, Multifocal, Minimal
		Lymphoma Malignant Undifferentiated Cell Type	
Lymph Node	Mandibular	Lymphoma Malignant Undifferentiated Cell Type	
	Mesenteric	Lymphoma Malignant Undifferentiated Cell Type	
Nose	Respirat Epith	Hyperplasia	Marked
	Mucosa	Inflammation	Chronic Active, Minimal
Pancreas	Acinus	Atrophy	Marked
		Lymphoma Malignant Undifferentiated Cell Type	
Note: LYMPH MAL UNDF TGLs = 4-3,			
Spleen		Infarct	Marked
		Lymphoma Malignant Undifferentiated Cell Type	
Note: INFARCT TGLs = 3-5, Note: LYMPH MAL UNDF TGLs = 2-5,			

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05070-02

Test Type: CHRONIC

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Vinyl toluene

CAS Number: 25013-15-4

Date Report Requested: 10/23/2014

Time Report Requested: 13:42:43

First Dose M/F: NA / NA

Lab: MIDWEST

ANIMAL ID: 2

TRT#: 2

SEX: Female

DAY ON TEST: 667

DOSE: 25 PPM

DISP: Moribund Sacrifice

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

Thymus

Lymphoma Malignant Undifferentiated Cell Type

Note: LYMPH MAL UNDF TGLs = 1-3,

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05070-02
Test Type: CHRONIC
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Vinyl toluene
CAS Number: 25013-15-4

Date Report Requested: 10/23/2014
Time Report Requested: 13:42:43
First Dose M/F: NA / NA
Lab: MIDWEST

ANIMAL ID: 2	TRT#: 3 DOSE: 10 PPM	SEX: Female DISP: Terminal Sacrifice	DAY ON TEST: 734 HISTO:
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ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Skin

OBSERVATIONS

Bone Note: BONE IS SKULL		Fibrous Osteodystrophy	Minimal
Lung		Infiltration Cellular	Lymphocyte, Multifocal, Minimal
Nose	Respirat Epith Mucosa	Hyperplasia Inflammation	Moderate Chronic Active, Mild
Uterus Note: HYPERPLASIA TGLs = 2-3		Hyperplasia	Cystic, Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05070-02

Test Type: CHRONIC

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Vinyl toluene

CAS Number: 25013-15-4

Date Report Requested: 10/23/2014

Time Report Requested: 13:42:43

First Dose M/F: NA / NA

Lab: MIDWEST

ANIMAL ID: 3	TRT#: 1 DOSE: CONTROL	SEX: Female DISP: Terminal Sacrifice	DAY ON TEST: 735 HISTO:
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ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Brain
Esophagus	Heart	Intestine Large - Cecum	Intestine Large - Colon
Intestine Large - Rectum	Intestine Small - Duodenum	Intestine Small - Ileum	Intestine Small - Jejunum
Islets, Pancreatic	Larynx	Mammary Gland	Nose
Parathyroid Gland	Pituitary Gland	Salivary Glands	Skin
Thyroid Gland	Trachea	Uterus	

AUTO PRECLUDES DIAG.

Gallbladder

OBSERVATIONS

Adrenal Gland	Capsule	Hyperplasia	Multifocal, Mild
Bone Marrow		Lymphoma Malignant Mixed	
Kidney		Lymphoma Malignant Mixed	
Lacrimal Gland		Lymphoma Malignant Mixed	
Liver		Lymphoma Malignant Mixed	
	Centrilobular	Necrosis	Diffuse, Moderate
Lung		Lymphoma Malignant Mixed	
Lymph Node	Axillary	Lymphoma Malignant Mixed	
	Lumbar	Lymphoma Malignant Mixed	
	Mandibular	Lymphoma Malignant Mixed	
	Mediastinal	Lymphoma Malignant Mixed	
	Mesenteric	Lymphoma Malignant Mixed	
Note: LYMPH MAL MIXD	TGLs = 6-3,		
Note: LYMPH MAL MIXD	TGLs = 2-10,		
Note: LYMPH MAL MIXD	TGLs = 8-11,		
Note: LYMPH MAL MIXD	TGLs = 7-13,		
Note: LYMPH MAL MIXD	TGLs = 3-2,		
Ovary		Lymphoma Malignant Mixed	
Pancreas		Lymphoma Malignant Mixed	
Spleen		Lymphoma Malignant Mixed	
Note: LYMPH MAL MIXD	TGLs = 4-5,		

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05070-02
Test Type: CHRONIC
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Vinyl toluene
CAS Number: 25013-15-4

Date Report Requested: 10/23/2014
Time Report Requested: 13:42:43
First Dose M/F: NA / NA
Lab: MIDWEST

ANIMAL ID: 3	TRT#: 1 DOSE: CONTROL	SEX: Female DISP: Terminal Sacrifice	DAY ON TEST: 735 HISTO:
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ORGAN AND ACCOUNTABLE SITE STATUS			
Stomach	Forestomach, Glandular	Lymphoma Malignant Mixed	
Thymus		Lymphoma Malignant Mixed	
Note: LYMPH MAL MIXD	TGLs = 9-3,		
Urinary Bladder		Lymphoma Malignant Mixed	

PRIMARY CAUSE OF DEATH	-		
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* PROTOCOL REQUIRED TISSUE

Experiment Number: 05070-02

Test Type: CHRONIC

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Vinyl toluene

CAS Number: 25013-15-4

Date Report Requested: 10/23/2014

Time Report Requested: 13:42:43

First Dose M/F: NA / NA

Lab: MIDWEST

ANIMAL ID: 3	TRT#: 2 DOSE: 25 PPM	SEX: Female DISP: Terminal Sacrifice	DAY ON TEST: 735 HISTO:
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ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Bone Marrow
Brain	Esophagus	Gallbladder	Heart
Intestine Large - Cecum	Intestine Large - Colon	Intestine Large - Rectum	Intestine Small - Duodenum
Intestine Small - Ileum	Islets, Pancreatic	Kidney	Larynx
Liver	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

Intestine Small - Jejunum

INSUFFICIENT TISSUE

Pituitary Gland

OBSERVATIONS

Adrenal Gland	Capsule	Hyperplasia	Diffuse, Moderate
Lung	Alveolus, Bronchiole	Inflammation	Chronic Active, Multifocal, Minimal
Nose	Respirat Epith	Hyperplasia	Marked
	Mucosa	Inflammation	Chronic Active, Moderate
Thyroid Gland	Follicle	Cyst	Moderate
Uterus		Dilatation	Marked
		Hyperplasia	Cystic, Mild

Note: HYPERPLASIA TGLs = 2-8,

Note: DILATATION TGLs = 1-8,

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05070-02
Test Type: CHRONIC
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Vinyl toluene
CAS Number: 25013-15-4

Date Report Requested: 10/23/2014
Time Report Requested: 13:42:43
First Dose M/F: NA / NA
Lab: MIDWEST

ANIMAL ID: 3	TRT#: 3 DOSE: 10 PPM	SEX: Female DISP: Terminal Sacrifice	DAY ON TEST: 735 HISTO:
OBSERVATIONS			
Lung		Crystals	Mild
	Alveolus, Bronchiole	Infiltration Cellular	Lymphocyte, Multifocal, Mild
Nose	Respirat Epith	Inflammation	Chronic Active, Multifocal, Moderate
	Mucosa	Hyperplasia	Moderate
Pituitary Gland	Pars Distalis	Inflammation	Chronic Active, Mild
Note: ADENOMA	TGLs = 2-3	Adenoma	
Uterus		Hyperplasia	Cystic, Mild
Note: HYPERPLASIA	TGLs = 1-3		
<hr/> PRIMARY CAUSE OF DEATH - <hr/>			

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05070-02

Test Type: CHRONIC

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Vinyl toluene

CAS Number: 25013-15-4

Date Report Requested: 10/23/2014

Time Report Requested: 13:42:43

First Dose M/F: NA / NA

Lab: MIDWEST

ANIMAL ID: 4	TRT#: 1 DOSE: CONTROL	SEX: Female DISP: Moribund Sacrifice	DAY ON TEST: 715 HISTO:
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ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Bone Marrow
Esophagus	Heart	Intestine Large - Cecum	Intestine Large - Rectum
Intestine Small - Duodenum	Intestine Small - Ileum	Intestine Small - Jejunum	Islets, Pancreatic
Larynx	Lymph Node - Mandibular	Mammary Gland	Nose
Ovary	Parathyroid Gland	Skin	Stomach - Forestomach
Stomach - Glandular	Thyroid Gland	Trachea	Urinary Bladder

OBSERVATIONS

Adrenal Gland	Capsule Cortex	Hyperplasia Lymphoma Malignant Histiocytic	Multifocal, Moderate
Note: 1991 CONVERSION DISCREPANCY. ORIGINAL DIAGNOSIS SITE NOT SPECIFIED			
Brain		Mineralization	Multifocal, Mild
Note: POSSIBLE FREEZING ARTIFACT			
Gallbladder		Dilatation	Marked
Note: DILATATION TGLs = 4-5,			
Intestine Large	Colon, Serosa	Lymphoma Malignant Histiocytic	
Kidney		Lymphoma Malignant Histiocytic	
Note: LYMPH MAL HIST TGLs = 5+6-6+6.1,			
Liver		Hematopoietic Cell Proliferation Hepatocellular Carcinoma Lymphoma Malignant Histiocytic	Multifocal, Marked
Note: HEPATOCLR CARC TGLs = 3-11,			
Lung	Peribronchiolr	Inflammation	Chronic Active, Multifocal, Minimal
Lymph Node	Axillary Mesenteric	Lymphoma Malignant Histiocytic Lymphoma Malignant Histiocytic	
Note: LYMPH MAL HIST TGLs = 1-7, Note: LYMPH MAL HIST TGLs = 7-12,			
Mesentery		Lymphoma Malignant Histiocytic	
Nose			
Note: MILD RETENTION OF SECRETION IN OLFACTORY MUCOSA			
Pancreas	Acinus	Atrophy	Moderate

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05070-02
Test Type: CHRONIC
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Vinyl toluene
CAS Number: 25013-15-4

Date Report Requested: 10/23/2014
Time Report Requested: 13:42:43
First Dose M/F: NA / NA
Lab: MIDWEST

ANIMAL ID: 4	TRT#: 1 DOSE: CONTROL	SEX: Female DISP: Moribund Sacrifice	DAY ON TEST: 715 HISTO:
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ORGAN AND ACCOUNTABLE SITE STATUS

Pituitary Gland	Pars Distalis	Lymphoma Malignant Histiocytic	
Salivary Glands		Angiectasis	Focal, Mild
Spleen		Infiltration Cellular	Lymphocyte, Multifocal, Mild
Thymus		Hematopoietic Cell Proliferation	Marked
Uterus		Depletion Lymphoid	Moderate
		Lymphoma Malignant Histiocytic	

Note: RETIC CELL TUMOR(LYMPH,MAL)IS TYPE A IN UTERUS,
Note: AND TYPE B IN OTHER ORGANS
Note: LYMPH MAL HIST TGLs = 2-10+10.1,

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05070-02

Test Type: CHRONIC

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Vinyl toluene

CAS Number: 25013-15-4

Date Report Requested: 10/23/2014

Time Report Requested: 13:42:43

First Dose M/F: NA / NA

Lab: MIDWEST

ANIMAL ID: 4	TRT#: 2 DOSE: 25 PPM	SEX: Female DISP: Terminal Sacrifice	DAY ON TEST: 734 HISTO:
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ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	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	Larynx
Lymph Node - Mandibular	Lymph Node - Mesenteric	Mammary Gland	Ovary
Pituitary Gland	Skin	Spleen	Stomach - Forestomach
Stomach - Glandular	Thyroid Gland	Trachea	Urinary Bladder

MISSING

Parathyroid Gland

OBSERVATIONS

Adrenal Gland	Capsule	Hyperplasia	Multifocal, Moderate
Bone		Fibrous Osteodystrophy	Mild
Liver		Inflammation	Subacute, Multifocal, Minimal
Lung		Infiltration Cellular	Lymphocyte, Multifocal, Mild
Nose	Alveolus, Bronchiole	Inflammation	Chronic Active, Multifocal, Minimal
	Respirat Epith	Hyperplasia	Marked
	Mucosa	Inflammation	Chronic Active, Moderate
Pancreas		Infiltration Cellular	Lymphocyte, Focal, Mild
Salivary Glands		Infiltration Cellular	Lymphocyte, Multifocal, Moderate
Thymus		Hyperplasia	Lymphoid, Mild
Uterus		Hyperplasia	Cystic, Mild

Note: HYPERPLASIA TGLs = 1-8,

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05070-02
Test Type: CHRONIC
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Vinyl toluene
CAS Number: 25013-15-4

Date Report Requested: 10/23/2014
Time Report Requested: 13:42:43
First Dose M/F: NA / NA
Lab: MIDWEST

ANIMAL ID: 4	TRT#: 3 DOSE: 10 PPM	SEX: Female DISP: Terminal Sacrifice	DAY ON TEST: 735 HISTO:
OBSERVATIONS			
Lung	Alveolus, Bronchiole	Inflammation	Chronic Active, Multifocal, Mild
Nose	Respirat Epith	Hyperplasia	Moderate
Uterus	Mucosa	Inflammation	Chronic Active, Mild
		Hyperplasia	Cystic, Moderate
Note: HYPERPLASIA TGLs = 1-3			
PRIMARY CAUSE OF DEATH -			

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05070-02

Test Type: CHRONIC

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Vinyl toluene

CAS Number: 25013-15-4

Date Report Requested: 10/23/2014

Time Report Requested: 13:42:43

First Dose M/F: NA / NA

Lab: MIDWEST

ANIMAL ID: 5

TRT#: 1

SEX: Female

DAY ON TEST: 733

DOSE: CONTROL

DISP: Terminal Sacrifice

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - 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	Larynx	Liver
Lung	Lymph Node - Mandibular	Lymph Node - Mesenteric	Mammary Gland
Nose	Pancreas	Parathyroid Gland	Pituitary Gland
Skin	Spleen	Stomach - Forestomach	Stomach - Glandular
Thyroid Gland	Trachea		

MISSING

Thymus

OBSERVATIONS

Adrenal Gland	Capsule	Hyperplasia	Diffuse, Marked
Brain		Mineralization	Multifocal, Minimal
Kidney		Infiltration Cellular	Lymphocyte, Multifocal, Mild
Ovary		Cyst	
		Infiltration Cellular	Lymphocyte, Mild
Note: CYST	TGLs = 4-8,		
Salivary Glands		Infiltration Cellular	Lymphocyte, Multifocal, Minimal
Urinary Bladder		Infiltration Cellular	Lymphocyte, Multifocal, Minimal
Uterus		Adenomyosis	Mild
		Hyperplasia	Cystic, Marked

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05070-02

Test Type: CHRONIC

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Vinyl toluene

CAS Number: 25013-15-4

Date Report Requested: 10/23/2014

Time Report Requested: 13:42:43

First Dose M/F: NA / NA

Lab: MIDWEST

ANIMAL ID: 5	TRT#: 2 DOSE: 25 PPM	SEX: Female DISP: Natural Death	DAY ON TEST: 464 HISTO:
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ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Medulla	Bone	Bone Marrow	Brain
Esophagus	Heart	Islets, Pancreatic	Kidney
Liver	Lymph Node - Mesenteric	Ovary	Pancreas
Parathyroid Gland	Pituitary Gland	Salivary Glands	Skin
Spleen	Stomach - Forestomach	Stomach - Glandular	Thyroid Gland
Trachea	Urinary Bladder	Uterus	

MISSING

Intestine Large - Cecum	Larynx	Lymph Node - Mandibular	Thymus
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AUTO PRECLUDES DIAG.

Gallbladder	Intestine Large - Colon	Intestine Large - Rectum	Intestine Small - Duodenum
Intestine Small - Ileum	Intestine Small - Jejunum		

OBSERVATIONS

Adrenal Gland	Cortex	Angiectasis	Multifocal, Moderate
	Capsule	Hyperplasia	Multifocal, Minimal
Lung		Alveolar/Bronchiolar Carcinoma	
		Infiltration Cellular	Histiocyte, Diffuse, Marked
	Alveolus, Bronchiole	Inflammation	Chronic Active, Multifocal, Mild
Note: ALV BRON CARC TGLs = 1-4,			
Lymph Node	Bronchial	Hyperplasia	Plasma Cell, Mild
Mammary Gland		Ectasia	Multifocal, Mild
Nose	Nasolacrim Dct	Hyperplasia	Mild
	Respirat Epith	Hyperplasia	Marked
	Mucosa	Inflammation	Chronic Active, Mild

PRIMARY CAUSE OF DEATH	-
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* PROTOCOL REQUIRED TISSUE

Experiment Number: 05070-02
Test Type: CHRONIC
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Vinyl toluene
CAS Number: 25013-15-4

Date Report Requested: 10/23/2014
Time Report Requested: 13:42:43
First Dose M/F: NA / NA
Lab: MIDWEST

ANIMAL ID: 5	TRT#: 3 DOSE: 10 PPM	SEX: Female DISP: Terminal Sacrifice	DAY ON TEST: 735 HISTO:
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ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Lung

OBSERVATIONS

Nose	Respirat Epith Mucosa	Hyperplasia Inflammation	Mild Chronic Active, Mild
Uterus		Hyperplasia	Cystic, Mild

Note: HYPERPLASIA TGLs = 1-3

PRIMARY CAUSE OF DEATH

-

Experiment Number: 05070-02

Test Type: CHRONIC

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Vinyl toluene

CAS Number: 25013-15-4

Date Report Requested: 10/23/2014

Time Report Requested: 13:42:43

First Dose M/F: NA / NA

Lab: MIDWEST

ANIMAL ID: 6	TRT#: 1 DOSE: CONTROL	SEX: Female DISP: Terminal Sacrifice	DAY ON TEST: 733 HISTO:
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ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - 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
Larynx	Liver	Lung	Lymph Node - Mandibular
Lymph Node - Mesenteric	Mammary Gland	Ovary	Pituitary Gland
Salivary Glands	Spleen	Stomach - Forestomach	Stomach - Glandular
Thyroid Gland	Trachea		

MISSING

Parathyroid Gland	Thymus	Urinary Bladder
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OBSERVATIONS

Adrenal Gland	Capsule	Hyperplasia	Multifocal, Marked
Eye	Cornea	Neovascularization	Moderate
Note: NEOVASCUZATION TGLs = 2-10,			
Nose		Foreign Body	Mild
	Respirat Epith	Hyperplasia	Minimal
	Mucosa	Inflammation	Chronic Active, Mild
	Nasolacrim Dct	Inflammation	Chronic, Mild
Pancreas		Inflammation	Chronic Active, Moderate
Skin		Inflammation	Chronic, Diffuse, Mild
Uterus		Hyperplasia	Cystic, Mild
Note: HYPERPLASIA TGLs = 3-8,			

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05070-02
Test Type: CHRONIC
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Vinyl toluene
CAS Number: 25013-15-4

Date Report Requested: 10/23/2014
Time Report Requested: 13:42:43
First Dose M/F: NA / NA
Lab: MIDWEST

ANIMAL ID: 6	TRT#: 2 DOSE: 25 PPM	SEX: Female DISP: Terminal Sacrifice	DAY ON TEST: 734 HISTO:
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ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Bone Marrow
Esophagus	Heart	Intestine Large - Cecum	Intestine Large - Colon
Intestine Large - Rectum	Intestine Small - Duodenum	Intestine Small - Ileum	Intestine Small - Jejunum
Islets, Pancreatic	Kidney	Larynx	Liver
Lymph Node - Mandibular	Lymph Node - Mesenteric	Mammary Gland	Ovary
Pancreas	Parathyroid Gland	Pituitary Gland	Skin
Spleen	Stomach - Forestomach	Stomach - Glandular	Thymus
Thyroid Gland	Trachea		

MISSING

Gallbladder

OBSERVATIONS

Adrenal Gland	Capsule	Hyperplasia	Multifocal, Marked
Brain		Mineralization	Multifocal, Mild
Lung		Alveolar/Bronchiolar Adenoma	
	Alveolus, Bronchiole	Inflammation	Chronic Active, Multifocal, Mild
Nose	Respirat Epith	Hyperplasia	Marked
	Mucosa	Inflammation	Chronic Active, Mild
Salivary Glands		Infiltration Cellular	Lymphocyte, Multifocal, Mild
Tooth		Developmental Malformation	
Urinary Bladder		Infiltration Cellular	Lymphocyte, Focal, Mild
Uterus		Hyperplasia	Cystic, Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05070-02
Test Type: CHRONIC
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Vinyl toluene
CAS Number: 25013-15-4

Date Report Requested: 10/23/2014
Time Report Requested: 13:42:43
First Dose M/F: NA / NA
Lab: MIDWEST

ANIMAL ID: 6	TRT#: 3 DOSE: 10 PPM	SEX: Female DISP: Terminal Sacrifice	DAY ON TEST: 734 HISTO:
OBSERVATIONS			
Bone Note: BONE OF SKULL		Fibrous Osteodystrophy	Minimal
Lung	Alveolus, Bronchiole	Infiltration Cellular Inflammation	Histiocyte, Focal, Mild Chronic Active, Focal, Moderate
Nose	Respirat Epith Mucosa	Hyperplasia Inflammation	Moderate Chronic Active, Mild
Ovary Note: ADENOMA TGLs = 1-3		Adenoma	
Uterus Note: HYPERPLASIA TGLs = 2-3		Hyperplasia	Cystic, Mild
<hr/> PRIMARY CAUSE OF DEATH - <hr/>			

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05070-02

Test Type: CHRONIC

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Vinyl toluene

CAS Number: 25013-15-4

Date Report Requested: 10/23/2014

Time Report Requested: 13:42:43

First Dose M/F: NA / NA

Lab: MIDWEST

ANIMAL ID: 7	TRT#: 1 DOSE: CONTROL	SEX: Female DISP: Natural Death	DAY ON TEST: 589 HISTO:
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ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Bone Marrow
Brain	Esophagus	Heart	Kidney
Larynx	Liver	Lymph Node - Mandibular	Mammary Gland
Nose	Pituitary Gland	Salivary Glands	Skin
Stomach - Glandular	Thymus	Thyroid Gland	Trachea
Urinary Bladder			

MISSING

Islets, Pancreatic	Lymph Node - Mesenteric	Ovary	Pancreas
Parathyroid Gland			

AUTO PRECLUDES DIAG.

Gallbladder	Intestine Large	Intestine Small	Spleen
Stomach - Forestomach			

OBSERVATIONS

Brain			
Note: POSSIBLE FREEZING ARTIFACT			
Lung		Infiltration Cellular	Histiocyte, Diffuse, Minimal
Note: HISTIOCYTES ARE PIGMENTED "HEART-FAILURE CELLS"			
Uterus		Hemorrhage	Acute, Marked
		Hyperplasia	Cystic, Moderate
Note: HEMORRHAGE TGLs = 1-10			

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05070-02

Test Type: CHRONIC

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Vinyl toluene

CAS Number: 25013-15-4

Date Report Requested: 10/23/2014

Time Report Requested: 13:42:43

First Dose M/F: NA / NA

Lab: MIDWEST

ANIMAL ID: 7

TRT#: 2

SEX: Female

DAY ON TEST: 733

DOSE: 25 PPM

DISP: Terminal Sacrifice

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex
Brain
Intestine Large - Colon
Intestine Small - Jejunum
Liver
Parathyroid Gland
Stomach - Glandular
Urinary Bladder

Adrenal Gland - Medulla
Esophagus
Intestine Large - Rectum
Islets, Pancreatic
Mammary Gland
Pituitary Gland
Thymus

Bone
Heart
Intestine Small - Duodenum
Kidney
Ovary
Spleen
Thyroid Gland

Bone Marrow
Intestine Large - Cecum
Intestine Small - Ileum
Larynx
Pancreas
Stomach - Forestomach
Trachea

MISSING

Gallbladder

INSUFFICIENT TISSUE

Lymph Node - Mesenteric

OBSERVATIONS

Adrenal Gland
Lung

Capsule

Hyperplasia
Alveolar/Bronchiolar Carcinoma
Infiltration Cellular

Diffuse, Marked

Lymph Node
Nose

Mandibular
Respirat Epith
Mucosa

Hyperplasia
Hyperplasia
Inflammation

Histiocyte, Multifocal, Mild
Lymphoid, Marked
Marked

Salivary Glands
Skin
Uterus

Infiltration Cellular
Inflammation
Dilatation
Inflammation

Chronic Active, Marked
Lymphocyte, Multifocal, Minimal
Chronic Active, Diffuse, Minimal
Marked
Chronic, Diffuse, Moderate

Note: DILATATION TGLs = 2-8,

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05070-02
Test Type: CHRONIC
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Vinyl toluene
CAS Number: 25013-15-4

Date Report Requested: 10/23/2014
Time Report Requested: 13:42:43
First Dose M/F: NA / NA
Lab: MIDWEST

ANIMAL ID: 7	TRT#: 3 DOSE: 10 PPM	SEX: Female DISP: Moribund Sacrifice	DAY ON TEST: 679 HISTO:
OBSERVATIONS			
Lung	Alveolus, Bronchiole	Inflammation	Chronic Active, Multifocal, Mild
Nose	Respirat Epith	Hyperplasia	Mild
	Mucosa	Inflammation	Chronic Active, Minimal
Skin	Subcut Tiss	Fibrosarcoma	
Note: FIBROSARC	TGLs = 2-3		
PRIMARY CAUSE OF DEATH			
-			

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05070-02

Test Type: CHRONIC

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Vinyl toluene

CAS Number: 25013-15-4

Date Report Requested: 10/23/2014

Time Report Requested: 13:42:43

First Dose M/F: NA / NA

Lab: MIDWEST

ANIMAL ID: 8	TRT#: 1 DOSE: CONTROL	SEX: Female DISP: Terminal Sacrifice	DAY ON TEST: 733 HISTO:
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ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	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	Larynx	Lymph Node - Mandibular	Mammary Gland
Pancreas	Pituitary Gland	Skin	Spleen
Stomach - Forestomach	Stomach - Glandular	Thymus	Trachea
Urinary Bladder			

MISSING

Lymph Node - Mesenteric	Parathyroid Gland
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OBSERVATIONS

Adrenal Gland	Capsule	Hyperplasia	Multifocal, Marked
Bone		Fibrous Osteodystrophy	Mild
Brain		Mineralization	Multifocal, Mild
Kidney		Cyst	Marked
		Infiltration Cellular	Lymphocyte, Multifocal, Mild
Liver		Vacuolization Cytoplasmic	Multifocal, Mild
Lung		Infiltration Cellular	Lymphocyte, Multifocal, Mild
Nose	Nasolacrim Dct	Inflammation	Chronic, Mild
Ovary		Cyst	Mild
Note: CYST TGLs = 2-10,			
Salivary Glands		Infiltration Cellular	Lymphocyte, Focal, Mild
Thyroid Gland	Follicular Cel	Hyperplasia	Focal, Mild
Uterus		Angiectasis	Marked
		Dilatation	Moderate
Note: [ANGIECTASIS] TGLs = 3-8.1+8			
Note: DILATATION TGLs = 1-8,			

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05070-02

Test Type: CHRONIC

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Vinyl toluene

CAS Number: 25013-15-4

Date Report Requested: 10/23/2014

Time Report Requested: 13:42:43

First Dose M/F: NA / NA

Lab: MIDWEST

ANIMAL ID: 8	TRT#: 2 DOSE: 25 PPM	SEX: Female DISP: Terminal Sacrifice	DAY ON TEST: 733 HISTO:
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ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - 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	Larynx
Lymph Node - Mesenteric	Mammary Gland	Ovary	Pancreas
Pituitary Gland	Spleen	Stomach - Forestomach	Stomach - Glandular
Thymus	Thyroid Gland	Trachea	Urinary Bladder

MISSING

Parathyroid Gland

OBSERVATIONS

Adrenal Gland	Capsule	Hyperplasia	Multifocal, Moderate
Kidney		Infiltration Cellular	Lymphocyte, Multifocal, Mild
Liver		Hepatocellular Adenoma	
Note: HEPATOCLR ADEN TGLs = 1-5,			
Lung		Infiltration Cellular	Lymphocyte, Multifocal, Moderate
	Alveolus	Inflammation	Chronic Active, Focal, Mild
Lymph Node	Mandibular	Hyperplasia	Lymphoid, Moderate
	Mediastinal	Hyperplasia	Lymphoid, Moderate
Nose	Respirat Epith	Hyperplasia	Marked
	Mucosa	Inflammation	Chronic Active, Mild
Salivary Glands		Infiltration Cellular	Lymphocyte, Multifocal, Mild
Skin		Inflammation	Chronic Active, Diffuse, Mild
Uterus		Hyperplasia	Cystic, Minimal
Note: HYPERPLASIA TGLs = 2-8,			

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05070-02
Test Type: CHRONIC
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Vinyl toluene
CAS Number: 25013-15-4

Date Report Requested: 10/23/2014
Time Report Requested: 13:42:43
First Dose M/F: NA / NA
Lab: MIDWEST

ANIMAL ID: 8	TRT#: 3 DOSE: 10 PPM	SEX: Female DISP: Terminal Sacrifice	DAY ON TEST: 733 HISTO:
OBSERVATIONS			
Liver Note: HEPATOCLR ADEN TGLs = 1-3		Hepatocellular Adenoma	
Lung	Bronchiole Alveolus, Bronchiole	Hyperplasia Inflammation	Multifocal, Mild Chronic Active, Focal, Minimal
Nose	Respirat Epith Mucosa	Exudate Hyperplasia Inflammation	Mild Moderate Chronic Active, Moderate
Uterus Note: HYPERPLASIA TGLs = 2-4		Hyperplasia	Cystic, Moderate
<hr/> PRIMARY CAUSE OF DEATH - <hr/>			

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05070-02

Test Type: CHRONIC

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Vinyl toluene

CAS Number: 25013-15-4

Date Report Requested: 10/23/2014

Time Report Requested: 13:42:43

First Dose M/F: NA / NA

Lab: MIDWEST

ANIMAL ID: 9	TRT#: 1 DOSE: CONTROL	SEX: Female DISP: Natural Death	DAY ON TEST: 728 HISTO:
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ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Bone Marrow
Brain	Esophagus	Gallbladder	Heart
Intestine Large - Cecum	Intestine Large - Colon	Intestine Small - Duodenum	Intestine Small - Ileum
Intestine Small - Jejunum	Larynx	Lung	Mammary Gland
Pituitary Gland	Salivary Glands	Skin	Stomach - Forestomach
Stomach - Glandular	Thyroid Gland	Trachea	Urinary Bladder

MISSING

Parathyroid Gland

OBSERVATIONS

Adrenal Gland	Capsule Cortex	Hyperplasia Lymphoma Malignant Mixed	Multifocal, Mild
Note: 1991 CONVERSIONN DISCREPANCY. ORIGINAL DIAGNOSIS SITE NOT SPECIFIED.			
Intestine Large	Rectum, Serosa	Lymphoma Malignant Mixed	
Islets, Pancreatic		Atrophy	Multifocal, Moderate
Kidney		Lymphoma Malignant Mixed	
Liver		Granuloma	Multifocal, Minimal
Lymph Node	Mandibular Mesenteric	Hyperplasia Lymphoma Malignant Mixed	Reticulum Cell, Moderate
Note: LYMPH MAL MIXD TGLs = 3-7,			
Nose	Nasolacrim Dct	Inflammation	Acute, Minimal
Ovary		Lymphoma Malignant Mixed	
Pancreas	Acinus	Atrophy Lymphoma Malignant Mixed	Marked
Spleen		Pigmentation	Hemosiderin, Mild
Thymus		Lymphoma Malignant Mixed	
Note: LYMPH MAL MIXD TGLs = 2-3,			
Uterus		Lymphoma Malignant Mixed	
Note: LYMPH MAL MIXD TGLs = 4-8,			

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05070-02
Test Type: CHRONIC
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Vinyl toluene
CAS Number: 25013-15-4

Date Report Requested: 10/23/2014
Time Report Requested: 13:42:43
First Dose M/F: NA / NA
Lab: MIDWEST

ANIMAL ID: 9	TRT#: 2 DOSE: 25 PPM	SEX: Female DISP: Terminal Sacrifice	DAY ON TEST: 733 HISTO:
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ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - 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
Larynx	Liver	Lymph Node - Mandibular	Lymph Node - Mesenteric
Mammary Gland	Ovary	Pancreas	Parathyroid Gland
Pituitary Gland	Skin	Spleen	Stomach - Forestomach
Stomach - Glandular	Thymus	Thyroid Gland	Trachea

OBSERVATIONS

Adrenal Gland	Capsule	Hyperplasia	Diffuse, Mild
Lung	Alveolus, Bronchiole	Inflammation	Chronic Active, Multifocal, Minimal
Nose	Respirat Epith	Hyperplasia	Marked
	Mucosa	Inflammation	Chronic Active, Mild
Salivary Glands		Infiltration Cellular	Lymphocyte, Multifocal, Mild
Urinary Bladder		Infiltration Cellular	Lymphocyte, Multifocal, Minimal
Uterus		Hyperplasia	Cystic, Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05070-02
Test Type: CHRONIC
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Vinyl toluene
CAS Number: 25013-15-4

Date Report Requested: 10/23/2014
Time Report Requested: 13:42:43
First Dose M/F: NA / NA
Lab: MIDWEST

ANIMAL ID: 9	TRT#: 3 DOSE: 10 PPM	SEX: Female DISP: Moribund Sacrifice	DAY ON TEST: 665 HISTO:
OBSERVATIONS			
Kidney Note: LYMPH MAL MIXD TGLs = 7+8-4		Lymphoma Malignant Mixed	
Liver Note: LYMPH MAL MIXD TGLs = 6-3		Lymphoma Malignant Mixed	
Lung		Lymphoma Malignant Mixed	
Lymph Node Note: LYMPH MAL MIXD TGLs = 9-4 Note: LYMPH MAL MIXD TGLs = 3-3	Lumbar Mesenteric	Lymphoma Malignant Mixed Lymphoma Malignant Mixed Lymphoma Malignant Mixed	
Nose Note: EDEMA TGLs = 1-5 Note: HEMORRHAGE TGLs = 2-5	Respirat Epith Mucosa	Hyperplasia Inflammation	Moderate Chronic Active, Mild
Skin Note: EDEMA TGLs = 1-5 Note: HEMORRHAGE TGLs = 2-5	Subcut Tiss Subcut Tiss	Edema Hemorrhage	Moderate Acute, Moderate
Spleen Note: LYMPH MAL MIXD TGLs = 4-3		Lymphoma Malignant Mixed	
Thymus		Lymphoma Malignant Mixed	
PRIMARY CAUSE OF DEATH	-		

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05070-02

Test Type: CHRONIC

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Vinyl toluene

CAS Number: 25013-15-4

Date Report Requested: 10/23/2014

Time Report Requested: 13:42:43

First Dose M/F: NA / NA

Lab: MIDWEST

ANIMAL ID: 10

TRT#: 1

SEX: Female

DAY ON TEST: 732

DOSE: CONTROL

DISP: Terminal Sacrifice

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Bone Marrow
Esophagus	Intestine Large - Cecum	Intestine Large - Colon	Intestine Large - Rectum
Intestine Small - Duodenum	Intestine Small - Ileum	Islets, Pancreatic	Larynx
Mammary Gland	Nose	Parathyroid Gland	Pituitary Gland
Skin	Spleen	Stomach - Forestomach	Stomach - Glandular
Thymus	Thyroid Gland	Trachea	

OBSERVATIONS

Adrenal Gland	Capsule	Hyperplasia	Multifocal, Moderate
Brain		Mineralization	Multifocal, Mild
Gallbladder		Infiltration Cellular	Lymphocyte, Minimal
Heart	Valve	Pigmentation	Hemosiderin, Multifocal, Mild
Intestine Small	Peyers Patch	Lymphoma Malignant Lymphocytic	
Note: LYMPH MAL LYMP TGLs = 2-3+3.1,			
Kidney		Lymphoma Malignant Lymphocytic	
Lacrimal Gland		Infiltration Cellular	Lymphocyte, Focal, Mild
Liver		Hepatocellular Carcinoma	
Note: HEPATOCLR CARC TGLs = 1-10,		Infiltration Cellular	Lymphocyte, Multifocal, Minimal
Lung		Infiltration Cellular	Lymphocyte, Multifocal, Mild
Lymph Node	Mesenteric	Hyperplasia	Lymphoid, Mild
Nose			
Note: MODERATE RETENTION OF SECRETION IN OLFACTORY EPITHELIUM			
Ovary		Cyst	Marked
Note: CYST TGLs = 3-8,			
Pancreas		Lymphoma Malignant Lymphocytic	
Salivary Glands		Lymphoma Malignant Lymphocytic	
Urinary Bladder		Infiltration Cellular	Lymphocyte, Multifocal, Minimal
Uterus		Hyperplasia	Cystic, Mild
Note: HYPERPLASIA TGLs = 4-8,			

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05070-02
Test Type: CHRONIC
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Vinyl toluene
CAS Number: 25013-15-4

Date Report Requested: 10/23/2014
Time Report Requested: 13:42:43
First Dose M/F: NA / NA
Lab: MIDWEST

ANIMAL ID: 10	TRT#: 2 DOSE: 25 PPM	SEX: Female DISP: Accidentally Killed	DAY ON TEST: 3 HISTO:
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ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Brain	Esophagus
Heart	Islets, Pancreatic	Kidney	Liver
Lung	Nose	Pancreas	Pituitary Gland
Salivary Glands	Skin	Stomach - Glandular	Trachea
Uterus			

MISSING

Bone	Bone Marrow	Larynx	Lymph Node - Mandibular
Mammary Gland	Ovary	Parathyroid Gland	Stomach - Forestomach
Thymus	Thyroid Gland	Urinary Bladder	

AUTO PRECLUDES DIAG.

Gallbladder	Intestine Large	Intestine Small
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OBSERVATIONS

Spleen	Depletion Lymphoid	Moderate
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PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05070-02
Test Type: CHRONIC
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Vinyl toluene
CAS Number: 25013-15-4

Date Report Requested: 10/23/2014
Time Report Requested: 13:42:43
First Dose M/F: NA / NA
Lab: MIDWEST

ANIMAL ID: 10	TRT#: 3 DOSE: 10 PPM	SEX: Female DISP: Moribund Sacrifice	DAY ON TEST: 693 HISTO:
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ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Skin

OBSERVATIONS

Kidney		Lymphoma Malignant Histiocytic	
Liver		Lymphoma Malignant Histiocytic	
Note: LYMPH MAL HIST	TGLs = 3+4-3		
Lung		Lymphoma Malignant Histiocytic	
Nose	Respirat Epith Mucosa	Hyperplasia Inflammation	Marked Chronic Active, Moderate
Spleen		Hematopoietic Cell Proliferation Lymphoma Malignant Histiocytic	Marked
Note: HEMA CELL PROL	TGLs = 2-3		
Note: LYMPH MAL HIST	TGLs = 2-3		

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05070-02
Test Type: CHRONIC
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Vinyl toluene
CAS Number: 25013-15-4

Date Report Requested: 10/23/2014
Time Report Requested: 13:42:43
First Dose M/F: NA / NA
Lab: MIDWEST

ANIMAL ID: 11

TRT#: 1
DOSE: CONTROL

SEX: Female
DISP: Terminal Sacrifice

DAY ON TEST: 732
HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Medulla	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
Larynx	Mammary Gland	Nose	Pancreas
Pituitary Gland	Skin	Stomach - Forestomach	Stomach - Glandular
Thymus	Thyroid Gland	Trachea	

MISSING

Parathyroid Gland

OBSERVATIONS

Adrenal Gland	Cortex Capsule	Degeneration Hyperplasia Fibrous Osteodystrophy	Fatty, Focal, Moderate Multifocal, Mild Moderate
Bone			
Note: IN MAXILLA AS WELL AS FEMUR			
Brain		Mineralization	Multifocal, Mild
Kidney		Infiltration Cellular	Lymphocyte, Multifocal, Moderate
Note: INFILTRAT CELL TGLs = 2-6,			
Lacrimal Gland		Infiltration Cellular	Lymphocyte, Mild
Liver	Bile Duct	Hyperplasia	Focal, Minimal
Lung		Infiltration Cellular	Lymphocyte, Multifocal, Mild
Lymph Node	Mesenteric Mandibular	Hyperplasia Pigmentation	Lymphoid, Mild Hemosiderin, Diffuse, Moderate
Nose			
Note: MILD RETENTION OF SECRETION IN OLFACTORY EPITHELIUM			
Ovary		Hemangioma	
Note: HEMANGIOMA TGLs = 1-8,			
Salivary Glands		Infiltration Cellular	Lymphocyte, Multifocal, Moderate
Spleen		Angiectasis	Mild
Urinary Bladder		Infiltration Cellular	Lymphocyte, Multifocal, Moderate
Uterus		Hyperplasia	Cystic, Moderate

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05070-02

Test Type: CHRONIC

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Vinyl toluene

CAS Number: 25013-15-4

Date Report Requested: 10/23/2014

Time Report Requested: 13:42:43

First Dose M/F: NA / NA

Lab: MIDWEST

ANIMAL ID: 11

TRT#: 1

SEX: Female

DAY ON TEST: 732

DOSE: CONTROL

DISP: Terminal Sacrifice

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05070-02

Test Type: CHRONIC

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Vinyl toluene

CAS Number: 25013-15-4

Date Report Requested: 10/23/2014

Time Report Requested: 13:42:43

First Dose M/F: NA / NA

Lab: MIDWEST

ANIMAL ID: 11

TRT#: 2

SEX: Female

DAY ON TEST: 733

DOSE: 25 PPM

DISP: Terminal Sacrifice

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex
Gallbladder
Intestine Large - Rectum
Islets, Pancreatic
Lymph Node - Mandibular
Salivary Glands
Stomach - Glandular
Urinary Bladder

Adrenal Gland - Medulla
Heart
Intestine Small - Duodenum
Kidney
Mammary Gland
Skin
Thymus

Bone Marrow
Intestine Large - Cecum
Intestine Small - Ileum
Larynx
Pancreas
Spleen
Thyroid Gland

Esophagus
Intestine Large - Colon
Intestine Small - Jejunum
Liver
Pituitary Gland
Stomach - Forestomach
Trachea

MISSING

Lymph Node - Mesenteric

Parathyroid Gland

OBSERVATIONS

Adrenal Gland
Bone
Brain
Lung
Nose

Ovary
Uterus

Capsule

Alveolus, Bronchiole
Respirat Epith
Mucosa

Hyperplasia
Fibrous Osteodystrophy
Mineralization
Inflammation
Hyperplasia
Inflammation
Angiectasis
Hyperplasia

Multifocal, Moderate
Mild
Multifocal, Minimal
Chronic Active, Multifocal, Mild
Marked
Chronic Active, Moderate
Minimal
Cystic, Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05070-02
Test Type: CHRONIC
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Vinyl toluene
CAS Number: 25013-15-4

Date Report Requested: 10/23/2014
Time Report Requested: 13:42:43
First Dose M/F: NA / NA
Lab: MIDWEST

ANIMAL ID: 11	TRT#: 3 DOSE: 10 PPM	SEX: Female DISP: Terminal Sacrifice	DAY ON TEST: 733 HISTO:
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ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL			
Lung	Skin		

OBSERVATIONS			
Nose	Respirat Epith Mucosa	Hyperplasia Inflammation	Moderate Chronic Active, Mild

PRIMARY CAUSE OF DEATH	-		
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* PROTOCOL REQUIRED TISSUE

Experiment Number: 05070-02

Test Type: CHRONIC

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Vinyl toluene

CAS Number: 25013-15-4

Date Report Requested: 10/23/2014

Time Report Requested: 13:42:43

First Dose M/F: NA / NA

Lab: MIDWEST

ANIMAL ID: 12

TRT#: 1

SEX: Female

DAY ON TEST: 731

DOSE: CONTROL

DISP: Terminal Sacrifice

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex
Esophagus
Intestine Large - Colon
Intestine Small - Jejunum
Liver
Nose
Spleen
Thyroid Gland

Adrenal Gland - Medulla
Gallbladder
Intestine Large - Rectum
Islets, Pancreatic
Lymph Node - Mandibular
Ovary
Stomach - Forestomach
Trachea

Bone Marrow
Heart
Intestine Small - Duodenum
Kidney
Lymph Node - Mesenteric
Pancreas
Stomach - Glandular

Brain
Intestine Large - Cecum
Intestine Small - Ileum
Larynx
Mammary Gland
Skin
Thymus

MISSING

Parathyroid Gland

OBSERVATIONS

Adrenal Gland
Bone
Lung
Mesentery
Pituitary Gland
Salivary Glands
Urinary Bladder
Uterus

Capsule

Pars Distalis

Hyperplasia
Fibrous Osteodystrophy
Infiltration Cellular
Infiltration Cellular
Angiectasis
Infiltration Cellular
Infiltration Cellular
Hyperplasia

Multifocal, Marked
Mild
Lymphocyte, Multifocal, Mild
Lymphocyte, Multifocal, Moderate
Focal, Mild
Lymphocyte, Multifocal, Mild
Lymphocyte, Multifocal, Marked
Cystic, Minimal

Note: HYPERPLASIA TGLs = 2-8,

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05070-02

Test Type: CHRONIC

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Vinyl toluene

CAS Number: 25013-15-4

Date Report Requested: 10/23/2014

Time Report Requested: 13:42:43

First Dose M/F: NA / NA

Lab: MIDWEST

ANIMAL ID: 12

TRT#: 2

SEX: Female

DAY ON TEST: 732

DOSE: 25 PPM

DISP: Terminal Sacrifice

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - 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
Larynx	Lymph Node - Mandibular	Lymph Node - Mesenteric	Mammary Gland
Ovary	Pituitary Gland	Skin	Spleen
Stomach - Forestomach	Stomach - Glandular	Thyroid Gland	Trachea

MISSING

Parathyroid Gland

OBSERVATIONS

Adrenal Gland	Capsule	Hyperplasia	Diffuse, Marked
Liver		Inflammation	Subacute, Multifocal, Minimal
Lung	Alveolus, Bronchiole	Inflammation	Chronic Active, Multifocal, Mild
Nose	Respirat Epith	Hyperplasia	Marked
	Mucosa	Inflammation	Chronic Active, Marked
Pancreas		Infiltration Cellular	Lymphocyte, Multifocal, Minimal
Salivary Glands		Hyperplasia	Lymphoid, Moderate
Thymus		Hyperplasia	Lymphoid, Mild
Urinary Bladder		Infiltration Cellular	Lymphocyte, Multifocal, Minimal
Uterus		Hyperplasia	Cystic, Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05070-02
Test Type: CHRONIC
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Vinyl toluene
CAS Number: 25013-15-4

Date Report Requested: 10/23/2014
Time Report Requested: 13:42:43
First Dose M/F: NA / NA
Lab: MIDWEST

ANIMAL ID: 12	TRT#: 3 DOSE: 10 PPM	SEX: Female DISP: Terminal Sacrifice	DAY ON TEST: 732 HISTO:
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ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Lung

OBSERVATIONS

Mesentery Note: NECROSIS TGLs = 1-4	Fat	Necrosis	Multifocal, Marked
Nose	Respirat Epith Mucosa	Hyperplasia Inflammation	Moderate Chronic Active, Mild
Ovary Note: CYST TGLs = 3-3		Cyst	Mild
Uterus Note: HYPERPLASIA TGLs = 2-3		Hyperplasia	Cystic, Moderate

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05070-02

Test Type: CHRONIC

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Vinyl toluene

CAS Number: 25013-15-4

Date Report Requested: 10/23/2014

Time Report Requested: 13:42:43

First Dose M/F: NA / NA

Lab: MIDWEST

ANIMAL ID: 13

TRT#: 1

SEX: Female

DAY ON TEST: 714

DOSE: CONTROL

DISP: Moribund Sacrifice

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Bone Marrow
Esophagus	Gallbladder	Intestine Large - Cecum	Intestine Large - Colon
Intestine Large - Rectum	Intestine Small - Duodenum	Intestine Small - Ileum	Intestine Small - Jejunum
Islets, Pancreatic	Kidney	Larynx	Liver
Lymph Node - Mandibular	Mammary Gland	Nose	Parathyroid Gland
Pituitary Gland	Salivary Glands	Skin	Stomach - Forestomach
Stomach - Glandular	Thyroid Gland	Trachea	Urinary Bladder
Uterus			

MISSING

Lymph Node - Mesenteric

OBSERVATIONS

Adrenal Gland	Capsule	Hyperplasia	Multifocal, Mild
Brain		Hemorrhage	Acute, Focal, Mild
		Hydrocephalus	Mild
Heart	Ventricle	Necrosis	Subacute, Focal, Moderate
Lung		Alveolar/Bronchiolar Carcinoma	
		Infiltration Cellular	Histiocyte, Diffuse, Moderate
Note: ALV BRON CARC TGLs = 3-10,			
Lymph Node	Mediastinal	Hemorrhage	Moderate
Ovary		Atrophy	Marked
Pancreas		Cytomegaly	Multifocal, Mild
Spleen		Pigmentation	Hemosiderin, Mild
Thymus		Depletion Lymphoid	Marked

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05070-02

Test Type: CHRONIC

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Vinyl toluene

CAS Number: 25013-15-4

Date Report Requested: 10/23/2014

Time Report Requested: 13:42:43

First Dose M/F: NA / NA

Lab: MIDWEST

ANIMAL ID: 13

TRT#: 2

SEX: Female

DAY ON TEST: 616

DOSE: 25 PPM

DISP: Natural Death

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex
Esophagus
Intestine Large - Rectum
Larynx
Parathyroid Gland
Spleen
Trachea

Adrenal Gland - Medulla
Gallbladder
Intestine Small - Duodenum
Mammary Gland
Pituitary Gland
Stomach - Forestomach
Uterus

Bone
Intestine Large - Cecum
Intestine Small - Ileum
Ovary
Salivary Glands
Stomach - Glandular

Bone Marrow
Intestine Large - Colon
Islets, Pancreatic
Pancreas
Skin
Thyroid Gland

MISSING

Lymph Node - Mandibular

Lymph Node - Mesenteric

AUTO PRECLUDES DIAG.

Intestine Small - Jejunum

OBSERVATIONS

Adrenal Gland
Brain
Heart
Kidney
Liver
Lung
Nose

Thymus
Urinary Bladder

Capsule

Cortex

Alveolus, Bronchiole
Respirat Epith
Mucosa

Serosa

Hyperplasia
Mineralization
Cardiomyopathy
Regeneration
Inflammation
Inflammation
Hyperplasia
Inflammation
Depletion Lymphoid
Inflammation
Perforation

Multifocal, Moderate
Multifocal, Minimal
Minimal
Multifocal, Mild
Subacute, Multifocal, Moderate
Chronic Active, Multifocal, Mild
Marked
Chronic Active, Moderate
Moderate
Chronic, Marked

Note: PERFORATION TGLs = 2-7,

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05070-02
Test Type: CHRONIC
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Vinyl toluene
CAS Number: 25013-15-4

Date Report Requested: 10/23/2014
Time Report Requested: 13:42:43
First Dose M/F: NA / NA
Lab: MIDWEST

ANIMAL ID: 13

TRT#: 3

SEX: Female

DAY ON TEST: 732

DOSE: 10 PPM

DISP: Terminal Sacrifice

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Skin

OBSERVATIONS

Lung

Infiltration Cellular

Histiocyte, Multifocal, Mild

Nose

Respirat Epith

Hyperplasia

Moderate

Mucosa

Inflammation

Chronic Active, Minimal

Uterus

Hyperplasia

Cystic, Mild

Polyp Stromal

Note: POLYP STROMAL TGLs = 2-4

Note: HYPERPLASIA TGLs = 2-4

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05070-02

Test Type: CHRONIC

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Vinyl toluene

CAS Number: 25013-15-4

Date Report Requested: 10/23/2014

Time Report Requested: 13:42:43

First Dose M/F: NA / NA

Lab: MIDWEST

ANIMAL ID: 14

TRT#: 2

SEX: Female

DAY ON TEST: 732

DOSE: 25 PPM

DISP: Terminal Sacrifice

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex
Esophagus
Intestine Large - Colon
Intestine Small - Jejunum
Lymph Node - Mesenteric
Pituitary Gland
Urinary Bladder

Adrenal Gland - Medulla
Gallbladder
Intestine Large - Rectum
Islets, Pancreatic
Mammary Gland
Stomach - Forestomach

Bone
Heart
Intestine Small - Duodenum
Liver
Ovary
Thymus

Bone Marrow
Intestine Large - Cecum
Intestine Small - Ileum
Lymph Node - Mandibular
Pancreas
Trachea

MISSING

Larynx Parathyroid Gland

OBSERVATIONS

Adrenal Gland
Brain
Kidney
Lacrimal Gland
Lung

Capsule

Hyperplasia
Mineralization
Infiltration Cellular
Infiltration Cellular
Infiltration Cellular
Infiltration Cellular

Diffuse, Marked
Multifocal, Mild
Lymphocyte, Multifocal, Mild
Lymphocyte, Focal, Mild
Lymphocyte, Multifocal, Mild
Histiocyte, Multifocal, Minimal
Marked
Chronic Active, Mild
Lymphocyte, Multifocal, Moderate

Nose

Respirat Epith
Mucosa

Hyperplasia
Inflammation
Infiltration Cellular
Sarcoma

Salivary Glands
Skin

Subcut Tiss

Hyperplasia
Infiltration Cellular
Hyperplasia
Hyperplasia

Lymphoid, Moderate
Lymphocyte, Multifocal, Minimal
Multifocal, Minimal
Cystic, Minimal

Note: SARCOMA TGLs = 1-10,

Spleen

Stomach

Glandular

Thyroid Gland

Follicular Cel

Uterus

Note: HYPERPLASIA TGLs = 3-8,

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05070-02
Test Type: CHRONIC
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Vinyl toluene
CAS Number: 25013-15-4

Date Report Requested: 10/23/2014
Time Report Requested: 13:42:43
First Dose M/F: NA / NA
Lab: MIDWEST

ANIMAL ID: 14

TRT#: 3
DOSE: 10 PPM

SEX: Female
DISP: Terminal Sacrifice

DAY ON TEST: 732
HISTO:

OBSERVATIONS

Lung		Infiltration Cellular	Histiocyte, Multifocal, Minimal
		Infiltration Cellular	Lymphocyte, Multifocal, Mild
Nose	Respirat Epith	Hyperplasia	Mild
	Mucosa	Inflammation	Chronic Active, Mild
Ovary		Cyst	Moderate
		Infiltration Cellular	Lymphocyte, Mild
Note: CYST	TGLs = 2-3		
Uterus		Hyperplasia	Cystic, Mild
Note: HYPERPLASIA	TGLs = 1-3		

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05070-02

Test Type: CHRONIC

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Vinyl toluene

CAS Number: 25013-15-4

Date Report Requested: 10/23/2014

Time Report Requested: 13:42:43

First Dose M/F: NA / NA

Lab: MIDWEST

ANIMAL ID: 15

TRT#: 1

SEX: Female

DAY ON TEST: 732

DOSE: CONTROL

DISP: Terminal Sacrifice

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex
Esophagus
Intestine Large - Colon
Intestine Small - Jejunum
Liver
Mammary Gland
Salivary Glands
Thyroid Gland

Adrenal Gland - Medulla
Gallbladder
Intestine Large - Rectum
Islets, Pancreatic
Lung
Nose
Skin
Trachea

Bone
Heart
Intestine Small - Duodenum
Kidney
Lymph Node - Mandibular
Ovary
Stomach - Forestomach
Urinary Bladder

Bone Marrow
Intestine Large - Cecum
Intestine Small - Ileum
Larynx
Lymph Node - Mesenteric
Pancreas
Stomach - Glandular

MISSING

Parathyroid Gland

Pituitary Gland

OBSERVATIONS

Adrenal Gland
Brain
Mesentery
Spleen
 Note: HYPERPLASIA TGLs = 1-5,
Thymus
Uterus
 Note: HYPERPLASIA TGLs = 2-8.1,

Capsule

Hyperplasia
Mineralization
Infiltration Cellular
Hyperplasia

Hyperplasia
Hyperplasia

Diffuse, Moderate
Multifocal, Mild
Lymphocyte, Multifocal, Minimal
Lymphoid, Mild

Lymphoid, Mild
Cystic, Moderate

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05070-02

Test Type: CHRONIC

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Vinyl toluene

CAS Number: 25013-15-4

Date Report Requested: 10/23/2014

Time Report Requested: 13:42:43

First Dose M/F: NA / NA

Lab: MIDWEST

ANIMAL ID: 15

TRT#: 2

SEX: Female

DAY ON TEST: 731

DOSE: 25 PPM

DISP: Terminal Sacrifice

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	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	Larynx
Lymph Node - Mandibular	Mammary Gland	Ovary	Pancreas
Parathyroid Gland	Pituitary Gland	Skin	Spleen
Stomach - Forestomach	Stomach - Glandular	Thymus	Thyroid Gland
Trachea	Urinary Bladder	Uterus	

MISSING

Lymph Node - Mesenteric

OBSERVATIONS

Adrenal Gland	Medulla	Amyloid Deposition	Mild
	Capsule	Hyperplasia	Multifocal, Moderate
Liver		Hemorrhage	Multifocal, Mild
		Inflammation	Subacute, Multifocal, Minimal
Note: HEMORRHAGE	TGLs = 1-5,		
Lung		Crystals	Marked
		Infiltration Cellular	Histiocyte, Multifocal, Moderate
	Alveolus, Bronchiole	Inflammation	Chronic Active, Multifocal, Mild
Nose	Respirat Epith	Hyperplasia	Marked
	Mucosa	Inflammation	Chronic Active, Mild
Salivary Glands		Infiltration Cellular	Lymphocyte, Multifocal, Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05070-02
Test Type: CHRONIC
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Vinyl toluene
CAS Number: 25013-15-4

Date Report Requested: 10/23/2014
Time Report Requested: 13:42:43
First Dose M/F: NA / NA
Lab: MIDWEST

ANIMAL ID: 15	TRT#: 3 DOSE: 10 PPM	SEX: Female DISP: Natural Death	DAY ON TEST: 679 HISTO:
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ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Lung	Skin
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OBSERVATIONS

Liver		Hepatocellular Carcinoma	Multiple
Note: HEPATOCLR CARC	TGLs = 3-3		
Note: HEPATOCLR CARC	TGLs = 4-3		
Nose	Respirat Epith Mucosa	Hyperplasia Inflammation	Moderate Chronic Active, Mild
Spleen		Hemangiosarcoma	
Note: HEMANGIOSARC	TGLs = 2-3		
Uterus		Hyperplasia	Cystic, Moderate
Note: HYPERPLASIA	TGLs = 6-4		

PRIMARY CAUSE OF DEATH

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05070-02

Test Type: CHRONIC

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Vinyl toluene

CAS Number: 25013-15-4

Date Report Requested: 10/23/2014

Time Report Requested: 13:42:43

First Dose M/F: NA / NA

Lab: MIDWEST

ANIMAL ID: 16

TRT#: 1

SEX: Female

DAY ON TEST: 735

DOSE: CONTROL

DISP: Terminal Sacrifice

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex
Esophagus
Intestine Large - Colon
Intestine Small - Jejunum
Mammary Gland
Stomach - Forestomach
Trachea

Adrenal Gland - Medulla
Gallbladder
Intestine Large - Rectum
Islets, Pancreatic
Pituitary Gland
Stomach - Glandular
Urinary Bladder

Bone
Heart
Intestine Small - Duodenum
Larynx
Skin
Thymus

Bone Marrow
Intestine Large - Cecum
Intestine Small - Ileum
Liver
Spleen
Thyroid Gland

MISSING

Parathyroid Gland

OBSERVATIONS

Adrenal Gland

Cortex
Capsule

Accessory Adrenal Cortical Nodule
Hyperplasia
Mineralization
Infiltration Cellular
Infiltration Cellular
Alveolar/Bronchiolar Adenoma

Multifocal, Marked
Multifocal, Mild
Lymphocyte, Multifocal, Mild
Lymphocyte, Multifocal, Mild

Brain

Kidney

Lacrimal Gland

Lung

Note: ALV BRON ADEN TGLs = 2-4,

Lymph Node

Mesenteric
Mandibular
Olfactory Epi
Periovarn Tiss

Hemorrhage
Hyperplasia
Atrophy

Mild
Lymphoid, Mild
Focal, Moderate
Lymphocyte, Mild
Lymphocyte, Multifocal, Mild
Lymphocyte, Multifocal, Moderate
Cystic, Moderate

Nose

Ovary

Pancreas

Salivary Glands

Uterus

Note: HYPERPLASIA TGLs = 3-8,

Infiltration Cellular
Infiltration Cellular
Infiltration Cellular
Hyperplasia

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05070-02

Test Type: CHRONIC

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Vinyl toluene

CAS Number: 25013-15-4

Date Report Requested: 10/23/2014

Time Report Requested: 13:42:43

First Dose M/F: NA / NA

Lab: MIDWEST

ANIMAL ID: 16

TRT#: 2

SEX: Female

DAY ON TEST: 735

DOSE: 25 PPM

DISP: Terminal Sacrifice

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - 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	Larynx	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 Gland	Cortex	Atrophy	Focal, Mild
	Capsule	Hyperplasia	Multifocal, Moderate
Brain		Mineralization	Multifocal, Minimal
Liver		Hematopoietic Cell Proliferation	Multifocal, Minimal
Lung	Alveolar Epith	Hyperplasia	Focal, Mild
	Alveolus, Bronchiole	Inflammation	Chronic Active, Multifocal, Mild
Note: INFLAMMATION TGLs = 1-4,			
Nose	Respirat Epith	Hyperplasia	Marked
	Mucosa	Inflammation	Chronic Active, Mild
Spleen		Hyperplasia	Lymphoid, Mild
Uterus		Hyperplasia	Cystic, Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05070-02
Test Type: CHRONIC
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Vinyl toluene
CAS Number: 25013-15-4

Date Report Requested: 10/23/2014
Time Report Requested: 13:42:43
First Dose M/F: NA / NA
Lab: MIDWEST

ANIMAL ID: 16	TRT#: 3 DOSE: 10 PPM	SEX: Female DISP: Terminal Sacrifice	DAY ON TEST: 735 HISTO:
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ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Stomach - Forestomach	Stomach - Glandular
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OBSERVATIONS

Liver Note: HEPATOCLR ADEN TGLs = 5-3		Hepatocellular Adenoma	
Lung		Infiltration Cellular	Lymphocyte, Multifocal, Minimal
Mesentery Note: ADHESION OF MESENTERY TO DIAPHRAGM OR ABDOM. MUSCLE Note: NECROSIS TGLs = 2-4	Fat	Necrosis	Multifocal, Marked
Nose	Respirat Epith Mucosa	Hyperplasia Inflammation	Moderate Chronic Active, Mild
Stomach Note: GROSS NODULES NOT IN RECUR, RETRIM OR WETS-EXCESS FAT?			
Uterus Note: HYPERPLASIA TGLs = 6-4		Hyperplasia	Cystic, Mild

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05070-02

Test Type: CHRONIC

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Vinyl toluene

CAS Number: 25013-15-4

Date Report Requested: 10/23/2014

Time Report Requested: 13:42:43

First Dose M/F: NA / NA

Lab: MIDWEST

ANIMAL ID: 17

TRT#: 1

SEX: Female

DAY ON TEST: 735

DOSE: CONTROL

DISP: Terminal Sacrifice

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Bone Marrow
Brain	Esophagus	Gallbladder	Heart
Intestine Large - Colon	Intestine Large - Rectum	Intestine Small - Duodenum	Intestine Small - Ileum
Intestine Small - Jejunum	Islets, Pancreatic	Larynx	Lymph Node - Mesenteric
Mammary Gland	Nose	Pancreas	Parathyroid Gland
Skin	Spleen	Stomach - Forestomach	Stomach - Glandular
Thymus	Thyroid Gland	Trachea	

MISSING

Pituitary Gland

OBSERVATIONS

Adrenal Gland	Capsule	Hyperplasia	Diffuse, Mild
Intestine Large	Cecum, Peyers Patch	Hyperplasia	Lymphoid, Marked
Note: HYPERPLASIA TGLs = 3-7,			
Kidney	Capsule	Inflammation	Chronic Active, Moderate
Lacrimal Gland		Lymphoma Malignant Mixed	
Liver		Infiltration Cellular	Lymphocyte, Multifocal, Marked
		Hepatocellular Carcinoma	
		Infarct	Marked
Note: INFARCT TGLs = 5-11,		Necrosis	Multifocal, Mild
Note: HEPATOCLR CARC TGLs = 4-5+5.1,			
Lung		Lymphoma Malignant Mixed	
Lymph Node	Mandibular	Hyperplasia	Lymphoid, Mild
	Mediastinal	Lymphoma Malignant Mixed	
Note: LYMPH MAL MIXD TGLs = 2-3+10,			
Mesentery		Infiltration Cellular	Mixed Cell, Mild
Ovary		Thrombosis	Marked
Note: THROMBUS TGLs = 6-12,			
Salivary Glands		Infiltration Cellular	Lymphocyte, Multifocal, Mild
Urinary Bladder		Infiltration Cellular	Lymphocyte, Multifocal, Mild

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05070-02
Test Type: CHRONIC
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Vinyl toluene
CAS Number: 25013-15-4

Date Report Requested: 10/23/2014
Time Report Requested: 13:42:43
First Dose M/F: NA / NA
Lab: MIDWEST

ANIMAL ID: 17

TRT#: 1
DOSE: CONTROL

SEX: Female
DISP: Terminal Sacrifice

DAY ON TEST: 735
HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

Uterus	Hyperplasia	Cystic, Mild
PRIMARY CAUSE OF DEATH	-	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05070-02

Test Type: CHRONIC

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Vinyl toluene

CAS Number: 25013-15-4

Date Report Requested: 10/23/2014

Time Report Requested: 13:42:43

First Dose M/F: NA / NA

Lab: MIDWEST

ANIMAL ID: 17

TRT#: 2

SEX: Female

DAY ON TEST: 735

DOSE: 25 PPM

DISP: Terminal Sacrifice

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex
Esophagus
Intestine Large - Colon
Intestine Small - Jejunum
Liver
Ovary
Skin
Thymus

Adrenal Gland - Medulla
Gallbladder
Intestine Large - Rectum
Islets, Pancreatic
Lymph Node - Mandibular
Pancreas
Spleen
Thyroid Gland

Bone
Heart
Intestine Small - Duodenum
Kidney
Lymph Node - Mesenteric
Pituitary Gland
Stomach - Forestomach
Trachea

Bone Marrow
Intestine Large - Cecum
Intestine Small - Ileum
Larynx
Mammary Gland
Salivary Glands
Stomach - Glandular
Urinary Bladder

MISSING

Parathyroid Gland

OBSERVATIONS

Adrenal Gland
Brain
Lung

Nose

Uterus

Capsule

Alveolus, Bronchiole
Respirat Epith
Mucosa

Hyperplasia
Mineralization
Infiltration Cellular
Inflammation
Hyperplasia
Inflammation
Hyperplasia

Multifocal, Moderate
Multifocal, Mild
Lymphocyte, Multifocal, Moderate
Chronic Active, Multifocal, Minimal
Marked
Chronic Active, Moderate
Cystic, Minimal

Note: HYPERPLASIA TGLs = 1+2-8,

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05070-02

Test Type: CHRONIC

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Vinyl toluene

CAS Number: 25013-15-4

Date Report Requested: 10/23/2014

Time Report Requested: 13:42:43

First Dose M/F: NA / NA

Lab: MIDWEST

ANIMAL ID: 17

TRT#: 3

SEX: Female

DAY ON TEST: 582

DOSE: 10 PPM

DISP: Moribund Sacrifice

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Bone	Bone Marrow	Brain	Esophagus
Heart	Intestine Large - Cecum	Intestine Large - Colon	Intestine Large - Rectum
Intestine Small - Duodenum	Intestine Small - Ileum	Intestine Small - Jejunum	Kidney
Larynx	Mammary Gland	Ovary	Pancreas
Parathyroid Gland	Pituitary Gland	Stomach - Forestomach	Stomach - Glandular
Thyroid Gland	Trachea	Urinary Bladder	Uterus

MISSING

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Lymph Node - Mandibular	Salivary Glands
Thymus			

OBSERVATIONS

Islets, Pancreatic		Hyperplasia	Multifocal, Mild
Liver	Centrilobular	Necrosis	Diffuse, Moderate
Note: NECROSIS TGLs = 3-5			
Lung	Alveolus, Bronchiole	Inflammation	Chronic Active, Focal, Minimal
Lymph Node	Mesenteric	Hemorrhage	Mild
Nose	Respirat Epith	Hyperplasia	Mild
	Mucosa	Inflammation	Chronic Active, Mild
Skin	Subcut Tiss	Hemangioma	
Note: HEMANGIOMA TGLs = 2-10			
Spleen		Hematopoietic Cell Proliferation	Marked

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05070-02

Test Type: CHRONIC

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Vinyl toluene

CAS Number: 25013-15-4

Date Report Requested: 10/23/2014

Time Report Requested: 13:42:43

First Dose M/F: NA / NA

Lab: MIDWEST

ANIMAL ID: 18

TRT#: 1

SEX: Female

DAY ON TEST: 692

DOSE: CONTROL

DISP: Natural Death

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - 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
Larynx	Lung	Lymph Node - Mandibular	Mammary Gland
Nose	Pancreas	Pituitary Gland	Salivary Glands
Skin	Stomach - Forestomach	Stomach - Glandular	Thymus
Thyroid Gland	Trachea	Urinary Bladder	Uterus

MISSING

Parathyroid Gland

OBSERVATIONS

Adrenal Gland	Cortex Capsule	Accessory Adrenal Cortical Nodule Hyperplasia	Multifocal, Mild
Liver	Centrilobular [Hepatocellular Adenoma TGLS = 4-10,]	Hepatocellular Adenoma Hepatocellular Carcinoma Necrosis	Multifocal, Moderate
Lymph Node	Mesenteric Pancreatic	Hyperplasia Lymphoma Malignant Mixed Lymphoma Malignant Mixed	Reticulum Cell, Moderate
Ovary		Hemorrhage	Focal, Marked
Spleen		Hematopoietic Cell Proliferation	Moderate

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05070-02

Test Type: CHRONIC

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Vinyl toluene

CAS Number: 25013-15-4

Date Report Requested: 10/23/2014

Time Report Requested: 13:42:43

First Dose M/F: NA / NA

Lab: MIDWEST

ANIMAL ID: 18

TRT#: 2

DOSE: 25 PPM

SEX: Female

DISP: Natural Death

DAY ON TEST: 728

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - 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
Mammary Gland	Parathyroid Gland	Pituitary Gland	Skin
Stomach - Forestomach	Stomach - Glandular	Thyroid Gland	Urinary Bladder

MISSING

Lymph Node - Mesenteric	Thymus
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OBSERVATIONS

Adrenal Gland	Cortex Capsule	Accessory Adrenal Cortical Nodule Hyperplasia	Multifocal, Mild
Note: 1991 CONVERSION DISCREPANCY. ORIGINAL DIAGNOSIS SITE NOT FOUND.			
Larynx		Plasma Cell Tumor Malignant	
Liver		Infiltration Cellular	Mixed Cell, Mild
Lung	Alveolus, Bronchiole Mediastinum, Pleura	Inflammation	Chronic Active, Multifocal, Mild
Lymph Node	Mandibular	Plasma Cell Tumor Malignant	
Mesentery		Plasma Cell Tumor Malignant	
Nose	Respirat Epith Mucosa	Hyperplasia Inflammation	Marked Chronic Active, Mild
Ovary		Plasma Cell Tumor Malignant	
Pancreas		Inflammation	Chronic Active, Moderate
Salivary Glands		Plasma Cell Tumor Malignant	
Spleen		Congestion	Moderate
Note: CONGESTION TGLs = 3-5,			
Trachea		Plasma Cell Tumor Malignant	
Uterus		Plasma Cell Tumor Malignant	

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05070-02
Test Type: CHRONIC
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Vinyl toluene
CAS Number: 25013-15-4

Date Report Requested: 10/23/2014
Time Report Requested: 13:42:43
First Dose M/F: NA / NA
Lab: MIDWEST

ANIMAL ID: 18

TRT#: 3
DOSE: 10 PPM

SEX: Female
DISP: Moribund Sacrifice

DAY ON TEST: 690
HISTO:

OBSERVATIONS

Lung
Nose

Respirat Epith
Mucosa

Inflammation
Hyperplasia
Inflammation

Chronic Active, Focal, Moderate
Marked
Chronic Active, Moderate

PRIMARY CAUSE OF DEATH

-

Experiment Number: 05070-02

Test Type: CHRONIC

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Vinyl toluene

CAS Number: 25013-15-4

Date Report Requested: 10/23/2014

Time Report Requested: 13:42:43

First Dose M/F: NA / NA

Lab: MIDWEST

ANIMAL ID: 19

TRT#: 1

SEX: Female

DAY ON TEST: 469

DOSE: CONTROL

DISP: Natural Death

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Bone	Bone Marrow	Brain	Esophagus
Gallbladder	Intestine Large - Rectum	Islets, Pancreatic	Nose
Parathyroid Gland	Pituitary Gland	Salivary Glands	Skin
Stomach - Forestomach	Stomach - Glandular	Thyroid Gland	Trachea

MISSING

Intestine Large - Cecum	Thymus
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OBSERVATIONS

Adrenal Gland	Cortex, Medulla Capsule Capsule	Hematopoietic Cell Proliferation Hyperplasia Inflammation	Multifocal, Marked Multifocal, Mild Chronic Active, Focal, Moderate
Note: INFLAMMATION TGLs = 4-6,			
Heart	Mitral Valve	Inflammation	Chronic Active, Focal, Moderate
Intestine Large	Colon, Serosa	Inflammation	Chronic Active, Multifocal, Mild
Intestine Small	Duodenum, Ileum, Serosa	Inflammation	Chronic Active, Multifocal, Mild
Kidney	Capsule	Inflammation	Chronic Active, Mild
Note: INFLAMMATION TGLs = 3-9,			
Liver		Hematopoietic Cell Proliferation	Multifocal, Marked
Lung		Infiltration Cellular	Mixed Cell, Diffuse, Moderate
	Pleura	Inflammation	Chronic Active, Multifocal, Moderate
Lymph Node	Mesenteric Mandibular	Hyperplasia Infiltration Cellular	Plasma Cell, Marked Polymorphnuclr, Diffuse, Moderate
Mammary Gland		Inflammation	Chronic, Diffuse, Moderate
Mesentery			
Ovary		Abscess	Multiple, Marked
Note: ABSCESS TGLs = 2-13,			
Pancreas		Inflammation	Chronic Active, Mild
Spleen	Capsule	Abscess Hematopoietic Cell Proliferation	Chronic, Marked Marked
Note: HEMA CELL PROL TGLs = 1-5,			
Urinary Bladder	Serosa	Inflammation	Chronic, Mild

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05070-02
Test Type: CHRONIC
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Vinyl toluene
CAS Number: 25013-15-4

Date Report Requested: 10/23/2014
Time Report Requested: 13:42:43
First Dose M/F: NA / NA
Lab: MIDWEST

ANIMAL ID: 19

TRT#: 1
DOSE: CONTROL

SEX: Female
DISP: Natural Death

DAY ON TEST: 469
HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

Uterus

Abscess
Hyperplasia

Single, Moderate
Cystic, Moderate

PRIMARY CAUSE OF DEATH

-

Animal Note: WIDESPREAD PERITONITIS AND ABDOMINAL ADHESIONS

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05070-02

Test Type: CHRONIC

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Vinyl toluene

CAS Number: 25013-15-4

Date Report Requested: 10/23/2014

Time Report Requested: 13:42:43

First Dose M/F: NA / NA

Lab: MIDWEST

ANIMAL ID: 19

TRT#: 2

DOSE: 25 PPM

SEX: Female

DISP: Natural Death

DAY ON TEST: 603

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Bone	Bone Marrow	Brain	Esophagus
Intestine Large - Cecum	Intestine Large - Colon	Intestine Large - Rectum	Intestine Small - Duodenum
Intestine Small - Ileum	Intestine Small - Jejunum	Islets, Pancreatic	Larynx
Mammary Gland	Pituitary Gland	Skin	Stomach - Forestomach
Stomach - Glandular	Trachea		

MISSING

Heart	Thymus
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OBSERVATIONS

Adrenal Gland		Lymphoma Malignant Mixed	
Note: LYMPH MAL MIXD TGLs = 6+7-6,			
Gallbladder		Lymphoma Malignant Mixed	
Kidney		Lymphoma Malignant Mixed	
Note: LYMPH MAL MIXD TGLs = 8-6,			
Liver		Lymphoma Malignant Mixed	
		Necrosis	Multifocal, Minimal
Lung		Lymphoma Malignant Mixed	
Note: LYMPH MAL MIXD TGLs = 1-10,			
Lymph Node	Inguinal	Lymphoma Malignant Mixed	
	Lumbar	Lymphoma Malignant Mixed	
	Mandibular	Lymphoma Malignant Mixed	
	Mesenteric	Lymphoma Malignant Mixed	
Note: LYMPH MAL MIXD TGLs = 11-13,			
Note: LYMPH MAL MIXD TGLs = 9+10-11+12,			
[Lymphoma Malignant Mixed TGLS = 2-7,]			
Nose	Respirat Epith	Hyperplasia	Marked
	Mucosa	Inflammation	Chronic Active, Moderate
Ovary	Bilateral	Lymphoma Malignant Mixed	
Note: LYMPH MAL MIXD TGLs = 3-8,			
Pancreas		Lymphoma Malignant Mixed	
Parathyroid Gland		Lymphoma Malignant Mixed	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05070-02
Test Type: CHRONIC
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Vinyl toluene
CAS Number: 25013-15-4

Date Report Requested: 10/23/2014
Time Report Requested: 13:42:43
First Dose M/F: NA / NA
Lab: MIDWEST

ANIMAL ID: 19

TRT#: 2

DOSE: 25 PPM

SEX: Female

DISP: Natural Death

DAY ON TEST: 603

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

Salivary Glands

Lymphoma Malignant Mixed

Spleen

Lymphoma Malignant Mixed

Note: LYMPH MAL MIXD TGLs = 5-5,

Thyroid Gland

Lymphoma Malignant Mixed

Urinary Bladder

Lymphoma Malignant Mixed

Uterus

Dilatation

Moderate

Note: DILATATION TGLs = 4-8,

Lymphoma Malignant Mixed

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05070-02
Test Type: CHRONIC
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Vinyl toluene
CAS Number: 25013-15-4

Date Report Requested: 10/23/2014
Time Report Requested: 13:42:43
First Dose M/F: NA / NA
Lab: MIDWEST

ANIMAL ID: 19	TRT#: 3 DOSE: 10 PPM	SEX: Female DISP: Terminal Sacrifice	DAY ON TEST: 735 HISTO:
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ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Skin

OBSERVATIONS

Intestine Small Note: LYMPH MAL MIXD TGLs = 4-3+3.1	Peyers Patch	Lymphoma Malignant Mixed	
Lung		Alveolar/Bronchiolar Adenoma	
Nose	Respirat Epith Mucosa	Hyperplasia Inflammation	Marked Chronic Active, Moderate
Spleen Note: LYMPH MAL MIXD TGLs = 2-3+3.1		Lymphoma Malignant Mixed	
Uterus Note: HYPERPLASIA TGLs = 3-3+3.1		Hyperplasia	Cystic, Mild

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05070-02

Test Type: CHRONIC

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Vinyl toluene

CAS Number: 25013-15-4

Date Report Requested: 10/23/2014

Time Report Requested: 13:42:43

First Dose M/F: NA / NA

Lab: MIDWEST

ANIMAL ID: 20

TRT#: 1

SEX: Female

DAY ON TEST: 734

DOSE: CONTROL

DISP: Terminal Sacrifice

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex
Esophagus
Intestine Large - Colon
Intestine Small - Jejunum
Lung
Nose
Spleen
Trachea

Adrenal Gland - Medulla
Gallbladder
Intestine Large - Rectum
Islets, Pancreatic
Lymph Node - Mandibular
Ovary
Stomach - Forestomach

Bone
Heart
Intestine Small - Duodenum
Larynx
Lymph Node - Mesenteric
Parathyroid Gland
Stomach - Glandular

Bone Marrow
Intestine Large - Cecum
Intestine Small - Ileum
Liver
Mammary Gland
Skin
Thyroid Gland

MISSING

Thymus

OBSERVATIONS

Adrenal Gland
Brain
Kidney
Pancreas
Pituitary Gland
[Adenoma TGLS = 4-1,]
Salivary Glands
Urinary Bladder
Uterus
Note: HYPERPLASIA TGLs = 2-8,

Capsule

Pars Distalis

Hyperplasia
Mineralization
Infiltration Cellular
Infiltration Cellular
Adenoma

Infiltration Cellular
Infiltration Cellular
Hyperplasia

Multifocal, Moderate
Multifocal, Mild
Lymphocyte, Multifocal, Mild
Lymphocyte, Multifocal, Moderate

Lymphocyte, Multifocal, Marked
Lymphocyte, Multifocal, Minimal
Cystic, Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05070-02

Test Type: CHRONIC

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Vinyl toluene

CAS Number: 25013-15-4

Date Report Requested: 10/23/2014

Time Report Requested: 13:42:43

First Dose M/F: NA / NA

Lab: MIDWEST

ANIMAL ID: 20

TRT#: 2

SEX: Female

DAY ON TEST: 42

DOSE: 25 PPM

DISP: Accidentally Killed

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex
Islets, Pancreatic
Pancreas
Stomach - Forestomach

Adrenal Gland - Medulla
Kidney
Pituitary Gland
Thyroid Gland

Brain
Larynx
Salivary Glands
Trachea

Heart
Lung
Skin

MISSING

Bone
Intestine Large
Mammary Gland
Thymus

Bone Marrow
Intestine Small
Ovary
Urinary Bladder

Esophagus
Lymph Node - Mandibular
Parathyroid Gland
Uterus

Gallbladder
Lymph Node - Mesenteric
Stomach - Glandular

INSUFFICIENT TISSUE

Nose

OBSERVATIONS

Liver Hepatocellular Adenoma

Note: ADENOMA IN 14 WEEK-OLD MOUSE !?

Note: ADENOMA IS SMALL BUT IS TRABECULATED AND MITOTICALLY ACTIVE

Spleen Depletion Lymphoid Marked

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05070-02
Test Type: CHRONIC
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Vinyl toluene
CAS Number: 25013-15-4

Date Report Requested: 10/23/2014
Time Report Requested: 13:42:43
First Dose M/F: NA / NA
Lab: MIDWEST

ANIMAL ID: 20

TRT#: 3
DOSE: 10 PPM

SEX: Female
DISP: Terminal Sacrifice

DAY ON TEST: 734
HISTO:

OBSERVATIONS

Lung
Nose

Uterus
Note: HYPERPLASIA TGLs = 2-3

Respirat Epith
Mucosa

Infiltration Cellular
Hyperplasia
Inflammation
Hyperplasia

Histiocyte, Focal, Minimal
Marked
Chronic Active, Moderate
Cystic, Moderate

PRIMARY CAUSE OF DEATH

-

Experiment Number: 05070-02

Test Type: CHRONIC

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Vinyl toluene

CAS Number: 25013-15-4

Date Report Requested: 10/23/2014

Time Report Requested: 13:42:43

First Dose M/F: NA / NA

Lab: MIDWEST

ANIMAL ID: 21

TRT#: 1

SEX: Female

DAY ON TEST: 705

DOSE: CONTROL

DISP: Moribund Sacrifice

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Bone Marrow
Esophagus	Gallbladder	Intestine Large - Cecum	Intestine Large - Colon
Intestine Large - Rectum	Intestine Small - Duodenum	Intestine Small - Ileum	Intestine Small - Jejunum
Islets, Pancreatic	Larynx	Lymph Node - Mandibular	Lymph Node - Mesenteric
Mammary Gland	Nose	Pancreas	Parathyroid Gland
Skin	Stomach - Forestomach	Stomach - Glandular	Thyroid Gland
Trachea	Urinary Bladder		

MISSING

Thymus

OBSERVATIONS

Adrenal Gland	Capsule	Hyperplasia	Multifocal, Moderate
Bone			
Note: STERNABRAE INSTEAD OF FEMUR			
Brain		Mineralization	Multifocal, Minimal
Heart	Atrium Lft	Lymphoma Malignant Histiocytic	
Kidney		Infiltration Cellular	Lymphocyte, Multifocal, Mild
Liver		Lymphoma Malignant Histiocytic	
Note: LYMPH MAL HIST TGLs = 4+5-5,			
Lung	Mediastinum	Infiltration Cellular	Lymphocyte, Multifocal, Moderate
Ovary		Lymphoma Malignant Histiocytic	
Pituitary Gland	Pars Distalis	Adenoma	
Salivary Glands		Infiltration Cellular	Lymphocyte, Multifocal, Minimal
Spleen		Hyperplasia	Lymphoid, Marked
Note: HYPERPLASIA TGLs = 6-5,			
Uterus		Hyperplasia	Cystic, Minimal
Note: LYMPH MAL HIST TGLs = 8-8,			

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05070-02

Test Type: CHRONIC

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Vinyl toluene

CAS Number: 25013-15-4

Date Report Requested: 10/23/2014

Time Report Requested: 13:42:43

First Dose M/F: NA / NA

Lab: MIDWEST

ANIMAL ID: 21

TRT#: 2

SEX: Female

DAY ON TEST: 734

DOSE: 25 PPM

DISP: Terminal Sacrifice

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - 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
Larynx	Liver	Lymph Node - Mandibular	Lymph Node - Mesenteric
Mammary Gland	Pancreas	Parathyroid Gland	Pituitary Gland
Skin	Spleen	Stomach - Forestomach	Stomach - Glandular
Thymus	Thyroid Gland	Trachea	Urinary Bladder

OBSERVATIONS

Adrenal Gland	Capsule	Hyperplasia	Multifocal, Mild
Lung	Alveolus, Bronchiole	Inflammation	Chronic Active, Multifocal, Minimal
Nose	Respirat Epith	Hyperplasia	Marked
	Mucosa	Inflammation	Chronic Active, Moderate
	Nasolacrim Dct	Inflammation	Chronic, Mild
Ovary		Cyst	
Note: CYST	TGLs = 2+3-8,		
Salivary Glands		Infiltration Cellular	Lymphocyte, Multifocal, Mild
Uterus		Hyperplasia	Cystic, Mild
Note: HYPERPLASIA	TGLs = 1-8,		

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05070-02
Test Type: CHRONIC
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Vinyl toluene
CAS Number: 25013-15-4

Date Report Requested: 10/23/2014
Time Report Requested: 13:42:43
First Dose M/F: NA / NA
Lab: MIDWEST

ANIMAL ID: 21	TRT#: 3 DOSE: 10 PPM	SEX: Female DISP: Terminal Sacrifice	DAY ON TEST: 734 HISTO:
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ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Lung

OBSERVATIONS

Nose	Respirat Epith Mucosa	Hyperplasia Inflammation	Moderate Chronic Active, Mild
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PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05070-02

Test Type: CHRONIC

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Vinyl toluene

CAS Number: 25013-15-4

Date Report Requested: 10/23/2014

Time Report Requested: 13:42:43

First Dose M/F: NA / NA

Lab: MIDWEST

ANIMAL ID: 22

TRT#: 2

SEX: Female

DAY ON TEST: 148

DOSE: 25 PPM

DISP: Dosing Accident

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex
Brain
Intestine Large - Cecum
Kidney
Lymph Node - Mandibular
Salivary Glands
Thymus

Adrenal Gland - Medulla
Esophagus
Intestine Large - Colon
Larynx
Ovary
Skin

Bone
Gallbladder
Intestine Small - Duodenum
Liver
Pancreas
Spleen

Bone Marrow
Heart
Islets, Pancreatic
Lung
Pituitary Gland
Stomach - Glandular

MISSING

Intestine Large - Rectum
Mammary Gland
Trachea

Intestine Small - Ileum
Parathyroid Gland
Urinary Bladder

Intestine Small - Jejunum
Stomach - Forestomach

Lymph Node - Mesenteric
Thyroid Gland

OBSERVATIONS

Adrenal Gland
Nose

Capsule
Respirat Epith
Mucosa

Hyperplasia
Hyperplasia
Inflammation

Multifocal, Mild
Marked
Chronic Active, Minimal

Note: MARKED RETENTION OF SECRETION IN RESP. EPITHELIUM

Uterus

Hyperplasia

Cystic, Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05070-02
Test Type: CHRONIC
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Vinyl toluene
CAS Number: 25013-15-4

Date Report Requested: 10/23/2014
Time Report Requested: 13:42:43
First Dose M/F: NA / NA
Lab: MIDWEST

ANIMAL ID: 22	TRT#: 3 DOSE: 10 PPM	SEX: Female DISP: Terminal Sacrifice	DAY ON TEST: 733 HISTO:
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ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Kidney Skin

OBSERVATIONS

Intestine Small Note: POLYP ADENOMAT TGLs = 5-3	Duodenum	Polyp Adenomatous	
Liver Note: HEMATOCYST TGLs = 2-4+4.1+4.2		Hemangiosarcoma Hematocyst	Marked
Lung		Infiltration Cellular Infiltration Cellular	Histiocyte, Multifocal, Minimal Lymphocyte, Multifocal, Mild
Nose	Respirat Epith Mucosa	Hyperplasia Inflammation	Moderate Chronic Active, Marked
Ovary Note: CYST TGLs = 4-3		Cyst	Marked
Uterus Note: DILATATION TGLs = 3-3		Dilatation	Marked

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05070-02
 Test Type: CHRONIC
 Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 Test Compound: Vinyl toluene
 CAS Number: 25013-15-4

Date Report Requested: 10/23/2014
 Time Report Requested: 13:42:43
 First Dose M/F: NA / NA
 Lab: MIDWEST

ANIMAL ID: 23	TRT#: 1 DOSE: CONTROL	SEX: Female DISP: Natural Death	DAY ON TEST: 709 HISTO:
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ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL			
Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Bone Marrow
Brain	Heart	Intestine Large - Cecum	Intestine Large - Colon
Intestine Large - Rectum	Mammary Gland	Nose	Pancreas
Pituitary Gland	Stomach - Glandular		

MISSING			
Larynx	Lymph Node - Mesenteric	Parathyroid Gland	

AUTO PRECLUDES DIAG.			
Gallbladder	Intestine Small		

OBSERVATIONS			
Adrenal Gland	Capsule	Hyperplasia	Multifocal, Mild
Esophagus		Lymphoma Malignant Lymphocytic	
Islets, Pancreatic		Hyperplasia	Multifocal, Mild
Kidney		Lymphoma Malignant Lymphocytic	
Liver		Fatty Change	Diffuse, Minimal
Lung		Lymphoma Malignant Lymphocytic	
Lymph Node	Mandibular	Lymphoma Malignant Lymphocytic	
	Mediastinal	Lymphoma Malignant Lymphocytic	
Mesentery		Lymphoma Malignant Lymphocytic	
Ovary		Lymphoma Malignant Lymphocytic	
Salivary Glands		Lymphoma Malignant Lymphocytic	
Skin	Subcut Tiss	Lymphoma Malignant Lymphocytic	
Spleen		Lymphoma Malignant Lymphocytic	
Stomach	Forestomach	Lymphoma Malignant Lymphocytic	
Thymus		Lymphoma Malignant Lymphocytic	
Thyroid Gland		Lymphoma Malignant Lymphocytic	
Trachea		Inflammation	Chronic, Mild
Urinary Bladder		Lymphoma Malignant Lymphocytic	
Uterus		Hyperplasia	Cystic, Mild
		Lymphoma Malignant Lymphocytic	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05070-02

Test Type: CHRONIC

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Vinyl toluene

CAS Number: 25013-15-4

Date Report Requested: 10/23/2014

Time Report Requested: 13:42:43

First Dose M/F: NA / NA

Lab: MIDWEST

ANIMAL ID: 23

TRT#: 1

SEX: Female

DAY ON TEST: 709

DOSE: CONTROL

DISP: Natural Death

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05070-02
Test Type: CHRONIC
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Vinyl toluene
CAS Number: 25013-15-4

Date Report Requested: 10/23/2014
Time Report Requested: 13:42:43
First Dose M/F: NA / NA
Lab: MIDWEST

ANIMAL ID: 23	TRT#: 2 DOSE: 25 PPM	SEX: Female DISP: Dosing Accident	DAY ON TEST: 148 HISTO:
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ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Bone Marrow
Brain	Gallbladder	Heart	Intestine Large - Cecum
Intestine Large - Colon	Intestine Small - Duodenum	Islets, Pancreatic	Kidney
Liver	Lung	Lymph Node - Mandibular	Mammary Gland
Ovary	Pancreas	Pituitary Gland	Salivary Glands
Skin	Spleen	Stomach - Glandular	Thymus
Trachea			

MISSING

Esophagus	Intestine Large - Rectum	Intestine Small - Ileum	Intestine Small - Jejunum
Larynx	Lymph Node - Mesenteric	Parathyroid Gland	Stomach - Forestomach
Thyroid Gland	Urinary Bladder	Uterus	

OBSERVATIONS

Adrenal Gland	Capsule	Hyperplasia	Multifocal, Mild
Nose	Respirat Epith	Hyperplasia	Marked
	Mucosa	Inflammation	Chronic Active, Moderate

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05070-02

Test Type: CHRONIC

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Vinyl toluene

CAS Number: 25013-15-4

Date Report Requested: 10/23/2014

Time Report Requested: 13:42:43

First Dose M/F: NA / NA

Lab: MIDWEST

ANIMAL ID: 24

TRT#: 1

SEX: Female

DAY ON TEST: 733

DOSE: CONTROL

DISP: Terminal Sacrifice

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - 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	Larynx
Lung	Lymph Node - Mandibular	Lymph Node - Mesenteric	Mammary Gland
Pancreas	Parathyroid Gland	Pituitary Gland	Stomach - Glandular
Thyroid Gland	Trachea	Urinary Bladder	

MISSING

Thymus

OBSERVATIONS

Adrenal Gland	Capsule	Hyperplasia	Multifocal, Mild
Kidney		Infiltration Cellular	Lymphocyte, Multifocal, Minimal
Lacrimal Gland		Infiltration Cellular	Lymphocyte, Multifocal, Mild
Liver		Infiltration Cellular	Mixed Cell, Mild
Nose	Respirat Epith Mucosa	Hyperplasia Inflammation	Minimal Chronic Active, Minimal
Ovary		Granulosa Cell Tumor Malignant	
Note: GRANLSA TM MAL TGLs = 3-10			
Salivary Glands		Infiltration Cellular	Lymphocyte, Multifocal, Mild
Spleen		Hematopoietic Cell Proliferation	Mild
Note: HEMA CELL PROL TGLs = 2-5,			
Stomach	Forestomach	Inflammation	Chronic Active, Focal, Mild
Uterus		Granulosa Cell Tumor Malignant Hyperplasia	Metastatic (Uterus) Cystic, Minimal
Note: HYPERPLASIA TGLs = 4+5-8,			

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05070-02
Test Type: CHRONIC
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Vinyl toluene
CAS Number: 25013-15-4

Date Report Requested: 10/23/2014
Time Report Requested: 13:42:43
First Dose M/F: NA / NA
Lab: MIDWEST

ANIMAL ID: 24	TRT#: 2 DOSE: 25 PPM	SEX: Female DISP: Dosing Accident	DAY ON TEST: 148 HISTO:
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ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Bone Marrow
Brain	Esophagus	Gallbladder	Heart
Intestine Large - Colon	Intestine Small - Duodenum	Islets, Pancreatic	Kidney
Liver	Lung	Pancreas	Pituitary Gland
Skin	Spleen	Stomach - Glandular	Thymus
Thyroid Gland	Trachea	Uterus	

MISSING

Intestine Large - Cecum	Intestine Large - Rectum	Intestine Small - Ileum	Intestine Small - Jejunum
Larynx	Lymph Node - Mandibular	Lymph Node - Mesenteric	Mammary Gland
Ovary	Parathyroid Gland	Salivary Glands	Stomach - Forestomach
Urinary Bladder			

OBSERVATIONS

Adrenal Gland	Capsule	Hyperplasia	Multifocal, Mild
Nose	Respirat Epith Mucosa	Hyperplasia Inflammation	Marked Chronic Active, Moderate

Note: MARKED RETENTION OF SECRETION IN RESP. EPITHELIUM

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05070-02
Test Type: CHRONIC
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Vinyl toluene
CAS Number: 25013-15-4

Date Report Requested: 10/23/2014
Time Report Requested: 13:42:43
First Dose M/F: NA / NA
Lab: MIDWEST

ANIMAL ID: 24

TRT#: 3

SEX: Female

DAY ON TEST: 733

DOSE: 10 PPM

DISP: Terminal Sacrifice

HISTO:

OBSERVATIONS

Lung

Alveolus, Bronchiole

Inflammation

Chronic Active, Focal, Mild

Nose

Respirat Epith

Hyperplasia

Mild

Uterus

Mucosa

Inflammation

Chronic Active, Minimal

Note: HYPERPLASIA TGLs = 1-3

Hyperplasia

Cystic, Mild

PRIMARY CAUSE OF DEATH

-

Experiment Number: 05070-02

Test Type: CHRONIC

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Vinyl toluene

CAS Number: 25013-15-4

Date Report Requested: 10/23/2014

Time Report Requested: 13:42:43

First Dose M/F: NA / NA

Lab: MIDWEST

ANIMAL ID: 25

TRT#: 1

SEX: Female

DAY ON TEST: 732

DOSE: CONTROL

DISP: Terminal Sacrifice

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex
Esophagus
Intestine Large - Rectum
Islets, Pancreatic
Lymph Node - Mesenteric
Pancreas
Stomach - Forestomach
Urinary Bladder

Adrenal Gland - Medulla
Gallbladder
Intestine Small - Duodenum
Larynx
Mammary Gland
Pituitary Gland
Stomach - Glandular

Bone
Intestine Large - Cecum
Intestine Small - Ileum
Lung
Nose
Skin
Thymus

Bone Marrow
Intestine Large - Colon
Intestine Small - Jejunum
Lymph Node - Mandibular
Ovary
Spleen
Trachea

MISSING

Parathyroid Gland

OBSERVATIONS

Adrenal Gland
Brain
Heart
Kidney
Liver
Salivary Glands
Thyroid Gland
Uterus

Capsule
Aortic Valve

Hyperplasia
Mineralization
Thrombosis
Infiltration Cellular
Inflammation
Infiltration Cellular
Infiltration Cellular
Hyperplasia

Multifocal, Mild
Multifocal, Moderate
Mild
Lymphocyte, Multifocal, Moderate
Subacute, Multifocal, Minimal
Lymphocyte, Multifocal, Moderate
Lymphocyte, Focal, Minimal
Cystic, Mild

Note: HYPERPLASIA TGLs = 2-8,

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05070-02

Test Type: CHRONIC

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Vinyl toluene

CAS Number: 25013-15-4

Date Report Requested: 10/23/2014

Time Report Requested: 13:42:43

First Dose M/F: NA / NA

Lab: MIDWEST

ANIMAL ID: 25

TRT#: 2

SEX: Female

DAY ON TEST: 733

DOSE: 25 PPM

DISP: Terminal Sacrifice

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex
Heart
Intestine Small - Duodenum
Kidney
Lymph Node - Mesenteric
Pituitary Gland
Stomach - Forestomach
Tissue NOS

Adrenal Gland - Medulla
Intestine Large - Cecum
Intestine Small - Ileum
Larynx
Mammary Gland
Salivary Glands
Stomach - Glandular
Trachea

Esophagus
Intestine Large - Colon
Intestine Small - Jejunum
Liver
Ovary
Skin
Thymus

Gallbladder
Intestine Large - Rectum
Islets, Pancreatic
Lymph Node - Mandibular
Pancreas
Spleen
Thyroid Gland

MISSING

Parathyroid Gland

OBSERVATIONS

Adrenal Gland
Bone
Bone Marrow
Brain
Lacrimal Gland
Lung
Nose

Urinary Bladder
Uterus

Capsule

Alveolus, Bronchiole
Respirat Epith
Mucosa

Hyperplasia
Fibrous Osteodystrophy
Hypoplasia
Mineralization
Infiltration Cellular
Inflammation
Hyperplasia
Inflammation
Infiltration Cellular
Hyperplasia

Multifocal, Moderate
Mild
Focal, Moderate
Multifocal, Minimal
Lymphocyte, Multifocal, Moderate
Chronic Active, Multifocal, Mild
Marked
Chronic Active, Marked
Lymphocyte, Multifocal, Minimal
Cystic, Mild

Note: HYPERPLASIA TGLs = 1-8,

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05070-02
Test Type: CHRONIC
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Vinyl toluene
CAS Number: 25013-15-4

Date Report Requested: 10/23/2014
Time Report Requested: 13:42:43
First Dose M/F: NA / NA
Lab: MIDWEST

ANIMAL ID: 25	TRT#: 3 DOSE: 10 PPM	SEX: Female DISP: Moribund Sacrifice	DAY ON TEST: 714 HISTO:
OBSERVATIONS			
Liver Note: LYMPH MAL HIST TGLs = 4-3		Lymphoma Malignant Histiocytic	
Lung	Alveolus, Bronchiole	Inflammation Lymphoma Malignant Histiocytic	Chronic Active, Multifocal, Minimal
Nose	Respirat Epith Mucosa	Hyperplasia Inflammation	Marked Chronic Active, Moderate
Spleen Note: HEMA CELL PROL TGLs = 3-3		Hematopoietic Cell Proliferation	Marked
Uterus Note: LYMPH MAL HIST TGLs = 5-3		Lymphoma Malignant Histiocytic	
<hr/> PRIMARY CAUSE OF DEATH - <hr/>			

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05070-02

Test Type: CHRONIC

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Vinyl toluene

CAS Number: 25013-15-4

Date Report Requested: 10/23/2014

Time Report Requested: 13:42:43

First Dose M/F: NA / NA

Lab: MIDWEST

ANIMAL ID: 26

TRT#: 1

SEX: Female

DAY ON TEST: 732

DOSE: CONTROL

DISP: Terminal Sacrifice

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex
Brain
Intestine Large - Cecum
Intestine Small - Ileum
Larynx
Nose
Spleen
Thyroid Gland

Adrenal Gland - Medulla
Esophagus
Intestine Large - Colon
Intestine Small - Jejunum
Lymph Node - Mandibular
Ovary
Stomach - Forestomach
Trachea

Bone
Gallbladder
Intestine Large - Rectum
Islets, Pancreatic
Lymph Node - Mesenteric
Parathyroid Gland
Stomach - Glandular

Bone Marrow
Heart
Intestine Small - Duodenum
Kidney
Mammary Gland
Pituitary Gland
Thymus

OBSERVATIONS

Adrenal Gland
Liver
Lung

Pancreas
Salivary Glands
Urinary Bladder
Uterus

Capsule

Alveolar Epith

Hyperplasia
Inflammation
Hyperplasia
Infiltration Cellular
Infiltration Cellular
Infiltration Cellular
Hyperplasia

Multifocal, Mild
Subacute, Multifocal, Minimal
Focal, Moderate
Histiocyte, Focal, Moderate
Lymphocyte, Multifocal, Mild
Lymphocyte, Multifocal, Moderate
Lymphocyte, Multifocal, Minimal
Cystic, Mild

Note: HYPERPLASIA TGLs = 3-8,

PRIMARY CAUSE OF DEATH

-

Experiment Number: 05070-02

Test Type: CHRONIC

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Vinyl toluene

CAS Number: 25013-15-4

Date Report Requested: 10/23/2014

Time Report Requested: 13:42:43

First Dose M/F: NA / NA

Lab: MIDWEST

ANIMAL ID: 26

TRT#: 2

SEX: Female

DAY ON TEST: 733

DOSE: 25 PPM

DISP: Terminal Sacrifice

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex

Adrenal Gland - Medulla

Bone

Bone Marrow

Esophagus

Intestine Large - Cecum

Intestine Large - Colon

Intestine Large - Rectum

Intestine Small - Duodenum

Intestine Small - Ileum

Intestine Small - Jejunum

Islets, Pancreatic

Kidney

Larynx

Lymph Node - Mandibular

Lymph Node - Mesenteric

Parathyroid Gland

Skin

Stomach - Forestomach

Stomach - Glandular

Thymus

Thyroid Gland

Trachea

OBSERVATIONS

Adrenal Gland

Capsule

Hyperplasia

Diffuse, Moderate

Brain

Mineralization

Multifocal, Minimal

Gallbladder

Infiltration Cellular

Lymphocyte, Minimal

Heart

Lymphoma Malignant Lymphocytic

Lacrimal Gland

Lymphoma Malignant Lymphocytic

Liver

Infiltration Cellular

Lymphocyte, Multifocal, Mild

Lung

Infiltration Cellular

Lymphocyte, Multifocal, Mild

Alveolus, Bronchiole

Inflammation

Chronic Active, Multifocal, Mild

Mammary Gland

Lymphoma Malignant Lymphocytic

Nose

Respirat Epith

Hyperplasia

Marked

Mucosa

Inflammation

Chronic Active, Moderate

Ovary

Lymphoma Malignant Lymphocytic

Pancreas

Lymphoma Malignant Lymphocytic

Pituitary Gland

Pars Distalis

Adenoma

[Adenoma TGLS = 2-1,]

Salivary Glands

Lymphoma Malignant Lymphocytic

Spleen

Lymphoma Malignant Lymphocytic

Urinary Bladder

Lymphoma Malignant Lymphocytic

Uterus

Hyperplasia

Cystic, Moderate

Note: HYPERPLASIA TGLs = 1-8,

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05070-02
Test Type: CHRONIC
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Vinyl toluene
CAS Number: 25013-15-4

Date Report Requested: 10/23/2014
Time Report Requested: 13:42:43
First Dose M/F: NA / NA
Lab: MIDWEST

ANIMAL ID: 26	TRT#: 3 DOSE: 10 PPM	SEX: Female DISP: Moribund Sacrifice	DAY ON TEST: 696 HISTO:
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ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Liver	Spleen
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OBSERVATIONS

Lung		Crystals	Marked
	Alveolus, Bronchiole	Inflammation	Chronic Active, Multifocal, Moderate
Note: INFLAMMATION	TGLs = 1+2-1		
Mesentery	Fat	Necrosis	Focal, Mild
Note: NECROSIS	TGLs = 3-4		
Nose	Respirat Epith	Hyperplasia	Marked
	Mucosa	Inflammation	Chronic Active, Marked
Skin	Subcut Tiss	Fibrosarcoma	
Note: FIBROSARC	TGLs = 7-3		
Uterus		Dilatation	Marked
Note: DILATATION	TGLs = 6-4		

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05070-02

Test Type: CHRONIC

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Vinyl toluene

CAS Number: 25013-15-4

Date Report Requested: 10/23/2014

Time Report Requested: 13:42:43

First Dose M/F: NA / NA

Lab: MIDWEST

ANIMAL ID: 27

TRT#: 1

SEX: Female

DAY ON TEST: 732

DOSE: CONTROL

DISP: Terminal Sacrifice

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	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	Larynx
Lymph Node - Mandibular	Lymph Node - Mesenteric	Mammary Gland	Nose
Pancreas	Parathyroid Gland	Pituitary Gland	Skin
Stomach - Forestomach	Stomach - Glandular	Thyroid Gland	Trachea

MISSING

Thymus

OBSERVATIONS

Adrenal Gland	Capsule	Hyperplasia	Diffuse, Mild
	Medulla	Hyperplasia	Focal, Mild
Liver		Inflammation	Subacute, Multifocal, Minimal
Lung		Lymphoma Malignant Lymphocytic	
Ovary		Cyst	Moderate
		Lymphoma Malignant Lymphocytic	
Note: CYST	TGLs = 1-8,		
Salivary Glands		Infiltration Cellular	Lymphocyte, Multifocal, Mild
Spleen	Capsule	Ectopic Tissue	
Tooth	Pulp	Inflammation	Chronic Active, Focal, Moderate
Urinary Bladder		Lymphoma Malignant Lymphocytic	
Uterus		Hyperplasia	Cystic, Mild

Note: HYPERPLASIA TGLs = 2-8,

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05070-02

Test Type: CHRONIC

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Vinyl toluene

CAS Number: 25013-15-4

Date Report Requested: 10/23/2014

Time Report Requested: 13:42:44

First Dose M/F: NA / NA

Lab: MIDWEST

ANIMAL ID: 27

TRT#: 2

SEX: Female

DAY ON TEST: 733

DOSE: 25 PPM

DISP: Terminal Sacrifice

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - 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	Larynx	Lymph Node - Mandibular
Lymph Node - Mesenteric	Mammary Gland	Ovary	Pancreas
Pituitary Gland	Skin	Spleen	Stomach - Forestomach
Stomach - Glandular	Thyroid Gland	Trachea	

MISSING

Parathyroid Gland	Thymus
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OBSERVATIONS

Adrenal Gland	Capsule	Hyperplasia	Multifocal, Moderate
Brain		Mineralization	Multifocal, Mild
Kidney		Infiltration Cellular	Lymphocyte, Multifocal, Minimal
Liver		Clear Cell Focus	
		Cytomegaly	Focal, Moderate
Lung	Alveolus, Bronchiole	Inflammation	Chronic Active, Multifocal, Moderate
Lymph Node	Bronchial	Hyperplasia	Lymphoid, Moderate
Nose	Respirat Epith	Hyperplasia	Marked
	Mucosa	Inflammation	Chronic Active, Marked
Salivary Glands		Infiltration Cellular	Lymphocyte, Multifocal, Mild
Urinary Bladder		Infiltration Cellular	Mixed Cell, Multifocal, Moderate
Uterus		Hyperplasia	Cystic, Mild
		Metaplasia	Squamous, Mild

Note: HYPERPLASIA TGLs = 1-8,

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05070-02
Test Type: CHRONIC
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Vinyl toluene
CAS Number: 25013-15-4

Date Report Requested: 10/23/2014
Time Report Requested: 13:42:44
First Dose M/F: NA / NA
Lab: MIDWEST

ANIMAL ID: 27	TRT#: 3 DOSE: 10 PPM	SEX: Female DISP: Terminal Sacrifice	DAY ON TEST: 733 HISTO:
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ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Skin

OBSERVATIONS

Lung		Infiltration Cellular	Lymphocyte, Multifocal, Minimal
		Infiltration Cellular	Histiocyte, Focal, Mild
Nose	Respirat Epith Mucosa	Hyperplasia Inflammation	Moderate Chronic Active, Mild
Ovary		Cyst	
Note: CYST	TGLs = 2-3.1		
Uterus		Hyperplasia	Cystic, Mild
Note: HYPERPLASIA	TGLs = 1-3+3.1		

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05070-02

Test Type: CHRONIC

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Vinyl toluene

CAS Number: 25013-15-4

Date Report Requested: 10/23/2014

Time Report Requested: 13:42:44

First Dose M/F: NA / NA

Lab: MIDWEST

ANIMAL ID: 28

TRT#: 1

SEX: Female

DAY ON TEST: 732

DOSE: CONTROL

DISP: Terminal Sacrifice

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex
Esophagus
Intestine Large - Colon
Intestine Small - Jejunum
Nose
Skin
Thyroid Gland

Adrenal Gland - Medulla
Gallbladder
Intestine Large - Rectum
Islets, Pancreatic
Ovary
Stomach - Forestomach
Trachea

Bone
Heart
Intestine Small - Duodenum
Larynx
Pancreas
Stomach - Glandular

Bone Marrow
Intestine Large - Cecum
Intestine Small - Ileum
Lung
Parathyroid Gland
Thymus

OBSERVATIONS

Adrenal Gland
Brain
Intest Small
Kidney
Liver
Lymph Node

Mammary Gland
Pituitary Gland
 Note: ADENOMA TGLs = 5-1+1.1
Salivary Glands
Spleen
 Note: HYPERPLASIA TGLs = 2-5,
Urinary Bladder
Uterus
 Note: HYPERPLASIA TGLs = 3+4-8

Capsule

Mesenteric
Mandibular

Pars Distalis

Hyperplasia
Mineralization

Infiltration Cellular
Infiltration Cellular
Hemorrhage
Hyperplasia
Hyperplasia
Adenoma

Infiltration Cellular
Hyperplasia

Infiltration Cellular
Hyperplasia

Multifocal, Mild
Multifocal, Moderate

Lymphocyte, Multifocal, Moderate
Lymphocyte, Multifocal, Minimal
Moderate
Lymphoid, Marked
Diffuse, Mild

Lymphocyte, Multifocal, Minimal
Lymphoid, Moderate

Lymphocyte, Multifocal, Mild
Cystic, Moderate

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05070-02

Test Type: CHRONIC

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Vinyl toluene

CAS Number: 25013-15-4

Date Report Requested: 10/23/2014

Time Report Requested: 13:42:44

First Dose M/F: NA / NA

Lab: MIDWEST

ANIMAL ID: 28

TRT#: 2

SEX: Female

DAY ON TEST: 732

DOSE: 25 PPM

DISP: Terminal Sacrifice

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex
Brain
Intestine Large - Cecum
Intestine Small - Ileum
Larynx
Mammary Gland
Spleen
Thyroid Gland

Adrenal Gland - Medulla
Esophagus
Intestine Large - Colon
Intestine Small - Jejunum
Liver
Parathyroid Gland
Stomach - Forestomach
Trachea

Bone
Gallbladder
Intestine Large - Rectum
Islets, Pancreatic
Lymph Node - Mandibular
Pituitary Gland
Stomach - Glandular
Urinary Bladder

Bone Marrow
Heart
Intestine Small - Duodenum
Kidney
Lymph Node - Mesenteric
Salivary Glands
Thymus

MISSING

Ovary Skin

OBSERVATIONS

Adrenal Gland
Lung
Nose

Pancreas
Uterus

Capsule
Alveolus, Bronchiole
Respirat Epith
Mucosa

Hyperplasia
Inflammation
Hyperplasia
Inflammation
Infiltration Cellular
Dilatation

Multifocal, Moderate
Chronic Active, Multifocal, Moderate
Marked
Chronic Active, Moderate
Lymphocyte, Multifocal, Minimal
Marked

Note: DILATATION TGLs = 1+2-8,

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05070-02
Test Type: CHRONIC
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Vinyl toluene
CAS Number: 25013-15-4

Date Report Requested: 10/23/2014
Time Report Requested: 13:42:44
First Dose M/F: NA / NA
Lab: MIDWEST

ANIMAL ID: 28

TRT#: 3
DOSE: 10 PPM

SEX: Female
DISP: Terminal Sacrifice

DAY ON TEST: 732
HISTO:

OBSERVATIONS

Lung
Nose

Pituitary Gland
Note: ADENOMA TGLs = 1-1

Respirat Epith
Mucosa
Pars Distalis

Infiltration Cellular
Hyperplasia
Inflammation
Adenoma

Lymphocyte, Multifocal, Minimal
Marked
Chronic Active, Moderate

PRIMARY CAUSE OF DEATH

-

Experiment Number: 05070-02

Test Type: CHRONIC

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Vinyl toluene

CAS Number: 25013-15-4

Date Report Requested: 10/23/2014

Time Report Requested: 13:42:44

First Dose M/F: NA / NA

Lab: MIDWEST

ANIMAL ID: 29

TRT#: 1

SEX: Female

DAY ON TEST: 731

DOSE: CONTROL

DISP: Terminal Sacrifice

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex
Esophagus
Islets, Pancreatic
Lymph Node - Mesenteric
Parathyroid Gland
Stomach - Glandular

Adrenal Gland - Medulla
Heart
Larynx
Mammary Gland
Skin
Thyroid Gland

Bone
Intestine Large - Colon
Lung
Nose
Spleen
Trachea

Bone Marrow
Intestine Large - Rectum
Lymph Node - Mandibular
Ovary
Stomach - Forestomach

AUTO PRECLUDES DIAG.

Gallbladder
Intestine Small - Jejunum

Intestine Large - Cecum

Intestine Small - Duodenum

Intestine Small - Ileum

OBSERVATIONS

Adrenal Gland
Brain
Note: CELLS IN MENINGES ARE ARTIFACTUAL
Kidney
Liver
Note: HEPATOCLR CARC TGLs = 3-5,
Pancreas

Capsule

Pars Distalis
Pars Distalis

Hyperplasia
Mineralization

Infiltration Cellular
Hepatocellular Carcinoma

Cytomegaly
Hypertrophy
Infiltration Cellular
Angiectasis
Hyperplasia
Infiltration Cellular
Depletion Lymphoid
Infiltration Cellular
Hyperplasia

Diffuse, Mild
Multifocal, Mild

Lymphocyte, Multifocal, Mild

Multifocal, Mild
Focal, Mild
Lymphocyte, Focal, Mild
Focal, Mild
Focal, Minimal
Lymphocyte, Multifocal, Marked
Moderate
Lymphocyte, Multifocal, Mild
Cystic, Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05070-02

Test Type: CHRONIC

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Vinyl toluene

CAS Number: 25013-15-4

Date Report Requested: 10/23/2014

Time Report Requested: 13:42:44

First Dose M/F: NA / NA

Lab: MIDWEST

ANIMAL ID: 29

TRT#: 2

SEX: Female

DAY ON TEST: 732

DOSE: 25 PPM

DISP: Terminal Sacrifice

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Bone	Bone Marrow	Brain
Esophagus	Gallbladder	Heart	Intestine Large - Cecum
Intestine Large - Colon	Intestine Large - Rectum	Intestine Small - Duodenum	Intestine Small - Ileum
Islets, Pancreatic	Kidney	Larynx	Liver
Lymph Node - Mandibular	Lymph Node - Mesenteric	Mammary Gland	Ovary
Pancreas	Pituitary Gland	Skin	Stomach - Forestomach
Stomach - Glandular	Thymus	Thyroid Gland	Trachea

MISSING

Intestine Small - Jejunum

OBSERVATIONS

Adrenal Gland	Capsule	Hyperplasia	Multifocal, Moderate
	Medulla	Hyperplasia	Focal, Mild
Harderian Gland		Carcinoma	
Note: CARCINOMA TGLs = 4-10,			
Note: ADENOCARCINOMA WITH SMALL SOLID AREA			
Lung		Alveolar/Bronchiolar Adenoma	
	Alveolus, Bronchiole	Inflammation	Chronic Active, Multifocal, Mild
Nose	Respirat Epith	Hyperplasia	Marked
	Mucosa	Inflammation	Chronic Active, Moderate
Parathyroid Gland		Infiltration Cellular	Lymphocyte, Focal, Moderate
Salivary Glands		Infiltration Cellular	Lymphocyte, Multifocal, Mild
Spleen		Hyperplasia	Plasma Cell, Mild
Note: HYPERPLASIA TGLs = 1-5,			
Urinary Bladder		Infiltration Cellular	Lymphocyte, Multifocal, Minimal
	Serosa	Inflammation	Chronic, Mild
Uterus		Hyperplasia	Cystic, Mild
		Lymphoma Malignant Histiocytic	
Note: LYMPH MAL HIST TGLs = 3-8,			

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05070-02
Test Type: CHRONIC
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Vinyl toluene
CAS Number: 25013-15-4

Date Report Requested: 10/23/2014
Time Report Requested: 13:42:44
First Dose M/F: NA / NA
Lab: MIDWEST

ANIMAL ID: 29	TRT#: 3 DOSE: 10 PPM	SEX: Female DISP: Terminal Sacrifice	DAY ON TEST: 732 HISTO:
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ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Lung

OBSERVATIONS

Bone		Fibrous Osteodystrophy	Moderate
Note: BONE OF SKULL=ASSOCIATED WITH NASAL LESIONS			
Nose	Respirat Epith Mucosa	Hyperplasia Inflammation	Marked Chronic Active, Mild
Uterus		Hyperplasia	Cystic, Marked
Note: HYPERPLASIA TGLs = 1-3			

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05070-02

Test Type: CHRONIC

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Vinyl toluene

CAS Number: 25013-15-4

Date Report Requested: 10/23/2014

Time Report Requested: 13:42:44

First Dose M/F: NA / NA

Lab: MIDWEST

ANIMAL ID: 30

TRT#: 1

SEX: Female

DAY ON TEST: 732

DOSE: CONTROL

DISP: Terminal Sacrifice

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Medulla
Heart
Intestine Small - Duodenum
Larynx
Lymph Node - Mesenteric
Pancreas
Stomach - Forestomach
Trachea

Bone Marrow
Intestine Large - Cecum
Intestine Small - Ileum
Liver
Mammary Gland
Parathyroid Gland
Stomach - Glandular

Esophagus
Intestine Large - Colon
Intestine Small - Jejunum
Lung
Nose
Skin
Thymus

Gallbladder
Intestine Large - Rectum
Islets, Pancreatic
Lymph Node - Mandibular
Ovary
Spleen
Thyroid Gland

OBSERVATIONS

Adrenal Gland

Bone
Brain
Kidney
Pituitary Gland
Salivary Glands
Urinary Bladder
Uterus

Cortex
Capsule

Pars Distalis

Degeneration
Hyperplasia
Fibrous Osteodystrophy
Mineralization
Infiltration Cellular
Hyperplasia
Infiltration Cellular
Infiltration Cellular
Hyperplasia
Thrombosis

Fatty, Focal, Moderate
Multifocal, Mild
Moderate
Multifocal, Moderate
Lymphocyte, Multifocal, Mild
Focal, Mild
Lymphocyte, Multifocal, Moderate
Lymphocyte, Multifocal, Minimal
Cystic, Moderate

Note: HYPERPLASIA TGLs = 2-8,

Note: THROMBUS TGLs = 3-8,

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05070-02

Test Type: CHRONIC

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Vinyl toluene

CAS Number: 25013-15-4

Date Report Requested: 10/23/2014

Time Report Requested: 13:42:44

First Dose M/F: NA / NA

Lab: MIDWEST

ANIMAL ID: 30

TRT#: 2

SEX: Female

DAY ON TEST: 731

DOSE: 25 PPM

DISP: Terminal Sacrifice

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex
Esophagus
Intestine Large - Colon
Intestine Small - Jejunum
Lymph Node - Mandibular
Pancreas
Stomach - Glandular

Adrenal Gland - Medulla
Gallbladder
Intestine Large - Rectum
Islets, Pancreatic
Lymph Node - Mesenteric
Pituitary Gland
Thymus

Bone
Heart
Intestine Small - Duodenum
Larynx
Mammary Gland
Skin
Thyroid Gland

Bone Marrow
Intestine Large - Cecum
Intestine Small - Ileum
Liver
Ovary
Spleen
Trachea

MISSING

Parathyroid Gland

OBSERVATIONS

Adrenal Gland
Brain
Kidney
Lung
Nose
Salivary Glands
Stomach
Urinary Bladder
Uterus

Capsule
Alveolus, Bronchiole
Respirat Epith
Mucosa
Forestomach

Hyperplasia
Mineralization
Infiltration Cellular
Inflammation
Hyperplasia
Inflammation
Infiltration Cellular
Hyperplasia
Infiltration Cellular
Hyperplasia

Multifocal, Marked
Multifocal, Minimal
Lymphocyte, Multifocal, Marked
Chronic Active, Multifocal, Moderate
Marked
Chronic Active, Mild
Lymphocyte, Multifocal, Mild
Squamous, Diffuse, Mild
Lymphocyte, Multifocal, Mild
Cystic, Mild

Note: INFLAMMATION TGLs = 1+2-4,

Note: HYPERPLASIA TGLs = 3-8,

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05070-02
Test Type: CHRONIC
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Vinyl toluene
CAS Number: 25013-15-4

Date Report Requested: 10/23/2014
Time Report Requested: 13:42:44
First Dose M/F: NA / NA
Lab: MIDWEST

ANIMAL ID: 30	TRT#: 3 DOSE: 10 PPM	SEX: Female DISP: Terminal Sacrifice	DAY ON TEST: 731 HISTO:
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ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Liver	Skin
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OBSERVATIONS

Lung	Alveolus, Bronchiole	Inflammation	Chronic Active, Multifocal, Mild
Nose	Respirat Epith Mucosa	Hyperplasia Inflammation	Moderate Chronic Active, Mild
Spleen		Hemangiosarcoma	
Note: HEMANGIOSARC	TGLs = 3-3		
Uterus		Hyperplasia	Cystic, Moderate
Note: HYPERPLASIA	TGLs = 4-4		

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05070-02

Test Type: CHRONIC

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Vinyl toluene

CAS Number: 25013-15-4

Date Report Requested: 10/23/2014

Time Report Requested: 13:42:44

First Dose M/F: NA / NA

Lab: MIDWEST

ANIMAL ID: 31

TRT#: 1

SEX: Female

DAY ON TEST: 560

DOSE: CONTROL

DISP: Moribund Sacrifice

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Bone Marrow
Esophagus	Gallbladder	Intestine Large - Cecum	Intestine Large - Colon
Intestine Large - Rectum	Intestine Small - Duodenum	Intestine Small - Ileum	Intestine Small - Jejunum
Islets, Pancreatic	Kidney	Larynx	Lymph Node - Mandibular
Mammary Gland	Nose	Ovary	Pancreas
Pituitary Gland	Salivary Glands	Skin	Stomach - Forestomach
Stomach - Glandular	Thyroid Gland	Trachea	

MISSING

Lymph Node - Mesenteric	Parathyroid Gland	Thymus
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OBSERVATIONS

Adrenal Gland	Capsule	Hyperplasia	Multifocal, Moderate
Brain		Inflammation	Acute, Focal, Mild
		Mineralization	Multifocal, Mild
Heart		Bacterium	Marked
		Inflammation	Chronic Active, Multifocal, Marked
	Atrium Lft	Thrombosis	Marked
Liver		Hematopoietic Cell Proliferation	Multifocal, Mild
Lung	Mediastinum	Infiltration Cellular	Lymphocyte, Multifocal, Mild
	Artery	Inflammation	Acute, Multifocal, Marked
Spleen		Hematopoietic Cell Proliferation	Moderate
		Hyperplasia	Lymphoid, Mild
Note: HEMA CELL PROL	TGLs = 1-5,		
Note: HYPERPLASIA	TGLs = 1-5,		
Urinary Bladder		Infiltration Cellular	Lymphocyte, Multifocal, Mild
Uterus		Hyperplasia	Cystic, Moderate
		Inflammation	Chronic Active, Multifocal, Moderate
Note: INFLAMMATION	TGLs = 2-8,		
Note: HYPERPLASIA	TGLs = 2-8,		

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05070-02

Test Type: CHRONIC

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Vinyl toluene

CAS Number: 25013-15-4

Date Report Requested: 10/23/2014

Time Report Requested: 13:42:44

First Dose M/F: NA / NA

Lab: MIDWEST

ANIMAL ID: 31

TRT#: 2

SEX: Female

DAY ON TEST: 735

DOSE: 25 PPM

DISP: Terminal Sacrifice

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex
Esophagus
Intestine Large - Colon
Intestine Small - Jejunum
Lymph Node - Mandibular
Pancreas
Spleen
Urinary Bladder

Adrenal Gland - Medulla
Gallbladder
Intestine Large - Rectum
Islets, Pancreatic
Lymph Node - Mesenteric
Pituitary Gland
Stomach - Forestomach

Bone
Heart
Intestine Small - Duodenum
Kidney
Mammary Gland
Salivary Glands
Stomach - Glandular

Bone Marrow
Intestine Large - Cecum
Intestine Small - Ileum
Liver
Ovary
Skin
Thymus

MISSING

Larynx

Parathyroid Gland

Thyroid Gland

Trachea

OBSERVATIONS

Adrenal Gland
Brain
Lung
 Note: INFLAMMATION TGLs = 4-4,
Nose

Uterus

 Note: HYPERPLASIA TGLs = 3-8,
 Note: DILATATION TGLs = 3-8,

Capsule

Alveolus, Bronchiole

Respirat Epith
Mucosa

Hyperplasia
Mineralization
Inflammation

Hyperplasia
Inflammation
Dilatation
Hyperplasia

Diffuse, Moderate
Multifocal, Mild
Chronic Active, Multifocal, Moderate

Marked
Chronic Active, Mild
Moderate
Cystic, Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05070-02
Test Type: CHRONIC
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Vinyl toluene
CAS Number: 25013-15-4

Date Report Requested: 10/23/2014
Time Report Requested: 13:42:44
First Dose M/F: NA / NA
Lab: MIDWEST

ANIMAL ID: 31	TRT#: 3 DOSE: 10 PPM	SEX: Female DISP: Terminal Sacrifice	DAY ON TEST: 735 HISTO:
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ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Lung	Skin
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OBSERVATIONS

Nose	Respirat Epith Mucosa	Hyperplasia Inflammation Cyst	Marked Chronic Active, Mild Marked
Ovary Note: CYST TGLs = 2-3			
Pituitary Gland Note: ADENOMA TGLs = 3-3	Pars Distalis	Adenoma	

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05070-02

Test Type: CHRONIC

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Vinyl toluene

CAS Number: 25013-15-4

Date Report Requested: 10/23/2014

Time Report Requested: 13:42:44

First Dose M/F: NA / NA

Lab: MIDWEST

ANIMAL ID: 32

TRT#: 1

SEX: Female

DAY ON TEST: 735

DOSE: CONTROL

DISP: Terminal Sacrifice

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex
Esophagus
Intestine Large - Colon
Intestine Small - Jejunum
Lymph Node - Mesenteric
Skin
Trachea

Adrenal Gland - Medulla
Gallbladder
Intestine Large - Rectum
Islets, Pancreatic
Ovary
Stomach - Forestomach

Brain
Heart
Intestine Small - Duodenum
Larynx
Parathyroid Gland
Stomach - Glandular

Clitoral Gland
Intestine Large - Cecum
Intestine Small - Ileum
Lymph Node - Mandibular
Pituitary Gland
Thymus

OBSERVATIONS

Adrenal Gland
Kidney
Liver
Lung
Mammary Gland
Note: HAS ADENOACANTHOMATOUS AREAS
Note: ADENOCARC TGLs = 1-10,

Capsule

Nasolacrim Dct

Hyperplasia
Infiltration Cellular
Infiltration Cellular
Infiltration Cellular
Adenocarcinoma

Multifocal, Moderate
Lymphocyte, Multifocal, Minimal
Lymphocyte, Diffuse, Moderate
Lymphocyte, Multifocal, Mild

Nose
Note: RETAINED SECRETION - OLFACTORY EPITHELIUM

Inflammation

Chronic, Mild

Pancreas
Salivary Glands
Spleen
Note: HYPERPLASIA TGLs = 2-5,

Infiltration Cellular
Infiltration Cellular
Hyperplasia

Lymphocyte, Multifocal, Mild
Lymphocyte, Multifocal, Moderate
Lymphoid, Marked

Stomach
Thyroid Gland
Urinary Bladder
Uterus
Note: POLYP STROMAL TGLs = 3-8,

Glandular
Glandular
Follicular Cel

Developmental Malformation
Hamartoma
Adenoma
Infiltration Cellular
Polyp Stromal

Lymphocyte, Multifocal, Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05070-02

Test Type: CHRONIC

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Vinyl toluene

CAS Number: 25013-15-4

Date Report Requested: 10/23/2014

Time Report Requested: 13:42:44

First Dose M/F: NA / NA

Lab: MIDWEST

ANIMAL ID: 32

TRT#: 2

SEX: Female

DAY ON TEST: 674

DOSE: 25 PPM

DISP: Natural Death

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Medulla
Gallbladder
Intestine Small - Ileum
Mammary Gland
Stomach - Forestomach
Uterus

Bone
Intestine Large - Cecum
Intestine Small - Jejunum
Pancreas
Stomach - Glandular

Brain
Intestine Large - Colon
Larynx
Pituitary Gland
Thyroid Gland

Esophagus
Intestine Large - Rectum
Lymph Node - Mesenteric
Skin
Trachea

MISSING

Parathyroid Gland

Thymus

AUTO PRECLUDES DIAG.

Intestine Small - Duodenum

OBSERVATIONS

Adrenal Gland

Capsule
Cortex

Hyperplasia
Hyperplasia
Lymphoma Malignant Lymphocytic
Lymphoma Malignant Lymphocytic
Cardiomyopathy
Lymphoma Malignant Lymphocytic

Multifocal, Mild
Focal, Moderate

Bone Marrow
Heart

Thrombosis

Mild

Islets, Pancreatic
Kidney
Liver

Atrium Lft

Hyperplasia
Hyperplasia
Lymphoma Malignant Lymphocytic
Vacuolization Cytoplasmic

Marked
Multifocal, Mild
Atypical, Multifocal, Mild

Lung

Alveolus, Bronchiole

Infiltration Cellular
Inflammation
Lymphoma Malignant Lymphocytic

Multifocal, Mild
Histocyte, Diffuse, Marked
Chronic Active, Multifocal, Mild

Lymph Node

Mandibular
Mandibular

Hyperplasia
Pigmentation
Lymphoma Malignant Lymphocytic

Reticulum Cell, Mild
Hemosiderin, Diffuse, Moderate

Mesentery
Nose

Respirat Epith
Mucosa

Hyperplasia
Inflammation

Marked
Chronic Active, Moderate

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05070-02
Test Type: CHRONIC
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Vinyl toluene
CAS Number: 25013-15-4

Date Report Requested: 10/23/2014
Time Report Requested: 13:42:44
First Dose M/F: NA / NA
Lab: MIDWEST

ANIMAL ID: 32

TRT#: 2
DOSE: 25 PPM

SEX: Female
DISP: Natural Death

DAY ON TEST: 674
HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

Ovary	Lymphoma Malignant Lymphocytic	
Salivary Glands	Infiltration Cellular	Lymphocyte, Multifocal, Minimal
Spleen	Lymphoma Malignant Lymphocytic	
Urinary Bladder	Infiltration Cellular	Lymphocyte, Multifocal, Moderate

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05070-02
Test Type: CHRONIC
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Vinyl toluene
CAS Number: 25013-15-4

Date Report Requested: 10/23/2014
Time Report Requested: 13:42:44
First Dose M/F: NA / NA
Lab: MIDWEST

ANIMAL ID: 32

TRT#: 3

SEX: Female

DAY ON TEST: 735

DOSE: 10 PPM

DISP: Terminal Sacrifice

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Lung

OBSERVATIONS

Lung

Note: GROSS LESIONS ARE PROSECTOR ARTIFACTS

Nose

Respirat Epith

Hyperplasia

Moderate

Mucosa

Inflammation

Chronic Active, Moderate

Uterus

Hyperplasia

Cystic, Moderate

Note: HYPERPLASIA TGLs = 1-3

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05070-02

Test Type: CHRONIC

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Vinyl toluene

CAS Number: 25013-15-4

Date Report Requested: 10/23/2014

Time Report Requested: 13:42:44

First Dose M/F: NA / NA

Lab: MIDWEST

ANIMAL ID: 33

TRT#: 1

SEX: Female

DAY ON TEST: 735

DOSE: CONTROL

DISP: Terminal Sacrifice

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex
Esophagus
Intestine Large - Colon
Intestine Small - Jejunum
Ovary
Stomach - Forestomach
Trachea

Adrenal Gland - Medulla
Gallbladder
Intestine Large - Rectum
Liver
Parathyroid Gland
Stomach - Glandular

Bone
Heart
Intestine Small - Duodenum
Lymph Node - Mandibular
Pituitary Gland
Thymus

Bone Marrow
Intestine Large - Cecum
Intestine Small - Ileum
Nose
Spleen
Thyroid Gland

MISSING

Larynx

Mammary Gland

Urinary Bladder

OBSERVATIONS

Adrenal Gland
Brain
Islets, Pancreatic
Kidney
Lung
Lymph Node
Nose
Pancreas
Salivary Glands
Skin
Uterus

Capsule

Mesenteric

Hyperplasia
Mineralization
Hyperplasia
Infiltration Cellular
Infiltration Cellular
Hemorrhage

Infiltration Cellular
Infiltration Cellular
Inflammation
Hyperplasia

Multifocal, Moderate
Multifocal, Minimal
Multifocal, Moderate
Lymphocyte, Multifocal, Minimal
Lymphocyte, Multifocal, Minimal
Mild

Lymphocyte, Multifocal, Mild
Lymphocyte, Multifocal, Marked
Chronic Active, Diffuse, Minimal
Cystic, Moderate

Note: HEMORRHAGE TGLs = 2-7,

Nose

Note: MILD RETENTION OF SECRETIONS IN RESPIRATORY EPITHELIUM

Note: HYPERPLASIA TGLs = 3-8,

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05070-02

Test Type: CHRONIC

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Vinyl toluene

CAS Number: 25013-15-4

Date Report Requested: 10/23/2014

Time Report Requested: 13:42:44

First Dose M/F: NA / NA

Lab: MIDWEST

ANIMAL ID: 33

TRT#: 2

SEX: Female

DAY ON TEST: 734

DOSE: 25 PPM

DISP: Terminal Sacrifice

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - 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
Larynx	Liver	Lymph Node - Mandibular	Lymph Node - Mesenteric
Mammary Gland	Ovary	Pancreas	Parathyroid Gland
Pituitary Gland	Skin	Spleen	Stomach - Forestomach
Stomach - Glandular	Thymus	Thyroid Gland	Trachea

OBSERVATIONS

Adrenal Gland	Capsule	Hyperplasia	Multifocal, Moderate
Lung		Infiltration Cellular	Lymphocyte, Multifocal, Moderate
	Alveolus	Inflammation	Chronic Active, Multifocal, Minimal
Nose	Respirat Epith	Hyperplasia	Marked
	Mucosa	Inflammation	Chronic Active, Mild
Salivary Glands		Infiltration Cellular	Lymphocyte, Multifocal, Mild
Urinary Bladder		Infiltration Cellular	Lymphocyte, Multifocal, Minimal
Uterus		Dilatation	Marked
		Hyperplasia	Cystic, Mild

Note: HYPERPLASIA TGLs = 3-8,

Note: DILATATION TGLs = 2-8,

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05070-02
Test Type: CHRONIC
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Vinyl toluene
CAS Number: 25013-15-4

Date Report Requested: 10/23/2014
Time Report Requested: 13:42:44
First Dose M/F: NA / NA
Lab: MIDWEST

ANIMAL ID: 33

TRT#: 3
DOSE: 10 PPM

SEX: Female
DISP: Terminal Sacrifice

DAY ON TEST: 735
HISTO:

OBSERVATIONS

Kidney
Note: LYMPH MAL MIXD TGLs = 1-4

Lymphoma Malignant Mixed

Liver
Note: LYMPH MAL MIXD TGLs = 2-4

Lymphoma Malignant Mixed

Lung
[Inflammation TGLS = 4-1]

Alveolus, Bronchiole

Crystals
Infiltration Cellular
Inflammation
Marked
Histiocyte, Multifocal, Mild
Chronic Active, Focal, Marked

Nose
Respirat Epith
Mucosa

Hyperplasia
Inflammation
Hyperplasia
Marked
Chronic Active, Moderate
Cystic, Mild

Uterus
Note: HYPERPLASIA TGLs = 3-3

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05070-02

Test Type: CHRONIC

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Vinyl toluene

CAS Number: 25013-15-4

Date Report Requested: 10/23/2014

Time Report Requested: 13:42:44

First Dose M/F: NA / NA

Lab: MIDWEST

ANIMAL ID: 34

TRT#: 1

SEX: Female

DAY ON TEST: 734

DOSE: CONTROL

DISP: Terminal Sacrifice

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex

Adrenal Gland - Medulla

Bone Marrow

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

Nose

Pancreas

Pituitary Gland

Skin

Spleen

Stomach - Forestomach

Stomach - Glandular

Thymus

Thyroid Gland

Trachea

MISSING

Gallbladder

Larynx

Parathyroid Gland

OBSERVATIONS

Adrenal Gland

Capsule

Hyperplasia

Multifocal, Moderate

Bone

Fibrous Osteodystrophy

Moderate

Note: FIB OSTEODYST VS NEOPLASM IN BONE OF NASAL SECTION

Brain

Mineralization

Multifocal, Mild

Liver

Infiltration Cellular

Lymphocyte, Multifocal, Minimal

Ovary

Periovarn Tiss

Infiltration Cellular

Lymphocyte, Marked

Salivary Glands

Infiltration Cellular

Lymphocyte, Multifocal, Moderate

Urinary Bladder

Infiltration Cellular

Lymphocyte, Multifocal, Mild

Uterus

Hyperplasia

Cystic, Marked

Note: HYPERPLASIA TGLs = 1-8,

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05070-02
Test Type: CHRONIC
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Vinyl toluene
CAS Number: 25013-15-4

Date Report Requested: 10/23/2014
Time Report Requested: 13:42:44
First Dose M/F: NA / NA
Lab: MIDWEST

ANIMAL ID: 34

TRT#: 2
DOSE: 25 PPM

SEX: Female
DISP: Natural Death

DAY ON TEST: 350
HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

AUTO PRECLUDES DIAG.

Adrenal Gland - Cortex
Gallbladder
Lung
Urinary Bladder

Adrenal Gland - Medulla
Heart
Pituitary Gland

Brain
Kidney
Spleen

Esophagus
Liver
Thymus

PRIMARY CAUSE OF DEATH -

Animal Note: MARKED AUTOLYSIS OF ALL TISSUES

Animal Note: MANY TISSUES NOT RECOGNIZABLE

Animal Note: POSSIBLY LYMPHOMA

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05070-02
Test Type: CHRONIC
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Vinyl toluene
CAS Number: 25013-15-4

Date Report Requested: 10/23/2014
Time Report Requested: 13:42:44
First Dose M/F: NA / NA
Lab: MIDWEST

ANIMAL ID: 34	TRT#: 3 DOSE: 10 PPM	SEX: Female DISP: Terminal Sacrifice	DAY ON TEST: 735 HISTO:
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ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Skin

OBSERVATIONS

Bone Note: BONE IS SKULL		Fibrous Osteodystrophy	Minimal
Liver Note: HEPATOCLR CARC TGLs = 2-4		Hepatocellular Carcinoma	
Lung		Hepatocellular Carcinoma Infiltration Cellular Infiltration Cellular	Metastatic (Uncertain Primary Site) Histiocyte, Focal, Mild Lymphocyte, Multifocal, Mild
Nose	Respirat Epith Mucosa	Hyperplasia Inflammation	Moderate Chronic Active, Mild
Uterus Note: HYPERPLASIA TGLs = 3-3		Hyperplasia	Cystic, Moderate

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05070-02

Test Type: CHRONIC

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Vinyl toluene

CAS Number: 25013-15-4

Date Report Requested: 10/23/2014

Time Report Requested: 13:42:44

First Dose M/F: NA / NA

Lab: MIDWEST

ANIMAL ID: 35

TRT#: 1

SEX: Female

DAY ON TEST: 734

DOSE: CONTROL

DISP: Terminal Sacrifice

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Bone Marrow
Esophagus	Gallbladder	Intestine Large - Cecum	Intestine Large - Colon
Intestine Large - Rectum	Intestine Small - Duodenum	Intestine Small - Ileum	Intestine Small - Jejunum
Islets, Pancreatic	Kidney	Larynx	Lymph Node - Mandibular
Mammary Gland	Ovary	Pancreas	Parathyroid Gland
Salivary Glands	Skin	Spleen	Stomach - Forestomach
Stomach - Glandular	Thymus	Trachea	

MISSING

Lymph Node - Mesenteric

OBSERVATIONS

Adrenal Gland	Capsule	Hyperplasia	Diffuse, Marked
Brain		Mineralization	Multifocal, Mild
Heart	Atrium Lft	Lymphoma Malignant Undifferentiated Cell Type	
Liver		Lymphoma Malignant Undifferentiated Cell Type	
Lung		Lymphoma Malignant Undifferentiated Cell Type	
Nose	Respirat Epith	Hyperplasia	Minimal
	Mucosa	Inflammation	Chronic Active, Minimal
Pituitary Gland	Pars Distalis	Angiectasis	Focal, Mild
Thyroid Gland	Follicular Cel	Hyperplasia	Multifocal, Mild
Urinary Bladder		Lymphoma Malignant Undifferentiated Cell Type	
Uterus		Hyperplasia	Cystic, Marked
		Lymphoma Malignant Undifferentiated Cell Type	

Note: HYPERPLASIA TGLs = 1-8,

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05070-02

Test Type: CHRONIC

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Vinyl toluene

CAS Number: 25013-15-4

Date Report Requested: 10/23/2014

Time Report Requested: 13:42:44

First Dose M/F: NA / NA

Lab: MIDWEST

ANIMAL ID: 35

TRT#: 2

SEX: Female

DAY ON TEST: 734

DOSE: 25 PPM

DISP: Terminal Sacrifice

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Bone Marrow
Brain	Esophagus	Gallbladder	Heart
Intestine Large - Cecum	Intestine Large - Colon	Intestine Large - Rectum	Intestine Small - Duodenum
Intestine Small - Jejunum	Islets, Pancreatic	Kidney	Larynx
Liver	Lymph Node - Mesenteric	Mammary Gland	Ovary
Pancreas	Parathyroid Gland	Pituitary Gland	Skin
Spleen	Stomach - Forestomach	Stomach - Glandular	Thyroid Gland
Trachea	Urinary Bladder		

OBSERVATIONS

Adrenal Gland	Capsule	Hyperplasia	Multifocal, Moderate
Intestine Small	Peyers Patch	Lymphoma Malignant Lymphocytic	
Lacrimal Gland		Infiltration Cellular	Lymphocyte, Focal, Mild
Lung	Alveolus, Bronchiole	Inflammation	Chronic Active, Multifocal, Mild
Lymph Node	Bronchial	Lymphoma Malignant Lymphocytic	
	Mandibular	Pigmentation	Hemosiderin, Diffuse, Mild
Nose	Respirat Epith	Hyperplasia	Marked
	Mucosa	Inflammation	Chronic Active, Mild
Salivary Glands		Infiltration Cellular	Lymphocyte, Multifocal, Minimal
		Inflammation	Chronic, Focal, Moderate
Thymus		Angiectasis	Multifocal, Moderate
Uterus		Dilatation	Moderate
		Hyperplasia	Cystic, Mild

Note: DILATATION TGLs = 1-8,

Note: HYPERPLASIA TGLs = 2-8,

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05070-02
Test Type: CHRONIC
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Vinyl toluene
CAS Number: 25013-15-4

Date Report Requested: 10/23/2014
Time Report Requested: 13:42:44
First Dose M/F: NA / NA
Lab: MIDWEST

ANIMAL ID: 35	TRT#: 3 DOSE: 10 PPM	SEX: Female DISP: Moribund Sacrifice	DAY ON TEST: 657 HISTO:
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ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Lung

OBSERVATIONS

Kidney Note: HEMANGIOSARC TGLs = 8-3		Hemangiosarcoma	Metastatic (Spleen)
Liver		Hemangiosarcoma	Metastatic (Spleen)
Lymph Node	Mesenteric Mesenteric	Hematopoietic Cell Proliferation Hemorrhage	Moderate Moderate
Nose Note: HEMA CELL PROL TGLs = 1-3 Note: HEMORRHAGE TGLs = 1-3	Respirat Epith Mucosa	Hyperplasia Inflammation Cyst	Marked Chronic Active, Moderate
Ovary Note: CYST TGLs = 5-4			
Spleen Note: HEMANGIOSARC TGLs = 6-3		Hemangiosarcoma Hematopoietic Cell Proliferation	Moderate
Uterus Note: HEMANGIOSARC TGLs = 2-4 Note: DILATATION TGLs = 3-4		Dilatation Hemangiosarcoma	Marked Metastatic (Spleen)

PRIMARY CAUSE OF DEATH

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05070-02

Test Type: CHRONIC

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Vinyl toluene

CAS Number: 25013-15-4

Date Report Requested: 10/23/2014

Time Report Requested: 13:42:44

First Dose M/F: NA / NA

Lab: MIDWEST

ANIMAL ID: 36

TRT#: 1

SEX: Female

DAY ON TEST: 733

DOSE: CONTROL

DISP: Terminal Sacrifice

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex

Adrenal Gland - Medulla

Bone Marrow

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

Nose

Ovary

Pancreas

Pituitary Gland

Skin

Stomach - Forestomach

Stomach - Glandular

Thyroid Gland

Trachea

MISSING

Larynx

Parathyroid Gland

INSUFFICIENT TISSUE

Lymph Node - Mesenteric

OBSERVATIONS

Adrenal Gland

Cortex

Accessory Adrenal Cortical Nodule

Capsule

Hyperplasia

Multifocal, Moderate

Note: 1991 CONVERSION DISCREPANCY. ORIGINAL DIAGNOSIS SITE NOT SPECIFIED.

Bone

Joint

Inflammation

Chronic, Focal, Mild

Brain

Mineralization

Multifocal, Moderate

Note: POSSIBLE FREEZING ARTIFACT

Heart

Pericardium

Infiltration Cellular

Mixed Cell, Multifocal, Mild

Kidney

Infiltration Cellular

Lymphocyte, Multifocal, Minimal

Liver

Hepatocellular Adenoma

Lung

Lymphoma Malignant Lymphocytic

Mammary Gland

Infiltration Cellular

Mixed Cell, Multifocal, Mild

Salivary Glands

Infiltration Cellular

Lymphocyte, Multifocal, Moderate

Inflammation

Chronic Active, Focal, Marked

Spleen

Capsule

Fibrosis

Focal, Marked

Note: FIBROSIS TGLs = 1-5,

Thymus

Lymphoma Malignant Lymphocytic

Urinary Bladder

Infiltration Cellular

Mixed Cell, Multifocal, Minimal

Uterus

Hyperplasia

Cystic, Marked

Note: HYPERPLASIA TGLs = 3-8,

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05070-02
Test Type: CHRONIC
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Vinyl toluene
CAS Number: 25013-15-4

Date Report Requested: 10/23/2014
Time Report Requested: 13:42:44
First Dose M/F: NA / NA
Lab: MIDWEST

ANIMAL ID: 36

TRT#: 1

SEX: Female

DAY ON TEST: 733

DOSE: CONTROL

DISP: Terminal Sacrifice

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05070-02

Test Type: CHRONIC

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Vinyl toluene

CAS Number: 25013-15-4

Date Report Requested: 10/23/2014

Time Report Requested: 13:42:44

First Dose M/F: NA / NA

Lab: MIDWEST

ANIMAL ID: 36

TRT#: 2

SEX: Female

DAY ON TEST: 734

DOSE: 25 PPM

DISP: Terminal Sacrifice

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex
Gallbladder
Intestine Large - Rectum
Kidney
Lymph Node - Mesenteric
Salivary Glands
Stomach - Glandular
Uterus

Adrenal Gland - Medulla
Heart
Intestine Small - Duodenum
Larynx
Mammary Gland
Skin
Thyroid Gland

Bone Marrow
Intestine Large - Cecum
Intestine Small - Ileum
Liver
Pancreas
Spleen
Trachea

Esophagus
Intestine Large - Colon
Intestine Small - Jejunum
Lymph Node - Mandibular
Pituitary Gland
Stomach - Forestomach
Urinary Bladder

MISSING

Parathyroid Gland

OBSERVATIONS

Adrenal Gland
Bone
Brain
Clitoral Gland
 Note: CYST TGLs = 2-10,
Islets, Pancreatic
Lung
Nose

Ovary
 Note: CYST TGLs = 3+4-8
 Note: CYST TGLs = 3+4-8,
Thymus

Capsule

Alveolus, Bronchiole
Respirat Epith
Mucosa

Hyperplasia
Fibrous Osteodystrophy
Mineralization
Cyst

Hyperplasia
Inflammation
Hyperplasia
Inflammation
Cyst

Cyst

Diffuse, Moderate
Moderate
Multifocal, Minimal
Multifocal, Moderate

Multifocal, Mild
Chronic Active, Multifocal, Mild
Marked
Chronic Active, Mild

Multiple, Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05070-02
Test Type: CHRONIC
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Vinyl toluene
CAS Number: 25013-15-4

Date Report Requested: 10/23/2014
Time Report Requested: 13:42:44
First Dose M/F: NA / NA
Lab: MIDWEST

ANIMAL ID: 36	TRT#: 3 DOSE: 10 PPM	SEX: Female DISP: Terminal Sacrifice	DAY ON TEST: 734 HISTO:
OBSERVATIONS			
Bone Note: BONE IS SKULL		Fibrous Osteodystrophy	Minimal
Lung	Alveolus, Bronchiole	Inflammation	Chronic Active, Multifocal, Minimal
Lymph Node Note: LYMPH MAL UNDF TGLs = 2-4	Pancreatic	Lymphoma Malignant Undifferentiated Cell Type	
Nose	Respirat Epith Mucosa	Hyperplasia Inflammation Cyst	Marked Chronic Active, Mild Moderate
Ovary Note: CYST TGLs = 4-3 Note: CYST TGLs = 3-3			
<hr/> PRIMARY CAUSE OF DEATH - <hr/>			

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05070-02

Test Type: CHRONIC

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Vinyl toluene

CAS Number: 25013-15-4

Date Report Requested: 10/23/2014

Time Report Requested: 13:42:44

First Dose M/F: NA / NA

Lab: MIDWEST

ANIMAL ID: 37

TRT#: 1

SEX: Female

DAY ON TEST: 733

DOSE: CONTROL

DISP: Terminal Sacrifice

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex
Brain
Intestine Large - Cecum
Intestine Small - Ileum
Larynx
Ovary
Skin
Thymus

Adrenal Gland - Medulla
Esophagus
Intestine Large - Colon
Intestine Small - Jejunum
Lung
Pancreas
Spleen
Thyroid Gland

Bone
Gallbladder
Intestine Large - Rectum
Islets, Pancreatic
Mammary Gland
Parathyroid Gland
Stomach - Forestomach
Trachea

Bone Marrow
Heart
Intestine Small - Duodenum
Kidney
Nose
Salivary Glands
Stomach - Glandular
Urinary Bladder

MISSING

Lymph Node - Mandibular

OBSERVATIONS

Adrenal Gland
Liver
Note: HEPATOCLR ADEN TGLs = 1-5,
Lymph Node
Pituitary Gland
Uterus
Note: HYPERPLASIA TGLs = 2-8,

Capsule
Bronchial
Mesenteric
Pars Distalis

Hyperplasia
Hepatocellular Adenoma
Depletion Lymphoid
Hyperplasia
Hyperplasia
Hyperplasia

Diffuse, Moderate
Diffuse, Moderate
Lymphoid, Moderate
Focal, Marked
Cystic, Moderate

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05070-02

Test Type: CHRONIC

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Vinyl toluene

CAS Number: 25013-15-4

Date Report Requested: 10/23/2014

Time Report Requested: 13:42:44

First Dose M/F: NA / NA

Lab: MIDWEST

ANIMAL ID: 37

TRT#: 2

SEX: Female

DAY ON TEST: 148

DOSE: 25 PPM

DISP: Dosing Accident

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex
Brain
Intestine Large - Colon
Liver
Salivary Glands
Thymus

Adrenal Gland - Medulla
Esophagus
Intestine Small - Duodenum
Ovary
Spleen
Thyroid Gland

Bone
Gallbladder
Islets, Pancreatic
Pancreas
Stomach - Forestomach

Bone Marrow
Heart
Kidney
Pituitary Gland
Stomach - Glandular

MISSING

Intestine Large - Cecum
Larynx
Parathyroid Gland

Intestine Large - Rectum
Lymph Node - Mandibular
Skin

Intestine Small - Ileum
Lymph Node - Mesenteric
Urinary Bladder

Intestine Small - Jejunum
Mammary Gland
Uterus

OBSERVATIONS

Lung
Nose
Bronchiole
Lumen
Respirat Epith
Mucosa

Infiltration Cellular
Inflammation
Crystals
Hyperplasia
Inflammation

Histiocyte, Multifocal, Mild
Chronic Active, Focal, Minimal
Moderate
Marked
Chronic Active, Moderate

Note: CRYSTALLIZED MUCOPROTEIN(?) SECRETION IN LUMINA

Note: MARKED RETENTION OF SECRETION IN RESP. EPITHELIUM

Trachea
Metaplasia

Squamous, Multifocal, Moderate

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05070-02
Test Type: CHRONIC
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Vinyl toluene
CAS Number: 25013-15-4

Date Report Requested: 10/23/2014
Time Report Requested: 13:42:44
First Dose M/F: NA / NA
Lab: MIDWEST

ANIMAL ID: 37

TRT#: 3

SEX: Female

DAY ON TEST: 696

DOSE: 10 PPM

DISP: Moribund Sacrifice

HISTO:

OBSERVATIONS

Liver Note: HEPATOCLR CARC TGLs = 6-3		Hepatocellular Carcinoma	
Lung [Lymphoma Malignant Mixed TGLS = 1-1]	Mediastinum Pleura	Lymphoma Malignant Mixed Lymphoma Malignant Mixed	
Lymph Node Note: LYMPH MAL MIXD TGLs = 3-1	Mesenteric	Lymphoma Malignant Mixed	
Nose	Respirat Epith Mucosa	Hyperplasia Inflammation Abscess	Marked Chronic Active, Moderate Multiple, Marked
Ovary Note: ABSCESS TGLs = 4+5-4			
Spleen Note: HEMA CELL PROL TGLs = 2-3		Hematopoietic Cell Proliferation	Marked

PRIMARY CAUSE OF DEATH

-

Animal Note: "HIP MASS" NOT IN WET TISSUE

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05070-02

Test Type: CHRONIC

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Vinyl toluene

CAS Number: 25013-15-4

Date Report Requested: 10/23/2014

Time Report Requested: 13:42:44

First Dose M/F: NA / NA

Lab: MIDWEST

ANIMAL ID: 38

TRT#: 1

SEX: Female

DAY ON TEST: 733

DOSE: CONTROL

DISP: Terminal Sacrifice

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex

Bone Marrow

Esophagus

Gallbladder

Heart

Intestine Large - Cecum

Intestine Large - Colon

Intestine Large - Rectum

Intestine Small - Duodenum

Intestine Small - Ileum

Intestine Small - Jejunum

Mammary Gland

Nose

Skin

Spleen

Stomach - Forestomach

Stomach - Glandular

Thyroid Gland

Trachea

OBSERVATIONS

Adrenal Gland

Capsule

Hyperplasia

Diffuse, Moderate

Medulla

Pheochromocytoma Benign

Bone

Fibrous Osteodystrophy

Moderate

Brain

Mineralization

Multifocal, Mild

Islets, Pancreatic

Hyperplasia

Multifocal, Moderate

Kidney

Lymphoma Malignant Lymphocytic

Larynx

Inflammation

Chronic Active, Mild

Liver

Inflammation

Subacute, Multifocal, Minimal

Lung

Pleura

Lymphoma Malignant Lymphocytic

Lymph Node

Bronchial

Hyperplasia

Plasma Cell, Moderate

Mandibular

Hyperplasia

Plasma Cell, Mild

Mediastinal

Hyperplasia

Plasma Cell, Moderate

Mesenteric

Hyperplasia

Lymphoid, Moderate

Mandibular

Lymphoma Malignant Lymphocytic

Mesentery

Infiltration Cellular

Mixed Cell, Moderate

Ovary

Periovarn Tiss

Infiltration Cellular

Lymphocyte, Moderate

Pancreas

Infiltration Cellular

Lymphocyte, Multifocal, Marked

Parathyroid Gland

Infiltration Cellular

Lymphocyte, Focal, Moderate

Pituitary Gland

Pars Distalis

Adenoma

Pars Distalis

Hyperplasia

Multifocal, Mild

Salivary Glands

Infiltration Cellular

Lymphocyte, Multifocal, Mild

Thymus

Lymphoma Malignant Lymphocytic

Urinary Bladder

Infiltration Cellular

Lymphocyte, Multifocal, Minimal

Uterus

Hyperplasia

Cystic, Moderate

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05070-02

Test Type: CHRONIC

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Vinyl toluene

CAS Number: 25013-15-4

Date Report Requested: 10/23/2014

Time Report Requested: 13:42:44

First Dose M/F: NA / NA

Lab: MIDWEST

ANIMAL ID: 38

TRT#: 1

SEX: Female

DAY ON TEST: 733

DOSE: CONTROL

DISP: Terminal Sacrifice

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

Polyp Stromal

Note: HYPERPLASIA TGLs = 2-8,

Note: POLYP STROMAL TGLs = 3-8,

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05070-02
Test Type: CHRONIC
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Vinyl toluene
CAS Number: 25013-15-4

Date Report Requested: 10/23/2014
Time Report Requested: 13:42:44
First Dose M/F: NA / NA
Lab: MIDWEST

ANIMAL ID: 38

TRT#: 2

SEX: Female

DAY ON TEST: 148

DOSE: 25 PPM

DISP: Dosing Accident

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Bone Marrow
Brain	Esophagus	Gallbladder	Heart
Intestine Large - Colon	Intestine Small - Duodenum	Islets, Pancreatic	Liver
Mammary Gland	Ovary	Pancreas	Salivary Glands
Skin	Spleen	Stomach - Forestomach	Stomach - Glandular
Thymus	Uterus		

MISSING

Intestine Large - Cecum	Intestine Large - Rectum	Intestine Small - Ileum	Intestine Small - Jejunum
Larynx	Lymph Node - Mesenteric	Parathyroid Gland	Pituitary Gland
Thyroid Gland	Urinary Bladder		

OBSERVATIONS

Adrenal Gland	Capsule	Hyperplasia	Multifocal, Mild
Kidney	Cortex	Regeneration	Multifocal, Minimal
Lung		Edema	Marked
Note: EDEMA TGLs = 1-4,			
Lymph Node	Bronchial	Hyperplasia	Lymphoid, Moderate
	Mandibular	Hyperplasia	Lymphoid, Moderate
Nose	Lumen	Crystals	Moderate
	Respirat Epith	Hyperplasia	Marked
	Mucosa	Inflammation	Chronic Active, Moderate
Note: CRYSTALLIZED MUCOPROTEIN(?) SECRETION IN LUMINA			
Note: MARKED RETENTION OF SECRETION IN RESP. EPITHELIUM			
Trachea		Edema	Moderate
Note: EDEMA MAY BE PM			

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05070-02
Test Type: CHRONIC
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Vinyl toluene
CAS Number: 25013-15-4

Date Report Requested: 10/23/2014
Time Report Requested: 13:42:44
First Dose M/F: NA / NA
Lab: MIDWEST

ANIMAL ID: 38	TRT#: 3 DOSE: 10 PPM	SEX: Female DISP: Terminal Sacrifice	DAY ON TEST: 733 HISTO:
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ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Skin

OBSERVATIONS

Lung		Alveolar/Bronchiolar Adenoma	
	Alveolar Epith	Hyperplasia	Focal, Mild
Nose	Respirat Epith	Hyperplasia	Moderate
	Mucosa	Inflammation	Chronic Active, Moderate
Uterus		Hyperplasia	Cystic, Mild

Note: HYPERPLASIA TGLs = 3-3

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05070-02

Test Type: CHRONIC

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Vinyl toluene

CAS Number: 25013-15-4

Date Report Requested: 10/23/2014

Time Report Requested: 13:42:44

First Dose M/F: NA / NA

Lab: MIDWEST

ANIMAL ID: 39

TRT#: 1

SEX: Female

DAY ON TEST: 733

DOSE: CONTROL

DISP: Terminal Sacrifice

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - 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	Liver	Lung	Lymph Node - Mesenteric
Mammary Gland	Skin	Spleen	Stomach - Forestomach
Stomach - Glandular	Thymus	Thyroid Gland	Trachea

MISSING

Gallbladder	Larynx	Parathyroid Gland
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OBSERVATIONS

Adrenal Gland	Capsule	Hyperplasia	Diffuse, Moderate
	Cortex	Hyperplasia	Focal, Moderate
Kidney		Infiltration Cellular	Lymphocyte, Multifocal, Mild
Lymph Node		Hyperplasia	Lymphoid, Moderate
Nose	Respirat Epith	Hyperplasia	Minimal
Ovary		Cyst	
Note: CYST TGLs = 1-8,			
Pancreas	Acinus	Atrophy	Marked
		Infiltration Cellular	Mixed Cell, Multifocal, Moderate
Pituitary Gland	Pars Distalis	Angiectasis	Focal, Moderate
Salivary Glands		Infiltration Cellular	Lymphocyte, Multifocal, Mild
Urinary Bladder		Infiltration Cellular	Lymphocyte, Focal, Minimal
Uterus		Hyperplasia	Cystic, Moderate
Note: HYPERPLASIA TGLs = 2-8,			

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05070-02

Test Type: CHRONIC

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Vinyl toluene

CAS Number: 25013-15-4

Date Report Requested: 10/23/2014

Time Report Requested: 13:42:44

First Dose M/F: NA / NA

Lab: MIDWEST

ANIMAL ID: 39

TRT#: 2

SEX: Female

DAY ON TEST: 148

DOSE: 25 PPM

DISP: Dosing Accident

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex
Brain
Intestine Large - Cecum
Liver
Ovary
Skin
Trachea

Adrenal Gland - Medulla
Esophagus
Intestine Large - Colon
Lung
Pancreas
Spleen
Uterus

Bone
Gallbladder
Islets, Pancreatic
Lymph Node - Mandibular
Pituitary Gland
Stomach - Forestomach

Bone Marrow
Heart
Kidney
Mammary Gland
Salivary Glands
Thymus

MISSING

Intestine Large - Rectum
Larynx
Thyroid Gland

Intestine Small - Duodenum
Lymph Node - Mesenteric
Urinary Bladder

Intestine Small - Ileum
Parathyroid Gland

Intestine Small - Jejunum
Stomach - Glandular

OBSERVATIONS

Adrenal Gland
Nose

Capsule
Lumen
Respirat Epith
Mucosa

Hyperplasia
Crystals
Hyperplasia
Inflammation

Multifocal, Mild
Moderate
Marked
Chronic Active, Mild

Note: CRYSTALLIZED MUCOPROTEIN(?) SECRETION IN LUMINA

Note: MARKED RETENTION OF SECRETION IN RESP. EPITHELIUM

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05070-02
Test Type: CHRONIC
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Vinyl toluene
CAS Number: 25013-15-4

Date Report Requested: 10/23/2014
Time Report Requested: 13:42:44
First Dose M/F: NA / NA
Lab: MIDWEST

ANIMAL ID: 39	TRT#: 3 DOSE: 10 PPM	SEX: Female DISP: Moribund Sacrifice	DAY ON TEST: 714 HISTO:
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ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex

Adrenal Gland - Medulla

Lung

OBSERVATIONS

Adrenal Gland

Capsule

Hyperplasia

Diffuse, Marked

Extra Adr Tiss

Lymphoma Malignant Undifferentiated Cell Type

Note: LYMPH MAL UNDF TGLs = 4-3

Lymph Node

Mesenteric

Lymphoma Malignant Undifferentiated Cell Type

Note: LYMPH MAL TGLs = 3-3

Nose

Respirat Epith

Hyperplasia

Marked

Mucosa

Inflammation

Chronic Active, Mild

Spleen

Hematopoietic Cell Proliferation

Marked

Note: LYMPH MAL TGLs = 2-3

Note: HEMA CELL PROL TGLs = 2-3

Lymphoma Malignant Undifferentiated Cell Type

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05070-02

Test Type: CHRONIC

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Vinyl toluene

CAS Number: 25013-15-4

Date Report Requested: 10/23/2014

Time Report Requested: 13:42:44

First Dose M/F: NA / NA

Lab: MIDWEST

ANIMAL ID: 40

TRT#: 1

SEX: Female

DAY ON TEST: 733

DOSE: CONTROL

DISP: Terminal Sacrifice

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex
Esophagus
Intestine Large - Rectum
Islets, Pancreatic
Ovary
Stomach - Forestomach
Trachea

Adrenal Gland - Medulla
Heart
Intestine Small - Duodenum
Lymph Node - Mesenteric
Parathyroid Gland
Stomach - Glandular

Bone
Intestine Large - Cecum
Intestine Small - Ileum
Mammary Gland
Skin
Thymus

Bone Marrow
Intestine Large - Colon
Intestine Small - Jejunum
Nose
Spleen
Thyroid Gland

MISSING

Larynx

OBSERVATIONS

Adrenal Gland

Capsule

Accessory Adrenal Cortical Nodule
Hyperplasia

Multifocal, Moderate

Note: 1991 CONVERSION DISCREPANCY. ORIGINAL DIAGNOSIS SITE NOT SPECIFIED.

Brain
Gallbladder
Kidney
Liver
Lung
Lymph Node
Pancreas
Pituitary Gland
Salivary Glands
Urinary Bladder
Uterus

Mandibular

Pars Distalis

Mineralization
Infiltration Cellular
Infiltration Cellular
Inflammation
Infiltration Cellular
Hyperplasia
Infiltration Cellular
Hyperplasia
Infiltration Cellular
Infiltration Cellular
Hyperplasia

Multifocal, Mild
Lymphocyte, Mild
Lymphocyte, Multifocal, Moderate
Subacute, Multifocal, Minimal
Lymphocyte, Multifocal, Moderate
Plasma Cell, Moderate
Lymphocyte, Multifocal, Moderate
Focal, Moderate
Lymphocyte, Multifocal, Marked
Lymphocyte, Multifocal, Mild
Cystic, Moderate

Note: HYPERPLASIA TGLs = 1-8,

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05070-02

Test Type: CHRONIC

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Vinyl toluene

CAS Number: 25013-15-4

Date Report Requested: 10/23/2014

Time Report Requested: 13:42:44

First Dose M/F: NA / NA

Lab: MIDWEST

ANIMAL ID: 40

TRT#: 2

SEX: Female

DAY ON TEST: 672

DOSE: 25 PPM

DISP: Natural Death

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex
Brain
Intestine Large - Rectum
Pituitary Gland
Thyroid Gland

Adrenal Gland - Medulla
Heart
Intestine Small - Duodenum
Skin

Bone
Intestine Large - Cecum
Intestine Small - Ileum
Stomach - Forestomach

Bone Marrow
Intestine Large - Colon
Intestine Small - Jejunum
Stomach - Glandular

MISSING

Lymph Node - Mesenteric

Parathyroid Gland

AUTO PRECLUDES DIAG.

Gallbladder

OBSERVATIONS

Adrenal Gland

Capsule
Cortex

Hyperplasia
Lymphoma Malignant Lymphocytic

Multifocal, Minimal

Note: 1991 CONVERSION DISCREPANCY. ORIGINAL DIAGNOSIS SITE NOT SPECIFIED

Esophagus
Islets, Pancreatic
Kidney
Larynx
Liver

Lymphoma Malignant Lymphocytic
Atrophy
Lymphoma Malignant Lymphocytic
Lymphoma Malignant Lymphocytic
Fatty Change
Lymphoma Malignant Lymphocytic

Multifocal, Marked

Diffuse, Mild

Note: LYMPH MAL LYMP TGLs = 5-5,

Lung

Alveolus, Bronchiole

Inflammation
Lymphoma Malignant Lymphocytic

Chronic Active, Focal, Minimal

Lymph Node

Mandibular
Mediastinal

Lymphoma Malignant Lymphocytic
Lymphoma Malignant Lymphocytic
Lymphoma Malignant Lymphocytic

Mammary Gland

Nose

Respirat Epith
Mucosa

Hyperplasia
Inflammation

Marked
Chronic Active, Mild

Ovary

Pancreas

Acinus

Lymphoma Malignant Lymphocytic
Atrophy
Lymphoma Malignant Lymphocytic

Marked

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05070-02
Test Type: CHRONIC
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Vinyl toluene
CAS Number: 25013-15-4

Date Report Requested: 10/23/2014
Time Report Requested: 13:42:44
First Dose M/F: NA / NA
Lab: MIDWEST

ANIMAL ID: 40	TRT#: 2 DOSE: 25 PPM	SEX: Female DISP: Natural Death	DAY ON TEST: 672 HISTO:
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ORGAN AND ACCOUNTABLE SITE STATUS

Note: LYMPH MAL LYMP TGLs = 4-3, Salivary Glands	Lymphoma Malignant Lymphocytic	
Spleen	Lymphoma Malignant Lymphocytic	
Note: LYMPH MAL LYMP TGLs = 3-5, Thymus	Depletion Lymphoid	Moderate
Trachea	Lymphoma Malignant Lymphocytic	
Urinary Bladder	Lymphoma Malignant Lymphocytic	
Uterus	Hyperplasia	Cystic, Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05070-02
Test Type: CHRONIC
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Vinyl toluene
CAS Number: 25013-15-4

Date Report Requested: 10/23/2014
Time Report Requested: 13:42:44
First Dose M/F: NA / NA
Lab: MIDWEST

ANIMAL ID: 40	TRT#: 3 DOSE: 10 PPM	SEX: Female DISP: Terminal Sacrifice	DAY ON TEST: 733 HISTO:
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ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Lung	Pancreas
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OBSERVATIONS

Bone Note: BONES OF SKULL		Fibrous Osteodystrophy	Moderate
Gallbladder Note: DILATATION TGLs = 2-4		Dilatation	Marked
Islets, Pancreatic Note: CARCINOMA TGLs = 1-3		Carcinoma	
Liver Note: ANGIECTASIS TGLs = 3-4	Bile Duct Portal	Angiectasis Hyperplasia Inflammation	Focal, Moderate Multifocal, Marked Chronic, Mild
Nose	Respirat Epith Mucosa	Hyperplasia Inflammation	Marked Chronic Active, Moderate
Uterus Note: HYPERPLASIA TGLs = 5-2		Hyperplasia	Cystic, Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05070-02

Test Type: CHRONIC

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Vinyl toluene

CAS Number: 25013-15-4

Date Report Requested: 10/23/2014

Time Report Requested: 13:42:44

First Dose M/F: NA / NA

Lab: MIDWEST

ANIMAL ID: 41

TRT#: 1

SEX: Female

DAY ON TEST: 732

DOSE: CONTROL

DISP: Terminal Sacrifice

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - 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	Larynx
Lung	Lymph Node - Mandibular	Lymph Node - Mesenteric	Mammary Gland
Nose	Pancreas	Skin	Spleen
Stomach - Forestomach	Stomach - Glandular	Thymus	Thyroid Gland
Trachea	Urinary Bladder	Uterus	

MISSING

Parathyroid Gland

OBSERVATIONS

Adrenal Gland	Capsule	Hyperplasia	Multifocal, Moderate
Kidney		Infiltration Cellular	Lymphocyte, Multifocal, Mild
Liver		Hepatocellular Carcinoma	
		Vacuolization Cytoplasmic	Diffuse, Mild
Note: HEPATOCLR CARC TGLs = 1-5,			
Ovary		Cyst	Moderate
Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 2-1,]			
Salivary Glands		Infiltration Cellular	Lymphocyte, Multifocal, Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05070-02

Test Type: CHRONIC

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Vinyl toluene

CAS Number: 25013-15-4

Date Report Requested: 10/23/2014

Time Report Requested: 13:42:44

First Dose M/F: NA / NA

Lab: MIDWEST

ANIMAL ID: 41

TRT#: 2

SEX: Female

DAY ON TEST: 733

DOSE: 25 PPM

DISP: Terminal Sacrifice

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex
Brain
Intestine Large - Colon
Intestine Small - Jejunum
Liver
Ovary
Salivary Glands
Stomach - Glandular

Adrenal Gland - Medulla
Esophagus
Intestine Large - Rectum
Islets, Pancreatic
Lymph Node - Mandibular
Pancreas
Skin
Thymus

Bone
Gallbladder
Intestine Small - Duodenum
Kidney
Lymph Node - Mesenteric
Parathyroid Gland
Spleen
Thyroid Gland

Bone Marrow
Heart
Intestine Small - Ileum
Larynx
Mammary Gland
Pituitary Gland
Stomach - Forestomach
Trachea

OBSERVATIONS

Adrenal Gland
Intestine Large
Lung

Nose

Urinary Bladder
Uterus

Capsule
Cecum, Peyers Patch

Alveolus, Bronchiole
Respirat Epith
Mucosa
Nasolacrim Dct

Hyperplasia
Hyperplasia
Infiltration Cellular
Inflammation
Hyperplasia
Inflammation
Inflammation
Infiltration Cellular
Hyperplasia

Multifocal, Marked
Lymphoid, Marked
Lymphocyte, Multifocal, Mild
Chronic Active, Multifocal, Moderate
Marked
Chronic Active, Mild
Chronic, Moderate
Lymphocyte, Multifocal, Moderate
Cystic, Minimal

Note: HYPERPLASIA TGLs = 3-8,

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05070-02
Test Type: CHRONIC
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Vinyl toluene
CAS Number: 25013-15-4

Date Report Requested: 10/23/2014
Time Report Requested: 13:42:44
First Dose M/F: NA / NA
Lab: MIDWEST

ANIMAL ID: 41

TRT#: 3

SEX: Female

DAY ON TEST: 733

DOSE: 10 PPM

DISP: Terminal Sacrifice

HISTO:

OBSERVATIONS

Bone
Intestine Small
Note: LYMPH MAL MIXD TGLs = 3-3

Peyers Patch

Fibrous Osteodystrophy
Lymphoma Malignant Mixed

Mild

Lung
[Inflammation TGLS = 1-1]

Alveolus, Bronchiole

Inflammation

Chronic Active, Multifocal, Mild

Nose
Spleen
Note: LYMPH MAL MIXD TGLs = 2-3

Respirat Epith
Mucosa

Hyperplasia
Inflammation
Lymphoma Malignant Mixed

Moderate
Chronic Active, Moderate

Uterus
Note: HYPERPLASIA TGLs = 4-3

Hyperplasia

Cystic, Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05070-02

Test Type: CHRONIC

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Vinyl toluene

CAS Number: 25013-15-4

Date Report Requested: 10/23/2014

Time Report Requested: 13:42:44

First Dose M/F: NA / NA

Lab: MIDWEST

ANIMAL ID: 42

TRT#: 1

SEX: Female

DAY ON TEST: 732

DOSE: CONTROL

DISP: Terminal Sacrifice

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Bone	Bone Marrow	Esophagus
Heart	Intestine Large - Cecum	Intestine Large - Colon	Intestine Large - Rectum
Intestine Small - Duodenum	Intestine Small - Ileum	Intestine Small - Jejunum	Larynx
Lymph Node - Mandibular	Lymph Node - Mesenteric	Mammary Gland	Nose
Ovary	Skin	Stomach - Forestomach	Stomach - Glandular
Trachea	Urinary Bladder		

MISSING

Adrenal Gland - Medulla	Gallbladder	Parathyroid Gland
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OBSERVATIONS

Adrenal Gland	Capsule	Hyperplasia	Diffuse, Moderate
Brain		Mineralization	Multifocal, Mild
Islets, Pancreatic		Hyperplasia	Multifocal, Moderate
Kidney		Lymphoma Malignant Lymphocytic	
Lacrimal Gland		Infiltration Cellular	Lymphocyte, Multifocal, Mild
Liver		Inflammation	Subacute, Multifocal, Minimal
Lung		Infiltration Cellular	Lymphocyte, Multifocal, Minimal
Nose			
Note: RETAINED SECRETION IN RESPIRATORY EPITHELIUM			
Pancreas		Infiltration Cellular	Lymphocyte, Multifocal, Mild
Pituitary Gland	Pars Intermed	Adenoma	
	Pars Distalis	Hypertrophy	Focal, Mild
Salivary Glands		Infiltration Cellular	Lymphocyte, Multifocal, Mild
Spleen		Lymphoma Malignant Lymphocytic	
Thymus	Epithel Cell	Hyperplasia	Mild
		Lymphoma Malignant Lymphocytic	
Thyroid Gland	Follicular Cel	Hyperplasia	Multifocal, Minimal
Uterus		Hyperplasia	Cystic, Moderate

Note: HYPERPLASIA TGLs = 3-8,

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05070-02
Test Type: CHRONIC
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Vinyl toluene
CAS Number: 25013-15-4

Date Report Requested: 10/23/2014
Time Report Requested: 13:42:44
First Dose M/F: NA / NA
Lab: MIDWEST

ANIMAL ID: 42	TRT#: 2 DOSE: 25 PPM	SEX: Female DISP: Terminal Sacrifice	DAY ON TEST: 733 HISTO:
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ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone Marrow	Esophagus
Heart	Intestine Large - Cecum	Intestine Large - Colon	Intestine Large - Rectum
Intestine Small - Duodenum	Intestine Small - Ileum	Intestine Small - Jejunum	Islets, Pancreatic
Kidney	Larynx	Liver	Lymph Node - Mandibular
Lymph Node - Mesenteric	Mammary Gland	Ovary	Pancreas
Pituitary Gland	Salivary Glands	Skin	Spleen
Stomach - Forestomach	Stomach - Glandular	Thymus	Trachea
Urinary Bladder			

MISSING

Gallbladder

OBSERVATIONS

Adrenal Gland	Capsule	Hyperplasia	Diffuse, Moderate
Bone		Fibrous Osteodystrophy	Mild
Brain		Mineralization	Multifocal, Minimal
Lung	Alveolus, Bronchiole	Inflammation	Chronic Active, Multifocal, Mild
Nose	Respirat Epith	Hyperplasia	Marked
	Mucosa	Inflammation	Chronic Active, Mild
Parathyroid Gland		Infiltration Cellular	Lymphocyte, Focal, Mild
Thyroid Gland	Follicle	Cyst	Moderate
Uterus		Hyperplasia	Cystic, Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05070-02
Test Type: CHRONIC
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Vinyl toluene
CAS Number: 25013-15-4

Date Report Requested: 10/23/2014
Time Report Requested: 13:42:44
First Dose M/F: NA / NA
Lab: MIDWEST

ANIMAL ID: 42	TRT#: 3 DOSE: 10 PPM	SEX: Female DISP: Terminal Sacrifice	DAY ON TEST: 733 HISTO:
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ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Ovary	Skin
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OBSERVATIONS

Lung		Infiltration Cellular	Histiocyte, Multifocal, Mild
Nose	Respirat Epith	Hyperplasia	Moderate
	Mucosa	Inflammation	Chronic Active, Mild

PRIMARY CAUSE OF DEATH

-

Experiment Number: 05070-02
Test Type: CHRONIC
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Vinyl toluene
CAS Number: 25013-15-4

Date Report Requested: 10/23/2014
Time Report Requested: 13:42:44
First Dose M/F: NA / NA
Lab: MIDWEST

ANIMAL ID: 43 **TRT#:** 1 **SEX:** Female **DAY ON TEST:** 732
DOSE: CONTROL **DISP:** Terminal Sacrifice **HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Bone	Bone Marrow	Esophagus
Gallbladder	Intestine Large - Cecum	Intestine Large - Colon	Intestine Large - Rectum
Intestine Small - Duodenum	Intestine Small - Ileum	Intestine Small - Jejunum	Islets, Pancreatic
Larynx	Lung	Lymph Node - Mesenteric	Nose
Pancreas	Salivary Glands	Skin	Spleen
Stomach - Forestomach	Stomach - Glandular	Thymus	Thyroid Gland
Trachea			

MISSING

Parathyroid Gland

OBSERVATIONS

Adrenal Gland	Capsule	Hyperplasia	Multifocal, Mild
	Medulla	Hyperplasia	Focal, Mild
Brain		Mineralization	Multifocal, Moderate
Heart	Ventricle	Mineralization	Focal, Mild
Note: MINERALIZATION TGLs = 1-6,			
Kidney		Infiltration Cellular	Lymphocyte, Multifocal, Mild
Liver		Infiltration Cellular	Lymphocyte, Multifocal, Minimal
Lymph Node	Mandibular	Hyperplasia	Plasma Cell, Mild
Mammary Gland		Ectasia	Multifocal, Mild
Ovary		Cyst	
		Infiltration Cellular	Lymphocyte, Mild
Note: CYST TGLs = 2-8,			
Pituitary Gland	Pars Distalis	Adenoma	
Note: ADENOMA TGLs = 5-1,			
Urinary Bladder		Infiltration Cellular	Lymphocyte, Multifocal, Mild
Uterus	Serosa	Cyst	
Note: CYST TGLs = 3-8			

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05070-02

Test Type: CHRONIC

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Vinyl toluene

CAS Number: 25013-15-4

Date Report Requested: 10/23/2014

Time Report Requested: 13:42:44

First Dose M/F: NA / NA

Lab: MIDWEST

ANIMAL ID: 43

TRT#: 2

SEX: Female

DAY ON TEST: 732

DOSE: 25 PPM

DISP: Terminal Sacrifice

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex
Esophagus
Intestine Large - Colon
Intestine Small - Jejunum
Lymph Node - Mandibular
Pancreas
Spleen
Thyroid Gland

Adrenal Gland - Medulla
Gallbladder
Intestine Large - Rectum
Islets, Pancreatic
Lymph Node - Mesenteric
Pituitary Gland
Stomach - Forestomach
Trachea

Bone Marrow
Heart
Intestine Small - Duodenum
Larynx
Mammary Gland
Salivary Glands
Stomach - Glandular
Urinary Bladder

Brain
Intestine Large - Cecum
Intestine Small - Ileum
Liver
Ovary
Skin
Thymus

MISSING

Parathyroid Gland

OBSERVATIONS

Adrenal Gland
Bone
Kidney
Lung
Nose

Uterus

Capsule

Alveolus, Bronchiole
Respirat Epith
Mucosa

Hyperplasia
Fibrous Osteodystrophy
Infiltration Cellular
Inflammation
Hyperplasia
Inflammation
Dilatation

Multifocal, Moderate
Mild
Lymphocyte, Multifocal, Minimal
Chronic Active, Multifocal, Moderate
Marked
Chronic Active, Moderate
Marked

Note: DILATATION TGLs = 2-8,

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05070-02
Test Type: CHRONIC
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Vinyl toluene
CAS Number: 25013-15-4

Date Report Requested: 10/23/2014
Time Report Requested: 13:42:44
First Dose M/F: NA / NA
Lab: MIDWEST

ANIMAL ID: 43	TRT#: 3 DOSE: 10 PPM	SEX: Female DISP: Terminal Sacrifice	DAY ON TEST: 732 HISTO:
OBSERVATIONS			
Bone Note: BONES OF SKULL		Fibrous Osteodystrophy	Mild
Lung Note: INFLAMMATION TGLs = 1-1	Alveolus	Crystals Inflammation	Marked Chronic Active, Multifocal, Moderate
Nose	Respirat Epith Mucosa	Hyperplasia Inflammation Dilatation	Moderate Chronic Active, Mild Marked
Uterus Note: ECTASIA TGLs = 2-3			
<hr/> PRIMARY CAUSE OF DEATH - <hr/>			

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05070-02
Test Type: CHRONIC
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Vinyl toluene
CAS Number: 25013-15-4

Date Report Requested: 10/23/2014
Time Report Requested: 13:42:44
First Dose M/F: NA / NA
Lab: MIDWEST

ANIMAL ID: 44

TRT#: 1

SEX: Female

DAY ON TEST: 732

DOSE: CONTROL

DISP: Terminal Sacrifice

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - 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	Larynx	Lymph Node - Mesenteric
Mammary Gland	Nose	Pancreas	Parathyroid Gland
Pituitary Gland	Skin	Stomach - Forestomach	Stomach - Glandular
Thyroid Gland	Trachea	Uterus	

MISSING

Gallbladder	Ovary
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OBSERVATIONS

Adrenal Gland	Capsule	Hyperplasia	Diffuse, Moderate
Eye		Atrophy	Marked
Note: ATROPHY	TGLs = 3-10,		
Harderian Gland		Adenoma	Papillary
Kidney	Epithelium, Medulla	Karyomegaly	Multifocal, Mild
		Lymphoma Malignant Lymphocytic	
Liver		Lymphoma Malignant Lymphocytic	
Lung		Lymphoma Malignant Lymphocytic	
Lymph Node	Mandibular	Lymphoma Malignant Lymphocytic	
Salivary Glands		Infiltration Cellular	Lymphocyte, Multifocal, Mild
Spleen		Lymphoma Malignant Lymphocytic	
Note: LYMPH MAL LYMP	TGLs = 1-5,		
Thymus		Ectopic Parathyroid Gland	
Urinary Bladder		Lymphoma Malignant Lymphocytic	

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05070-02

Test Type: CHRONIC

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Vinyl toluene

CAS Number: 25013-15-4

Date Report Requested: 10/23/2014

Time Report Requested: 13:42:44

First Dose M/F: NA / NA

Lab: MIDWEST

ANIMAL ID: 44

TRT#: 2

SEX: Female

DAY ON TEST: 732

DOSE: 25 PPM

DISP: Terminal Sacrifice

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Medulla
Gallbladder
Intestine Large - Rectum
Islets, Pancreatic
Lymph Node - Mandibular
Pancreas
Stomach - Forestomach
Trachea

Bone
Heart
Intestine Small - Duodenum
Kidney
Lymph Node - Mesenteric
Parathyroid Gland
Stomach - Glandular
Urinary Bladder

Bone Marrow
Intestine Large - Cecum
Intestine Small - Ileum
Larynx
Mammary Gland
Pituitary Gland
Thymus

Esophagus
Intestine Large - Colon
Intestine Small - Jejunum
Liver
Ovary
Skin
Thyroid Gland

OBSERVATIONS

Adrenal Gland

Capsule
Cortex

Hyperplasia
Hyperplasia
Mineralization

Multifocal, Moderate
Focal, Mild
Multifocal, Minimal

Brain

Lung

Nose

Alveolus, Bronchiole
Respirat Epith
Mucosa

Inflammation
Hyperplasia
Inflammation

Chronic Active, Multifocal, Mild
Marked
Chronic Active, Mild

Salivary Glands

Spleen

Infiltration Cellular
Lymphoma Malignant Histiocytic

Lymphocyte, Multifocal, Mild

Note: LYMPH MAL HIST TGLs = 1+2-5,

Uterus

Hyperplasia

Cystic, Mild

Note: HYPERPLASIA TGLs = 3-8,

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05070-02
Test Type: CHRONIC
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Vinyl toluene
CAS Number: 25013-15-4

Date Report Requested: 10/23/2014
Time Report Requested: 13:42:44
First Dose M/F: NA / NA
Lab: MIDWEST

ANIMAL ID: 44	TRT#: 3 DOSE: 10 PPM	SEX: Female DISP: Terminal Sacrifice	DAY ON TEST: 732 HISTO:
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ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Lung	Skin
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OBSERVATIONS

Nose	Respirat Epith Mucosa	Hyperplasia Inflammation Hyperplasia	Moderate Chronic Active, Mild Cystic, Mild
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Uterus
Note: HYPERPLASIA TGLs = 1-3

PRIMARY CAUSE OF DEATH

Experiment Number: 05070-02

Test Type: CHRONIC

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Vinyl toluene

CAS Number: 25013-15-4

Date Report Requested: 10/23/2014

Time Report Requested: 13:42:44

First Dose M/F: NA / NA

Lab: MIDWEST

ANIMAL ID: 45

TRT#: 1

SEX: Female

DAY ON TEST: 672

DOSE: CONTROL

DISP: Moribund Sacrifice

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex
Gallbladder
Intestine Large - Rectum
Islets, Pancreatic
Parathyroid Gland
Thyroid Gland

Adrenal Gland - Medulla
Heart
Intestine Small - Duodenum
Lymph Node - Mandibular
Pituitary Gland
Trachea

Bone
Intestine Large - Cecum
Intestine Small - Ileum
Nose
Stomach - Forestomach
Urinary Bladder

Esophagus
Intestine Large - Colon
Intestine Small - Jejunum
Pancreas
Stomach - Glandular

MISSING

Lymph Node - Mesenteric

OBSERVATIONS

Adrenal Gland

Cortex
Capsule
Cortex

Accessory Adrenal Cortical Nodule
Hyperplasia
Lymphoma Malignant Histiocytic

Multifocal, Moderate

Note: 1991 CONVERSION DISCREPANCY. ORIGINAL DIAGNOSIS SITE NOT SPECIFIED.

Note: 1991 CONVERSION DISCREPANCY. ORIGINAL DIAGNOSIS SITE NOT SPECIFIED.

Bone Marrow

Myeloid Cell

Hyperplasia

Mild

Brain

Mineralization

Multifocal, Mild

Kidney

Lymphoma Malignant Histiocytic

Note: LYMPH MAL HIST TGLs = 10-6,

Larynx

Inflammation

Chronic Active, Moderate

Liver

Lymphoma Malignant Histiocytic

Necrosis

Multifocal, Marked

Note: LYMPH MAL HIST TGLs = 7+8-5,

Note: NECROSIS TGLs = 7+8-5,

Lung

Lymphoma Malignant Histiocytic

Mammary Gland

Inflammation

Chronic Active, Diffuse, Mild

Mesentery

Lymphoma Malignant Histiocytic

Note: LYMPH MAL HIST TGLs = 6-3,

Ovary

Lymphoma Malignant Histiocytic

Salivary Glands

Infiltration Cellular

Lymphocyte, Multifocal, Minimal

Skin

Subcut Tiss

Edema

Mild

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05070-02
Test Type: CHRONIC
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Vinyl toluene
CAS Number: 25013-15-4

Date Report Requested: 10/23/2014
Time Report Requested: 13:42:44
First Dose M/F: NA / NA
Lab: MIDWEST

ANIMAL ID: 45

TRT#: 1

SEX: Female

DAY ON TEST: 672

DOSE: CONTROL

DISP: Moribund Sacrifice

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

Note: EDEMA TGLs = 5-7,

Spleen

Thymus

Uterus

Hyperplasia

Lymphoma Malignant Histiocytic

Lymphoma Malignant Histiocytic

Lymphoid, Moderate

Note: LYMPH MAL HIST TGLs = 9-10,

PRIMARY CAUSE OF DEATH

-

Experiment Number: 05070-02

Test Type: CHRONIC

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Vinyl toluene

CAS Number: 25013-15-4

Date Report Requested: 10/23/2014

Time Report Requested: 13:42:44

First Dose M/F: NA / NA

Lab: MIDWEST

ANIMAL ID: 45

TRT#: 2

SEX: Female

DAY ON TEST: 732

DOSE: 25 PPM

DISP: Terminal Sacrifice

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - 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
Larynx	Liver	Lymph Node - Mandibular	Lymph Node - Mesenteric
Mammary Gland	Ovary	Pancreas	Parathyroid Gland
Pituitary Gland	Skin	Spleen	Stomach - Forestomach
Stomach - Glandular	Thymus	Thyroid Gland	Trachea

OBSERVATIONS

Adrenal Gland	Capsule	Hyperplasia	Multifocal, Moderate
Lung	Alveolus, Bronchiole	Inflammation	Chronic Active, Multifocal, Minimal
Nose	Respirat Epith	Hyperplasia	Marked
	Mucosa	Inflammation	Chronic Active, Moderate
Salivary Glands		Infiltration Cellular	Lymphocyte, Multifocal, Mild
Urinary Bladder		Infiltration Cellular	Lymphocyte, Focal, Mild
Uterus		Dilatation	Marked
		Hyperplasia	Cystic, Mild

Note: DILATATION TGLs = 1-8

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05070-02
Test Type: CHRONIC
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Vinyl toluene
CAS Number: 25013-15-4

Date Report Requested: 10/23/2014
Time Report Requested: 13:42:44
First Dose M/F: NA / NA
Lab: MIDWEST

ANIMAL ID: 45

TRT#: 3

SEX: Female

DAY ON TEST: 731

DOSE: 10 PPM

DISP: Terminal Sacrifice

HISTO:

OBSERVATIONS

Bone

Fibrous Osteodystrophy

Mild

Note: OSTEODYSTROPHY AFFECTS CRANIAL BONE

Intestine Small

Peyers Patch

Hyperplasia

Lymphoid, Marked

Note: HYPERPLASIA TGLs = 2-3

Lung

Infiltration Cellular

Lymphocyte, Multifocal, Minimal

Lymph Node

Mesenteric

Hematopoietic Cell Proliferation

Mild

Mesenteric

Hemorrhage

Mild

Note: HEMORRHAGE TGLs = 1-3

Nose

Respirat Epith

Hyperplasia

Marked

Mucosa

Inflammation

Chronic Active, Mild

Uterus

Hyperplasia

Cystic, Mild

Note: HYPERPLASIA TGLs = 3-3

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05070-02

Test Type: CHRONIC

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Vinyl toluene

CAS Number: 25013-15-4

Date Report Requested: 10/23/2014

Time Report Requested: 13:42:44

First Dose M/F: NA / NA

Lab: MIDWEST

ANIMAL ID: 46

TRT#: 1

DOSE: CONTROL

SEX: Female

DISP: Natural Death

DAY ON TEST: 700

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Medulla
Intestine Large - Cecum
Intestine Small - Ileum
Parathyroid Gland
Stomach - Glandular

Bone
Intestine Large - Colon
Intestine Small - Jejunum
Salivary Glands
Trachea

Esophagus
Intestine Large - Rectum
Larynx
Skin
Urinary Bladder

Heart
Intestine Small - Duodenum
Nose
Stomach - Forestomach

MISSING

Gallbladder

OBSERVATIONS

Adrenal Gland

Capsule
Cortex
Cortex

Hyperplasia
Hypertrophy
Lymphoma Malignant Undifferentiated Cell Type

Multifocal, Mild
Focal, Mild

Note: 1991 CONVERSION DISCREPANCY. ORIGINAL DIAGNOSIS SITE NOT SPECIFIED.

Bone Marrow

Brain

Islets, Pancreatic

Kidney

Note: LYMPH MAL UNDF TGLs = 9-6,

Lacrimal Gland

Liver

Note: LYMPH MAL UNDF TGLs = 6-5+5.1,

Lung

Lymph Node

Bronchial
Inguinal
Mandibular
Mesenteric

Lymphoma Malignant Undifferentiated Cell Type
Mineralization
Lymphoma Malignant Undifferentiated Cell Type
Lymphoma Malignant Undifferentiated Cell Type

Multifocal, Minimal

Infiltration Cellular
Lymphoma Malignant Undifferentiated Cell Type

Lymphocyte, Multifocal, Mild

Lymphoma Malignant Undifferentiated Cell Type
Lymphoma Malignant Undifferentiated Cell Type
Lymphoma Malignant Undifferentiated Cell Type
Lymphoma Malignant Undifferentiated Cell Type
Lymphoma Malignant Undifferentiated Cell Type

Note: LYMPH MAL UNDF TGLs = 4+5-10,

Mammary Gland

Mesentery

Ovary

Pancreas

Lymphoma Malignant Undifferentiated Cell Type
Lymphoma Malignant Undifferentiated Cell Type
Lymphoma Malignant Undifferentiated Cell Type
Lymphoma Malignant Undifferentiated Cell Type

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05070-02
Test Type: CHRONIC
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Vinyl toluene
CAS Number: 25013-15-4

Date Report Requested: 10/23/2014
Time Report Requested: 13:42:44
First Dose M/F: NA / NA
Lab: MIDWEST

ANIMAL ID: 46	TRT#: 1 DOSE: CONTROL	SEX: Female DISP: Natural Death	DAY ON TEST: 700 HISTO:
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ORGAN AND ACCOUNTABLE SITE STATUS			
Pituitary Gland	Pars Distalis	Adenoma	
Spleen		Infarct	Marked
		Lymphoma Malignant Undifferentiated Cell Type	
Note: INFARCT	TGLs = 3-5+5.1,		
Note: LYMPH MAL UNDF	TGLs = 2-5+5.1,		
Thymus		Lymphoma Malignant Undifferentiated Cell Type	
Thyroid Gland	Follicle	Cyst	Mild
Uterus		Hyperplasia	Cystic, Mild
		Lymphoma Malignant Undifferentiated Cell Type	
Note: LYMPH MAL UNDF	TGLs = 7-8,		

PRIMARY CAUSE OF DEATH	-
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* PROTOCOL REQUIRED TISSUE

Experiment Number: 05070-02

Test Type: CHRONIC

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Vinyl toluene

CAS Number: 25013-15-4

Date Report Requested: 10/23/2014

Time Report Requested: 13:42:44

First Dose M/F: NA / NA

Lab: MIDWEST

ANIMAL ID: 46

TRT#: 2

SEX: Female

DAY ON TEST: 735

DOSE: 25 PPM

DISP: Terminal Sacrifice

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex
Esophagus
Intestine Large - Colon
Intestine Small - Jejunum
Liver
Ovary
Stomach - Forestomach
Trachea

Adrenal Gland - Medulla
Gallbladder
Intestine Large - Rectum
Islets, Pancreatic
Lymph Node - Mandibular
Parathyroid Gland
Stomach - Glandular
Urinary Bladder

Bone Marrow
Heart
Intestine Small - Duodenum
Kidney
Lymph Node - Mesenteric
Pituitary Gland
Thymus

Brain
Intestine Large - Cecum
Intestine Small - Ileum
Larynx
Mammary Gland
Skin
Thyroid Gland

OBSERVATIONS

Adrenal Gland

Cortex
Capsule

Accessory Adrenal Cortical Nodule
Hyperplasia

Multifocal, Mild

Note: ADR COR NO NEAR PELVIS OF RIGHT KIDNEY

Note: 1991 CONVERSION DISCREPANCY. ORIGINAL DIAGNOSIS SITE NOT SPECIFIED.

Bone

Fibrous Osteodystrophy

Mild

Lung

Alveolus, Bronchiole

Inflammation

Chronic Active, Multifocal, Minimal

Nose

Respirat Epith

Hyperplasia

Marked

Mucosa

Inflammation

Chronic Active, Moderate

Pancreas

Infiltration Cellular

Lymphocyte, Multifocal, Mild

Salivary Glands

Infiltration Cellular

Lymphocyte, Multifocal, Mild

Spleen

Developmental Malformation

Note: VASCULAR MALFORMATION

Uterus

Dilatation

Marked

Note: DILATATION TGLs = 1-8,

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05070-02
Test Type: CHRONIC
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Vinyl toluene
CAS Number: 25013-15-4

Date Report Requested: 10/23/2014
Time Report Requested: 13:42:44
First Dose M/F: NA / NA
Lab: MIDWEST

ANIMAL ID: 46

TRT#: 3

SEX: Female

DAY ON TEST: 735

DOSE: 10 PPM

DISP: Terminal Sacrifice

HISTO:

OBSERVATIONS

Lung

Infiltration Cellular

Lymphocyte, Multifocal, Mild

Nose

Respirat Epith

Hyperplasia

Marked

Mucosa

Inflammation

Chronic Active, Moderate

Uterus

Sarcoma Stromal

Note: [SARC STROMAL] TGLs = 1-3

PRIMARY CAUSE OF DEATH

-

Experiment Number: 05070-02

Test Type: CHRONIC

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Vinyl toluene

CAS Number: 25013-15-4

Date Report Requested: 10/23/2014

Time Report Requested: 13:42:44

First Dose M/F: NA / NA

Lab: MIDWEST

ANIMAL ID: 47

TRT#: 1

SEX: Female

DAY ON TEST: 735

DOSE: CONTROL

DISP: Terminal Sacrifice

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex
Esophagus
Intestine Large - Rectum
Larynx
Stomach - Forestomach

Adrenal Gland - Medulla
Heart
Intestine Small - Duodenum
Nose
Stomach - Glandular

Bone
Intestine Large - Cecum
Intestine Small - Ileum
Parathyroid Gland
Thymus

Bone Marrow
Intestine Large - Colon
Intestine Small - Jejunum
Skin
Trachea

MISSING

Gallbladder
Lymph Node - Mesenteric

OBSERVATIONS

Adrenal Gland

Capsule

Accessory Adrenal Cortical Nodule
Hyperplasia

Multifocal, Mild

Note: 1991 CONVERSION DISCREPANCY. ORIGINAL DIAGNOSIS SITE NOT SPECIFIED.

Brain

Mineralization

Multifocal, Minimal

Intestine Small

Peyers Patch

Hyperplasia

Lymphoid, Mild

Islets, Pancreatic

Hyperplasia

Multifocal, Mild

Kidney

Infiltration Cellular

Lymphocyte, Multifocal, Minimal

Lacrimal Gland

Infiltration Cellular

Lymphocyte, Multifocal, Moderate

Liver

Eosinophilic Focus

Granuloma

Multifocal, Minimal

Note: EOSIN FOCUS TGLs = 3-5,

Lung

Adenocarcinoma

Metastatic (Mammary Gland)

Note: ADENOCARC TGLs = 2-4,

Lymph Node

Mandibular

Hyperplasia

Lymphoid, Marked

Mammary Gland

Adenocarcinoma

Note: ADENOCARC TGLs = 1-10,

Ovary

Cyst

Periovarn Tiss

Infiltration Cellular

Lymphocyte, Mild

Note: CYST TGLs = 4-8,

Pancreas

Infiltration Cellular

Lymphocyte, Multifocal, Mild

Pharynx

Palate

Ulcer

Chronic, Marked

Pituitary Gland

Pars Distalis

Angiectasis

Focal, Mild

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05070-02

Test Type: CHRONIC

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Vinyl toluene

CAS Number: 25013-15-4

Date Report Requested: 10/23/2014

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First Dose M/F: NA / NA

Lab: MIDWEST

ANIMAL ID: 47

TRT#: 1

SEX: Female

DAY ON TEST: 735

DOSE: CONTROL

DISP: Terminal Sacrifice

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

Note: ANGIECTASIS TGLs = 5-1+1.1,

Salivary Glands

Spleen

Thyroid Gland

Urinary Bladder

Uterus

Infiltration Cellular

Pigmentation

Inflammation

Infiltration Cellular

Hyperplasia

Lymphocyte, Multifocal, Mild

Hemosiderin, Mild

Chronic Active, Focal, Minimal

Lymphocyte, Focal, Mild

Cystic, Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05070-02
Test Type: CHRONIC
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Vinyl toluene
CAS Number: 25013-15-4

Date Report Requested: 10/23/2014
Time Report Requested: 13:42:44
First Dose M/F: NA / NA
Lab: MIDWEST

ANIMAL ID: 47

TRT#: 2

SEX: Female

DAY ON TEST: 735

DOSE: 25 PPM

DISP: Terminal Sacrifice

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - 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	Larynx
Liver	Lymph Node - Mandibular	Lymph Node - Mesenteric	Mammary Gland
Ovary	Pancreas	Parathyroid Gland	Pituitary Gland
Skin	Spleen	Stomach - Forestomach	Stomach - Glandular
Thyroid Gland	Trachea	Urinary Bladder	

OBSERVATIONS

Adrenal Gland	Capsule	Hyperplasia	Diffuse, Moderate
Brain		Mineralization	Multifocal, Minimal
Lung	Alveolus, Bronchiole	Inflammation	Chronic Active, Multifocal, Moderate
Note: INFLAMMATION TGLs = 1-4,			
Nose	Respirat Epith Mucosa	Hyperplasia Inflammation	Marked Chronic Active, Moderate
Salivary Glands		Infiltration Cellular	Lymphocyte, Multifocal, Minimal
Thymus		Ectopic Parathyroid Gland	
Uterus		Dilatation	Marked
Note: DILATATION TGLs = 2-8			

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05070-02
Test Type: CHRONIC
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Vinyl toluene
CAS Number: 25013-15-4

Date Report Requested: 10/23/2014
Time Report Requested: 13:42:44
First Dose M/F: NA / NA
Lab: MIDWEST

ANIMAL ID: 47

TRT#: 3

SEX: Female

DAY ON TEST: 735

DOSE: 10 PPM

DISP: Terminal Sacrifice

HISTO:

OBSERVATIONS

Bone

Fibrous Osteodystrophy

Moderate

Note: OSTEODYSTROPHY AFFECTS CRANIAL BONE.

Lung

Infiltration Cellular

Histiocyte, Multifocal, Minimal

Nose

Respirat Epith

Hyperplasia

Marked

Mucosa

Inflammation

Chronic Active, Moderate

Uterus

Hyperplasia

Cystic, Mild

Note: HYPERPLASIA TGLs = 1-3

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05070-02

Test Type: CHRONIC

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Vinyl toluene

CAS Number: 25013-15-4

Date Report Requested: 10/23/2014

Time Report Requested: 13:42:44

First Dose M/F: NA / NA

Lab: MIDWEST

ANIMAL ID: 48

TRT#: 1

SEX: Female

DAY ON TEST: 574

DOSE: CONTROL

DISP: Moribund Sacrifice

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex
Esophagus
Intestine Large - Colon
Intestine Small - Jejunum
Lymph Node - Mandibular
Ovary
Skin
Trachea

Adrenal Gland - Medulla
Gallbladder
Intestine Large - Rectum
Larynx
Lymph Node - Mesenteric
Pancreas
Stomach - Forestomach

Bone
Heart
Intestine Small - Duodenum
Liver
Mammary Gland
Parathyroid Gland
Stomach - Glandular

Bone Marrow
Intestine Large - Cecum
Intestine Small - Ileum
Lung
Nose
Pituitary Gland
Thyroid Gland

MISSING

Urinary Bladder

OBSERVATIONS

Adrenal Gland
Brain
Islets, Pancreatic
Kidney
Salivary Glands
Spleen

Capsule

Hyperplasia
Mineralization
Hyperplasia
Infiltration Cellular
Infiltration Cellular
Hematopoietic Cell Proliferation

Multifocal, Mild
Multifocal, Moderate
Multifocal, Mild
Lymphocyte, Multifocal, Mild
Lymphocyte, Multifocal, Mild
Marked

Note: HEMA CELL PROL TGLs = 4-5,

Thymus

Ectopic Parathyroid Gland

Uterus

Hyperplasia

Cystic, Mild

Note: HYPERPLASIA TGLs = 5-8+7.1,

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05070-02

Test Type: CHRONIC

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Vinyl toluene

CAS Number: 25013-15-4

Date Report Requested: 10/23/2014

Time Report Requested: 13:42:44

First Dose M/F: NA / NA

Lab: MIDWEST

ANIMAL ID: 48

TRT#: 2

SEX: Female

DAY ON TEST: 735

DOSE: 25 PPM

DISP: Terminal Sacrifice

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex
Gallbladder
Intestine Large - Rectum
Islets, Pancreatic
Skin
Thymus

Adrenal Gland - Medulla
Heart
Intestine Small - Duodenum
Larynx
Spleen
Trachea

Bone Marrow
Intestine Large - Cecum
Intestine Small - Ileum
Lymph Node - Mandibular
Stomach - Forestomach

Esophagus
Intestine Large - Colon
Intestine Small - Jejunum
Mammary Gland
Stomach - Glandular

MISSING

Lymph Node - Mesenteric

Parathyroid Gland

Thyroid Gland

OBSERVATIONS

Adrenal Gland
Bone
Brain
Kidney
Lacrimal Gland
Liver
Lung
Note: INFLAMMATION TGLs = 5-4,
Nose
Ovary

Capsule

Alveolus, Bronchiole
Respirat Epith
Mucosa

Hyperplasia
Fibrous Osteodystrophy
Mineralization
Infiltration Cellular
Infiltration Cellular
Infiltration Cellular
Inflammation

Hyperplasia
Inflammation
Cyst
Hyperplasia

Diffuse, Mild
Mild
Multifocal, Minimal
Lymphocyte, Multifocal, Minimal
Lymphocyte, Multifocal, Mild
Lymphocyte, Multifocal, Minimal
Chronic Active, Multifocal, Moderate

Marked
Chronic Active, Mild

Diffuse, Moderate

Note: "HYPERPLASIA" IS OF LUTEINIZED STROMAL CELLS

Note: CYST TGLs = 4-8,

Pancreas
Pituitary Gland
Salivary Glands
Urinary Bladder
Uterus

Pars Distalis

Infiltration Cellular
Adenoma
Infiltration Cellular
Infiltration Cellular
Hyperplasia

Lymphocyte, Multifocal, Mild

Lymphocyte, Multifocal, Mild
Lymphocyte, Multifocal, Mild
Cystic, Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05070-02
Test Type: CHRONIC
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Vinyl toluene
CAS Number: 25013-15-4

Date Report Requested: 10/23/2014
Time Report Requested: 13:42:44
First Dose M/F: NA / NA
Lab: MIDWEST

ANIMAL ID: 48

TRT#: 3
DOSE: 10 PPM

SEX: Female
DISP: Terminal Sacrifice

DAY ON TEST: 735
HISTO:

OBSERVATIONS

Lung
Nose

Uterus
Note: HYPERPLASIA TGLs = 1-1

Bronchiole
Respirat Epith
Mucosa

Hyperplasia
Hyperplasia
Inflammation
Hyperplasia

Focal, Mild
Moderate
Chronic Active, Mild
Cystic, Minimal

PRIMARY CAUSE OF DEATH

-

Experiment Number: 05070-02

Test Type: CHRONIC

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Vinyl toluene

CAS Number: 25013-15-4

Date Report Requested: 10/23/2014

Time Report Requested: 13:42:44

First Dose M/F: NA / NA

Lab: MIDWEST

ANIMAL ID: 49

TRT#: 1

SEX: Female

DAY ON TEST: 734

DOSE: CONTROL

DISP: Terminal Sacrifice

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex
Gallbladder
Intestine Large - Rectum
Kidney
Ovary
Stomach - Forestomach
Trachea

Adrenal Gland - Medulla
Heart
Intestine Small - Duodenum
Larynx
Pancreas
Stomach - Glandular

Bone Marrow
Intestine Large - Cecum
Intestine Small - Ileum
Lymph Node - Mandibular
Skin
Thymus

Esophagus
Intestine Large - Colon
Intestine Small - Jejunum
Nose
Spleen
Thyroid Gland

MISSING

Lymph Node - Mesenteric

Parathyroid Gland

OBSERVATIONS

Adrenal Gland
Bone
Brain
Islets, Pancreatic
Lacrimal Gland
Liver

Capsule

Hyperplasia
Fibrous Osteodystrophy
Mineralization
Hyperplasia
Infiltration Cellular
Hepatocellular Adenoma
Hepatodiaphragmatic Nodule

Diffuse, Moderate
Mild
Multifocal, Mild
Multifocal, Mild
Mixed Cell, Multifocal, Mild

Note: HEPATOCLR ADEN TGLs = 1-5,

Note: ANOM HEPAT LOB TGLs = 1-5

Lung
Mammary Gland
Pituitary Gland
Salivary Glands
Urinary Bladder
Uterus

Pars Distalis

Alveolar/Bronchiolar Adenoma
Hyperplasia
Adenoma
Infiltration Cellular
Infiltration Cellular
Hyperplasia

Diffuse, Moderate
Lymphocyte, Multifocal, Moderate
Lymphocyte, Multifocal, Mild
Cystic, Minimal

Note: ADENOMA TGLs = 2-1,

Note: HYPERPLASIA TGLs = 3-8,

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05070-02

Test Type: CHRONIC

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Vinyl toluene

CAS Number: 25013-15-4

Date Report Requested: 10/23/2014

Time Report Requested: 13:42:44

First Dose M/F: NA / NA

Lab: MIDWEST

ANIMAL ID: 49

TRT#: 2

SEX: Female

DAY ON TEST: 735

DOSE: 25 PPM

DISP: Terminal Sacrifice

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - 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	Kidney	Larynx	Liver
Lymph Node - Mandibular	Lymph Node - Mesenteric	Mammary Gland	Pancreas
Parathyroid Gland	Pituitary Gland	Skin	Spleen
Stomach - Forestomach	Stomach - Glandular	Thyroid Gland	Trachea

OBSERVATIONS

Adrenal Gland	Capsule	Hyperplasia	Multifocal, Moderate
	Cortex	Hypertrophy	Focal, Mild
Islets, Pancreatic		Hyperplasia	Multifocal, Minimal
Lung	Alveolus, Bronchiole	Inflammation	Chronic Active, Multifocal, Mild
Note: INFLAMMATION TGLs = 2-4,			
Lymph Node	Mediastinal	Hyperplasia	Lymphoid, Moderate
Nose	Respirat Epith	Hyperplasia	Marked
	Mucosa	Inflammation	Chronic Active, Minimal
Ovary		Cyst	
Note: CYST TGLs = 3-8,			
Salivary Glands		Infiltration Cellular	Lymphocyte, Multifocal, Marked
Thymus		Ectopic Parathyroid Gland	
		Hyperplasia	Lymphoid, Moderate
Urinary Bladder		Infiltration Cellular	Lymphocyte, Focal, Mild
Uterus		Dilatation	Marked
		Hyperplasia	Cystic, Moderate
Note: DILATATION TGLs = 4-8			

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05070-02

Test Type: CHRONIC

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Vinyl toluene

CAS Number: 25013-15-4

Date Report Requested: 10/23/2014

Time Report Requested: 13:42:44

First Dose M/F: NA / NA

Lab: MIDWEST

ANIMAL ID: 49

TRT#: 3

SEX: Female

DAY ON TEST: 459

DOSE: 10 PPM

DISP: Natural Death

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex

Adrenal Gland - Medulla

Bone

Bone Marrow

Gallbladder

Heart

Intestine Large - Cecum

Intestine Large - Colon

Intestine Small - Duodenum

Intestine Small - Ileum

Islets, Pancreatic

Kidney

Liver

Lung

Lymph Node - Mandibular

Ovary

Pancreas

Pituitary Gland

Salivary Glands

Skin

Spleen

Stomach - Forestomach

Stomach - Glandular

Thymus

Thyroid Gland

Trachea

Urinary Bladder

Uterus

MISSING

Esophagus

Intestine Large - Rectum

Larynx

Lymph Node - Mesenteric

Mammary Gland

Parathyroid Gland

AUTO PRECLUDES DIAG.

Intestine Small - Jejunum

OBSERVATIONS

Adrenal Gland

Capsule

Hyperplasia

Multifocal, Minimal

Brain

Mineralization

Multifocal, Minimal

Nose

Exudate

Moderate

Respirat Epith

Hyperplasia

Moderate

Mucosa

Inflammation

Chronic Active, Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05070-02

Test Type: CHRONIC

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Vinyl toluene

CAS Number: 25013-15-4

Date Report Requested: 10/23/2014

Time Report Requested: 13:42:44

First Dose M/F: NA / NA

Lab: MIDWEST

ANIMAL ID: 50

TRT#: 1

SEX: Female

DAY ON TEST: 734

DOSE: CONTROL

DISP: Terminal Sacrifice

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Bone	Bone Marrow	Brain	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	Mammary Gland
Nose	Ovary	Pancreas	Parathyroid Gland
Pituitary Gland	Skin	Spleen	Stomach - Forestomach
Stomach - Glandular	Thymus	Thyroid Gland	Trachea
Urinary Bladder			

MISSING

Adrenal Gland

OBSERVATIONS

Intestine Small Note: HYPERPLASIA TGLs = 1-3,	Peyers Patch	Hyperplasia	Lymphoid, Marked
Kidney		Infiltration Cellular	Lymphocyte, Multifocal, Minimal
Larynx		Inflammation	Chronic, Mild
Liver		Infiltration Cellular	Lymphocyte, Multifocal, Minimal
Salivary Glands		Infiltration Cellular	Lymphocyte, Multifocal, Mild
Uterus Note: HYPERPLASIA TGLs = 2-8,		Hyperplasia	Cystic, Moderate

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05070-02

Test Type: CHRONIC

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Vinyl toluene

CAS Number: 25013-15-4

Date Report Requested: 10/23/2014

Time Report Requested: 13:42:44

First Dose M/F: NA / NA

Lab: MIDWEST

ANIMAL ID: 50

TRT#: 2

SEX: Female

DAY ON TEST: 735

DOSE: 25 PPM

DISP: Terminal Sacrifice

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - 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	Larynx
Lymph Node - Mandibular	Mammary Gland	Ovary	Pancreas
Parathyroid Gland	Salivary Glands	Skin	Spleen
Stomach - Forestomach	Stomach - Glandular	Thymus	Thyroid Gland
Trachea	Urinary Bladder		

MISSING

Lymph Node - Mesenteric

OBSERVATIONS

Adrenal Gland	Capsule	Hyperplasia	Diffuse, Mild
Brain			
Note: POSSIBLE FREEZING ARTIFACT			
Kidney		Infiltration Cellular	Lymphocyte, Multifocal, Mild
Liver		Infiltration Cellular	Lymphocyte, Multifocal, Minimal
Lung	Alveolus, Bronchiole	Inflammation	Chronic Active, Multifocal, Moderate
Note: INFLAMMATION TGLs = 2+3+4-4,			
Nose	Respirat Epith Mucosa	Hyperplasia Inflammation	Marked Chronic Active, Moderate
Pituitary Gland	Pars Intermed	Adenoma	
Uterus		Hyperplasia	Cystic, Mild
Note: HYPERPLASIA TGLs = 5-8,			

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05070-02
Test Type: CHRONIC
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Vinyl toluene
CAS Number: 25013-15-4

Date Report Requested: 10/23/2014
Time Report Requested: 13:42:44
First Dose M/F: NA / NA
Lab: MIDWEST

ANIMAL ID: 50	TRT#: 3 DOSE: 10 PPM	SEX: Female DISP: Terminal Sacrifice	DAY ON TEST: 734 HISTO:
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ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Lung

OBSERVATIONS

Nose	Respirat Epith Mucosa	Hyperplasia Inflammation Cyst	Moderate Chronic Active, Mild Moderate
Ovary Note: CYST TGLs = 3-3			
Uterus Note: DILATATION TGLs = 1-3 Note: HYPERPLASIA TGLs = 2-3		Dilatation Hyperplasia	Marked Cystic, Mild

PRIMARY CAUSE OF DEATH

-

** END OF REPORT **