

Experiment Number: 10472 - 04
Test Type: CHRONIC
Route: RESPIRATORY EXPOSURE WHOLE BODY
Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

p-Chloro-a,a,a-trifluorotoluene

CAS Number: 98-56-6

Date Report Requested: 03/25/2016

Time Report Requested: 09:19:23

First Dose M/F: 01/31/11 / 01/31/11

Lab: BNW

F1 Revision1_M3

NTP Study Number: C10472B
Lock Date: 08/29/2013
Cage Range: ALL
Date Range: ALL
Reasons For Removal: ALL
Removal Date Range: ALL
Treatment Groups: Include ALL
Study Gender: Both
TDMSE Version: 3.0.2.3_002
PWG Approval Date: 02/01/2016

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Date Report Requested: 03/25/2016
Time Report Requested: 09:19:23
First Dose M/F: 01/31/11 / 01/31/11
Lab: BNW

ANIMAL ID: 1

TRT#: 1

SEX: Male

DAY ON TEST: 731

DOSE: Control

DISP: Terminal Sacrifice

HISTO: 63011

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Mammary Gland

OBSERVATIONS

* Adrenal Cortex		Hypertrophy	Minimal
* Kidney		Nephropathy	Mild
* Liver		Clear Cell Focus	
		Hepatocellular Adenoma	
[Hepatocellular Adenoma	TGLs = 1-6]		
Mesentery	Fat	Necrosis	Minimal
[Necrosis	TGLs = 2-7]		

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Date Report Requested: 03/25/2016
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 First Dose M/F: 01/31/11 / 01/31/11
 Lab: BNW

ANIMAL ID: 2

TRT#: 1

SEX: Male

DAY ON TEST: 730

DOSE: Control

DISP: Terminal Sacrifice

HISTO: 63012

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	Blood Vessel	* Bone	* Brain
* Epididymis	* Esophagus	* Eye	* Gallbladder
* Harderian Gland	* Heart	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Larynx	* Lung	* Lymph Node, Bronchial
* Lymph Node, Mandibular	* Lymph Node, Mediastinal	* 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

* Mammary Gland	* Parathyroid Gland
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OBSERVATIONS

* Adrenal Cortex		Hypertrophy	Minimal
* Bone Marrow		Hyperplasia	Minimal
* Kidney		Nephropathy	Minimal
* Liver		Hepatocellular Adenoma	
	[Hepatocellular Adenoma TGLs = 1-7]		
* Lymph Node, Mesenteric		Ectasia	Moderate
	[Ectasia TGLs = 4-8]		
Mesentery	Fat	Necrosis	Mild
	[Necrosis TGLs = 2,3-14+15]		

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P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
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CAS Number: 98-56-6

Date Report Requested: 03/25/2016
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First Dose M/F: 01/31/11 / 01/31/11
Lab: BNW

ANIMAL ID: 3

TRT#: 1

SEX: Male

DAY ON TEST: 729

DOSE: Control

DISP: Terminal Sacrifice

HISTO: 63013

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Lymph Node, Mediastinal

OBSERVATIONS

* Kidney		Nephropathy	Minimal
* Liver		Hepatocellular Adenoma	
	[Hepatocellular Adenoma TGLs = 1-6]		
* Spleen	Lymph Follic	Hyperplasia	Minimal
* Stomach, Forestomach	Epithelium	Hyperplasia	Minimal
		Inflammation	Minimal
* Thymus		Atrophy	Minimal

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Date Report Requested: 03/25/2016
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 First Dose M/F: 01/31/11 / 01/31/11
 Lab: BNW

ANIMAL ID: 4

TRT#: 1

SEX: Male

DAY ON TEST: 729

DOSE: Control

DISP: Terminal Sacrifice

HISTO: 63014

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Mammary Gland	* Thymus
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OBSERVATIONS

* Heart	Cardiomyopathy	Minimal
* Kidney	Nephropathy	Minimal
* Liver	Hepatocellular Carcinoma	
	Mixed Cell Focus	
	[Hepatocellular Carcinoma TGLs = 1-14]	
	[Mixed Cell Focus TGLs = 2-6]	
* Lung	Alveolar/Bronchiolar Carcinoma	
	Hepatocellular Carcinoma	Metastatic (Liver)
	[Alveolar/Bronchiolar Carcinoma TGLs = 3-5]	
* Spleen	Hematopoietic Cell Proliferation	Minimal

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Lab: BNW

ANIMAL ID: 5

TRT#: 1

SEX: Male

DAY ON TEST: 730

DOSE: Control

DISP: Terminal Sacrifice

HISTO: 63015

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- | | | | |
|--------------------------|----------------------------|---------------------------|-----------------------------|
| * Adrenal Cortex | * Adrenal Medulla | Blood Vessel | * Bone |
| * Bone Marrow | * Brain | * Epididymis | * Esophagus |
| * Eye | * Gallbladder | * Harderian Gland | * Heart |
| * Intestine Large, Cecum | * Intestine Large, Colon | * Intestine Large, Rectum | * Intestine Small, Duodenum |
| * Intestine Small, Ileum | * Intestine Small, Jejunum | * Islets, Pancreatic | * Larynx |
| * Lung | * Lymph Node, Bronchial | * Lymph Node, Mesenteric | * Nose |
| * Pancreas | * Pituitary Gland | * Preputial Gland | * Prostate |
| * Salivary Glands | * Seminal Vesicle | * Skin | * Stomach, Glandular |
| * Testes | * Thymus | * Thyroid Gland | * Trachea |
| * Urinary Bladder | | | |

MISSING

- | | | | |
|--------------------------|---------------------------|-----------------|---------------------|
| * Lymph Node, Mandibular | * Lymph Node, Mediastinal | * Mammary Gland | * Parathyroid Gland |
|--------------------------|---------------------------|-----------------|---------------------|

OBSERVATIONS

- | | | | |
|------------------------|---------------------------------|----------------------------------|---------|
| * Kidney | | Nephropathy | Minimal |
| * Liver | | Mixed Cell Focus | |
| | [Mixed Cell Focus TGLs = 1-6] | | |
| * Spleen | | Hematopoietic Cell Proliferation | Minimal |
| * Stomach, Forestomach | Epithelium | Hyperplasia | Minimal |
| | | Squamous Cell Papilloma | |

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Lab: BNW

ANIMAL ID: 6

TRT#: 1

SEX: Male

DAY ON TEST: 730

DOSE: Control

DISP: Terminal Sacrifice

HISTO: 63016

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Mammary Gland

OBSERVATIONS

* Adrenal Cortex		Hypertrophy	Minimal
* Bone Marrow		Hyperplasia	Minimal
* Harderian Gland		Adenoma	
* Kidney		Nephropathy	Mild
* Lung		Alveolar/Bronchiolar Adenoma	
	[Alveolar/Bronchiolar Adenoma TGLs = 1-15]		
* Thymus		Atrophy	Mild

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Date Report Requested: 03/25/2016
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 First Dose M/F: 01/31/11 / 01/31/11
 Lab: BNW

ANIMAL ID: 7

TRT#: 1

SEX: Male

DAY ON TEST: 595

DOSE: Control

DISP: Moribund Sacrifice

HISTO: 63017

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Lymph Node, Mandibular	* Mammary Gland
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OBSERVATIONS

* Bone Marrow		Hyperplasia	Minimal
* Brain		Inflammation	Mild
Note: Section 2: Caudate Putamen			
* Heart		Hepatocholangiocarcinoma	Metastatic (Liver)
* Islets, Pancreatic		Necrosis	Minimal
* Kidney		Nephropathy	Minimal
* Liver		Hepatocholangiocarcinoma	
[Hepatocholangiocarcinoma	TGLs = 13-17]		
* Lung		Hepatocholangiocarcinoma	Metastatic (Liver)
	Bronchiole, Epithelium	Hyperplasia	Minimal
[Hepatocholangiocarcinoma	TGLs = 3,4,5,6,7,8,9,10,11-5+14+15+16]		
Lymph Node	Pancreatic	Hepatocholangiocarcinoma	Metastatic (Liver)
[Hepatocholangiocarcinoma	TGLs = 12-7]		
* Lymph Node, Bronchial		Hepatocholangiocarcinoma	Metastatic (Liver)
* Lymph Node, Mediastinal		Hepatocholangiocarcinoma	Metastatic (Liver)
* Pancreas	Acinus	Atrophy	Mild
		Hepatocholangiocarcinoma	Metastatic (Liver)
		Inflammation	Minimal
Skeletal Muscle		Hepatocholangiocarcinoma	Metastatic (Liver)

* PROTOCOL REQUIRED TISSUE

Experiment Number: 10472 - 04
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Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
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First Dose M/F: 01/31/11 / 01/31/11
Lab: BNW

ANIMAL ID: 7

TRT#: 1

SEX: Male

DAY ON TEST: 595

DOSE: Control

DISP: Moribund Sacrifice

HISTO: 63017

ORGAN AND ACCOUNTABLE SITE STATUS

[Hepatocholangiocarcinoma TGLs = 2-15]

* Stomach, Forestomach

Hepatocholangiocarcinoma

Metastatic (Liver)

Inflammation

Minimal

* Thymus

Atrophy

Moderate

Hepatocholangiocarcinoma

Metastatic (Liver)

PRIMARY CAUSE OF DEATH

- Liver Hepatocholangiocarcinoma

Experiment Number: 10472 - 04
 Test Type: CHRONIC
 Route: RESPIRATORY EXPOSURE WHOLE BODY
 Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
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 CAS Number: 98-56-6

Date Report Requested: 03/25/2016
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 First Dose M/F: 01/31/11 / 01/31/11
 Lab: BNW

ANIMAL ID: 8

TRT#: 1

SEX: Male

DAY ON TEST: 424

DOSE: Control

DISP: Moribund Sacrifice

HISTO: 63018

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

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

* Bone Marrow		Hyperplasia	Minimal
* Liver		Hepatocellular Adenoma	
	[Hepatocellular Adenoma TGLs = 2-7]		
* Lung		Hemangiosarcoma	
* Preputial Gland		Inflammation	Mild
* Skin	Subcut Tiss	Hemangiosarcoma	
	[Hemangiosarcoma TGLs = 1-14]		
* Spleen		Hematopoietic Cell Proliferation	Moderate
* Thymus		Atrophy	Minimal
		Ectopic Parathyroid Gland	

PRIMARY CAUSE OF DEATH - Skin Subcut Tiss Hemangiosarcoma

Experiment Number: 10472 - 04
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 Species/Strain: MICE/B6C3F1

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Date Report Requested: 03/25/2016
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 First Dose M/F: 01/31/11 / 01/31/11
 Lab: BNW

ANIMAL ID: 9

TRT#: 1

SEX: Male

DAY ON TEST: 731

DOSE: Control

DISP: Terminal Sacrifice

HISTO: 63019

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Mammary Gland

OBSERVATIONS

* Bone Marrow		Hyperplasia	Minimal
* Heart		Cardiomyopathy	Minimal
* Kidney		Infarct	Minimal
* Liver		Eosinophilic Focus	
		Hepatocellular Adenoma	
	[Hepatocellular Adenoma TGLs = 1-6]		
* Lung		Alveolar/Bronchiolar Adenoma	
* Nose	Olfactory Epi	Accumulation, Hyaline Droplet	Minimal

Experiment Number: 10472 - 04
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 Lab: BNW

ANIMAL ID: 10

TRT#: 1

SEX: Male

DAY ON TEST: 731

DOSE: Control

DISP: Terminal Sacrifice

HISTO: 63020

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Mammary Gland	* Parathyroid Gland
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OBSERVATIONS

* Bone Marrow		Hyperplasia	Minimal
* Heart		Cardiomyopathy	Minimal
* Kidney		Nephropathy	Mild
* Liver		Hepatocellular Adenoma	
	[Hepatocellular Adenoma TGLs = 1-7]		
* Lymph Node, Mesenteric		Hyperplasia	Lymphoid, Mild
* Nose	Olfactory Epi	Accumulation, Hyaline Droplet	Minimal
	Respirat Epith	Accumulation, Hyaline Droplet	Minimal
* Spleen	Lymph Follic	Hyperplasia	Minimal
* Stomach, Forestomach	Epithelium	Hyperplasia	Minimal
* Thymus		Atrophy	Minimal

* PROTOCOL REQUIRED TISSUE

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 Lab: BNW

ANIMAL ID: 11

TRT#: 1

SEX: Male

DAY ON TEST: 729

DOSE: Control

DISP: Terminal Sacrifice

HISTO: 63021

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Lymph Node, Mediastinal	* Mammary Gland
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OBSERVATIONS

* Adrenal Cortex		Hypertrophy	Mild
* Eye	Cornea	Hyperplasia	Minimal
* Kidney		Infarct	Mild
		Nephropathy	Minimal
* Liver		Clear Cell Focus	
		Eosinophilic Focus	
	[Eosinophilic Focus TGLs = 1-14]		
* Thymus		Atrophy	Mild
		Ectopic Parathyroid Gland	

Experiment Number: 10472 - 04
 Test Type: CHRONIC
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 Species/Strain: MICE/B6C3F1

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 Lab: BNW

ANIMAL ID: 12

TRT#: 1

SEX: Male

DAY ON TEST: 731

DOSE: Control

DISP: Terminal Sacrifice

HISTO: 63022

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	Blood Vessel	* Bone
* Bone Marrow	* Brain	* Esophagus	* Eye
* Gallbladder	* Harderian Gland	* Heart	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Larynx	* Lymph Node, Bronchial
* Lymph Node, Mandibular	* Lymph Node, Mediastinal	* Pancreas	* Parathyroid Gland
* Pituitary Gland	* Prostate	* Salivary Glands	* Seminal Vesicle
* Skin	* Stomach, Forestomach	* Stomach, Glandular	* Thyroid Gland
* Trachea	* Urinary Bladder		

MISSING

* Mammary Gland

OBSERVATIONS

* Epididymis		Granuloma Sperm	Minimal
* Kidney		Nephropathy	Moderate
* Liver		Basophilic Focus	
		Hepatocellular Carcinoma	Multiple
	[Hepatocellular Carcinoma TGLs = 1,2,4-6+14+15]		
* Lung		Hepatocellular Carcinoma	Metastatic (Liver)
* Lymph Node, Mesenteric		Angiectasis	Mild
* Nose	Olfactory Epi	Accumulation, Hyaline Droplet	Minimal
* Preputial Gland		Ectasia	Mild
	[Ectasia TGLs = 3-9]		
* Spleen		Hematopoietic Cell Proliferation	Mild
* Testes	Germinal Epith	Degeneration	Minimal
* Thymus		Atrophy	Mild

* PROTOCOL REQUIRED TISSUE

Experiment Number: 10472 - 04
 Test Type: CHRONIC
 Route: RESPIRATORY EXPOSURE WHOLE BODY
 Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 p-Chloro-a,a,a-trifluorotoluene
 CAS Number: 98-56-6

Date Report Requested: 03/25/2016
 Time Report Requested: 09:19:23
 First Dose M/F: 01/31/11 / 01/31/11
 Lab: BNW

ANIMAL ID: 13

TRT#: 1

SEX: Male

DAY ON TEST: 620

DOSE: Control

DISP: Moribund Sacrifice

HISTO: 63023

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	Blood Vessel	* Bone	* Brain
* Epididymis	* Esophagus	* Eye	* Gallbladder
* Harderian Gland	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Islets, Pancreatic	* Larynx	* Lymph Node, Bronchial
* Lymph Node, Mediastinal	* Nose	* Parathyroid Gland	* Pituitary Gland
* Preputial Gland	* Prostate	* Salivary Glands	* Seminal Vesicle
* Skin	* Stomach, Glandular	* Testes	* Thyroid Gland
* Trachea	* Urinary Bladder		

MISSING

* Mammary Gland

OBSERVATIONS

* Adrenal Cortex		Hypertrophy	Mild
* Bone Marrow		Hyperplasia	Minimal
* Heart		Cardiomyopathy	Minimal
* Intestine Small, Ileum		Lymphoma Malignant	
		Perforation	
	[Lymphoma Malignant TGLs = 3,5-15]		
* Intestine Small, Jejunum		Lymphoma Malignant	
		Perforation	
	[Lymphoma Malignant TGLs = 2,4-14]		
* Kidney		Nephropathy	Mild
* Liver	Hepatocyte	Necrosis	Minimal
	[Necrosis TGLs = 7-6]		
* Lung	Pleura	Inflammation	Minimal
* Lymph Node, Mandibular		Lymphoma Malignant	
* Lymph Node, Mesenteric		Lymphoma Malignant	
	[Lymphoma Malignant TGLs = 6-7]		
* Pancreas		Inflammation	Minimal
* Spleen		Hematopoietic Cell Proliferation	Moderate
		Lymphoma Malignant	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 10472 - 04
Test Type: CHRONIC
Route: RESPIRATORY EXPOSURE WHOLE BODY
Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
p-Chloro-a,a,a-trifluorotoluene
CAS Number: 98-56-6

Date Report Requested: 03/25/2016
Time Report Requested: 09:19:23
First Dose M/F: 01/31/11 / 01/31/11
Lab: BNW

ANIMAL ID: 13

TRT#: 1

SEX: Male

DAY ON TEST: 620

DOSE: Control

DISP: Moribund Sacrifice

HISTO: 63023

ORGAN AND ACCOUNTABLE SITE STATUS

[Hematopoietic Cell Proliferation	TGLs = 1-6]		
* Stomach, Forestomach	Epithelium	Hyperplasia	Minimal
	Epithelium	Ulcer	Minimal
* Thymus		Atrophy	Mild
		Ectopic Parathyroid Gland	

PRIMARY CAUSE OF DEATH - Intestine Small, Jejunum Perforation

Experiment Number: 10472 - 04
Test Type: CHRONIC
Route: RESPIRATORY EXPOSURE WHOLE BODY
Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
p-Chloro-a,a,a-trifluorotoluene
CAS Number: 98-56-6

Date Report Requested: 03/25/2016
Time Report Requested: 09:19:23
First Dose M/F: 01/31/11 / 01/31/11
Lab: BNW

ANIMAL ID: 14

TRT#: 1

SEX: Male

DAY ON TEST: 730

DOSE: Control

DISP: Terminal Sacrifice

HISTO: 63024

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Mammary Gland	* Parathyroid Gland
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OBSERVATIONS

* Heart	Cardiomyopathy	Minimal
* Islets, Pancreatic	Hyperplasia	Minimal
* Kidney	Nephropathy	Minimal
* Preputial Gland	Ectasia	Minimal
[Ectasia TGLs = 1-9]		
* Thymus	Atrophy	Minimal

Experiment Number: 10472 - 04
 Test Type: CHRONIC
 Route: RESPIRATORY EXPOSURE WHOLE BODY
 Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 p-Chloro-a,a,a-trifluorotoluene
 CAS Number: 98-56-6

Date Report Requested: 03/25/2016
 Time Report Requested: 09:19:23
 First Dose M/F: 01/31/11 / 01/31/11
 Lab: BNW

ANIMAL ID: 15

TRT#: 1

SEX: Male

DAY ON TEST: 730

DOSE: Control

DISP: Terminal Sacrifice

HISTO: 63025

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Mammary Gland

OBSERVATIONS

* Eye		Cataract	Mild
	[Cataract TGLs = 3-12]		
* Harderian Gland		Adenocarcinoma	
	[Adenocarcinoma TGLs = 5-12]		
* Kidney		Nephropathy	Minimal
* Liver		Clear Cell Focus	
		Eosinophilic Focus	
		Hepatocellular Adenoma	
	[Eosinophilic Focus TGLs = 1-14]		
	[Hepatocellular Adenoma TGLs = 2-6]		
* Lung	Alveolus	Infiltration Cellular	Histiocyte, Moderate
		Pigmentation	Hemosiderin, Moderate
	[Pigmentation TGLs = 4-5]		
* Nose	Olfactory Epi	Accumulation, Hyaline Droplet	Minimal
* Spleen	Lymph Follic	Hyperplasia	Minimal
* Thymus		Atrophy	Minimal

* PROTOCOL REQUIRED TISSUE

Experiment Number: 10472 - 04
Test Type: CHRONIC
Route: RESPIRATORY EXPOSURE WHOLE BODY
Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
p-Chloro-a,a,a-trifluorotoluene
CAS Number: 98-56-6

Date Report Requested: 03/25/2016
Time Report Requested: 09:19:23
First Dose M/F: 01/31/11 / 01/31/11
Lab: BNW

ANIMAL ID: 16

TRT#: 1

SEX: Male

DAY ON TEST: 729

DOSE: Control

DISP: Terminal Sacrifice

HISTO: 63026

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Lymph Node, Mandibular * Mammary Gland

OBSERVATIONS

* Adrenal Cortex		Hypertrophy	Minimal
* Bone		Fibro-Osseous Lesion	Minimal
* Islets, Pancreatic		Hyperplasia	Minimal
* Kidney		Nephropathy	Minimal
* Liver		Clear Cell Focus	
	[Clear Cell Focus TGLs = 1-6]		
* Lung		Alveolar/Bronchiolar Adenoma	
Mesentery	Fat	Necrosis	Mild
	[Necrosis TGLs = 2-7]		

Experiment Number: 10472 - 04
 Test Type: CHRONIC
 Route: RESPIRATORY EXPOSURE WHOLE BODY
 Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 p-Chloro-a,a,a-trifluorotoluene
 CAS Number: 98-56-6

Date Report Requested: 03/25/2016
 Time Report Requested: 09:19:23
 First Dose M/F: 01/31/11 / 01/31/11
 Lab: BNW

ANIMAL ID: 17

TRT#: 1

SEX: Male

DAY ON TEST: 729

DOSE: Control

DISP: Terminal Sacrifice

HISTO: 63027

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

- * Mammary Gland

OBSERVATIONS

- | | | |
|----------------------|--|---------|
| * Adrenal Cortex | Hypertrophy | Mild |
| * Bone Marrow | Hyperplasia | Minimal |
| * Islets, Pancreatic | Adenoma | |
| * Kidney | Nephropathy | Mild |
| * Liver | Clear Cell Focus | |
| | Eosinophilic Focus | |
| | Hepatocellular Carcinoma | |
| | Mixed Cell Focus | |
| | [Clear Cell Focus TGLs = 2-17] | |
| | [Hepatocellular Carcinoma TGLs = 1-14] | |
| | [Mixed Cell Focus TGLs = 3,5-7+18] | |
| * Lung | Alveolar/Bronchiolar Carcinoma | |
| | [Alveolar/Bronchiolar Carcinoma TGLs = 4-16] | |
| * Spleen | Hematopoietic Cell Proliferation | Minimal |

* PROTOCOL REQUIRED TISSUE

Experiment Number: 10472 - 04
 Test Type: CHRONIC
 Route: RESPIRATORY EXPOSURE WHOLE BODY
 Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 p-Chloro-a,a,a-trifluorotoluene
 CAS Number: 98-56-6

Date Report Requested: 03/25/2016
 Time Report Requested: 09:19:23
 First Dose M/F: 01/31/11 / 01/31/11
 Lab: BNW

ANIMAL ID: 18

TRT#: 1

SEX: Male

DAY ON TEST: 730

DOSE: Control

DISP: Terminal Sacrifice

HISTO: 63028

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

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

* Adrenal Cortex		Hypertrophy	Minimal
* Kidney		Nephropathy	Minimal
* Larynx	Squam Epithel	Hyperplasia	Minimal
* Liver		Hepatocellular Adenoma	Multiple
		Mixed Cell Focus	
	[Hepatocellular Adenoma TGLs = 2,4,6-7+14+15]		
	[Mixed Cell Focus TGLs = 3,5,7-6+16]		
* Lung		Alveolar/Bronchiolar Adenoma	Multiple
	[Alveolar/Bronchiolar Adenoma TGLs = 1-14]		
* Spleen		Hematopoietic Cell Proliferation	Minimal

Experiment Number: 10472 - 04
Test Type: CHRONIC
Route: RESPIRATORY EXPOSURE WHOLE BODY
Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 p-Chloro-a,a,a-trifluorotoluene
CAS Number: 98-56-6

Date Report Requested: 03/25/2016
Time Report Requested: 09:19:23
First Dose M/F: 01/31/11 / 01/31/11
Lab: BNW

ANIMAL ID: 19

TRT#: 1

SEX: Male

DAY ON TEST: 704

DOSE: Control

DISP: Moribund Sacrifice

HISTO: 63029

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Lymph Node, Mesenteric * Mammary Gland

OBSERVATIONS

* Bone Marrow		Hyperplasia	Minimal
* Kidney		Nephropathy	Moderate
* Liver		Hepatocellular Carcinoma	
		Mixed Cell Focus	
	[Hepatocellular Carcinoma TGLs = 1-14]		
	[Mixed Cell Focus TGLs = 2-6]		
* Lung		Hepatocellular Carcinoma	Metastatic (Liver)
* Nose	Olfactory Epi	Accumulation, Hyaline Droplet	Minimal
* Skin	Epidermis	Hyperplasia	Mild
		Inflammation	Minimal
	[Hyperplasia TGLs = 3-7]		
* Spleen		Hematopoietic Cell Proliferation	Mild
* Thymus		Atrophy	Minimal

PRIMARY CAUSE OF DEATH - Liver Hepatocellular Carcinoma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 10472 - 04
 Test Type: CHRONIC
 Route: RESPIRATORY EXPOSURE WHOLE BODY
 Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 p-Chloro-a,a,a-trifluorotoluene
 CAS Number: 98-56-6

Date Report Requested: 03/25/2016
 Time Report Requested: 09:19:23
 First Dose M/F: 01/31/11 / 01/31/11
 Lab: BNW

ANIMAL ID: 20

TRT#: 1

SEX: Male

DAY ON TEST: 488

DOSE: Control

DISP: Natural Death

HISTO: 63030

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Lymph Node, Mandibular	* Mammary Gland	* Parathyroid Gland
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INSUFFICIENT TISSUE

* Thymus

OBSERVATIONS

* Kidney		Nephropathy	Minimal
* Liver		Hepatocellular Carcinoma	Multiple
	[Hepatocellular Carcinoma TGLs = 1-14]		
* Lung		Hepatocellular Carcinoma	Metastatic (Liver)
Mesentery	Fat	Necrosis	Minimal
	[Necrosis TGLs = 2-6]		
* Nose	Respirat Epith	Accumulation, Hyaline Droplet	Minimal
* Spleen		Hematopoietic Cell Proliferation	Minimal
* Stomach, Forestomach	Epithelium	Hyperplasia	Minimal
		Inflammation	Minimal

PRIMARY CAUSE OF DEATH - Liver Hepatocellular Carcinoma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 10472 - 04
 Test Type: CHRONIC
 Route: RESPIRATORY EXPOSURE WHOLE BODY
 Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 p-Chloro-a,a,a-trifluorotoluene
 CAS Number: 98-56-6

Date Report Requested: 03/25/2016
 Time Report Requested: 09:19:23
 First Dose M/F: 01/31/11 / 01/31/11
 Lab: BNW

ANIMAL ID: 21

TRT#: 1

SEX: Male

DAY ON TEST: 729

DOSE: Control

DISP: Terminal Sacrifice

HISTO: 63031

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Mammary Gland

OBSERVATIONS

* Adrenal Medulla		Hyperplasia	Minimal
* Bone Marrow		Hyperplasia	Minimal
* Kidney		Nephropathy	Mild
* Liver		Clear Cell Focus	
		Eosinophilic Focus	
		Hepatocellular Adenoma	Multiple
		Mixed Cell Focus	
	[Clear Cell Focus TGLs = 5-6]		
	[Eosinophilic Focus TGLs = 4-17]		
	[Hepatocellular Adenoma TGLs = 1,2,3-7+14+15]		
* Nose	Olfactory Epi	Accumulation, Hyaline Droplet	Minimal
* Spleen	Lymph Follic	Hyperplasia	Minimal
* Testes	Germinal Epith	Degeneration	Minimal
* Thymus		Ectopic Parathyroid Gland	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 10472 - 04
Test Type: CHRONIC
Route: RESPIRATORY EXPOSURE WHOLE BODY
Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
p-Chloro-a,a,a-trifluorotoluene
CAS Number: 98-56-6

Date Report Requested: 03/25/2016
Time Report Requested: 09:19:23
First Dose M/F: 01/31/11 / 01/31/11
Lab: BNW

ANIMAL ID: 22

TRT#: 1

SEX: Male

DAY ON TEST: 731

DOSE: Control

DISP: Terminal Sacrifice

HISTO: 63032

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Mammary Gland

OBSERVATIONS

* Kidney		Infarct	Minimal
		Nephropathy	Mild
* Liver		Eosinophilic Focus	
		Mixed Cell Focus	
	[Mixed Cell Focus TGLs = 1-6]		
* Lung		Hemorrhage	Minimal
	Alveolar Epith	Hyperplasia	Minimal
	[Hemorrhage TGLs = 2-5]		
	[Hyperplasia TGLs = 3-5]		
* Thymus		Ectopic Parathyroid Gland	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 10472 - 04
Test Type: CHRONIC
Route: RESPIRATORY EXPOSURE WHOLE BODY
Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
p-Chloro-a,a,a-trifluorotoluene
CAS Number: 98-56-6

Date Report Requested: 03/25/2016
Time Report Requested: 09:19:23
First Dose M/F: 01/31/11 / 01/31/11
Lab: BNW

ANIMAL ID: 23

TRT#: 1

SEX: Male

DAY ON TEST: 729

DOSE: Control

DISP: Terminal Sacrifice

HISTO: 63033

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Mammary Gland

OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Mild
* Bone Marrow		Hyperplasia	Minimal
* Kidney		Nephropathy	Minimal
* Liver		Mixed Cell Focus	
	[Mixed Cell Focus TGLs = 2,3,4-6+14]		
* Spleen	Lymph Follic	Hyperplasia	Minimal

Experiment Number: 10472 - 04
 Test Type: CHRONIC
 Route: RESPIRATORY EXPOSURE WHOLE BODY
 Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 p-Chloro-a,a,a-trifluorotoluene
 CAS Number: 98-56-6

Date Report Requested: 03/25/2016
 Time Report Requested: 09:19:23
 First Dose M/F: 01/31/11 / 01/31/11
 Lab: BNW

ANIMAL ID: 24

TRT#: 1

SEX: Male

DAY ON TEST: 730

DOSE: Control

DISP: Terminal Sacrifice

HISTO: 63034

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	Blood Vessel	* Bone
* Brain	* Epididymis	* Esophagus	* Eye
* Gallbladder	* Heart	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Larynx
* Lymph Node, Bronchial	* Lymph Node, Mediastinal	* Pancreas	* Parathyroid Gland
* Pituitary Gland	* Preputial Gland	* Prostate	* Salivary Glands
* Seminal Vesicle	* Skin	* Stomach, Forestomach	* Testes
* Thyroid Gland	* Trachea	* Urinary Bladder	

MISSING

* Lymph Node, Mandibular	* Mammary Gland
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OBSERVATIONS

* Bone Marrow		Hyperplasia	Minimal
* Harderian Gland		Adenoma	
[Adenoma TGLs = 4-12]			
* Intestine Small, Jejunum		Adenocarcinoma	
	Peyers Patch	Hyperplasia	Marked
Note: TGL 6 represents two separate masses, one is composed of an intestinal adenoma, the other is marked Peyer's Patch hyperplasia			
		[Adenocarcinoma TGLs = 6-16]	
		[Hyperplasia TGLs = 6-16]	
* Islets, Pancreatic		Hyperplasia	Mild
* Kidney		Infarct	Minimal
		Nephropathy	Minimal
* Liver		Eosinophilic Focus	
		Hepatocellular Adenoma	Multiple
		[Eosinophilic Focus TGLs = 3-6]	
		[Hepatocellular Adenoma TGLs = 1,2-7+14]	
* Lung		Alveolar/Bronchiolar Carcinoma	
	Bronchiole, Epithelium	Hyperplasia	Minimal
	[Alveolar/Bronchiolar Carcinoma TGLs = 5-5]		
* Lymph Node, Mesenteric		Hyperplasia	Lymphoid, Mild

* PROTOCOL REQUIRED TISSUE

Experiment Number: 10472 - 04
Test Type: CHRONIC
Route: RESPIRATORY EXPOSURE WHOLE BODY
Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
p-Chloro-a,a,a-trifluorotoluene
CAS Number: 98-56-6

Date Report Requested: 03/25/2016
Time Report Requested: 09:19:23
First Dose M/F: 01/31/11 / 01/31/11
Lab: BNW

ANIMAL ID: 24

TRT#: 1

SEX: Male

DAY ON TEST: 730

DOSE: Control

DISP: Terminal Sacrifice

HISTO: 63034

ORGAN AND ACCOUNTABLE SITE STATUS

* Nose	Olfactory Epi	Accumulation, Hyaline Droplet	Minimal
* Spleen		Hematopoietic Cell Proliferation	Minimal
* Stomach, Glandular		Inflammation	Minimal
* Thymus		Atrophy	Minimal

Experiment Number: 10472 - 04
 Test Type: CHRONIC
 Route: RESPIRATORY EXPOSURE WHOLE BODY
 Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 p-Chloro-a,a,a-trifluorotoluene
 CAS Number: 98-56-6

Date Report Requested: 03/25/2016
 Time Report Requested: 09:19:23
 First Dose M/F: 01/31/11 / 01/31/11
 Lab: BNW

ANIMAL ID: 25

TRT#: 1

SEX: Male

DAY ON TEST: 730

DOSE: Control

DISP: Terminal Sacrifice

HISTO: 63035

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Mammary Gland

OBSERVATIONS

* Bone Marrow		Hyperplasia	Minimal
* Kidney		Metaplasia	Osseous, Minimal
		Nephropathy	Mild
* Liver		Mixed Cell Focus	
	[Mixed Cell Focus TGLs = 2-6]		
* Lung		Alveolar/Bronchiolar Carcinoma	
	[Alveolar/Bronchiolar Carcinoma TGLs = 1-5]		
* Lymph Node, Mandibular		Hyperplasia	Lymphoid, Mild
* Spleen		Hematopoietic Cell Proliferation	Minimal
* Testes	Germinal Epith	Degeneration	Minimal
* Thymus		Ectopic Parathyroid Gland	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 10472 - 04
 Test Type: CHRONIC
 Route: RESPIRATORY EXPOSURE WHOLE BODY
 Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 p-Chloro-a,a,a-trifluorotoluene
 CAS Number: 98-56-6

Date Report Requested: 03/25/2016
 Time Report Requested: 09:19:23
 First Dose M/F: 01/31/11 / 01/31/11
 Lab: BNW

ANIMAL ID: 26

TRT#: 1

SEX: Male

DAY ON TEST: 729

DOSE: Control

DISP: Terminal Sacrifice

HISTO: 63036

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

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

OBSERVATIONS

* Adrenal Cortex		Hypertrophy	Minimal
* Heart		Cardiomyopathy	Minimal
* Kidney		Nephropathy	Mild
* Liver		Hepatocellular Adenoma	
	[Hepatocellular Adenoma TGLs = 3-6]		
* Lung		Alveolar/Bronchiolar Carcinoma	Multiple
	Alveolus	Infiltration Cellular	Histiocyte, Mild
	[Alveolar/Bronchiolar Carcinoma TGLs = 1,2-5]		
* Nose		Accumulation, Hyaline Droplet	Minimal
	Respirat Epith	Accumulation, Hyaline Droplet	Minimal
	Olfactory Epi	Inflammation	Suppurative, Minimal

Experiment Number: 10472 - 04
 Test Type: CHRONIC
 Route: RESPIRATORY EXPOSURE WHOLE BODY
 Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 p-Chloro-a,a,a-trifluorotoluene
 CAS Number: 98-56-6

Date Report Requested: 03/25/2016
 Time Report Requested: 09:19:23
 First Dose M/F: 01/31/11 / 01/31/11
 Lab: BNW

ANIMAL ID: 27

TRT#: 1

SEX: Male

DAY ON TEST: 730

DOSE: Control

DISP: Terminal Sacrifice

HISTO: 63037

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

- * Mammary Gland

OBSERVATIONS

- | | | | |
|----------|--|----------------------------------|---------|
| * Heart | | Cardiomyopathy | Minimal |
| * Kidney | | Nephropathy | Minimal |
| * Liver | | Hepatocellular Adenoma | |
| | Hepatocyte | Multinucleated | Minimal |
| | [Hepatocellular Adenoma TGLs = 1-14] | | |
| * Spleen | | Hematopoietic Cell Proliferation | Minimal |

* PROTOCOL REQUIRED TISSUE

Experiment Number: 10472 - 04
Test Type: CHRONIC
Route: RESPIRATORY EXPOSURE WHOLE BODY
Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
p-Chloro-a,a,a-trifluorotoluene
CAS Number: 98-56-6

Date Report Requested: 03/25/2016
Time Report Requested: 09:19:23
First Dose M/F: 01/31/11 / 01/31/11
Lab: BNW

ANIMAL ID: 28

TRT#: 1

SEX: Male

DAY ON TEST: 729

DOSE: Control

DISP: Terminal Sacrifice

HISTO: 63038

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Mammary Gland

OBSERVATIONS

* Bone Marrow	Hyperplasia	Minimal
* Kidney	Infarct	Minimal
	Nephropathy	Mild

Experiment Number: 10472 - 04
 Test Type: CHRONIC
 Route: RESPIRATORY EXPOSURE WHOLE BODY
 Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

p-Chloro-a,a,a-trifluorotoluene

CAS Number: 98-56-6

Date Report Requested: 03/25/2016

Time Report Requested: 09:19:23

First Dose M/F: 01/31/11 / 01/31/11

Lab: BNW

ANIMAL ID: 29

TRT#: 1

SEX: Male

DAY ON TEST: 730

DOSE: Control

DISP: Terminal Sacrifice

HISTO: 63039

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

- * Mammary Gland

OBSERVATIONS

- | | | | |
|--------------------------|-------------------|----------------------------------|----------|
| * Kidney | | Nephropathy | Mild |
| * Liver | | Clear Cell Focus | |
| | | Hepatocellular Adenoma | Multiple |
| | | Mixed Cell Focus | |
| | | Multinucleated | Minimal |
| | Hepatocyte | | |
| [Hepatocellular Adenoma | TGLs = 1,2-7+14] | | |
| * Lung | | Alveolar/Bronchiolar Adenoma | |
| * Nose | Respirat Epith | Accumulation, Hyaline Droplet | Minimal |
| | Olfactory Epi | Accumulation, Hyaline Droplet | Minimal |
| * Spleen | | Hematopoietic Cell Proliferation | Minimal |
| * Thymus | | Atrophy | Minimal |

* PROTOCOL REQUIRED TISSUE

Experiment Number: 10472 - 04
Test Type: CHRONIC
Route: RESPIRATORY EXPOSURE WHOLE BODY
Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
p-Chloro-a,a,a-trifluorotoluene
CAS Number: 98-56-6

Date Report Requested: 03/25/2016
Time Report Requested: 09:19:23
First Dose M/F: 01/31/11 / 01/31/11
Lab: BNW

ANIMAL ID: 30

TRT#: 1

SEX: Male

DAY ON TEST: 730

DOSE: Control

DISP: Terminal Sacrifice

HISTO: 63040

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Mammary Gland

OBSERVATIONS

* Adrenal Cortex	Hypertrophy	Minimal
* Bone Marrow	Hyperplasia	Minimal
* Heart	Cardiomyopathy	Minimal
* Kidney	Nephropathy	Mild
* Liver	Clear Cell Focus	
	Hepatocellular Adenoma	Multiple
Note: Clear cell focus present in the non-mass oncogene section [Hepatocellular Adenoma TGLs = 1,2-7+14]		
* Preputial Gland	Inflammation	Minimal
* Thymus	Atrophy	Mild

Experiment Number: 10472 - 04
Test Type: CHRONIC
Route: RESPIRATORY EXPOSURE WHOLE BODY
Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 p-Chloro-a,a,a-trifluorotoluene
CAS Number: 98-56-6

Date Report Requested: 03/25/2016
Time Report Requested: 09:19:23
First Dose M/F: 01/31/11 / 01/31/11
Lab: BNW

ANIMAL ID: 31

TRT#: 1

SEX: Male

DAY ON TEST: 731

DOSE: Control

DISP: Terminal Sacrifice

HISTO: 63041

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	Blood Vessel	* Bone	* Brain
* Epididymis	* Esophagus	* Eye	* Gallbladder
* Harderian Gland	* Heart	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Larynx	* Lung	* Lymph Node, Bronchial	* Lymph Node, Mediastinal
* Nose	* Pancreas	* Pituitary Gland	* Preputial Gland
* Prostate	* Salivary Glands	* Seminal Vesicle	* Skin
* Stomach, Forestomach	* Stomach, Glandular	* Testes	* Thyroid Gland
* Trachea	* Urinary Bladder		

MISSING

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

* Adrenal Cortex	Hypertrophy	Minimal
* Bone Marrow	Hyperplasia	Minimal
* Intestine Small, Duodenum	Lymphoma Malignant	
[Lymphoma Malignant TGLs = 5-16]		
* Kidney	Nephropathy	Mild
* Liver	Hepatocellular Adenoma	Multiple
	Hepatocellular Carcinoma	
	Mixed Cell Focus	
[Hepatocellular Adenoma TGLs = 2,3-6+7]		
[Hepatocellular Carcinoma TGLs = 1-15]		
* Lung		
Note: TGLS 6 = NCL		
* Lymph Node, Mesenteric	Lymphoma Malignant	
[Lymphoma Malignant TGLs = 4-15]		
* Spleen	Hematopoietic Cell Proliferation	Mild
* Thymus	Atrophy	Mild

* PROTOCOL REQUIRED TISSUE

Experiment Number: 10472 - 04
 Test Type: CHRONIC
 Route: RESPIRATORY EXPOSURE WHOLE BODY
 Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 p-Chloro-a,a,a-trifluorotoluene
 CAS Number: 98-56-6

Date Report Requested: 03/25/2016
 Time Report Requested: 09:19:23
 First Dose M/F: 01/31/11 / 01/31/11
 Lab: BNW

ANIMAL ID: 32

TRT#: 1

SEX: Male

DAY ON TEST: 729

DOSE: Control

DISP: Terminal Sacrifice

HISTO: 63042

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

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

OBSERVATIONS

- | | | | |
|----------|--|------------------------|---------|
| * Heart | | Inflammation | Minimal |
| * Kidney | | Nephropathy | Mild |
| * Liver | | Eosinophilic Focus | |
| | | Hepatocellular Adenoma | |
| | | Mixed Cell Focus | |
| | [Hepatocellular Adenoma TGLs = 1-14] | | |
| | [Mixed Cell Focus TGLs = 2-6] | | |
| * Lung | | | |
| | Note: TGLS 3 = NCL | | |
| * Spleen | Lymph Follic | Hyperplasia | Minimal |
| * Testes | Germinal Epith | Degeneration | Minimal |
| * Thymus | | Atrophy | Mild |

* PROTOCOL REQUIRED TISSUE

Experiment Number: 10472 - 04
 Test Type: CHRONIC
 Route: RESPIRATORY EXPOSURE WHOLE BODY
 Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 p-Chloro-a,a,a-trifluorotoluene
 CAS Number: 98-56-6

Date Report Requested: 03/25/2016
 Time Report Requested: 09:19:23
 First Dose M/F: 01/31/11 / 01/31/11
 Lab: BNW

ANIMAL ID: 33

TRT#: 1

SEX: Male

DAY ON TEST: 730

DOSE: Control

DISP: Terminal Sacrifice

HISTO: 63043

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Mammary Gland

OBSERVATIONS

* Adrenal Cortex		Hypertrophy	Minimal
* Bone Marrow		Hyperplasia	Minimal
* Epididymis		Exfoliated Germ Cell	Minimal
* Heart		Cardiomyopathy	Minimal
* Kidney		Nephropathy	Minimal
* Larynx	Squam Epithel	Hyperplasia	Minimal
* Liver		Clear Cell Focus	
		Mixed Cell Focus	
	[Mixed Cell Focus TGLs = 3,4-7+14]		
* Lymph Node, Bronchial		Hyperplasia	Lymphoid, Moderate
* Skin	Subcut Tiss	Hemangiosarcoma	
	[Hemangiosarcoma TGLs = 1-14]		
* Spleen		Hemangiosarcoma	
	[Hemangiosarcoma TGLs = 2-6]		
* Testes	Germinal Epith	Degeneration	Mild
* Thymus		Atrophy	Minimal

* PROTOCOL REQUIRED TISSUE

Experiment Number: 10472 - 04
 Test Type: CHRONIC
 Route: RESPIRATORY EXPOSURE WHOLE BODY
 Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 p-Chloro-a,a,a-trifluorotoluene
 CAS Number: 98-56-6

Date Report Requested: 03/25/2016
 Time Report Requested: 09:19:23
 First Dose M/F: 01/31/11 / 01/31/11
 Lab: BNW

ANIMAL ID: 34

TRT#: 1

SEX: Male

DAY ON TEST: 729

DOSE: Control

DISP: Terminal Sacrifice

HISTO: 63044

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	Blood Vessel	* Bone	* Brain
* Epididymis	* Esophagus	* Eye	* Gallbladder
* Harderian Gland	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Kidney	* Larynx	* Lymph Node, Bronchial	* Lymph Node, Mediastinal
* Lymph Node, Mesenteric	* Nose	* Pancreas	* Pituitary Gland
* Preputial Gland	* Prostate	* Salivary Glands	* Seminal Vesicle
* Skin	* Spleen	* Stomach, Forestomach	* Stomach, Glandular
* Thymus	* Thyroid Gland	* Trachea	* Urinary Bladder

MISSING

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

* Adrenal Cortex	Hypertrophy	Minimal
* Bone Marrow	Hyperplasia	Minimal
* Heart	Cardiomyopathy	Minimal
* Liver	Clear Cell Focus	
	Eosinophilic Focus	
	Hepatocellular Adenoma	Multiple
	Hepatocellular Carcinoma	
	[Eosinophilic Focus TGLs = 5-6]	
	[Hepatocellular Adenoma TGLs = 2,3,4-7+15+17]	
	[Hepatocellular Carcinoma TGLs = 1-14]	
* Lung	Alveolar/Bronchiolar Adenoma	
* Testes	Germinal Epith Degeneration	Minimal

* PROTOCOL REQUIRED TISSUE

Experiment Number: 10472 - 04
 Test Type: CHRONIC
 Route: RESPIRATORY EXPOSURE WHOLE BODY
 Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 p-Chloro-a,a,a-trifluorotoluene
 CAS Number: 98-56-6

Date Report Requested: 03/25/2016
 Time Report Requested: 09:19:23
 First Dose M/F: 01/31/11 / 01/31/11
 Lab: BNW

ANIMAL ID: 35

TRT#: 1

SEX: Male

DAY ON TEST: 729

DOSE: Control

DISP: Terminal Sacrifice

HISTO: 63045

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Lymph Node, Mandibular	* Mammary Gland
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OBSERVATIONS

* Adrenal Cortex		Hypertrophy	Minimal
* Liver		Clear Cell Focus	
		Hepatocellular Adenoma	Multiple
		Mixed Cell Focus	
	[Hepatocellular Adenoma TGLs = 1-7+14]		
	[Mixed Cell Focus TGLs = 2-7]		
* Lung		Alveolar/Bronchiolar Adenoma	Multiple
	[Alveolar/Bronchiolar Adenoma TGLs = 3,4-5]		
* Spleen	Lymph Follic	Hyperplasia	Minimal
* Thymus		Ectopic Parathyroid Gland	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 10472 - 04
 Test Type: CHRONIC
 Route: RESPIRATORY EXPOSURE WHOLE BODY
 Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 p-Chloro-a,a,a-trifluorotoluene
 CAS Number: 98-56-6

Date Report Requested: 03/25/2016
 Time Report Requested: 09:19:23
 First Dose M/F: 01/31/11 / 01/31/11
 Lab: BNW

ANIMAL ID: 36

TRT#: 1

SEX: Male

DAY ON TEST: 730

DOSE: Control

DISP: Terminal Sacrifice

HISTO: 63046

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- | | | | |
|---------------------------|-----------------------------|--------------------------|----------------------------|
| * Adrenal Cortex | * Adrenal Medulla | Blood Vessel | * 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, Bronchial |
| * Lymph Node, Mandibular | * Lymph Node, Mediastinal | * Lymph Node, Mesenteric | * Nose |
| * Pancreas | * Parathyroid Gland | * Pituitary Gland | * Preputial Gland |
| * Prostate | * Salivary Glands | * Seminal Vesicle | * Skin |
| * Stomach, Forestomach | * Stomach, Glandular | * Testes | * Thyroid Gland |
| * Trachea | * Urinary Bladder | | |

MISSING

- * Mammary Gland

OBSERVATIONS

- | | | | |
|-------------------|---------------------------------------|---------------------------|---------|
| * Eye | Cornea | Hyperplasia | Minimal |
| * Harderian Gland | | Adenoma | |
| | [Adenoma TGLs = 1-12] | | |
| * Kidney | | Nephropathy | Minimal |
| * Liver | | Eosinophilic Focus | |
| | [Hepatocellular Adenoma TGLs = 2-6] | Hepatocellular Adenoma | |
| * Spleen | Lymph Follic | Hyperplasia | Minimal |
| * Thymus | | Atrophy | Minimal |
| | | Ectopic Parathyroid Gland | |

Experiment Number: 10472 - 04
Test Type: CHRONIC
Route: RESPIRATORY EXPOSURE WHOLE BODY
Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
p-Chloro-a,a,a-trifluorotoluene
CAS Number: 98-56-6

Date Report Requested: 03/25/2016
Time Report Requested: 09:19:23
First Dose M/F: 01/31/11 / 01/31/11
Lab: BNW

ANIMAL ID: 37

TRT#: 1

SEX: Male

DAY ON TEST: 690

DOSE: Control

DISP: Moribund Sacrifice

HISTO: 63047

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	Blood Vessel	* Bone
* Esophagus	* Gallbladder	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Larynx	* Pituitary Gland	* Preputial Gland	* Salivary Glands
* Skin	* Testes	* Thyroid Gland	* Trachea
* Urinary Bladder			

MISSING

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

* Bone Marrow	Lymphoma Malignant
* Brain	Lymphoma Malignant
* Epididymis	Lymphoma Malignant
* Eye	Lymphoma Malignant
* Harderian Gland	Adenoma
* Heart	Lymphoma Malignant
* Intestine Small, Duodenum	Lymphoma Malignant
* Kidney	Lymphoma Malignant
[Lymphoma Malignant TGLs = 8-7]	
* Liver	Clear Cell Focus
	Hepatocellular Adenoma
	Lymphoma Malignant
[Clear Cell Focus TGLs = 4,6-6+7]	
[Hepatocellular Adenoma TGLs = 5-14]	
[Lymphoma Malignant TGLs = 2,3,5-6+7+14]	
* Lung	Lymphoma Malignant
Lymph Node	Lymphoma Malignant
	Lymphoma Malignant
	Lymphoma Malignant
[Lymphoma Malignant TGLs = 10-14]	
[Lymphoma Malignant TGLs = 11-16]	
* Lymph Node, Bronchial	Lymphoma Malignant

* PROTOCOL REQUIRED TISSUE

Experiment Number: 10472 - 04
Test Type: CHRONIC
Route: RESPIRATORY EXPOSURE WHOLE BODY
Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 p-Chloro-a,a,a-trifluorotoluene
CAS Number: 98-56-6

Date Report Requested: 03/25/2016
Time Report Requested: 09:19:23
First Dose M/F: 01/31/11 / 01/31/11
Lab: BNW

ANIMAL ID: 37

TRT#: 1

SEX: Male

DAY ON TEST: 690

DOSE: Control

DISP: Moribund Sacrifice

HISTO: 63047

ORGAN AND ACCOUNTABLE SITE STATUS

* Lymph Node, Mediastinal		Lymphoma Malignant	
[Lymphoma Malignant	TGLs = 1-4]		
* Lymph Node, Mesenteric		Lymphoma Malignant	
[Lymphoma Malignant	TGLs = 9-15]		
* Nose	Respirat Epith	Accumulation, Hyaline Droplet	Minimal
		Lymphoma Malignant	
* Pancreas		Lymphoma Malignant	
* Prostate		Lymphoma Malignant	
* Seminal Vesicle		Lymphoma Malignant	
* Spleen		Lymphoma Malignant	
[Lymphoma Malignant	TGLs = 7-6]		
* Stomach, Forestomach		Lymphoma Malignant	
		Mineralization	Minimal
* Stomach, Glandular		Lymphoma Malignant	
* Thymus		Lymphoma Malignant	

PRIMARY CAUSE OF DEATH - Lymph Node, Mesenteric Lymphoma Malignant

Experiment Number: 10472 - 04
 Test Type: CHRONIC
 Route: RESPIRATORY EXPOSURE WHOLE BODY
 Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 p-Chloro-a,a,a-trifluorotoluene
 CAS Number: 98-56-6

Date Report Requested: 03/25/2016
 Time Report Requested: 09:19:23
 First Dose M/F: 01/31/11 / 01/31/11
 Lab: BNW

ANIMAL ID: 38

TRT#: 1

SEX: Male

DAY ON TEST: 730

DOSE: Control

DISP: Terminal Sacrifice

HISTO: 63048

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Lymph Node, Mandibular	* Mammary Gland
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OBSERVATIONS

* Adrenal Cortex		Hypertrophy	Minimal
* Bone Marrow		Lymphoma Malignant	
* Intestine Small, Duodenum		Lymphoma Malignant	
[Lymphoma Malignant	TGLs = 5-16]		
* Kidney		Nephropathy	Minimal
Lymph Node		Lymphoma Malignant	
	Pancreatic	Lymphoma Malignant	
	Renal		
[Lymphoma Malignant	TGLs = 3-7]		
* Lymph Node, Mediastinal		Lymphoma Malignant	
[Lymphoma Malignant	TGLs = 2-4]		
* Lymph Node, Mesenteric		Lymphoma Malignant	
[Lymphoma Malignant	TGLs = 4-15]		
* Spleen		Lymphoma Malignant	
[Lymphoma Malignant	TGLs = 1-6]		

* PROTOCOL REQUIRED TISSUE

Experiment Number: 10472 - 04
 Test Type: CHRONIC
 Route: RESPIRATORY EXPOSURE WHOLE BODY
 Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 p-Chloro-a,a,a-trifluorotoluene
 CAS Number: 98-56-6

Date Report Requested: 03/25/2016
 Time Report Requested: 09:19:23
 First Dose M/F: 01/31/11 / 01/31/11
 Lab: BNW

ANIMAL ID: 39

TRT#: 1

SEX: Male

DAY ON TEST: 723

DOSE: Control

DISP: Moribund Sacrifice

HISTO: 63049

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

- * Mammary Gland

OBSERVATIONS

- | | | | |
|--|----------------|-------------------------------|------------------------------|
| * Brain | | Schwannoma Malignant | Metastatic (Pituitary Gland) |
| * Islets, Pancreatic | | Hyperplasia | Minimal |
| * Kidney | | Nephropathy | Minimal |
| * Liver | | Inflammation | Minimal |
| | Hepatocyte | Necrosis | Minimal |
| Note: Inflammation is present in the section of "oncogene normal tissue", slide 14 | | | |
| * Lung | | Alveolar/Bronchiolar Adenoma | |
| * Nose | Respirat Epith | Accumulation, Hyaline Droplet | Mild |
| | Olfactory Epi | Accumulation, Hyaline Droplet | Mild |
| * Pituitary Gland | Pars Intermed | Schwannoma Malignant | |

PRIMARY CAUSE OF DEATH - Pituitary Gland Pars Intermed Schwannoma Malignant

* PROTOCOL REQUIRED TISSUE

Experiment Number: 10472 - 04
Test Type: CHRONIC
Route: RESPIRATORY EXPOSURE WHOLE BODY
Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
p-Chloro-a,a,a-trifluorotoluene
CAS Number: 98-56-6

Date Report Requested: 03/25/2016
Time Report Requested: 09:19:23
First Dose M/F: 01/31/11 / 01/31/11
Lab: BNW

ANIMAL ID: 40

TRT#: 1

SEX: Male

DAY ON TEST: 729

DOSE: Control

DISP: Terminal Sacrifice

HISTO: 63050

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	Blood Vessel	* Bone	* Bone Marrow
* Brain	* Epididymis	* Esophagus	* Eye
* Gallbladder	* Harderian Gland	* Heart	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Larynx	* Lymph Node, Bronchial
* Lymph Node, Mandibular	* Lymph Node, Mediastinal	* Lymph Node, Mesenteric	* 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

* Mammary Gland	* Parathyroid Gland
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OBSERVATIONS

* Adrenal Cortex	Hyperplasia	Minimal
* Kidney	Nephropathy	Minimal
* Liver	Basophilic Focus	
	Clear Cell Focus	
	Hepatocellular Adenoma	
[Basophilic Focus TGLs = 2-16]		
[Hepatocellular Adenoma TGLs = 1-14]		
* Lung	Hemorrhage	Minimal
[Hemorrhage TGLs = 3-5]		

Experiment Number: 10472 - 04
 Test Type: CHRONIC
 Route: RESPIRATORY EXPOSURE WHOLE BODY
 Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 p-Chloro-a,a,a-trifluorotoluene
 CAS Number: 98-56-6

Date Report Requested: 03/25/2016
 Time Report Requested: 09:19:23
 First Dose M/F: 01/31/11 / 01/31/11
 Lab: BNW

ANIMAL ID: 41

TRT#: 1

SEX: Male

DAY ON TEST: 612

DOSE: Control

DISP: Moribund Sacrifice

HISTO: 63051

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Lymph Node, Mandibular	* Mammary Gland
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OBSERVATIONS

* Adrenal Cortex		Hypertrophy	Minimal
* Bone Marrow		Lymphoma Malignant	
* Intestine Small, Duodenum		Lymphoma Malignant	
[Lymphoma Malignant	TGLs = 8-16]		
* Intestine Small, Jejunum		Lymphoma Malignant	
[Lymphoma Malignant	TGLs = 9-17]		
* Liver		Inflammation	Minimal
	Hepatocyte	Necrosis	Minimal
* Lung		Lymphoma Malignant	
[Lymphoma Malignant	TGLs = 6-5]		
Lymph Node	Renal	Lymphoma Malignant	
[Lymphoma Malignant	TGLs = 7-15]		
* Lymph Node, Mediastinal		Lymphoma Malignant	
[Lymphoma Malignant	TGLs = 4,5-4+7]		
* Lymph Node, Mesenteric		Lymphoma Malignant	
[Lymphoma Malignant	TGLs = 10-14]		
* Spleen		Hematopoietic Cell Proliferation	Mild
		Lymphoma Malignant	
* Stomach, Glandular		Lymphoma Malignant	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 10472 - 04
Test Type: CHRONIC
Route: RESPIRATORY EXPOSURE WHOLE BODY
Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
p-Chloro-a,a,a-trifluorotoluene
CAS Number: 98-56-6

Date Report Requested: 03/25/2016
Time Report Requested: 09:19:23
First Dose M/F: 01/31/11 / 01/31/11
Lab: BNW

ANIMAL ID: 41

TRT#: 1

SEX: Male

DAY ON TEST: 612

DOSE: Control

DISP: Moribund Sacrifice

HISTO: 63051

ORGAN AND ACCOUNTABLE SITE STATUS

* Thymus

Lymphoma Malignant

[Lymphoma Malignant TGLs = 3-4]

PRIMARY CAUSE OF DEATH

- Lymph Node, Mesenteric Lymphoma Malignant

Experiment Number: 10472 - 04
Test Type: CHRONIC
Route: RESPIRATORY EXPOSURE WHOLE BODY
Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
p-Chloro-a,a,a-trifluorotoluene
CAS Number: 98-56-6

Date Report Requested: 03/25/2016
Time Report Requested: 09:19:23
First Dose M/F: 01/31/11 / 01/31/11
Lab: BNW

ANIMAL ID: 42

TRT#: 1

SEX: Male

DAY ON TEST: 729

DOSE: Control

DISP: Terminal Sacrifice

HISTO: 63052

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Mammary Gland

OBSERVATIONS

* Adrenal Cortex		Hypertrophy	Mild
* Bone		Fibro-Osseous Lesion	Minimal
* Kidney		Nephropathy	Minimal
* Liver		Eosinophilic Focus	
	[Eosinophilic Focus TGLs = 1,2-6+7]		
* Lung	Alveolar Epith	Hyperplasia	Minimal
* Nose	Respirat Epith	Accumulation, Hyaline Droplet	Minimal
* Thymus		Atrophy	Minimal

Experiment Number: 10472 - 04
 Test Type: CHRONIC
 Route: RESPIRATORY EXPOSURE WHOLE BODY
 Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 p-Chloro-a,a,a-trifluorotoluene
 CAS Number: 98-56-6

Date Report Requested: 03/25/2016
 Time Report Requested: 09:19:23
 First Dose M/F: 01/31/11 / 01/31/11
 Lab: BNW

ANIMAL ID: 43

TRT#: 1

SEX: Male

DAY ON TEST: 729

DOSE: Control

DISP: Terminal Sacrifice

HISTO: 63053

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Mammary Gland	* Parathyroid Gland
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OBSERVATIONS

* Bone Marrow		Hyperplasia	Minimal
* Harderian Gland		Hyperplasia	Mild
* Kidney		Nephropathy	Minimal
* Liver		Clear Cell Focus	
	[Hepatocellular Adenoma TGLs = 2,3-6]	Hepatocellular Adenoma	Multiple
* Lung		Alveolar/Bronchiolar Adenoma	
	[Alveolar/Bronchiolar Adenoma TGLs = 1-5]		
* Nose	Olfactory Epi	Accumulation, Hyaline Droplet	Minimal
	Respirat Epith	Accumulation, Hyaline Droplet	Minimal
* Skin	Subcut Tiss	Fibrous Histiocytoma	

Experiment Number: 10472 - 04
Test Type: CHRONIC
Route: RESPIRATORY EXPOSURE WHOLE BODY
Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
p-Chloro-a,a,a-trifluorotoluene
CAS Number: 98-56-6

Date Report Requested: 03/25/2016
Time Report Requested: 09:19:23
First Dose M/F: 01/31/11 / 01/31/11
Lab: BNW

ANIMAL ID: 44

TRT#: 1

SEX: Male

DAY ON TEST: 729

DOSE: Control

DISP: Terminal Sacrifice

HISTO: 63054

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Lymph Node, Mandibular	* Mammary Gland
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OBSERVATIONS

* Adrenal Cortex	Hypertrophy	Mild
* Bone Marrow	Hyperplasia	Minimal
* Liver	Basophilic Focus	
	Lymphoma Malignant	
[Basophilic Focus TGLs = 1-6]		
[Lymphoma Malignant TGLs = 2-7]		
* Lung	Alveolar/Bronchiolar Adenoma	
* Lymph Node, Mesenteric	Lymphoma Malignant	
[Lymphoma Malignant TGLs = 3-14]		
* Thymus	Ectopic Parathyroid Gland	

Experiment Number: 10472 - 04
Test Type: CHRONIC
Route: RESPIRATORY EXPOSURE WHOLE BODY
Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
p-Chloro-a,a,a-trifluorotoluene
CAS Number: 98-56-6

Date Report Requested: 03/25/2016
Time Report Requested: 09:19:23
First Dose M/F: 01/31/11 / 01/31/11
Lab: BNW

ANIMAL ID: 45

TRT#: 1

SEX: Male

DAY ON TEST: 730

DOSE: Control

DISP: Terminal Sacrifice

HISTO: 63055

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	Blood Vessel	* Bone
* Brain	* Epididymis	* Esophagus	* Eye
* Gallbladder	* Harderian Gland	* Heart	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Larynx	* Lung
* Lymph Node, Bronchial	* Lymph Node, Mediastinal	* Lymph Node, Mesenteric	* 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

* Mammary Gland	* Parathyroid Gland
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OBSERVATIONS

* Bone Marrow	Hyperplasia	Minimal
* Kidney	Nephropathy	Minimal
* Liver	Hepatocellular Adenoma	
[Hepatocellular Adenoma TGLs = 2-7]		
* Lymph Node, Mandibular	Hyperplasia	Lymphoid, Mild
Tongue	Squamous Cell Papilloma	
[Squamous Cell Papilloma TGLs = 1-14]		

Experiment Number: 10472 - 04
 Test Type: CHRONIC
 Route: RESPIRATORY EXPOSURE WHOLE BODY
 Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 p-Chloro-a,a,a-trifluorotoluene
 CAS Number: 98-56-6

Date Report Requested: 03/25/2016
 Time Report Requested: 09:19:23
 First Dose M/F: 01/31/11 / 01/31/11
 Lab: BNW

ANIMAL ID: 46

TRT#: 1

SEX: Male

DAY ON TEST: 730

DOSE: Control

DISP: Terminal Sacrifice

HISTO: 63056

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Lymph Node, Mandibular	* Mammary Gland
--------------------------	-----------------

OBSERVATIONS

* Adrenal Cortex	Hypertrophy	Minimal
* Kidney	Infarct	Minimal
	Nephropathy	Mild
* Liver	Clear Cell Focus	
	Hepatocellular Adenoma	
	Mixed Cell Focus	
	[Hepatocellular Adenoma TGLs = 2-7]	
	[Mixed Cell Focus TGLs = 1-6]	
* Lung	Alveolar/Bronchiolar Adenoma	Multiple
	[Alveolar/Bronchiolar Adenoma TGLs = 3,4-5]	
* Thymus	Ectopic Parathyroid Gland	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 10472 - 04
Test Type: CHRONIC
Route: RESPIRATORY EXPOSURE WHOLE BODY
Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
p-Chloro-a,a,a-trifluorotoluene
CAS Number: 98-56-6

Date Report Requested: 03/25/2016
Time Report Requested: 09:19:23
First Dose M/F: 01/31/11 / 01/31/11
Lab: BNW

ANIMAL ID: 47

TRT#: 1

SEX: Male

DAY ON TEST: 731

DOSE: Control

DISP: Terminal Sacrifice

HISTO: 63057

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Mammary Gland

OBSERVATIONS

* Bone Marrow	Hyperplasia	Minimal
* Kidney	Nephropathy	Minimal
* Liver	Inflammation	Minimal
	Regeneration	Minimal
* Lung	Alveolar/Bronchiolar Carcinoma	Multiple

[Alveolar/Bronchiolar Carcinoma TGLs = 1,2-5]

Experiment Number: 10472 - 04
 Test Type: CHRONIC
 Route: RESPIRATORY EXPOSURE WHOLE BODY
 Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 p-Chloro-a,a,a-trifluorotoluene
 CAS Number: 98-56-6

Date Report Requested: 03/25/2016
 Time Report Requested: 09:19:23
 First Dose M/F: 01/31/11 / 01/31/11
 Lab: BNW

ANIMAL ID: 48

TRT#: 1

SEX: Male

DAY ON TEST: 640

DOSE: Control

DISP: Moribund Sacrifice

HISTO: 63058

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	Blood Vessel	* Bone
* Brain	* Esophagus	* Eye	* Gallbladder
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Lymph Node, Mandibular	* Lymph Node, Mesenteric
* Parathyroid Gland	* Pituitary Gland	* Preputial Gland	* Salivary Glands
* Skin	* Thyroid Gland	* Trachea	* Urinary Bladder

OBSERVATIONS

* Bone Marrow		Hyperplasia	Minimal
* Epididymis		Granuloma Sperm	Mild
* Harderian Gland		Adenoma	
* Heart		Hepatocholangiocarcinoma	Metastatic (Liver)
* Intestine Large, Cecum		Hepatocholangiocarcinoma	Metastatic (Liver)
* Kidney		Hepatocholangiocarcinoma	Metastatic (Liver)
		Nephropathy	Minimal
	[Hepatocholangiocarcinoma TGLs = 8-7]		
* Larynx	Squam Epithel	Hyperplasia	Minimal
* Liver		Hepatocholangiocarcinoma	
		Regeneration	Minimal
	[Hepatocholangiocarcinoma TGLs = 9-6]		
* Lung		Adenocarcinoma	Metastatic (Mammary Gland)
		Hepatocholangiocarcinoma	Metastatic (Liver)
	[Adenocarcinoma TGLs = 2,3,4,5,6,7-5]		
* Lymph Node, Bronchial		Hepatocholangiocarcinoma	Metastatic (Liver)
* Lymph Node, Mediastinal		Hepatocholangiocarcinoma	Metastatic (Liver)
* Mammary Gland		Adenocarcinoma	
	[Adenocarcinoma TGLs = 1-15]		
Mesentery		Hepatocholangiocarcinoma	Metastatic (Liver)
	[Hepatocholangiocarcinoma TGLs = 10-14]		
* Nose	Respirat Epith	Accumulation, Hyaline Droplet	Minimal
* Pancreas		Hepatocholangiocarcinoma	Metastatic (Liver)

* PROTOCOL REQUIRED TISSUE

Experiment Number: 10472 - 04
Test Type: CHRONIC
Route: RESPIRATORY EXPOSURE WHOLE BODY
Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

p-Chloro-a,a,a-trifluorotoluene

CAS Number: 98-56-6

Date Report Requested: 03/25/2016

Time Report Requested: 09:19:23

First Dose M/F: 01/31/11 / 01/31/11

Lab: BNW

ANIMAL ID: 48

TRT#: 1

SEX: Male

DAY ON TEST: 640

DOSE: Control

DISP: Moribund Sacrifice

HISTO: 63058

ORGAN AND ACCOUNTABLE SITE STATUS

* Prostate		Hepatocholangiocarcinoma	Metastatic (Liver)
* Seminal Vesicle		Hepatocholangiocarcinoma	Metastatic (Liver)
* Spleen		Hematopoietic Cell Proliferation	Minimal
* Stomach, Forestomach		Adenocarcinoma	Metastatic (Mammary Gland)
* Stomach, Glandular		Hepatocholangiocarcinoma	Metastatic (Liver)
* Testes	Germinal Epith	Degeneration	Mild
* Thymus		Hepatocholangiocarcinoma	Metastatic (Liver)

PRIMARY CAUSE OF DEATH - Liver Hepatocholangiocarcinoma

Experiment Number: 10472 - 04
 Test Type: CHRONIC
 Route: RESPIRATORY EXPOSURE WHOLE BODY
 Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 p-Chloro-a,a,a-trifluorotoluene
 CAS Number: 98-56-6

Date Report Requested: 03/25/2016
 Time Report Requested: 09:19:23
 First Dose M/F: 01/31/11 / 01/31/11
 Lab: BNW

ANIMAL ID: 49

TRT#: 1

SEX: Male

DAY ON TEST: 731

DOSE: Control

DISP: Terminal Sacrifice

HISTO: 63059

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Mammary Gland

OBSERVATIONS

* Adrenal Cortex		Hypertrophy	Minimal
* Bone Marrow		Hyperplasia	Minimal
* Kidney		Nephropathy	Mild
* Liver		Hepatocellular Adenoma	
		Hepatocellular Carcinoma	
	[Hepatocellular Adenoma TGLs = 2-7]		
	[Hepatocellular Carcinoma TGLs = 1-6+14]		
* Lung		Hepatocellular Carcinoma	Metastatic (Liver)
* Lymph Node, Mesenteric		Hepatocellular Carcinoma	Metastatic (Liver)
		Hyperplasia	Lymphoid, Minimal
	[Hyperplasia TGLs = 3-8]		
* Spleen		Hematopoietic Cell Proliferation	Mild
* Thymus		Atrophy	Mild
		Ectopic Parathyroid Gland	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 10472 - 04
 Test Type: CHRONIC
 Route: RESPIRATORY EXPOSURE WHOLE BODY
 Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 p-Chloro-a,a,a-trifluorotoluene
 CAS Number: 98-56-6

Date Report Requested: 03/25/2016
 Time Report Requested: 09:19:23
 First Dose M/F: 01/31/11 / 01/31/11
 Lab: BNW

ANIMAL ID: 50

TRT#: 1

SEX: Male

DAY ON TEST: 591

DOSE: Control

DISP: Natural Death

HISTO: 63060

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Brain	* Esophagus	* Eye	* Gallbladder
* Harderian Gland	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Larynx	* Lymph Node, Mandibular	* Nose	* Parathyroid Gland
* Pituitary Gland	* Preputial Gland	* Salivary Glands	* Testes
* Thyroid Gland	* Trachea		

MISSING

* Mammary Gland

OBSERVATIONS

Blood Vessel	Aorta	Hepatoblastoma	Metastatic (Liver)
* Epididymis		Hepatoblastoma	Metastatic (Liver)
* Heart		Hepatoblastoma	Metastatic (Liver)
	[Hepatoblastoma TGLs = 2,3-13]		
* Kidney		Hepatoblastoma	Metastatic (Liver)
		Nephropathy	Mild
* Liver		Basophilic Focus	
		Hepatoblastoma	
		Hepatocholangiocarcinoma	
		Rhabdomyosarcoma	Metastatic (Skeletal Muscle)
	[Hepatoblastoma TGLs = 9,10,11,12,13-6+14+15+16+17]		
	[Hepatocholangiocarcinoma TGLs = 8-6]		
* Lung		Hepatoblastoma	Metastatic (Liver)
* Lymph Node, Bronchial		Hepatoblastoma	Metastatic (Liver)
* Lymph Node, Mediastinal		Hepatoblastoma	Metastatic (Liver)
* Lymph Node, Mesenteric		Hepatocholangiocarcinoma	Metastatic (Liver)
Mesentery		Hepatocholangiocarcinoma	Metastatic (Liver)
	[Hepatocholangiocarcinoma TGLs = 5-14]		
* Pancreas		Hepatoblastoma	Metastatic (Liver)
* Prostate		Inflammation	Minimal

* PROTOCOL REQUIRED TISSUE

Experiment Number: 10472 - 04
Test Type: CHRONIC
Route: RESPIRATORY EXPOSURE WHOLE BODY
Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 p-Chloro-a,a,a-trifluorotoluene
CAS Number: 98-56-6

Date Report Requested: 03/25/2016
Time Report Requested: 09:19:23
First Dose M/F: 01/31/11 / 01/31/11
Lab: BNW

ANIMAL ID: 50

TRT#: 1

SEX: Male

DAY ON TEST: 591

DOSE: Control

DISP: Natural Death

HISTO: 63060

ORGAN AND ACCOUNTABLE SITE STATUS

* Seminal Vesicle		Hepatoblastoma	Metastatic (Liver)
Skeletal Muscle		Hepatoblastoma	Metastatic (Liver)
		Rhabdomyosarcoma	
Note: TGL#4 - c - Diaphragm			
		[Hepatoblastoma TGLs = 4-16]	
		[Rhabdomyosarcoma TGLs = 6-15]	
* Skin		Hepatocholangiocarcinoma	Metastatic (Liver)
		[Hepatocholangiocarcinoma TGLs = 7-17]	
* Spleen		Hepatoblastoma	Metastatic (Liver)
* Stomach, Forestomach		Inflammation	Minimal
		Mineralization	Minimal
	Epithelium	Ulcer	Minimal
* Stomach, Glandular		Hepatoblastoma	Metastatic (Liver)
* Thymus		Atrophy	Mild
		Ectopic Parathyroid Gland	
* Urinary Bladder		Hepatoblastoma	Metastatic (Liver)

PRIMARY CAUSE OF DEATH - Liver Hepatoblastoma

Experiment Number: 10472 - 04
 Test Type: CHRONIC
 Route: RESPIRATORY EXPOSURE WHOLE BODY
 Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 p-Chloro-a,a,a-trifluorotoluene
 CAS Number: 98-56-6

Date Report Requested: 03/25/2016
 Time Report Requested: 09:19:23
 First Dose M/F: 01/31/11 / 01/31/11
 Lab: BNW

ANIMAL ID: 201

TRT#: 3

SEX: Male

DAY ON TEST: 672

DOSE: 100 ppm

DISP: Natural Death

HISTO: 63311

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Lymph Node, Bronchial	* Mammary Gland
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OBSERVATIONS

* Adrenal Cortex		Hypertrophy	Minimal
* Bone Marrow		Hyperplasia	Minimal
* Heart		Cardiomyopathy	Minimal
* Larynx	Squam Epithel	Inflammation	Minimal
* Liver		Eosinophilic Focus	
		Hepatocellular Carcinoma	Multiple
	Centrilobular, Hepatocyte	Hypertrophy	Minimal
	Hepatocyte	Multinucleated	Minimal
	[Eosinophilic Focus TGLs = 8-15]		
	[Hepatocellular Carcinoma TGLs = 7,9,10-6+7+14]		
* Lung		Hepatocellular Carcinoma	Metastatic (Liver)
	Alv/Bron Epith	Hyperplasia	Minimal
	[Hepatocellular Carcinoma TGLs = 2,3,4,5,6-5]		
* Spleen		Hematopoietic Cell Proliferation	Minimal
* Testes	Germinal Epith	Degeneration	Minimal
* Thymus		Atrophy	Mild

PRIMARY CAUSE OF DEATH - Liver Hepatocellular Carcinoma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 10472 - 04
 Test Type: CHRONIC
 Route: RESPIRATORY EXPOSURE WHOLE BODY
 Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 p-Chloro-a,a,a-trifluorotoluene
 CAS Number: 98-56-6

Date Report Requested: 03/25/2016
 Time Report Requested: 09:19:23
 First Dose M/F: 01/31/11 / 01/31/11
 Lab: BNW

ANIMAL ID: 202

TRT#: 3

SEX: Male

DAY ON TEST: 729

DOSE: 100 ppm

DISP: Terminal Sacrifice

HISTO: 63312

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	Blood Vessel	* Bone	* Brain
* Epididymis	* Esophagus	* Eye	* Gallbladder
* Heart	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Larynx	* Lymph Node, Bronchial	* Lymph Node, Mandibular	* Lymph Node, Mediastinal
* Pancreas	* Pituitary Gland	* Prostate	* Salivary Glands
* Seminal Vesicle	* Skin	* Stomach, Glandular	* Testes
* Thymus	* Thyroid Gland	* Trachea	* Urinary Bladder

MISSING

* Mammary Gland	* Parathyroid Gland
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OBSERVATIONS

* Adrenal Cortex		Hypertrophy	Minimal
* Bone Marrow		Hyperplasia	Minimal
* Harderian Gland		Hyperplasia	Moderate
* Kidney		Nephropathy	Minimal
* Liver		Hepatocellular Adenoma	Multiple
	Centrilobular, Hepatocyte	Hypertrophy	Minimal
		Mixed Cell Focus	
	Hepatocyte	Multinucleated	Minimal
	[Hepatocellular Adenoma TGLs = 1,2-6+14]		
	[Mixed Cell Focus TGLs = 3,4-6+7]		
* Lung	Peribronchiolr	Fibrosis	Minimal
	Alv/Bron Epith	Hyperplasia	Mild
	Alveolar Epith	Hyperplasia	Minimal
		Inflammation	Minimal
* Lymph Node, Mesenteric		Hematopoietic Cell Proliferation	Minimal
	[Hematopoietic Cell Proliferation TGLs = 7-8]		
Mesentery	Fat	Necrosis	Minimal
	[Necrosis TGLs = 6-16]		
* Nose	Respirat Epith	Accumulation, Hyaline Droplet	Minimal

* PROTOCOL REQUIRED TISSUE

Experiment Number: 10472 - 04
Test Type: CHRONIC
Route: RESPIRATORY EXPOSURE WHOLE BODY
Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
p-Chloro-a,a,a-trifluorotoluene
CAS Number: 98-56-6

Date Report Requested: 03/25/2016
Time Report Requested: 09:19:23
First Dose M/F: 01/31/11 / 01/31/11
Lab: BNW

ANIMAL ID: 202

TRT#: 3

SEX: Male

DAY ON TEST: 729

DOSE: 100 ppm

DISP: Terminal Sacrifice

HISTO: 63312

ORGAN AND ACCOUNTABLE SITE STATUS

* Preputial Gland [Ectasia TGLs = 5-9]	Ectasia	Mild
* Spleen	Hematopoietic Cell Proliferation	Minimal
* Stomach, Forestomach	Inflammation	Minimal

Experiment Number: 10472 - 04
 Test Type: CHRONIC
 Route: RESPIRATORY EXPOSURE WHOLE BODY
 Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 p-Chloro-a,a,a-trifluorotoluene
 CAS Number: 98-56-6

Date Report Requested: 03/25/2016
 Time Report Requested: 09:19:23
 First Dose M/F: 01/31/11 / 01/31/11
 Lab: BNW

ANIMAL ID: 203

TRT#: 3

SEX: Male

DAY ON TEST: 729

DOSE: 100 ppm

DISP: Terminal Sacrifice

HISTO: 63313

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	Blood Vessel	* Bone	* Bone Marrow
* Brain	* Epididymis	* Esophagus	* Eye
* Gallbladder	* Harderian Gland	* Heart	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Lymph Node, Bronchial	* Lymph Node, Mandibular
* Lymph Node, Mediastinal	* Lymph Node, Mesenteric	* 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

* Mammary Gland	* Parathyroid Gland
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OBSERVATIONS

* Adrenal Cortex		Hypertrophy	Minimal
* Kidney		Nephropathy	Minimal
* Larynx	Squam Epithel	Hyperplasia	Minimal
* Liver		Clear Cell Focus	
		Hepatocellular Adenoma	Multiple
	Centrilobular, Hepatocyte	Hypertrophy	Minimal
		Intrahepatocellular Erythrocytes	Minimal
		Mixed Cell Focus	
* Lung	Peribronchiolr	Fibrosis	Minimal
	Alv/Bron Epith	Hyperplasia	Mild

[Clear Cell Focus TGLs = 3,4-6+15]
 [Hepatocellular Adenoma TGLs = 1,5-7+14]
 [Mixed Cell Focus TGLs = 2-6]

* PROTOCOL REQUIRED TISSUE

Experiment Number: 10472 - 04
Test Type: CHRONIC
Route: RESPIRATORY EXPOSURE WHOLE BODY
Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
p-Chloro-a,a,a-trifluorotoluene
CAS Number: 98-56-6

Date Report Requested: 03/25/2016
Time Report Requested: 09:19:23
First Dose M/F: 01/31/11 / 01/31/11
Lab: BNW

ANIMAL ID: 204

TRT#: 3

SEX: Male

DAY ON TEST: 730

DOSE: 100 ppm

DISP: Terminal Sacrifice

HISTO: 63314

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Mammary Gland	* Parathyroid Gland
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OBSERVATIONS

* Adrenal Cortex		Hypertrophy	Minimal
* Kidney		Nephropathy	Mild
* Liver		Clear Cell Focus	
[Clear Cell Focus TGLs = 1,2-6]			
* Lung	Peribronchiolr Alv/Bron Epith	Fibrosis Hyperplasia	Minimal Mild
* Seminal Vesicle		Dilatation	Minimal
[Dilatation TGLs = 3-10]			

Experiment Number: 10472 - 04
Test Type: CHRONIC
Route: RESPIRATORY EXPOSURE WHOLE BODY
Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 p-Chloro-a,a,a-trifluorotoluene
CAS Number: 98-56-6

Date Report Requested: 03/25/2016
Time Report Requested: 09:19:23
First Dose M/F: 01/31/11 / 01/31/11
Lab: BNW

ANIMAL ID: 205

TRT#: 3

SEX: Male

DAY ON TEST: 729

DOSE: 100 ppm

DISP: Terminal Sacrifice

HISTO: 63315

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Lymph Node, Mediastinal	* Mammary Gland
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OBSERVATIONS

* Epididymis		Exfoliated Germ Cell	Minimal
* Kidney		Nephropathy	Minimal
* Liver		Clear Cell Focus	
		Hepatocellular Adenoma	
	[Clear Cell Focus TGLs = 2-6]		
	[Hepatocellular Adenoma TGLs = 1-6]		
* Lung	Peribronchiolr	Fibrosis	Minimal
	Alv/Bron Epith	Hyperplasia	Mild

Experiment Number: 10472 - 04
 Test Type: CHRONIC
 Route: RESPIRATORY EXPOSURE WHOLE BODY
 Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 p-Chloro-a,a,a-trifluorotoluene
 CAS Number: 98-56-6

Date Report Requested: 03/25/2016
 Time Report Requested: 09:19:23
 First Dose M/F: 01/31/11 / 01/31/11
 Lab: BNW

ANIMAL ID: 206

TRT#: 3

SEX: Male

DAY ON TEST: 729

DOSE: 100 ppm

DISP: Terminal Sacrifice

HISTO: 63316

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Mammary Gland	* Parathyroid Gland
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OBSERVATIONS

* Kidney		Nephropathy	Minimal
* Liver		Clear Cell Focus	
		Hepatocellular Adenoma	
	Hepatocyte	Multinucleated	Minimal
[Hepatocellular Adenoma	TGLs = 1-14]		
* Lung		Alveolar/Bronchiolar Adenoma	
	Peribronchiolr	Fibrosis	Minimal
	Alv/Bron Epith	Hyperplasia	Mild
* Spleen	Lymph Follic	Hyperplasia	Minimal
* Stomach, Forestomach	Epithelium	Hyperplasia	Minimal
		Inflammation	Minimal

* PROTOCOL REQUIRED TISSUE

Experiment Number: 10472 - 04
 Test Type: CHRONIC
 Route: RESPIRATORY EXPOSURE WHOLE BODY
 Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 p-Chloro-a,a,a-trifluorotoluene
 CAS Number: 98-56-6

Date Report Requested: 03/25/2016
 Time Report Requested: 09:19:23
 First Dose M/F: 01/31/11 / 01/31/11
 Lab: BNW

ANIMAL ID: 207

TRT#: 3

SEX: Male

DAY ON TEST: 730

DOSE: 100 ppm

DISP: Terminal Sacrifice

HISTO: 63317

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Mammary Gland

OBSERVATIONS

* Adrenal Cortex		Hypertrophy	Minimal
* Bone Marrow		Hyperplasia	Minimal
* Kidney		Nephropathy	Mild
* Liver		Clear Cell Focus	
		Hepatocellular Adenoma	Multiple
	[Clear Cell Focus TGLs = 3-7]		
	[Hepatocellular Adenoma TGLs = 1,2-6]		
* Lung		Alveolar/Bronchiolar Adenoma	
	Peribronchiolr	Fibrosis	Minimal
	Alv/Bron Epith	Hyperplasia	Mild
* Spleen		Hematopoietic Cell Proliferation	Minimal

* PROTOCOL REQUIRED TISSUE

Experiment Number: 10472 - 04
 Test Type: CHRONIC
 Route: RESPIRATORY EXPOSURE WHOLE BODY
 Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 p-Chloro-a,a,a-trifluorotoluene
 CAS Number: 98-56-6

Date Report Requested: 03/25/2016
 Time Report Requested: 09:19:23
 First Dose M/F: 01/31/11 / 01/31/11
 Lab: BNW

ANIMAL ID: 208

TRT#: 3

SEX: Male

DAY ON TEST: 731

DOSE: 100 ppm

DISP: Terminal Sacrifice

HISTO: 63318

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Mammary Gland

OBSERVATIONS

* Adrenal Cortex		Hypertrophy	Minimal
* Bone Marrow		Hyperplasia	Minimal
* Harderian Gland		Hyperplasia	Mild
* Kidney		Nephropathy	Minimal
* Liver		Basophilic Focus	
		Eosinophilic Focus	
[Eosinophilic Focus TGLs = 1-7]			
* Lung	Peribronchiolr	Fibrosis	Minimal
	Alv/Bron Epith	Hyperplasia	Mild
	Alveolus	Infiltration Cellular	Histiocyte, Minimal
[Infiltration Cellular TGLs = 2-5]			
* Stomach, Forestomach	Epithelium	Hyperplasia	Mild
		Inflammation	Minimal
* Thymus		Atrophy	Mild

* PROTOCOL REQUIRED TISSUE

Experiment Number: 10472 - 04
 Test Type: CHRONIC
 Route: RESPIRATORY EXPOSURE WHOLE BODY
 Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 p-Chloro-a,a,a-trifluorotoluene
 CAS Number: 98-56-6

Date Report Requested: 03/25/2016
 Time Report Requested: 09:19:23
 First Dose M/F: 01/31/11 / 01/31/11
 Lab: BNW

ANIMAL ID: 209

TRT#: 3

SEX: Male

DAY ON TEST: 729

DOSE: 100 ppm

DISP: Terminal Sacrifice

HISTO: 63319

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Mammary Gland

OBSERVATIONS

* Adrenal Cortex		Hypertrophy	Mild
* Bone Marrow		Atrophy	Mild
		Mast Cell Tumor Malignant	
Note: Extending from the joint space and surrounding muscle into the marrow.			
* Heart		Cardiomyopathy	Minimal
* Intestine Large, Colon		Adenoma	
* Kidney		Cyst	
		Nephropathy	Minimal
	[Cyst TGLs = 4-7]		
* Liver		Hepatocellular Adenoma	Multiple
	[Hepatocellular Adenoma TGLs = 1,2,5-7+14+16]		
* Lung		Fibrosis	Minimal
	Peribronchiolr	Hyperplasia	Moderate
	Alv/Bron Epith		
Mesentery		Mast Cell Tumor Malignant	
	[Mast Cell Tumor Malignant TGLs = 6-17]		
Skeletal Muscle		Mast Cell Tumor Malignant	
* Spleen		Mast Cell Tumor Malignant	
	[Mast Cell Tumor Malignant TGLs = 3-6]		

* PROTOCOL REQUIRED TISSUE

Experiment Number: 10472 - 04
Test Type: CHRONIC
Route: RESPIRATORY EXPOSURE WHOLE BODY
Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
p-Chloro-a,a,a-trifluorotoluene
CAS Number: 98-56-6

Date Report Requested: 03/25/2016
Time Report Requested: 09:19:23
First Dose M/F: 01/31/11 / 01/31/11
Lab: BNW

ANIMAL ID: 209

TRT#: 3

SEX: Male

DAY ON TEST: 729

DOSE: 100 ppm

DISP: Terminal Sacrifice

HISTO: 63319

ORGAN AND ACCOUNTABLE SITE STATUS

* Stomach, Forestomach

Epithelium

Hyperplasia

Minimal

Experiment Number: 10472 - 04
Test Type: CHRONIC
Route: RESPIRATORY EXPOSURE WHOLE BODY
Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 p-Chloro-a,a,a-trifluorotoluene
CAS Number: 98-56-6

Date Report Requested: 03/25/2016
Time Report Requested: 09:19:23
First Dose M/F: 01/31/11 / 01/31/11
Lab: BNW

ANIMAL ID: 210

TRT#: 3

SEX: Male

DAY ON TEST: 730

DOSE: 100 ppm

DISP: Terminal Sacrifice

HISTO: 63320

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Lymph Node, Mandibular	* Mammary Gland
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OBSERVATIONS

* Adrenal Cortex		Hypertrophy	Minimal
* Islets, Pancreatic		Hyperplasia	Minimal
* Kidney		Nephropathy	Mild
* Liver		Hepatocholangiocarcinoma	
	[Hepatocholangiocarcinoma TGLs = 1-6]		
* Lung	Peribronchiolr	Fibrosis	Minimal
	Alv/Bron Epith	Hyperplasia	Mild

Experiment Number: 10472 - 04
 Test Type: CHRONIC
 Route: RESPIRATORY EXPOSURE WHOLE BODY
 Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 p-Chloro-a,a,a-trifluorotoluene
 CAS Number: 98-56-6

Date Report Requested: 03/25/2016
 Time Report Requested: 09:19:23
 First Dose M/F: 01/31/11 / 01/31/11
 Lab: BNW

ANIMAL ID: 211

TRT#: 3

SEX: Male

DAY ON TEST: 729

DOSE: 100 ppm

DISP: Terminal Sacrifice

HISTO: 63321

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Mammary Gland

OBSERVATIONS

* Adrenal Cortex		Hypertrophy	Minimal
* Bone Marrow		Hyperplasia	Minimal
* Harderian Gland		Adenoma	
* Heart		Cardiomyopathy	Minimal
* Kidney		Nephropathy	Minimal
* Liver		Hepatocellular Adenoma	
	[Hepatocellular Adenoma TGLs = 1-14]		
* Lung	Peribronchiolr	Fibrosis	Minimal
	Alv/Bron Epith	Hyperplasia	Mild

Experiment Number: 10472 - 04
Test Type: CHRONIC
Route: RESPIRATORY EXPOSURE WHOLE BODY
Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 p-Chloro-a,a,a-trifluorotoluene
CAS Number: 98-56-6

Date Report Requested: 03/25/2016
Time Report Requested: 09:19:23
First Dose M/F: 01/31/11 / 01/31/11
Lab: BNW

ANIMAL ID: 212

TRT#: 3

SEX: Male

DAY ON TEST: 729

DOSE: 100 ppm

DISP: Terminal Sacrifice

HISTO: 63322

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Mammary Gland

OBSERVATIONS

* Adrenal Cortex		Hypertrophy	Minimal
* Epididymis		Granuloma Sperm	Minimal
* Heart		Inflammation	Minimal
* Kidney		Infarct	Mild
		Nephropathy	Minimal
* Liver		Basophilic Focus	
		Eosinophilic Focus	
		Hepatocellular Adenoma	Multiple
	[Basophilic Focus TGLs = 2-7]		
	[Eosinophilic Focus TGLs = 3-6]		
	[Hepatocellular Adenoma TGLs = 1,4-6+14]		
* Lung	Peribronchiolr	Fibrosis	Minimal
	Alv/Bron Epith	Hyperplasia	Mild
* Testes	Germinal Epith	Degeneration	Minimal
* Thymus		Ectopic Parathyroid Gland	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 10472 - 04
 Test Type: CHRONIC
 Route: RESPIRATORY EXPOSURE WHOLE BODY
 Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 p-Chloro-a,a,a-trifluorotoluene
 CAS Number: 98-56-6

Date Report Requested: 03/25/2016
 Time Report Requested: 09:19:23
 First Dose M/F: 01/31/11 / 01/31/11
 Lab: BNW

ANIMAL ID: 213

TRT#: 3

SEX: Male

DAY ON TEST: 729

DOSE: 100 ppm

DISP: Terminal Sacrifice

HISTO: 63323

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Mammary Gland	* Parathyroid Gland
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OBSERVATIONS

* Adrenal Cortex		Hypertrophy	Minimal
* Bone Marrow		Hyperplasia	Minimal
* Kidney		Nephropathy	Minimal
* Liver		Basophilic Focus	
		Hepatocellular Adenoma	
	[Hepatocellular Adenoma TGLs = 1-14]		
* Lung	Peribronchiolr	Fibrosis	Minimal
	Alv/Bron Epith	Hyperplasia	Mild
* Nose	Olfactory Epi	Accumulation, Hyaline Droplet	Minimal
* Spleen	Lymph Follic	Hyperplasia	Minimal
* Thymus		Atrophy	Minimal

Experiment Number: 10472 - 04
 Test Type: CHRONIC
 Route: RESPIRATORY EXPOSURE WHOLE BODY
 Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 p-Chloro-a,a,a-trifluorotoluene
 CAS Number: 98-56-6

Date Report Requested: 03/25/2016
 Time Report Requested: 09:19:23
 First Dose M/F: 01/31/11 / 01/31/11
 Lab: BNW

ANIMAL ID: 214

TRT#: 3

SEX: Male

DAY ON TEST: 730

DOSE: 100 ppm

DISP: Terminal Sacrifice

HISTO: 63324

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	Blood Vessel	* Bone
* Brain	* Epididymis	* Esophagus	* Eye
* Gallbladder	* Harderian Gland	* Heart	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Larynx	* Lymph Node, Bronchial
* Lymph Node, Mandibular	* Lymph Node, Mediastinal	* Lymph Node, Mesenteric	* Pancreas
* Pituitary Gland	* 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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OBSERVATIONS

* Bone Marrow		Hyperplasia	Minimal
* Kidney		Nephropathy	Mild
* Liver		Hepatocellular Carcinoma	
	Centrilobular, Hepatocyte	Hypertrophy	Minimal
		Inflammation	Minimal
		Pigmentation	Mild
	[Hepatocellular Carcinoma TGLs = 2-14]		
* Lung		Hepatocellular Carcinoma	Metastatic (Liver)
	Alv/Bron Epith	Hyperplasia	Minimal
* Nose	Respirat Epith	Accumulation, Hyaline Droplet	Minimal
* Preputial Gland		Ectasia	Minimal
	[Ectasia TGLs = 1-9]		
* Spleen		Hematopoietic Cell Proliferation	Mild

* PROTOCOL REQUIRED TISSUE

Experiment Number: 10472 - 04
 Test Type: CHRONIC
 Route: RESPIRATORY EXPOSURE WHOLE BODY
 Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 p-Chloro-a,a,a-trifluorotoluene
 CAS Number: 98-56-6

Date Report Requested: 03/25/2016
 Time Report Requested: 09:19:23
 First Dose M/F: 01/31/11 / 01/31/11
 Lab: BNW

ANIMAL ID: 215

TRT#: 3

SEX: Male

DAY ON TEST: 729

DOSE: 100 ppm

DISP: Terminal Sacrifice

HISTO: 63325

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Mammary Gland

OBSERVATIONS

* Adrenal Cortex		Hypertrophy	Minimal
* Bone Marrow		Hyperplasia	Minimal
* Kidney		Infarct	Minimal
* Liver		Clear Cell Focus	
		Eosinophilic Focus	
		Hepatocellular Adenoma	Multiple
		Hepatocellular Carcinoma	
	Centrilobular, Hepatocyte	Hypertrophy	Minimal
		Mixed Cell Focus	
Note: Eosinophilic focus in slide 16 (non-mass frozen section)			
	[Hepatocellular Adenoma	TGLs = 2,3-6+15]	
	[Hepatocellular Carcinoma	TGLs = 1-14]	
* Lung		Alveolar/Bronchiolar Adenoma	
	Peribronchiolar	Fibrosis	Minimal
	Alv/Bron Epith	Hyperplasia	Mild
	[Alveolar/Bronchiolar Adenoma	TGLs = 4-5]	
* Spleen	Lymph Follic	Hyperplasia	Minimal

* PROTOCOL REQUIRED TISSUE

Experiment Number: 10472 - 04
Test Type: CHRONIC
Route: RESPIRATORY EXPOSURE WHOLE BODY
Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

p-Chloro-a,a,a-trifluorotoluene

CAS Number: 98-56-6

Date Report Requested: 03/25/2016

Time Report Requested: 09:19:23

First Dose M/F: 01/31/11 / 01/31/11

Lab: BNW

ANIMAL ID: 215

TRT#: 3

SEX: Male

DAY ON TEST: 729

DOSE: 100 ppm

DISP: Terminal Sacrifice

HISTO: 63325

ORGAN AND ACCOUNTABLE SITE STATUS

* Thymus

Atrophy

Minimal

Ectopic Parathyroid Gland

Experiment Number: 10472 - 04
Test Type: CHRONIC
Route: RESPIRATORY EXPOSURE WHOLE BODY
Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 p-Chloro-a,a,a-trifluorotoluene
CAS Number: 98-56-6

Date Report Requested: 03/25/2016
Time Report Requested: 09:19:23
First Dose M/F: 01/31/11 / 01/31/11
Lab: BNW

ANIMAL ID: 216

TRT#: 3

SEX: Male

DAY ON TEST: 730

DOSE: 100 ppm

DISP: Terminal Sacrifice

HISTO: 63326

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Mammary Gland

OBSERVATIONS

* Adrenal Cortex		Hypertrophy	Minimal
* Kidney		Nephropathy	Mild
* Larynx	Squam Epithel	Hyperplasia	Minimal
* Lung	Peribronchiolr	Fibrosis	Minimal
	Alv/Bron Epith	Hyperplasia	Moderate
* Skin	Subcut Tiss	Fibrous Histiocytoma	
	[Fibrous Histiocytoma TGLs = 1-15]		
* Thymus		Atrophy	Minimal

Experiment Number: 10472 - 04
 Test Type: CHRONIC
 Route: RESPIRATORY EXPOSURE WHOLE BODY
 Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 p-Chloro-a,a,a-trifluorotoluene
 CAS Number: 98-56-6

Date Report Requested: 03/25/2016
 Time Report Requested: 09:19:23
 First Dose M/F: 01/31/11 / 01/31/11
 Lab: BNW

ANIMAL ID: 217

TRT#: 3

SEX: Male

DAY ON TEST: 729

DOSE: 100 ppm

DISP: Terminal Sacrifice

HISTO: 63327

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Mammary Gland	* Parathyroid Gland
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OBSERVATIONS

* Adrenal Cortex		Hypertrophy	Minimal
* Kidney		Nephropathy	Minimal
* Larynx	Squam Epithel	Hyperplasia	Minimal
* Liver		Basophilic Focus	
		Clear Cell Focus	
		Hepatocellular Adenoma	Multiple
	Hepatocyte	Multinucleated	Minimal
[Hepatocellular Adenoma	TGLs = 1,2,3,4-6+14+15+16]		
* Lung	Peribronchiolr	Fibrosis	Minimal
	Alv/Bron Epith	Hyperplasia	Mild
* Lymph Node, Mesenteric		Hematopoietic Cell Proliferation	Minimal
* Thymus		Atrophy	Minimal

Experiment Number: 10472 - 04
 Test Type: CHRONIC
 Route: RESPIRATORY EXPOSURE WHOLE BODY
 Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 p-Chloro-a,a,a-trifluorotoluene
 CAS Number: 98-56-6

Date Report Requested: 03/25/2016
 Time Report Requested: 09:19:23
 First Dose M/F: 01/31/11 / 01/31/11
 Lab: BNW

ANIMAL ID: 218

TRT#: 3

SEX: Male

DAY ON TEST: 721

DOSE: 100 ppm

DISP: Natural Death

HISTO: 63328

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Mammary Gland

OBSERVATIONS

* Bone Marrow		Hyperplasia	Minimal
* Harderian Gland		Adenocarcinoma	
* Kidney		Metaplasia	Osseous, Minimal
* Larynx	Squam Epithel	Hyperplasia	Minimal
* Liver		Hepatocellular Adenoma	Multiple
	[Hepatocellular Adenoma TGLs = 1,2-6+7]		
* Lung	Alv/Bron Epith	Hyperplasia	Minimal
* Thymus		Atrophy	Minimal

PRIMARY CAUSE OF DEATH - Liver Hepatocellular Adenoma

Experiment Number: 10472 - 04
 Test Type: CHRONIC
 Route: RESPIRATORY EXPOSURE WHOLE BODY
 Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 p-Chloro-a,a,a-trifluorotoluene
 CAS Number: 98-56-6

Date Report Requested: 03/25/2016
 Time Report Requested: 09:19:23
 First Dose M/F: 01/31/11 / 01/31/11
 Lab: BNW

ANIMAL ID: 219

TRT#: 3

SEX: Male

DAY ON TEST: 729

DOSE: 100 ppm

DISP: Terminal Sacrifice

HISTO: 63329

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Mammary Gland	* Parathyroid Gland
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OBSERVATIONS

* Kidney		Infarct	Mild
* Liver		Eosinophilic Focus	
		Hepatocellular Adenoma	Multiple
		Hepatocellular Carcinoma	
		Multinucleated	Minimal
	Hepatocyte		
	[Hepatocellular Adenoma TGLs = 1,2,3-14+15+16]		
	[Hepatocellular Carcinoma TGLs = 4-17]		
* Lung	Peribronchiolr	Fibrosis	Minimal
	Alv/Bron Epith	Hyperplasia	Mild
* Lymph Node, Mesenteric		Hyperplasia	Lymphoid, Minimal
* Stomach, Forestomach	Epithelium	Hyperplasia	Minimal
		Inflammation	Minimal
* Thymus		Atrophy	Moderate

* PROTOCOL REQUIRED TISSUE

Experiment Number: 10472 - 04
 Test Type: CHRONIC
 Route: RESPIRATORY EXPOSURE WHOLE BODY
 Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 p-Chloro-a,a,a-trifluorotoluene
 CAS Number: 98-56-6

Date Report Requested: 03/25/2016
 Time Report Requested: 09:19:23
 First Dose M/F: 01/31/11 / 01/31/11
 Lab: BNW

ANIMAL ID: 220

TRT#: 3

SEX: Male

DAY ON TEST: 730

DOSE: 100 ppm

DISP: Terminal Sacrifice

HISTO: 63330

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Mammary Gland

OBSERVATIONS

* Bone Marrow		Hyperplasia	Minimal
* Kidney		Nephropathy	Mild
* Liver		Clear Cell Focus	
		Hepatocellular Carcinoma	
		Mixed Cell Focus	
	[Hepatocellular Carcinoma TGLs = 1-14]		
	[Mixed Cell Focus TGLs = 2-6]		
* Lung	Peribronchiolr	Fibrosis	Minimal
	Alv/Bron Epith	Hyperplasia	Mild
* Testes	Germinal Epith	Degeneration	Mild
* Thymus		Atrophy	Moderate

* PROTOCOL REQUIRED TISSUE

Experiment Number: 10472 - 04
 Test Type: CHRONIC
 Route: RESPIRATORY EXPOSURE WHOLE BODY
 Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 p-Chloro-a,a,a-trifluorotoluene
 CAS Number: 98-56-6

Date Report Requested: 03/25/2016
 Time Report Requested: 09:19:23
 First Dose M/F: 01/31/11 / 01/31/11
 Lab: BNW

ANIMAL ID: 221

TRT#: 3

SEX: Male

DAY ON TEST: 660

DOSE: 100 ppm

DISP: Moribund Sacrifice

HISTO: 63331

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Mammary Gland

OBSERVATIONS

* Gallbladder		Inflammation	Mild
	Epithelium	Vacuolization Cytoplasmic	Minimal
* Kidney		Nephropathy	Minimal
		Pigmentation	Minimal
* Liver		Hepatocellular Adenoma	Multiple
	Hepatocyte	Hepatocellular Carcinoma	Multiple
	[Hepatocellular Adenoma TGLs = 10,12-14+15]	Multinucleated	Minimal
	[Hepatocellular Carcinoma TGLs = 9,11-6+7]		
* Lung		Hepatocellular Carcinoma	Metastatic (Liver)
	[Hepatocellular Carcinoma TGLs = 2,3,4,5,6,7-5]		
* Lymph Node, Bronchial		Hepatocellular Carcinoma	Metastatic (Liver)
* Lymph Node, Mediastinal		Hepatocellular Carcinoma	Metastatic (Liver)
Mesentery		Hepatocellular Carcinoma	Metastatic (Liver)
	[Hepatocellular Carcinoma TGLs = 8-16]		
* Spleen		Hematopoietic Cell Proliferation	Mild
* Thymus		Ectopic Parathyroid Gland	

PRIMARY CAUSE OF DEATH - Liver Hepatocellular Carcinoma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 10472 - 04
 Test Type: CHRONIC
 Route: RESPIRATORY EXPOSURE WHOLE BODY
 Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 p-Chloro-a,a,a-trifluorotoluene
 CAS Number: 98-56-6

Date Report Requested: 03/25/2016
 Time Report Requested: 09:19:23
 First Dose M/F: 01/31/11 / 01/31/11
 Lab: BNW

ANIMAL ID: 222

TRT#: 3

SEX: Male

DAY ON TEST: 691

DOSE: 100 ppm

DISP: Moribund Sacrifice

HISTO: 63332

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Mammary Gland

OBSERVATIONS

* Bone Marrow		Lymphoma Malignant	
* Heart		Cardiomyopathy	Minimal
* Intestine Small, Jejunum		Lymphoma Malignant	
	[Lymphoma Malignant TGLs = 3-14]		
* Kidney		Nephropathy	Minimal
* Liver		Hepatocellular Carcinoma	
	Hepatocyte	Necrosis	Mild
	[Hepatocellular Carcinoma TGLs = 1-6]		
* Lung		Fibrosis	Minimal
	Peribronchiolr	Hyperplasia	Minimal
	Alv/Bron Epith		
* Lymph Node, Mesenteric		Lymphoma Malignant	
	[Lymphoma Malignant TGLs = 2-7]		
* Spleen		Hematopoietic Cell Proliferation	Minimal
* Thymus		Ectopic Parathyroid Gland	

PRIMARY CAUSE OF DEATH - Intestine Small, Jejunum Lymphoma Malignant

* PROTOCOL REQUIRED TISSUE

Experiment Number: 10472 - 04
 Test Type: CHRONIC
 Route: RESPIRATORY EXPOSURE WHOLE BODY
 Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 p-Chloro-a,a,a-trifluorotoluene
 CAS Number: 98-56-6

Date Report Requested: 03/25/2016
 Time Report Requested: 09:19:23
 First Dose M/F: 01/31/11 / 01/31/11
 Lab: BNW

ANIMAL ID: 223

TRT#: 3

SEX: Male

DAY ON TEST: 729

DOSE: 100 ppm

DISP: Terminal Sacrifice

HISTO: 63333

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	Blood Vessel	* Bone	* Bone Marrow
* Brain	* Epididymis	* Esophagus	* Eye
* Gallbladder	* Harderian Gland	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Kidney	* Larynx	* Lymph Node, Bronchial
* Lymph Node, Mandibular	* Lymph Node, Mediastinal	* Lymph Node, Mesenteric	* Mammary Gland
* Nose	* Pancreas	* Pituitary Gland	* Preputial Gland
* Prostate	* Salivary Glands	* Seminal Vesicle	* Skin
* Spleen	* Testes	* Thyroid Gland	* Trachea
* Urinary Bladder			

MISSING

* Parathyroid Gland

OBSERVATIONS

* Adrenal Cortex		Hypertrophy	Mild
* Heart		Cardiomyopathy	Minimal
* Liver		Clear Cell Focus	
		Hepatoblastoma	
		Mixed Cell Focus	
	[Hepatoblastoma TGLs = 1-14]		
	[Mixed Cell Focus TGLs = 2,3,4-6+7+16]		
* Lung		Alveolar/Bronchiolar Adenoma	
	Peribronchiolar	Fibrosis	Minimal
	Alv/Bron Epith	Hyperplasia	Mild
* Stomach, Forestomach	Epithelium	Hyperplasia	Minimal
		Inflammation	Minimal
* Stomach, Glandular		Mineralization	Minimal
* Thymus		Atrophy	Minimal

* PROTOCOL REQUIRED TISSUE

Experiment Number: 10472 - 04
 Test Type: CHRONIC
 Route: RESPIRATORY EXPOSURE WHOLE BODY
 Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 p-Chloro-a,a,a-trifluorotoluene
 CAS Number: 98-56-6

Date Report Requested: 03/25/2016
 Time Report Requested: 09:19:23
 First Dose M/F: 01/31/11 / 01/31/11
 Lab: BNW

ANIMAL ID: 224

TRT#: 3

SEX: Male

DAY ON TEST: 730

DOSE: 100 ppm

DISP: Terminal Sacrifice

HISTO: 63334

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Lymph Node, Mandibular	* Mammary Gland
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OBSERVATIONS

* Bone Marrow		Hyperplasia	Minimal
* Kidney		Nephropathy	Mild
* Liver		Eosinophilic Focus	
		Hepatocellular Adenoma	
		Hepatocellular Carcinoma	Multiple
		Mixed Cell Focus	
	[Hepatocellular Adenoma TGLs = 3-7]		
	[Hepatocellular Carcinoma TGLs = 1,2-6+14]		
* Lung		Alveolar/Bronchiolar Adenoma	
	Peribronchiolar	Fibrosis	Minimal
	Alv/Bron Epith	Hyperplasia	Mild
		Thrombosis	Minimal
* Spleen		Hematopoietic Cell Proliferation	Minimal
* Thymus		Ectopic Parathyroid Gland	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 10472 - 04
 Test Type: CHRONIC
 Route: RESPIRATORY EXPOSURE WHOLE BODY
 Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 p-Chloro-a,a,a-trifluorotoluene
 CAS Number: 98-56-6

Date Report Requested: 03/25/2016
 Time Report Requested: 09:19:23
 First Dose M/F: 01/31/11 / 01/31/11
 Lab: BNW

ANIMAL ID: 225

TRT#: 3

SEX: Male

DAY ON TEST: 531

DOSE: 100 ppm

DISP: Moribund Sacrifice

HISTO: 63335

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	Blood Vessel	* Bone
* Bone Marrow	* Brain	* Epididymis	* Esophagus
* Eye	* Gallbladder	* Harderian Gland	* Heart
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Larynx
* Lymph Node, Bronchial	* Lymph Node, Mediastinal	* Lymph Node, Mesenteric	* Pancreas
* Pituitary Gland	* Preputial Gland	* Prostate	* Salivary Glands
* Seminal Vesicle	* Skin	* Spleen	* Stomach, Glandular
* Thyroid Gland	* Trachea	* Urinary Bladder	

MISSING

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

* Kidney		Nephropathy	Mild
* Liver		Hepatocholangiocarcinoma	
[Hepatocholangiocarcinoma	TGLs = 1-6]		
* Lung	Peribronchiolr	Fibrosis	Minimal
		Hepatocholangiocarcinoma	Metastatic (Liver)
* Nose	Alv/Bron Epith	Hyperplasia	Minimal
	Respirat Epith	Accumulation, Hyaline Droplet	Minimal
* Stomach, Forestomach	Epithelium	Inflammation	Suppurative, Minimal
		Hyperplasia	Mild
		Inflammation	Mild
* Testes	Epithelium	Ulcer	Mild
	Germinal Epith	Degeneration	Minimal
* Thymus		Atrophy	Minimal

PRIMARY CAUSE OF DEATH - Liver Hepatocholangiocarcinoma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 10472 - 04
 Test Type: CHRONIC
 Route: RESPIRATORY EXPOSURE WHOLE BODY
 Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 p-Chloro-a,a,a-trifluorotoluene
 CAS Number: 98-56-6

Date Report Requested: 03/25/2016
 Time Report Requested: 09:19:23
 First Dose M/F: 01/31/11 / 01/31/11
 Lab: BNW

ANIMAL ID: 226

TRT#: 3

SEX: Male

DAY ON TEST: 730

DOSE: 100 ppm

DISP: Terminal Sacrifice

HISTO: 63336

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Mammary Gland

OBSERVATIONS

* Adrenal Cortex		Hypertrophy	Minimal
* Bone Marrow		Hyperplasia	Minimal
* Heart		Cardiomyopathy	Minimal
* Kidney		Nephropathy	Mild
* Liver		Hepatocellular Adenoma	Multiple
		Hepatocellular Carcinoma	
	[Hepatocellular Adenoma TGLs = 1,3-6+7]		
	[Hepatocellular Carcinoma TGLs = 2-6]		
* Lung	Peribronchiolr	Fibrosis	Minimal
	Alv/Bron Epith	Hyperplasia	Mild
* Nose	Olfactory Epi	Accumulation, Hyaline Droplet	Minimal
* Spleen		Hemangiosarcoma	
		Hematopoietic Cell Proliferation	Minimal
	[Hemangiosarcoma TGLs = 4-6]		
* Stomach, Forestomach		Inflammation	Minimal
* Testes	Germinal Epith	Degeneration	Minimal
* Thymus		Atrophy	Mild
		Ectopic Parathyroid Gland	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 10472 - 04
 Test Type: CHRONIC
 Route: RESPIRATORY EXPOSURE WHOLE BODY
 Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 p-Chloro-a,a,a-trifluorotoluene
 CAS Number: 98-56-6

Date Report Requested: 03/25/2016
 Time Report Requested: 09:19:23
 First Dose M/F: 01/31/11 / 01/31/11
 Lab: BNW

ANIMAL ID: 227

TRT#: 3

SEX: Male

DAY ON TEST: 730

DOSE: 100 ppm

DISP: Terminal Sacrifice

HISTO: 63337

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Mammary Gland

OBSERVATIONS

* Adrenal Cortex		Hypertrophy	Minimal
* Bone Marrow		Hyperplasia	Minimal
* Eye		Inflammation	Minimal
* Harderian Gland		Adenocarcinoma	
		Hyperplasia	Minimal
	[Adenocarcinoma TGLs = 4-12]		
* Heart		Cardiomyopathy	Minimal
* Kidney		Nephropathy	Minimal
* Liver		Mixed Cell Focus	
	[Mixed Cell Focus TGLs = 1,2,3-6+7+14]		
* Lung	Peribronchiolr	Fibrosis	Minimal
	Alv/Bron Epith	Hyperplasia	Minimal
* Spleen		Hematopoietic Cell Proliferation	Minimal
* Thymus		Atrophy	Moderate

* PROTOCOL REQUIRED TISSUE

Experiment Number: 10472 - 04
 Test Type: CHRONIC
 Route: RESPIRATORY EXPOSURE WHOLE BODY
 Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 p-Chloro-a,a,a-trifluorotoluene
 CAS Number: 98-56-6

Date Report Requested: 03/25/2016
 Time Report Requested: 09:19:23
 First Dose M/F: 01/31/11 / 01/31/11
 Lab: BNW

ANIMAL ID: 228

TRT#: 3

SEX: Male

DAY ON TEST: 698

DOSE: 100 ppm

DISP: Moribund Sacrifice

HISTO: 63338

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Mammary Gland	* Parathyroid Gland
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OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Minimal
* Bone Marrow		Hyperplasia	Minimal
* Epididymis		Exfoliated Germ Cell	Minimal
* Heart		Cardiomyopathy	Minimal
* Liver		Hepatocellular Adenoma	
* Lung		Alveolar/Bronchiolar Carcinoma	Multiple
	Peribronchiolr	Fibrosis	Minimal
	Alv/Bron Epith	Hyperplasia	Mild
	Alveolus	Infiltration Cellular	Histiocyte, Minimal
	[Alveolar/Bronchiolar Carcinoma TGLs = 1-5]		
* Lymph Node, Mediastinal		Alveolar/Bronchiolar Carcinoma	Metastatic (Lung)
* Spleen		Alveolar/Bronchiolar Carcinoma	Metastatic (Lung)
	[Alveolar/Bronchiolar Carcinoma TGLs = 2-6]		
* Stomach, Forestomach	Epithelium	Hyperplasia	Marked
		Inflammation	Mild
	[Hyperplasia TGLs = 3-10]		
* Thymus		Atrophy	Mild

PRIMARY CAUSE OF DEATH - Lung Alveolar/Bronchiolar Carcinoma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 10472 - 04
 Test Type: CHRONIC
 Route: RESPIRATORY EXPOSURE WHOLE BODY
 Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 p-Chloro-a,a,a-trifluorotoluene
 CAS Number: 98-56-6

Date Report Requested: 03/25/2016
 Time Report Requested: 09:19:23
 First Dose M/F: 01/31/11 / 01/31/11
 Lab: BNW

ANIMAL ID: 229

TRT#: 3

SEX: Male

DAY ON TEST: 731

DOSE: 100 ppm

DISP: Terminal Sacrifice

HISTO: 63339

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Gallbladder	* Lymph Node, Mandibular	* Mammary Gland	* Parathyroid Gland
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INSUFFICIENT TISSUE

* Lymph Node, Mediastinal	* Thymus
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OBSERVATIONS

* Adrenal Cortex	Hypertrophy	Minimal
* Bone Marrow	Hyperplasia	Minimal
* Harderian Gland	Adenoma	
* Kidney	Nephropathy	Mild
* Liver	Basophilic Focus	
	Mixed Cell Focus	
[Mixed Cell Focus TGLs = 1,2-6+7]		
* Lung	Alveolar/Bronchiolar Adenoma	
	Fibrosis	Minimal
	Hyperplasia	Mild

* PROTOCOL REQUIRED TISSUE

Experiment Number: 10472 - 04
 Test Type: CHRONIC
 Route: RESPIRATORY EXPOSURE WHOLE BODY
 Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 p-Chloro-a,a,a-trifluorotoluene
 CAS Number: 98-56-6

Date Report Requested: 03/25/2016
 Time Report Requested: 09:19:23
 First Dose M/F: 01/31/11 / 01/31/11
 Lab: BNW

ANIMAL ID: 230

TRT#: 3

SEX: Male

DAY ON TEST: 730

DOSE: 100 ppm

DISP: Terminal Sacrifice

HISTO: 63340

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

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

* Adrenal Cortex		Hypertrophy	Minimal
* Bone Marrow		Hyperplasia	Minimal
* Epididymis		Granuloma Sperm	Minimal
* Heart		Cardiomyopathy	Minimal
* Kidney		Nephropathy	Mild
* Liver		Basophilic Focus	
		Eosinophilic Focus	
		Hepatocellular Adenoma	Multiple
		Mixed Cell Focus	
	Hepatocyte	Multinucleated	Minimal
	[Eosinophilic Focus TGLs = 5,6-14]		
	[Hepatocellular Adenoma TGLs = 1,2,4-6+7+15]		
	[Mixed Cell Focus TGLs = 3-6]		
* Lung		Alveolar/Bronchiolar Adenoma	
	Peribronchiolar	Fibrosis	Minimal
	Alv/Bron Epith	Hyperplasia	Mild
* Nose	Olfactory Epi	Accumulation, Hyaline Droplet	Minimal
* Spleen		Hematopoietic Cell Proliferation	Minimal

* PROTOCOL REQUIRED TISSUE

Experiment Number: 10472 - 04
 Test Type: CHRONIC
 Route: RESPIRATORY EXPOSURE WHOLE BODY
 Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 p-Chloro-a,a,a-trifluorotoluene
 CAS Number: 98-56-6

Date Report Requested: 03/25/2016
 Time Report Requested: 09:19:23
 First Dose M/F: 01/31/11 / 01/31/11
 Lab: BNW

ANIMAL ID: 231

TRT#: 3

SEX: Male

DAY ON TEST: 730

DOSE: 100 ppm

DISP: Terminal Sacrifice

HISTO: 63341

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Mammary Gland

OBSERVATIONS

* Adrenal Cortex		Hypertrophy	Minimal
* Bone Marrow		Hyperplasia	Minimal
* Harderian Gland		Adenoma	
* Intestine Large, Cecum		Inflammation	Minimal
* Kidney		Nephropathy	Mild
* Liver		Clear Cell Focus	
		Eosinophilic Focus	
		Hepatocellular Adenoma	Multiple
	Centrilobular, Hepatocyte	Hypertrophy	Minimal
		Mixed Cell Focus	
	[Eosinophilic Focus TGLs = 2-6]		
	[Hepatocellular Adenoma TGLs = 3,4-6+7]		
	[Mixed Cell Focus TGLs = 1-6]		
* Lung	Peribronchiolr	Fibrosis	Minimal
	Alv/Bron Epith	Hyperplasia	Mild
* Lymph Node, Mesenteric		Hyperplasia	Lymphoid, Mild
* Nose	Respirat Epith	Accumulation, Hyaline Droplet	Minimal
	Olfactory Epi	Mineralization	Minimal

* PROTOCOL REQUIRED TISSUE

Experiment Number: 10472 - 04
Test Type: CHRONIC
Route: RESPIRATORY EXPOSURE WHOLE BODY
Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
p-Chloro-a,a,a-trifluorotoluene
CAS Number: 98-56-6

Date Report Requested: 03/25/2016
Time Report Requested: 09:19:23
First Dose M/F: 01/31/11 / 01/31/11
Lab: BNW

ANIMAL ID: 231

TRT#: 3

SEX: Male

DAY ON TEST: 730

DOSE: 100 ppm

DISP: Terminal Sacrifice

HISTO: 63341

ORGAN AND ACCOUNTABLE SITE STATUS

* Spleen

Hematopoietic Cell Proliferation

Minimal

* Thymus

Ectopic Parathyroid Gland

Experiment Number: 10472 - 04
Test Type: CHRONIC
Route: RESPIRATORY EXPOSURE WHOLE BODY
Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 p-Chloro-a,a,a-trifluorotoluene
CAS Number: 98-56-6

Date Report Requested: 03/25/2016
Time Report Requested: 09:19:23
First Dose M/F: 01/31/11 / 01/31/11
Lab: BNW

ANIMAL ID: 232

TRT#: 3

SEX: Male

DAY ON TEST: 610

DOSE: 100 ppm

DISP: Natural Death

HISTO: 63342

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Mammary Gland	* Parathyroid Gland
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AUTO PRECLUDES DIAG.

* Islets, Pancreatic

OBSERVATIONS

* Liver	Hepatocyte	Hepatocellular Carcinoma	
	[Hepatocellular Carcinoma TGLs = 1-14]	Necrosis	Marked
* Lung	Peribronchiolr	Fibrosis	Minimal
	Alv/Bron Epith	Hyperplasia	Mild
* Nose	Olfactory Epi	Accumulation, Hyaline Droplet	Minimal
* Thymus		Atrophy	Moderate

PRIMARY CAUSE OF DEATH

- Liver Hepatocellular Carcinoma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 10472 - 04
 Test Type: CHRONIC
 Route: RESPIRATORY EXPOSURE WHOLE BODY
 Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

p-Chloro-a,a,a-trifluorotoluene

CAS Number: 98-56-6

Date Report Requested: 03/25/2016

Time Report Requested: 09:19:23

First Dose M/F: 01/31/11 / 01/31/11

Lab: BNW

ANIMAL ID: 233

TRT#: 3

SEX: Male

DAY ON TEST: 731

DOSE: 100 ppm

DISP: Terminal Sacrifice

HISTO: 63343

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	Blood Vessel	* Bone	* Bone Marrow
* Brain	* Epididymis	* Esophagus	* Eye
* Gallbladder	* Harderian Gland	* Heart	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Larynx	* Lymph Node, Bronchial
* Lymph Node, Mesenteric	* Pancreas	* Pituitary Gland	* Preputial 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 Cortex		Hypertrophy	Minimal
* Kidney		Nephropathy	Mild
* Liver		Basophilic Focus	
		Eosinophilic Focus	
		Hepatocellular Adenoma	Multiple
		Hepatocellular Carcinoma	
		Mixed Cell Focus	
	[Eosinophilic Focus TGLs = 7-14]		
	[Hepatocellular Adenoma TGLs = 3,5,6-6+7]		
	[Hepatocellular Carcinoma TGLs = 2-15]		
	[Mixed Cell Focus TGLs = 4-6]		
* Lung	Alv/Bron Epith	Hyperplasia	Mild
* Lymph Node, Mediastinal		Necrosis	Fatty, Minimal
	[Necrosis TGLs = 1-4]		
* Nose	Olfactory Epi	Accumulation, Hyaline Droplet	Minimal
		Inflammation	Suppurative, Minimal
	Respirat Epith	Metaplasia	Squamous, Minimal

* PROTOCOL REQUIRED TISSUE

Experiment Number: 10472 - 04
Test Type: CHRONIC
Route: RESPIRATORY EXPOSURE WHOLE BODY
Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 p-Chloro-a,a,a-trifluorotoluene
CAS Number: 98-56-6

Date Report Requested: 03/25/2016
Time Report Requested: 09:19:23
First Dose M/F: 01/31/11 / 01/31/11
Lab: BNW

ANIMAL ID: 234

TRT#: 3

SEX: Male

DAY ON TEST: 730

DOSE: 100 ppm

DISP: Terminal Sacrifice

HISTO: 63344

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	Blood Vessel	* 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, Bronchial	* Lymph Node, Mediastinal	* Lymph Node, Mesenteric	* Pancreas
* Pituitary Gland	* Preputial 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 Cortex		Hypertrophy	Minimal
* Bone Marrow		Hyperplasia	Minimal
* Eye		Inflammation	Minimal
* Harderian Gland		Adenocarcinoma	
	[Adenocarcinoma TGLs = 3-12]		
* Kidney		Nephropathy	Minimal
* Liver		Clear Cell Focus	
	[Eosinophilic Focus TGLs = 1,2-7+14]	Eosinophilic Focus	
* Lung		Adenocarcinoma	Metastatic (Harderian Gland)
	Peribronchiolr	Fibrosis	Minimal
	Alv/Bron Epith	Hyperplasia	Mild
* Nose	Olfactory Epi	Accumulation, Hyaline Droplet	Minimal

* PROTOCOL REQUIRED TISSUE

Experiment Number: 10472 - 04
 Test Type: CHRONIC
 Route: RESPIRATORY EXPOSURE WHOLE BODY
 Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 p-Chloro-a,a,a-trifluorotoluene
 CAS Number: 98-56-6

Date Report Requested: 03/25/2016
 Time Report Requested: 09:19:23
 First Dose M/F: 01/31/11 / 01/31/11
 Lab: BNW

ANIMAL ID: 235

TRT#: 3

SEX: Male

DAY ON TEST: 729

DOSE: 100 ppm

DISP: Terminal Sacrifice

HISTO: 63345

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Lymph Node, Mandibular	* Mammary Gland
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OBSERVATIONS

* Adrenal Cortex		Hypertrophy	Minimal
* Bone Marrow		Hyperplasia	Minimal
* Kidney		Nephropathy	Minimal
* Liver		Eosinophilic Focus	
		Hemangiosarcoma	
		Mixed Cell Focus	
	[Eosinophilic Focus TGLs = 3-16]		
	[Hemangiosarcoma TGLs = 1,2-6+7]		
	[Mixed Cell Focus TGLs = 4-15]		
* Lung		Alveolar/Bronchiolar Carcinoma	
	Peribronchiolr	Fibrosis	Minimal
	Alv/Bron Epith	Hyperplasia	Mild
	[Alveolar/Bronchiolar Carcinoma TGLs = 7-5]		
* Nose	Olfactory Epi	Accumulation, Hyaline Droplet	Minimal

* PROTOCOL REQUIRED TISSUE

Experiment Number: 10472 - 04
 Test Type: CHRONIC
 Route: RESPIRATORY EXPOSURE WHOLE BODY
 Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 p-Chloro-a,a,a-trifluorotoluene
 CAS Number: 98-56-6

Date Report Requested: 03/25/2016
 Time Report Requested: 09:19:23
 First Dose M/F: 01/31/11 / 01/31/11
 Lab: BNW

ANIMAL ID: 236

TRT#: 3

SEX: Male

DAY ON TEST: 730

DOSE: 100 ppm

DISP: Terminal Sacrifice

HISTO: 63346

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	Blood Vessel	* 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, Bronchial	* Lymph Node, Mandibular	* Lymph Node, Mediastinal
* Lymph Node, Mesenteric	* Pancreas	* Parathyroid Gland	* Pituitary Gland
* Preputial Gland	* Prostate	* Salivary Glands	* Seminal Vesicle
* Skin	* Spleen	* Testes	* Thymus
* Thyroid Gland	* Trachea	* Urinary Bladder	

MISSING

* Mammary Gland

OBSERVATIONS

* Bone Marrow		Hyperplasia	Minimal
* Eye		Atrophy	Mild
		Cataract	Moderate
		Inflammation	Moderate
	[Inflammation TGLs = 1-12]		
* Harderian Gland		Adenoma	
	[Adenoma TGLs = 2-12]		
* Kidney		Nephropathy	Minimal
* Liver		Cyst	
		Hepatocellular Adenoma	Multiple
		Mixed Cell Focus	
	[Cyst TGLs = 5-14]		
	[Hepatocellular Adenoma TGLs = 3,6-6]		
	[Mixed Cell Focus TGLs = 4-7]		
* Lung	Peribronchiolr	Fibrosis	Minimal
	Alv/Bron Epith	Hyperplasia	Mild
		Thrombosis	Minimal
* Nose	Olfactory Epi	Accumulation, Hyaline Droplet	Minimal

* PROTOCOL REQUIRED TISSUE

Experiment Number: 10472 - 04
Test Type: CHRONIC
Route: RESPIRATORY EXPOSURE WHOLE BODY
Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

p-Chloro-a,a,a-trifluorotoluene

CAS Number: 98-56-6

Date Report Requested: 03/25/2016

Time Report Requested: 09:19:23

First Dose M/F: 01/31/11 / 01/31/11

Lab: BNW

ANIMAL ID: 236

TRT#: 3

SEX: Male

DAY ON TEST: 730

DOSE: 100 ppm

DISP: Terminal Sacrifice

HISTO: 63346

ORGAN AND ACCOUNTABLE SITE STATUS

* Stomach, Forestomach

Epithelium

Hyperplasia

Minimal

Inflammation

Minimal

* Stomach, Glandular

Adenoma

Experiment Number: 10472 - 04
 Test Type: CHRONIC
 Route: RESPIRATORY EXPOSURE WHOLE BODY
 Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 p-Chloro-a,a,a-trifluorotoluene
 CAS Number: 98-56-6

Date Report Requested: 03/25/2016
 Time Report Requested: 09:19:23
 First Dose M/F: 01/31/11 / 01/31/11
 Lab: BNW

ANIMAL ID: 237

TRT#: 3

SEX: Male

DAY ON TEST: 731

DOSE: 100 ppm

DISP: Terminal Sacrifice

HISTO: 63347

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	Blood Vessel	* Bone	* Brain
* Epididymis	* Esophagus	* Eye	* Gallbladder
* Heart	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Kidney	* Larynx	* Lymph Node, Bronchial	* Lymph Node, Mandibular
* Lymph Node, Mediastinal	* Lymph Node, Mesenteric	* Nose	* Pancreas
* Pituitary Gland	* Preputial 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

* Adrenal Cortex		Hypertrophy	Minimal
* Bone Marrow		Hemangiosarcoma	
* Harderian Gland		Hyperplasia	Mild
* Liver		Hemangiosarcoma	
		Hepatocellular Carcinoma	Multiple
	[Hemangiosarcoma TGLs = 5-7]		
	[Hepatocellular Carcinoma TGLs = 4,6-6]		
* Lung	Peribronchiolr	Fibrosis	Minimal
	Alv/Bron Epith	Hyperplasia	Mild
* Salivary Glands		Atrophy	Mild
		Inflammation	Mild
* Spleen		Hemangiosarcoma	
	[Hemangiosarcoma TGLs = 1,2,3-14]		

* PROTOCOL REQUIRED TISSUE

Experiment Number: 10472 - 04
 Test Type: CHRONIC
 Route: RESPIRATORY EXPOSURE WHOLE BODY
 Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 p-Chloro-a,a,a-trifluorotoluene
 CAS Number: 98-56-6

Date Report Requested: 03/25/2016
 Time Report Requested: 09:19:23
 First Dose M/F: 01/31/11 / 01/31/11
 Lab: BNW

ANIMAL ID: 238

TRT#: 3

SEX: Male

DAY ON TEST: 730

DOSE: 100 ppm

DISP: Terminal Sacrifice

HISTO: 63348

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Mammary Gland	* Parathyroid Gland
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OBSERVATIONS

* Adrenal Cortex		Hypertrophy	Minimal
* Harderian Gland		Hyperplasia	Mild
* Kidney		Nephropathy	Minimal
* Liver		Clear Cell Focus	
		Hepatocellular Carcinoma	
[Hepatocellular Carcinoma	TGLs = 2-7]		
* Lung	Peribronchiolr	Fibrosis	Minimal
	Alv/Bron Epith	Hyperplasia	Mild
* Preputial Gland		Ectasia	Minimal
[Ectasia	TGLs = 1-9]		

Experiment Number: 10472 - 04
 Test Type: CHRONIC
 Route: RESPIRATORY EXPOSURE WHOLE BODY
 Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 p-Chloro-a,a,a-trifluorotoluene
 CAS Number: 98-56-6

Date Report Requested: 03/25/2016
 Time Report Requested: 09:19:23
 First Dose M/F: 01/31/11 / 01/31/11
 Lab: BNW

ANIMAL ID: 239

TRT#: 3

SEX: Male

DAY ON TEST: 729

DOSE: 100 ppm

DISP: Terminal Sacrifice

HISTO: 63349

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	Blood Vessel	* Bone	* Brain
* Epididymis	* Esophagus	* Eye	* Gallbladder
* Harderian Gland	* Heart	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Larynx	* Lymph Node, Bronchial	* Lymph Node, Mediastinal
* Lymph Node, Mesenteric	* Pancreas	* Pituitary Gland	* Preputial Gland
* 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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OBSERVATIONS

* Adrenal Cortex		Hypertrophy	Minimal
* Bone Marrow		Hyperplasia	Minimal
* Kidney		Nephropathy	Mild
* Liver		Basophilic Focus	
		Hepatocellular Adenoma	
		Hepatocellular Carcinoma	
	Centrilobular, Hepatocyte	Hypertrophy	Minimal
	Hepatocyte	Multinucleated	Minimal
	[Hepatocellular Adenoma TGLs = 1-6]		
	[Hepatocellular Carcinoma TGLs = 2-7]		
* Lung	Peribronchiolr	Fibrosis	Minimal
	Alv/Bron Epith	Hyperplasia	Minimal
* Lymph Node, Mandibular		Hyperplasia	Lymphoid, Mild
* Nose	Respirat Epith	Accumulation, Hyaline Droplet	Minimal
* Spleen		Hematopoietic Cell Proliferation	Mild

* PROTOCOL REQUIRED TISSUE

Experiment Number: 10472 - 04
 Test Type: CHRONIC
 Route: RESPIRATORY EXPOSURE WHOLE BODY
 Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 p-Chloro-a,a,a-trifluorotoluene
 CAS Number: 98-56-6

Date Report Requested: 03/25/2016
 Time Report Requested: 09:19:23
 First Dose M/F: 01/31/11 / 01/31/11
 Lab: BNW

ANIMAL ID: 240

TRT#: 3

SEX: Male

DAY ON TEST: 731

DOSE: 100 ppm

DISP: Terminal Sacrifice

HISTO: 63350

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Mammary Gland

OBSERVATIONS

* Adrenal Cortex		Hypertrophy	Minimal
* Kidney		Nephropathy	Mild
* Liver		Basophilic Focus	
		Mixed Cell Focus	
	[Mixed Cell Focus TGLs = 1,2-6]		
* Lung		Alveolar/Bronchiolar Adenoma	
	Peribronchiolr	Fibrosis	Minimal
	Alv/Bron Epith	Hyperplasia	Mild
* Skin		Inflammation	Minimal

Experiment Number: 10472 - 04
 Test Type: CHRONIC
 Route: RESPIRATORY EXPOSURE WHOLE BODY
 Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 p-Chloro-a,a,a-trifluorotoluene
 CAS Number: 98-56-6

Date Report Requested: 03/25/2016
 Time Report Requested: 09:19:23
 First Dose M/F: 01/31/11 / 01/31/11
 Lab: BNW

ANIMAL ID: 241

TRT#: 3

SEX: Male

DAY ON TEST: 730

DOSE: 100 ppm

DISP: Terminal Sacrifice

HISTO: 63351

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Mammary Gland

OBSERVATIONS

* Adrenal Cortex		Hypertrophy	Minimal
* Bone Marrow		Hyperplasia	Minimal
* Heart		Cardiomyopathy	Minimal
* Intestine Large, Cecum		Inflammation	Minimal
* Kidney		Nephropathy	Minimal
* Liver		Basophilic Focus	
	Hepatocyte	Necrosis	Minimal
	[Basophilic Focus TGLs = 1-6]		
* Lung	Peribronchiolr	Fibrosis	Minimal
	Alv/Bron Epith	Hyperplasia	Minimal
Mesentery	Fat	Necrosis	Minimal
	[Necrosis TGLs = 2-7]		
* Nose		Inflammation	Suppurative, Minimal
* Stomach, Forestomach		Inflammation	Minimal

Experiment Number: 10472 - 04
 Test Type: CHRONIC
 Route: RESPIRATORY EXPOSURE WHOLE BODY
 Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 p-Chloro-a,a,a-trifluorotoluene
 CAS Number: 98-56-6

Date Report Requested: 03/25/2016
 Time Report Requested: 09:19:23
 First Dose M/F: 01/31/11 / 01/31/11
 Lab: BNW

ANIMAL ID: 242

TRT#: 3

SEX: Male

DAY ON TEST: 605

DOSE: 100 ppm

DISP: Natural Death

HISTO: 63352

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Mammary Gland

OBSERVATIONS

* Adrenal Cortex		Hypertrophy	Minimal
* Epididymis		Exfoliated Germ Cell	Minimal
* Kidney		Nephropathy	Mild
* Liver		Hepatocellular Carcinoma	
	Hepatocyte	Necrosis	Moderate
	[Hepatocellular Carcinoma TGLs = 1-14]		
* Lung	Peribronchiolr	Fibrosis	Minimal
	Alv/Bron Epith	Hyperplasia	Mild
* Skin		Inflammation	Minimal
* Spleen		Hematopoietic Cell Proliferation	Mild
* Stomach, Forestomach		Inflammation	Minimal
* Testes	Germinal Epith	Degeneration	Minimal
* Thymus		Atrophy	Mild

PRIMARY CAUSE OF DEATH - Liver Hepatocellular Carcinoma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 10472 - 04
 Test Type: CHRONIC
 Route: RESPIRATORY EXPOSURE WHOLE BODY
 Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 p-Chloro-a,a,a-trifluorotoluene
 CAS Number: 98-56-6

Date Report Requested: 03/25/2016
 Time Report Requested: 09:19:23
 First Dose M/F: 01/31/11 / 01/31/11
 Lab: BNW

ANIMAL ID: 243

TRT#: 3

SEX: Male

DAY ON TEST: 665

DOSE: 100 ppm

DISP: Natural Death

HISTO: 63353

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

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

* Kidney		Nephropathy	Minimal
* Liver		Hepatocellular Carcinoma	
	[Hepatocellular Carcinoma TGLs = 2-14]		
* Lung	Peribronchiolr	Fibrosis	Minimal
		Hepatocellular Carcinoma	Metastatic (Liver)
	Alv/Bron Epith	Hyperplasia	Minimal
* Nose	Respirat Epith	Accumulation, Hyaline Droplet	Minimal
* Preputial Gland		Ectasia	Mild
	[Ectasia TGLs = 1-9]		
* Spleen		Hematopoietic Cell Proliferation	Mild
* Thymus		Atrophy	Minimal

PRIMARY CAUSE OF DEATH - Liver Hepatocellular Carcinoma

Experiment Number: 10472 - 04
 Test Type: CHRONIC
 Route: RESPIRATORY EXPOSURE WHOLE BODY
 Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 p-Chloro-a,a,a-trifluorotoluene
 CAS Number: 98-56-6

Date Report Requested: 03/25/2016
 Time Report Requested: 09:19:23
 First Dose M/F: 01/31/11 / 01/31/11
 Lab: BNW

ANIMAL ID: 244

TRT#: 3

SEX: Male

DAY ON TEST: 731

DOSE: 100 ppm

DISP: Terminal Sacrifice

HISTO: 63354

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Mammary Gland

OBSERVATIONS

* Adrenal Cortex		Hypertrophy	Minimal
* Heart		Cardiomyopathy	Minimal
* Islets, Pancreatic		Carcinoma	
	[Carcinoma TGLs = 2-7]		
* Kidney		Nephropathy	Minimal
* Liver		Clear Cell Focus	
	[Clear Cell Focus TGLs = 1-6]		
* Lung		Alveolar/Bronchiolar Adenoma	
	Peribronchiolr	Fibrosis	Minimal
	Alv/Bron Epith	Hyperplasia	Minimal
* Spleen	Lymph Follic	Hyperplasia	Minimal
* Thymus		Atrophy	Mild
		Ectopic Parathyroid Gland	

Experiment Number: 10472 - 04
 Test Type: CHRONIC
 Route: RESPIRATORY EXPOSURE WHOLE BODY
 Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 p-Chloro-a,a,a-trifluorotoluene
 CAS Number: 98-56-6

Date Report Requested: 03/25/2016
 Time Report Requested: 09:19:23
 First Dose M/F: 01/31/11 / 01/31/11
 Lab: BNW

ANIMAL ID: 245

TRT#: 3

SEX: Male

DAY ON TEST: 731

DOSE: 100 ppm

DISP: Terminal Sacrifice

HISTO: 63355

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Mammary Gland

OBSERVATIONS

* Adrenal Cortex		Hypertrophy	Minimal
* Kidney		Nephropathy	Minimal
* Liver		Clear Cell Focus	
		Hepatocellular Adenoma	
[Hepatocellular Adenoma TGLs = 2-6]			
* Lung		Alveolar/Bronchiolar Adenoma	
	Peribronchiolar	Fibrosis	Minimal
	Alv/Bron Epith	Hyperplasia	Minimal
[Alveolar/Bronchiolar Adenoma TGLs = 1-5]			
Mesentery		Angiectasis	Minimal
		Thrombosis	Minimal
[Angiectasis TGLs = 3-7]			
* Testes	Germinal Epith	Degeneration	Minimal

* PROTOCOL REQUIRED TISSUE

Experiment Number: 10472 - 04
 Test Type: CHRONIC
 Route: RESPIRATORY EXPOSURE WHOLE BODY
 Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 p-Chloro-a,a,a-trifluorotoluene
 CAS Number: 98-56-6

Date Report Requested: 03/25/2016
 Time Report Requested: 09:19:23
 First Dose M/F: 01/31/11 / 01/31/11
 Lab: BNW

ANIMAL ID: 246

TRT#: 3

SEX: Male

DAY ON TEST: 729

DOSE: 100 ppm

DISP: Terminal Sacrifice

HISTO: 63356

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Mammary Gland	* Parathyroid Gland	* Thymus
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OBSERVATIONS

* Bone Marrow		Hyperplasia	Minimal
* Heart		Cardiomyopathy	Minimal
* Kidney		Nephropathy	Mild
* Liver		Eosinophilic Focus	
	Centrilobular, Hepatocyte	Hypertrophy	Minimal
* Lung		Alveolar/Bronchiolar Carcinoma	
	Peribronchiolr	Fibrosis	Minimal
	Alv/Bron Epith	Hyperplasia	Minimal
	[Alveolar/Bronchiolar Carcinoma		
	TGLs = 1-5]		
* Pancreas	Acinus	Hypertrophy	Minimal

Experiment Number: 10472 - 04
 Test Type: CHRONIC
 Route: RESPIRATORY EXPOSURE WHOLE BODY
 Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 p-Chloro-a,a,a-trifluorotoluene
 CAS Number: 98-56-6

Date Report Requested: 03/25/2016
 Time Report Requested: 09:19:23
 First Dose M/F: 01/31/11 / 01/31/11
 Lab: BNW

ANIMAL ID: 247

TRT#: 3

SEX: Male

DAY ON TEST: 730

DOSE: 100 ppm

DISP: Terminal Sacrifice

HISTO: 63357

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Lymph Node, Bronchial	* Mammary Gland
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OBSERVATIONS

* Adrenal Cortex		Hypertrophy	Minimal
* Bone Marrow		Hyperplasia	Minimal
* Epididymis		Exfoliated Germ Cell	Minimal
* Heart		Cardiomyopathy	Minimal
* Kidney		Nephropathy	Minimal
* Liver		Clear Cell Focus	
		Eosinophilic Focus	
		Hepatocellular Adenoma	
Note: Eosinophilic focus is atypical			
		[Eosinophilic Focus TGLs = 3-7]	
		[Hepatocellular Adenoma TGLs = 2-6]	
* Lung		Alveolar/Bronchiolar Adenoma	
		Alveolar/Bronchiolar Carcinoma	
	Peribronchiolar	Fibrosis	Minimal
	Alv/Bron Epith	Hyperplasia	Moderate
	[Alveolar/Bronchiolar Carcinoma TGLs = 1-5]		
* Nose	Olfactory Epi	Accumulation, Hyaline Droplet	Minimal
* Testes	Germinal Epith	Degeneration	Mild

* PROTOCOL REQUIRED TISSUE

Experiment Number: 10472 - 04
Test Type: CHRONIC
Route: RESPIRATORY EXPOSURE WHOLE BODY
Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

p-Chloro-a,a,a-trifluorotoluene

CAS Number: 98-56-6

Date Report Requested: 03/25/2016

Time Report Requested: 09:19:23

First Dose M/F: 01/31/11 / 01/31/11

Lab: BNW

ANIMAL ID: 247

TRT#: 3

SEX: Male

DAY ON TEST: 730

DOSE: 100 ppm

DISP: Terminal Sacrifice

HISTO: 63357

ORGAN AND ACCOUNTABLE SITE STATUS

* Thymus

Ectopic Parathyroid Gland

Experiment Number: 10472 - 04
 Test Type: CHRONIC
 Route: RESPIRATORY EXPOSURE WHOLE BODY
 Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

p-Chloro-a,a,a-trifluorotoluene

CAS Number: 98-56-6

Date Report Requested: 03/25/2016

Time Report Requested: 09:19:23

First Dose M/F: 01/31/11 / 01/31/11

Lab: BNW

ANIMAL ID: 248

TRT#: 3

SEX: Male

DAY ON TEST: 688

DOSE: 100 ppm

DISP: Moribund Sacrifice

HISTO: 63358

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Lymph Node, Bronchial	* Mammary Gland
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OBSERVATIONS

* Adrenal Cortex		Hypertrophy	Mild
* Bone Marrow		Hyperplasia	Minimal
* Kidney		Nephropathy	Mild
* Liver		Eosinophilic Focus	
		Hepatocellular Carcinoma	Multiple
	[Eosinophilic Focus TGLs = 4,5-7+20]		
	[Hepatocellular Carcinoma TGLs = 1,2,3-6+14+15+16+18+19]		
* Lung	Peribronchiolr	Fibrosis	Minimal
		Hepatocellular Carcinoma	Metastatic (Liver)
	Alv/Bron Epith	Hyperplasia	Minimal
	[Hepatocellular Carcinoma TGLs = 8,9,10,11,12-5]		
* Nose	Respirat Epith	Accumulation, Hyaline Droplet	Minimal
* Preputial Gland		Ectasia	Mild
	[Ectasia TGLs = 7-9]		
* Spleen		Hematopoietic Cell Proliferation	Mild
* Stomach, Forestomach	Epithelium	Hyperplasia	Minimal
		Inflammation	Minimal
* Testes	Germinal Epith	Degeneration	Minimal
* Thymus		Atrophy	Mild

* PROTOCOL REQUIRED TISSUE

Experiment Number: 10472 - 04
Test Type: CHRONIC
Route: RESPIRATORY EXPOSURE WHOLE BODY
Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

p-Chloro-a,a,a-trifluorotoluene

CAS Number: 98-56-6

Date Report Requested: 03/25/2016

Time Report Requested: 09:19:23

First Dose M/F: 01/31/11 / 01/31/11

Lab: BNW

ANIMAL ID: 248

TRT#: 3

SEX: Male

DAY ON TEST: 688

DOSE: 100 ppm

DISP: Moribund Sacrifice

HISTO: 63358

ORGAN AND ACCOUNTABLE SITE STATUS

PRIMARY CAUSE OF DEATH - Liver Hepatocellular Carcinoma

Experiment Number: 10472 - 04
Test Type: CHRONIC
Route: RESPIRATORY EXPOSURE WHOLE BODY
Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
p-Chloro-a,a,a-trifluorotoluene
CAS Number: 98-56-6

Date Report Requested: 03/25/2016
Time Report Requested: 09:19:23
First Dose M/F: 01/31/11 / 01/31/11
Lab: BNW

ANIMAL ID: 249

TRT#: 3

SEX: Male

DAY ON TEST: 731

DOSE: 100 ppm

DISP: Terminal Sacrifice

HISTO: 63359

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Mammary Gland

OBSERVATIONS

* Adrenal Cortex		Hypertrophy	Minimal
* Kidney		Infarct	Mild
* Liver		Clear Cell Focus	
		Hepatocellular Carcinoma	
		Mixed Cell Focus	
* Lung	[Hepatocellular Carcinoma TGLs = 1-6]	Fibrosis	Minimal
	Peribronchiolr	Hyperplasia	Mild
	Alv/Bron Epith	Inflammation	Minimal

Experiment Number: 10472 - 04
 Test Type: CHRONIC
 Route: RESPIRATORY EXPOSURE WHOLE BODY
 Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 p-Chloro-a,a,a-trifluorotoluene
 CAS Number: 98-56-6

Date Report Requested: 03/25/2016
 Time Report Requested: 09:19:23
 First Dose M/F: 01/31/11 / 01/31/11
 Lab: BNW

ANIMAL ID: 250

TRT#: 3

SEX: Male

DAY ON TEST: 729

DOSE: 100 ppm

DISP: Terminal Sacrifice

HISTO: 63360

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	Blood Vessel	* Bone	* Brain
* Epididymis	* Esophagus	* Eye	* Gallbladder
* Harderian Gland	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Larynx	* Lymph Node, Bronchial	* Lymph Node, Mediastinal	* Lymph Node, Mesenteric
* Pancreas	* Pituitary Gland	* Prostate	* Salivary Glands
* Seminal Vesicle	* Skin	* Stomach, Forestomach	* Stomach, Glandular
* Thyroid Gland	* Trachea	* Urinary Bladder	

MISSING

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

* Adrenal Medulla		Hyperplasia	Mild
* Bone Marrow		Hyperplasia	Minimal
* Heart		Cardiomyopathy	Mild
* Kidney		Nephropathy	Moderate
* Liver		Hepatocellular Carcinoma	
Note: TGLS 2-6 = NCL			
[Hepatocellular Carcinoma TGLs = 1-6]			
* Lung	Peribronchiolr	Fibrosis	Minimal
	Alv/Bron Epith	Hyperplasia	Minimal
* Nose	Respirat Epith	Accumulation, Hyaline Droplet	Minimal
* Preputial Gland		Inflammation	Minimal
* Spleen		Hematopoietic Cell Proliferation	Mild
* Testes	Germinal Epith	Degeneration	Moderate
* Thymus		Atrophy	Mild

Experiment Number: 10472 - 04
 Test Type: CHRONIC
 Route: RESPIRATORY EXPOSURE WHOLE BODY
 Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 p-Chloro-a,a,a-trifluorotoluene
 CAS Number: 98-56-6

Date Report Requested: 03/25/2016
 Time Report Requested: 09:19:23
 First Dose M/F: 01/31/11 / 01/31/11
 Lab: BNW

ANIMAL ID: 401

TRT#: 5

SEX: Male

DAY ON TEST: 723

DOSE: 200 ppm

DISP: Moribund Sacrifice

HISTO: 63211

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Mammary Gland

OBSERVATIONS

* Adrenal Cortex		Hypertrophy	Mild
* Bone Marrow		Lymphoma Malignant	
* Epididymis		Lymphoma Malignant	
* Intestine Small, Ileum		Lymphoma Malignant	
* Kidney		Nephropathy	Minimal
* Larynx	Squam Epithel	Hyperplasia	Minimal
* Liver	Centrilobular, Hepatocyte	Hepatodiaphragmatic Nodule	
		Hypertrophy	Minimal
		Lymphoma Malignant	
Note: Oncogene "Liver, non-mass" tissue contains Lymphoma, Malignant [Hepatodiaphragmatic Nodule TGLs = 1-14]			
* Lung	Peribronchiolr Alv/Bron Epith	Fibrosis Hyperplasia	Minimal Mild
		Lymphoma Malignant	
Lymph Node	Lumbar Renal	Lymphoma Malignant Lymphoma Malignant	
	[Lymphoma Malignant TGLs = 4-7]		
	[Lymphoma Malignant TGLs = 3-18]		
* Lymph Node, Bronchial		Lymphoma Malignant	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 10472 - 04
Test Type: CHRONIC
Route: RESPIRATORY EXPOSURE WHOLE BODY
Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
p-Chloro-a,a,a-trifluorotoluene
CAS Number: 98-56-6

Date Report Requested: 03/25/2016
Time Report Requested: 09:19:23
First Dose M/F: 01/31/11 / 01/31/11
Lab: BNW

ANIMAL ID: 401

TRT#: 5

SEX: Male

DAY ON TEST: 723

DOSE: 200 ppm

DISP: Moribund Sacrifice

HISTO: 63211

ORGAN AND ACCOUNTABLE SITE STATUS

* Lymph Node, Mediastinal [Lymphoma Malignant TGLs = 5-4]	Lymphoma Malignant	
* Lymph Node, Mesenteric [Lymphoma Malignant TGLs = 6-16+17]	Lymphoma Malignant	
* Nose	Inflammation	Suppurative, Minimal
* Spleen [Lymphoma Malignant TGLs = 2-6]	Lymphoma Malignant	
* Stomach, Forestomach Epithelium	Hyperplasia Inflammation	Minimal Minimal
* Thymus	Lymphoma Malignant	

PRIMARY CAUSE OF DEATH - Lymph Node, Mesenteric Lymphoma Malignant

Experiment Number: 10472 - 04
 Test Type: CHRONIC
 Route: RESPIRATORY EXPOSURE WHOLE BODY
 Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 p-Chloro-a,a,a-trifluorotoluene
 CAS Number: 98-56-6

Date Report Requested: 03/25/2016
 Time Report Requested: 09:19:23
 First Dose M/F: 01/31/11 / 01/31/11
 Lab: BNW

ANIMAL ID: 402

TRT#: 5

SEX: Male

DAY ON TEST: 340

DOSE: 200 ppm

DISP: Moribund Sacrifice

HISTO: 63212

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Gallbladder	* Lymph Node, Mediastinal	* Mammary Gland
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OBSERVATIONS

* Bone Marrow		Hyperplasia	Minimal
* Liver	Centrilobular, Hepatocyte	Hypertrophy	Minimal
	Hepatocyte	Multinucleated	Minimal
	Hepatocyte	Necrosis	Minimal
* Lung	Peribronchiolr	Fibrosis	Minimal
	Alv/Bron Epith	Hyperplasia	Minimal
* Nose	Olfactory Epi	Accumulation, Hyaline Droplet	Minimal
	Olfactory Epi	Atrophy	Mild
		Polyp, Inflammatory	Marked
* Stomach, Forestomach	Epithelium	Hyperplasia	Mild
* Thymus		Ectopic Parathyroid Gland	
Tooth			

Note: associated with nasal inflammatory polyp

PRIMARY CAUSE OF DEATH - Nose Polyp, Inflammatory

Experiment Number: 10472 - 04
 Test Type: CHRONIC
 Route: RESPIRATORY EXPOSURE WHOLE BODY
 Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 p-Chloro-a,a,a-trifluorotoluene
 CAS Number: 98-56-6

Date Report Requested: 03/25/2016
 Time Report Requested: 09:19:23
 First Dose M/F: 01/31/11 / 01/31/11
 Lab: BNW

ANIMAL ID: 403

TRT#: 5

SEX: Male

DAY ON TEST: 730

DOSE: 200 ppm

DISP: Terminal Sacrifice

HISTO: 63213

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Mammary Gland

OBSERVATIONS

* Adrenal Cortex		Hypertrophy	Minimal
* Kidney		Nephropathy	Minimal
* Liver		Basophilic Focus	
		Clear Cell Focus	
		Hepatocellular Adenoma	Multiple
	Centrilobular, Hepatocyte	Hypertrophy	Minimal
		Mixed Cell Focus	
	Hepatocyte	Multinucleated	Minimal
	[Clear Cell Focus TGLs = 1,2-6]		
	[Hepatocellular Adenoma TGLs = 3,4,5-6+7+14]		
* Lung	Peribronchiolr	Fibrosis	Minimal
	Alv/Bron Epith	Hyperplasia	Moderate
* Preputial Gland		Ectasia	Minimal
* Stomach, Forestomach	Epithelium	Hyperplasia	Marked
		Squamous Cell Papilloma	Multiple
	Epithelium	Ulcer	Mild
	[Squamous Cell Papilloma TGLs = 6-10]		

* PROTOCOL REQUIRED TISSUE

Experiment Number: 10472 - 04
 Test Type: CHRONIC
 Route: RESPIRATORY EXPOSURE WHOLE BODY
 Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 p-Chloro-a,a,a-trifluorotoluene
 CAS Number: 98-56-6

Date Report Requested: 03/25/2016
 Time Report Requested: 09:19:23
 First Dose M/F: 01/31/11 / 01/31/11
 Lab: BNW

ANIMAL ID: 404

TRT#: 5

SEX: Male

DAY ON TEST: 731

DOSE: 200 ppm

DISP: Terminal Sacrifice

HISTO: 63214

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Lymph Node, Bronchial	* Mammary Gland
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OBSERVATIONS

* Adrenal Cortex		Hypertrophy	Mild
* Bone Marrow		Hyperplasia	Minimal
* Kidney		Infarct	Minimal
* Liver		Clear Cell Focus	
		Eosinophilic Focus	
		Hepatocellular Adenoma	
	[Clear Cell Focus TGLs = 2,3,4,5,6-6+7]		
	[Eosinophilic Focus TGLs = 1-6]		
	[Hepatocellular Adenoma TGLs = 7-7]		
* Lung	Peribronchiolr	Fibrosis	Minimal
	Alv/Bron Epith	Hyperplasia	Moderate
* Nose	Respirat Epith	Accumulation, Hyaline Droplet	Minimal
	Olfactory Epi	Accumulation, Hyaline Droplet	Minimal
	Respirat Epith	Metaplasia	Squamous, Minimal
* Stomach, Forestomach		Inflammation	Minimal
* Thymus		Ectopic Parathyroid Gland	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 10472 - 04
 Test Type: CHRONIC
 Route: RESPIRATORY EXPOSURE WHOLE BODY
 Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

p-Chloro-a,a,a-trifluorotoluene

CAS Number: 98-56-6

Date Report Requested: 03/25/2016

Time Report Requested: 09:19:23

First Dose M/F: 01/31/11 / 01/31/11

Lab: BNW

ANIMAL ID: 405

TRT#: 5

SEX: Male

DAY ON TEST: 730

DOSE: 200 ppm

DISP: Terminal Sacrifice

HISTO: 63215

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

* Adrenal Cortex		Hypertrophy	Minimal
* Bone Marrow		Atrophy	Moderate
		Fibrosis	Mild
* Kidney		Mast Cell Tumor Malignant	
		Nephropathy	Minimal
	[Mast Cell Tumor Malignant TGLs = 5,6-7]		
* Liver		Clear Cell Focus	
		Hepatocellular Adenoma	Multiple
		Mixed Cell Focus	
	[Clear Cell Focus TGLs = 3-6]		
	[Hepatocellular Adenoma TGLs = 2,4-6+7]		
	[Mixed Cell Focus TGLs = 1-6]		
* Lung	Peribronchiolr	Fibrosis	Minimal
	Alv/Bron Epith	Hyperplasia	Moderate
* Nose	Olfactory Epi	Accumulation, Hyaline Droplet	Minimal
		Mast Cell Tumor Malignant	
* Spleen	Lymph Follic	Hyperplasia	Minimal
		Mast Cell Tumor Malignant	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 10472 - 04
 Test Type: CHRONIC
 Route: RESPIRATORY EXPOSURE WHOLE BODY
 Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 p-Chloro-a,a,a-trifluorotoluene
 CAS Number: 98-56-6

Date Report Requested: 03/25/2016
 Time Report Requested: 09:19:23
 First Dose M/F: 01/31/11 / 01/31/11
 Lab: BNW

ANIMAL ID: 406

TRT#: 5

SEX: Male

DAY ON TEST: 730

DOSE: 200 ppm

DISP: Terminal Sacrifice

HISTO: 63216

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Lymph Node, Mandibular	* Mammary Gland
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OBSERVATIONS

* Bone Marrow		Hyperplasia	Minimal
* Harderian Gland		Adenoma	
* Heart		Cardiomyopathy	Minimal
* Kidney		Nephropathy	Minimal
* Liver		Hepatocellular Adenoma	
		Mixed Cell Focus	
	[Hepatocellular Adenoma TGLs = 3-6]		
* Lung		Alveolar/Bronchiolar Carcinoma	
	Peribronchiolr	Fibrosis	Minimal
	Alv/Bron Epith	Hyperplasia	Lymphoid, Mild
	Alveolus	Hyperplasia	Mild
	[Alveolar/Bronchiolar Carcinoma TGLs = 2-5]	Infiltration Cellular	Histiocyte, Mild
* Lymph Node, Bronchial		Hyperplasia	Lymphoid, Mild
	[Hyperplasia TGLs = 1-5]		
* Thymus		Ectopic Parathyroid Gland	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 10472 - 04
 Test Type: CHRONIC
 Route: RESPIRATORY EXPOSURE WHOLE BODY
 Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 p-Chloro-a,a,a-trifluorotoluene
 CAS Number: 98-56-6

Date Report Requested: 03/25/2016
 Time Report Requested: 09:19:23
 First Dose M/F: 01/31/11 / 01/31/11
 Lab: BNW

ANIMAL ID: 407

TRT#: 5

SEX: Male

DAY ON TEST: 730

DOSE: 200 ppm

DISP: Terminal Sacrifice

HISTO: 63217

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

* Bone Marrow		Hyperplasia	Minimal
* Heart		Cardiomyopathy	Minimal
* Kidney		Nephropathy	Mild
* Liver		Hepatocellular Adenoma	
		Hepatocellular Carcinoma	
		Mixed Cell Focus	
	[Hepatocellular Adenoma TGLs = 3,5-6+7]		
	[Hepatocellular Carcinoma TGLs = 4-14]		
* Lung		Alveolar/Bronchiolar Adenoma	
		Alveolar/Bronchiolar Carcinoma	
	Peribronchiolar	Fibrosis	Minimal
	Alv/Bron Epith	Hyperplasia	Mild
	[Alveolar/Bronchiolar Adenoma TGLs = 2-5]		
	[Alveolar/Bronchiolar Carcinoma TGLs = 1-5]		
* Lymph Node, Mesenteric		Hematopoietic Cell Proliferation	Minimal
* Spleen		Hematopoietic Cell Proliferation	Mild
* Thymus		Atrophy	Minimal

* PROTOCOL REQUIRED TISSUE

Experiment Number: 10472 - 04
 Test Type: CHRONIC
 Route: RESPIRATORY EXPOSURE WHOLE BODY
 Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 p-Chloro-a,a,a-trifluorotoluene
 CAS Number: 98-56-6

Date Report Requested: 03/25/2016
 Time Report Requested: 09:19:23
 First Dose M/F: 01/31/11 / 01/31/11
 Lab: BNW

ANIMAL ID: 408

TRT#: 5

SEX: Male

DAY ON TEST: 586

DOSE: 200 ppm

DISP: Moribund Sacrifice

HISTO: 63218

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Lymph Node, Mediastinal	* Mammary Gland	* Stomach, Glandular
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OBSERVATIONS

* Brain		Degeneration	Minimal
Note: lesion in Section 4, Dentate gyrus			
* Larynx	Squam Epithel	Inflammation	Minimal
* Liver		Hepatocellular Carcinoma	
	Centrilobular, Hepatocyte	Hypertrophy	Minimal
	Hepatocyte	Multinucleated	Minimal
	[Hepatocellular Carcinoma TGLs = 1-6]		
* Lung	Alv/Bron Epith	Hyperplasia	Minimal
* Testes	Germinal Epith	Degeneration	Minimal

PRIMARY CAUSE OF DEATH - Liver Hepatocellular Carcinoma

Experiment Number: 10472 - 04
 Test Type: CHRONIC
 Route: RESPIRATORY EXPOSURE WHOLE BODY
 Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 p-Chloro-a,a,a-trifluorotoluene
 CAS Number: 98-56-6

Date Report Requested: 03/25/2016
 Time Report Requested: 09:19:23
 First Dose M/F: 01/31/11 / 01/31/11
 Lab: BNW

ANIMAL ID: 409

TRT#: 5

SEX: Male

DAY ON TEST: 729

DOSE: 200 ppm

DISP: Terminal Sacrifice

HISTO: 63219

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Mammary Gland

OBSERVATIONS

* Adrenal Cortex		Hypertrophy	Minimal
* Kidney		Cyst	
		Nephropathy	Mild
* Liver		Hemangiosarcoma	
		Hepatocellular Adenoma	
	Centrilobular, Hepatocyte	Hypertrophy	Minimal
	Hepatocyte	Multinucleated	Mild
	[Hemangiosarcoma TGLs = 3-6]		
	[Hepatocellular Adenoma TGLs = 1-14]		
* Lung	Peribronchiolr	Fibrosis	Minimal
		Hemorrhage	Minimal
	Alv/Bron Epith	Hyperplasia	Mild
	[Hemorrhage TGLs = 2-5]		
* Nose		Inflammation	Suppurative, Minimal
* Thymus		Atrophy	Mild
		Ectopic Parathyroid Gland	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 10472 - 04
 Test Type: CHRONIC
 Route: RESPIRATORY EXPOSURE WHOLE BODY
 Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 p-Chloro-a,a,a-trifluorotoluene
 CAS Number: 98-56-6

Date Report Requested: 03/25/2016
 Time Report Requested: 09:19:23
 First Dose M/F: 01/31/11 / 01/31/11
 Lab: BNW

ANIMAL ID: 410

TRT#: 5

SEX: Male

DAY ON TEST: 730

DOSE: 200 ppm

DISP: Terminal Sacrifice

HISTO: 63220

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	Blood Vessel	* Bone	* Brain
* Epididymis	* Esophagus	* Eye	* Gallbladder
* Harderian Gland	* Heart	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Larynx	* Lymph Node, Bronchial	* Lymph Node, Mandibular
* Lymph Node, Mediastinal	* Lymph Node, Mesenteric	* 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

* Mammary Gland	* Parathyroid Gland
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OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Minimal
* Bone Marrow		Hyperplasia	Minimal
* Kidney		Nephropathy	Minimal
* Liver		Basophilic Focus	
		Hepatocellular Adenoma	
[Hepatocellular Adenoma	TGLs = 1-7]		
* Lung	Peribronchiolr	Fibrosis	Minimal
	Alv/Bron Epith	Hyperplasia	Moderate

Experiment Number: 10472 - 04
 Test Type: CHRONIC
 Route: RESPIRATORY EXPOSURE WHOLE BODY
 Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 p-Chloro-a,a,a-trifluorotoluene
 CAS Number: 98-56-6

Date Report Requested: 03/25/2016
 Time Report Requested: 09:19:23
 First Dose M/F: 01/31/11 / 01/31/11
 Lab: BNW

ANIMAL ID: 411

TRT#: 5

SEX: Male

DAY ON TEST: 704

DOSE: 200 ppm

DISP: Moribund Sacrifice

HISTO: 63221

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Gallbladder	* Mammary Gland	* Parathyroid Gland
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OBSERVATIONS

* Bone Marrow		Hyperplasia	Minimal
* Heart		Cardiomyopathy	Minimal
* Kidney		Nephropathy	Mild
* Larynx	Squam Epithel	Hyperplasia	Mild
	Squam Epithel	Inflammation	Minimal
	Epiglottis	Inflammation	Minimal
* Liver		Hepatocellular Carcinoma	Multiple
	[Hepatocellular Carcinoma TGLs = 1,2-14+15]		
* Lung	Peribronchiolr	Fibrosis	Minimal
		Hepatocellular Carcinoma	Metastatic (Liver)
	Alv/Bron Epith	Hyperplasia	Mild
	[Hepatocellular Carcinoma TGLs = 3-5+17]		
* Lymph Node, Mesenteric		Hepatocellular Carcinoma	Metastatic (Liver)
* Preputial Gland		Inflammation	Mild
* Spleen		Hematopoietic Cell Proliferation	Minimal
* Thymus		Atrophy	Mild

PRIMARY CAUSE OF DEATH - Liver Hepatocellular Carcinoma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 10472 - 04
 Test Type: CHRONIC
 Route: RESPIRATORY EXPOSURE WHOLE BODY
 Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 p-Chloro-a,a,a-trifluorotoluene
 CAS Number: 98-56-6

Date Report Requested: 03/25/2016
 Time Report Requested: 09:19:23
 First Dose M/F: 01/31/11 / 01/31/11
 Lab: BNW

ANIMAL ID: 412

TRT#: 5

SEX: Male

DAY ON TEST: 587

DOSE: 200 ppm

DISP: Moribund Sacrifice

HISTO: 63222

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Mammary Gland

OBSERVATIONS

Blood Vessel		Inflammation	Mild
Note: Brain, Thyroid Gland, Kidney, Prostate, Pharynx, Heart, Aorta, Spinal Cord, Skeletal Muscle			
* Bone Marrow		Hyperplasia	Minimal
* Brain		Inflammation	Mild
* Epididymis		Granuloma Sperm	Mild
[Granuloma Sperm TGLs = 1-9]			
* Heart		Inflammation	Mild
* Kidney		Nephropathy	Minimal
* Lung	Peribronchiolr	Fibrosis	Minimal
	Alv/Bron Epith	Hyperplasia	Minimal
Peripheral Nerve		Degeneration	Minimal
Skeletal Muscle		Degeneration	Minimal
		Inflammation	Minimal
Spinal Cord		Inflammation	Minimal
* Stomach, Forestomach	Epithelium	Hyperplasia	Moderate
		Inflammation	Mild
	Epithelium	Ulcer	Mild
* Thymus		Atrophy	Minimal

* PROTOCOL REQUIRED TISSUE

Experiment Number: 10472 - 04
Test Type: CHRONIC
Route: RESPIRATORY EXPOSURE WHOLE BODY
Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
p-Chloro-a,a,a-trifluorotoluene
CAS Number: 98-56-6

Date Report Requested: 03/25/2016
Time Report Requested: 09:19:23
First Dose M/F: 01/31/11 / 01/31/11
Lab: BNW

ANIMAL ID: 412

TRT#: 5

SEX: Male

DAY ON TEST: 587

DOSE: 200 ppm

DISP: Moribund Sacrifice

HISTO: 63222

ORGAN AND ACCOUNTABLE SITE STATUS

Ectopic Parathyroid Gland

PRIMARY CAUSE OF DEATH - Brain Inflammation

Experiment Number: 10472 - 04
 Test Type: CHRONIC
 Route: RESPIRATORY EXPOSURE WHOLE BODY
 Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 p-Chloro-a,a,a-trifluorotoluene
 CAS Number: 98-56-6

Date Report Requested: 03/25/2016
 Time Report Requested: 09:19:23
 First Dose M/F: 01/31/11 / 01/31/11
 Lab: BNW

ANIMAL ID: 413

TRT#: 5

SEX: Male

DAY ON TEST: 729

DOSE: 200 ppm

DISP: Terminal Sacrifice

HISTO: 63223

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Mammary Gland

OBSERVATIONS

* Bone		Fibro-Osseous Lesion	
* Bone Marrow		Hyperplasia	Minimal
* Kidney		Nephropathy	Minimal
* Liver		Basophilic Focus	
		Clear Cell Focus	
		Hepatocellular Adenoma	Multiple
	Centrilobular, Hepatocyte	Hypertrophy	Minimal
	Hepatocyte	Multinucleated	Minimal
	[Hepatocellular Adenoma TGLs = 1,2-7+14]		
* Lung		Alveolar/Bronchiolar Adenoma	
	Peribronchiolar	Fibrosis	Minimal
	Alv/Bron Epith	Hyperplasia	Marked
* Thymus		Atrophy	Mild

* PROTOCOL REQUIRED TISSUE

Experiment Number: 10472 - 04
 Test Type: CHRONIC
 Route: RESPIRATORY EXPOSURE WHOLE BODY
 Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 p-Chloro-a,a,a-trifluorotoluene
 CAS Number: 98-56-6

Date Report Requested: 03/25/2016
 Time Report Requested: 09:19:23
 First Dose M/F: 01/31/11 / 01/31/11
 Lab: BNW

ANIMAL ID: 414

TRT#: 5

SEX: Male

DAY ON TEST: 551

DOSE: 200 ppm

DISP: Moribund Sacrifice

HISTO: 63224

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Mammary Gland

OBSERVATIONS

* Bone Marrow		Hyperplasia	Minimal
* Kidney		Nephropathy	Minimal
* Liver		Basophilic Focus	
		Fibrosis	Mild
		Hepatocellular Adenoma	
	[Basophilic Focus TGLs = 5-6]		
	[Fibrosis TGLs = 6-6]		
	[Hepatocellular Adenoma TGLs = 4-6]		
* Lung	Peribronchiolr	Fibrosis	Minimal
	Alv/Bron Epith	Hyperplasia	Minimal
		Lymphoma Malignant	
Lymph Node	Renal	Lymphoma Malignant	
	Pancreatic	Lymphoma Malignant	
	[Lymphoma Malignant TGLs = 2,3-7]		
* Lymph Node, Mesenteric		Lymphoma Malignant	
	[Lymphoma Malignant TGLs = 7-14]		
* Pancreas		Lymphoma Malignant	
* Preputial Gland		Ectasia	Minimal

* PROTOCOL REQUIRED TISSUE

Experiment Number: 10472 - 04
Test Type: CHRONIC
Route: RESPIRATORY EXPOSURE WHOLE BODY
Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
p-Chloro-a,a,a-trifluorotoluene
CAS Number: 98-56-6

Date Report Requested: 03/25/2016
Time Report Requested: 09:19:23
First Dose M/F: 01/31/11 / 01/31/11
Lab: BNW

ANIMAL ID: 414

TRT#: 5

SEX: Male

DAY ON TEST: 551

DOSE: 200 ppm

DISP: Moribund Sacrifice

HISTO: 63224

ORGAN AND ACCOUNTABLE SITE STATUS

* Spleen	Inflammation	Mild
	Angiectasis	Minimal
	Lymphoma Malignant	
[Lymphoma Malignant TGLs = 1-6]		
* Stomach, Forestomach	Mineralization	Minimal
* Thymus	Atrophy	Mild

PRIMARY CAUSE OF DEATH - Lymph Node, Mesenteric Lymphoma Malignant

Experiment Number: 10472 - 04
 Test Type: CHRONIC
 Route: RESPIRATORY EXPOSURE WHOLE BODY
 Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 p-Chloro-a,a,a-trifluorotoluene
 CAS Number: 98-56-6

Date Report Requested: 03/25/2016
 Time Report Requested: 09:19:23
 First Dose M/F: 01/31/11 / 01/31/11
 Lab: BNW

ANIMAL ID: 415

TRT#: 5

SEX: Male

DAY ON TEST: 523

DOSE: 200 ppm

DISP: Moribund Sacrifice

HISTO: 63225

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Mammary Gland

OBSERVATIONS

* Bone Marrow		Hyperplasia	Minimal
* Kidney		Nephropathy	Minimal
* Larynx	Squam Epithel	Hyperplasia	Minimal
	Squam Epithel	Inflammation	Minimal
	Squam Epithel	Ulcer	Minimal
* Liver		Hepatocellular Carcinoma	
	Hepatocyte	Necrosis	Moderate
	[Hepatocellular Carcinoma TGLs = 2-15]		
	[Necrosis TGLs = 3-14]		
* Lung	Alv/Bron Epith	Hyperplasia	Minimal
* Preputial Gland		Ectasia	Moderate
	[Ectasia TGLs = 1-9]		
* Spleen		Hematopoietic Cell Proliferation	Moderate
	[Hematopoietic Cell Proliferation TGLs = 4-6]		
* Testes	Germinal Epith	Degeneration	Mild
* Thymus		Atrophy	Moderate

PRIMARY CAUSE OF DEATH - Liver Hepatocellular Carcinoma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 10472 - 04
 Test Type: CHRONIC
 Route: RESPIRATORY EXPOSURE WHOLE BODY
 Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 p-Chloro-a,a,a-trifluorotoluene
 CAS Number: 98-56-6

Date Report Requested: 03/25/2016
 Time Report Requested: 09:19:23
 First Dose M/F: 01/31/11 / 01/31/11
 Lab: BNW

ANIMAL ID: 416

TRT#: 5

SEX: Male

DAY ON TEST: 730

DOSE: 200 ppm

DISP: Terminal Sacrifice

HISTO: 63226

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	Blood Vessel	* Bone
* Brain	* Epididymis	* Esophagus	* Eye
* Gallbladder	* Harderian Gland	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Larynx	* Lymph Node, Bronchial	* Lymph Node, Mandibular
* Lymph Node, Mediastinal	* Lymph Node, Mesenteric	* Nose	* Pancreas
* Pituitary Gland	* Preputial Gland	* 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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OBSERVATIONS

* Bone Marrow		Hyperplasia	Minimal
* Heart		Cardiomyopathy	Minimal
* Kidney		Nephropathy	Mild
* Liver		Clear Cell Focus	
		Hepatocellular Carcinoma	
	Hepatocyte	Multinucleated	Minimal
	[Clear Cell Focus TGLs = 1-6]		
	[Hepatocellular Carcinoma TGLs = 2-7]		
* Lung	Peribronchiolr	Fibrosis	Minimal
	Alv/Bron Epith	Hyperplasia	Mild
* Spleen	Lymph Follic	Hyperplasia	Minimal

Experiment Number: 10472 - 04
 Test Type: CHRONIC
 Route: RESPIRATORY EXPOSURE WHOLE BODY
 Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 p-Chloro-a,a,a-trifluorotoluene
 CAS Number: 98-56-6

Date Report Requested: 03/25/2016
 Time Report Requested: 09:19:23
 First Dose M/F: 01/31/11 / 01/31/11
 Lab: BNW

ANIMAL ID: 417

TRT#: 5

SEX: Male

DAY ON TEST: 731

DOSE: 200 ppm

DISP: Terminal Sacrifice

HISTO: 63227

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	Blood Vessel	* Bone	* Epididymis
* Esophagus	* Eye	* Gallbladder	* Harderian Gland
* Heart	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Larynx	* Lymph Node, Bronchial	* Lymph Node, Mediastinal	* Pituitary Gland
* Preputial Gland	* Prostate	* Salivary Glands	* Seminal Vesicle
* Skin	* Stomach, Forestomach	* Stomach, Glandular	* Testes
* Thyroid Gland	* Trachea	* Urinary Bladder	

MISSING

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

* Adrenal Cortex		Angiectasis	Minimal
* Bone Marrow		Hyperplasia	Minimal
* Brain		Inflammation	Minimal
* Kidney		Nephropathy	Minimal
* Liver		Basophilic Focus	
		Clear Cell Focus	
		Hepatocellular Adenoma	Multiple
	Centrilobular, Hepatocyte	Hypertrophy	Minimal
	Hepatocyte	Multinucleated	Minimal
[Hepatocellular Adenoma	TGLs = 2,3-6+7]		
* Lung		Alveolar/Bronchiolar Adenoma	
	Peribronchiolar	Fibrosis	Minimal
	Alv/Bron Epith	Hyperplasia	Mild
* Lymph Node, Mesenteric		Infiltration Cellular	Histiocyte, Minimal
[Infiltration Cellular	TGLs = 4-8]		
* Nose		Inflammation	Suppurative, Minimal
* Pancreas	Acinus	Atrophy	Moderate
	Duct	Cyst	Moderate
[Cyst	TGLs = 1-14]		

* PROTOCOL REQUIRED TISSUE

Experiment Number: 10472 - 04
Test Type: CHRONIC
Route: RESPIRATORY EXPOSURE WHOLE BODY
Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
p-Chloro-a,a,a-trifluorotoluene
CAS Number: 98-56-6

Date Report Requested: 03/25/2016
Time Report Requested: 09:19:23
First Dose M/F: 01/31/11 / 01/31/11
Lab: BNW

ANIMAL ID: 417

TRT#: 5

SEX: Male

DAY ON TEST: 731

DOSE: 200 ppm

DISP: Terminal Sacrifice

HISTO: 63227

ORGAN AND ACCOUNTABLE SITE STATUS

* Spleen

Lymph Follic

Hyperplasia

Minimal

* Thymus

Atrophy

Mild

Experiment Number: 10472 - 04
 Test Type: CHRONIC
 Route: RESPIRATORY EXPOSURE WHOLE BODY
 Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 p-Chloro-a,a,a-trifluorotoluene
 CAS Number: 98-56-6

Date Report Requested: 03/25/2016
 Time Report Requested: 09:19:23
 First Dose M/F: 01/31/11 / 01/31/11
 Lab: BNW

ANIMAL ID: 418

TRT#: 5

SEX: Male

DAY ON TEST: 730

DOSE: 200 ppm

DISP: Terminal Sacrifice

HISTO: 63228

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Mammary Gland

OBSERVATIONS

* Adrenal Cortex		Hypertrophy	Minimal
* Bone Marrow		Hyperplasia	Minimal
* Brain		Gliosis	Minimal
* Heart		Cardiomyopathy	Minimal
* Islets, Pancreatic		Hyperplasia	Minimal
* Kidney		Infarct	Minimal
		Nephropathy	Minimal
* Liver		Clear Cell Focus	
		Eosinophilic Focus	
		Hepatocellular Adenoma	Multiple
		Mixed Cell Focus	
	[Clear Cell Focus TGLs = 1,4-6+14]		
	[Hepatocellular Adenoma TGLs = 2,3-6+7]		
* Lung	Peribronchiolr	Fibrosis	Minimal
	Alv/Bron Epith	Hyperplasia	Moderate

* PROTOCOL REQUIRED TISSUE

Experiment Number: 10472 - 04
 Test Type: CHRONIC
 Route: RESPIRATORY EXPOSURE WHOLE BODY
 Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 p-Chloro-a,a,a-trifluorotoluene
 CAS Number: 98-56-6

Date Report Requested: 03/25/2016
 Time Report Requested: 09:19:23
 First Dose M/F: 01/31/11 / 01/31/11
 Lab: BNW

ANIMAL ID: 419

TRT#: 5

SEX: Male

DAY ON TEST: 592

DOSE: 200 ppm

DISP: Moribund Sacrifice

HISTO: 63229

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	Blood Vessel	* Bone
* Bone Marrow	* Brain	* Epididymis	* Esophagus
* Eye	* Gallbladder	* Harderian Gland	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Lymph Node, Bronchial	* Lymph Node, Mediastinal	* Lymph Node, Mesenteric
* Nose	* Pancreas	* Parathyroid Gland	Peritoneum
* Pituitary Gland	* Preputial Gland	* Prostate	* Salivary Glands
* Seminal Vesicle	* Skin	* Stomach, Forestomach	* Stomach, Glandular
* Thyroid Gland	* Trachea	* Urinary Bladder	

MISSING

* Lymph Node, Mandibular	* Mammary Gland	* Thymus
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OBSERVATIONS

* Heart		Inflammation	Mild
* Intestine Small, Duodenum		Necrosis	Moderate
		Thrombosis	Minimal
* Kidney		Nephropathy	Marked
* Larynx	Squam Epithel	Hyperplasia	Minimal
* Liver		Hepatocellular Carcinoma	Multiple
	[Hepatocellular Carcinoma TGLs = 1,2,3-6+7+14]		
* Lung	Peribronchiolr	Fibrosis	Minimal
	Alv/Bron Epith	Hyperplasia	Minimal
* Spleen		Hematopoietic Cell Proliferation	Minimal
* Testes	Germinal Epith	Degeneration	Minimal

PRIMARY CAUSE OF DEATH - Liver Hepatocellular Carcinoma

Experiment Number: 10472 - 04
 Test Type: CHRONIC
 Route: RESPIRATORY EXPOSURE WHOLE BODY
 Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 p-Chloro-a,a,a-trifluorotoluene
 CAS Number: 98-56-6

Date Report Requested: 03/25/2016
 Time Report Requested: 09:19:23
 First Dose M/F: 01/31/11 / 01/31/11
 Lab: BNW

ANIMAL ID: 420

TRT#: 5

SEX: Male

DAY ON TEST: 731

DOSE: 200 ppm

DISP: Terminal Sacrifice

HISTO: 63230

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Mammary Gland	* Parathyroid Gland
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OBSERVATIONS

* Adrenal Cortex		Hypertrophy	Minimal
* Gallbladder	Epithelium	Vacuolization Cytoplasmic	Mild
* Kidney		Infarct	Minimal
		Nephropathy	Minimal
* Liver		Clear Cell Focus	
		Eosinophilic Focus	
		Hepatocellular Adenoma	Multiple
	Centrilobular, Hepatocyte	Hypertrophy	Minimal
		Mixed Cell Focus	
	Hepatocyte	Multinucleated	Minimal
	[Clear Cell Focus TGLs = 5-16]		
	[Eosinophilic Focus TGLs = 4,6-15+17]		
	[Hepatocellular Adenoma TGLs = 1,2-7+14]		
	[Mixed Cell Focus TGLs = 3-6]		
* Lung	Peribronchiolr	Fibrosis	Minimal
	Alv/Bron Epith	Hyperplasia	Moderate
* Seminal Vesicle		Dilatation	Moderate

* PROTOCOL REQUIRED TISSUE

Experiment Number: 10472 - 04
Test Type: CHRONIC
Route: RESPIRATORY EXPOSURE WHOLE BODY
Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
p-Chloro-a,a,a-trifluorotoluene
CAS Number: 98-56-6

Date Report Requested: 03/25/2016
Time Report Requested: 09:19:23
First Dose M/F: 01/31/11 / 01/31/11
Lab: BNW

ANIMAL ID: 420

TRT#: 5

SEX: Male

DAY ON TEST: 731

DOSE: 200 ppm

DISP: Terminal Sacrifice

HISTO: 63230

ORGAN AND ACCOUNTABLE SITE STATUS

[Dilatation TGLs = 7,8-18]

Experiment Number: 10472 - 04
Test Type: CHRONIC
Route: RESPIRATORY EXPOSURE WHOLE BODY
Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 p-Chloro-a,a,a-trifluorotoluene
CAS Number: 98-56-6

Date Report Requested: 03/25/2016
Time Report Requested: 09:19:23
First Dose M/F: 01/31/11 / 01/31/11
Lab: BNW

ANIMAL ID: 421

TRT#: 5

SEX: Male

DAY ON TEST: 730

DOSE: 200 ppm

DISP: Terminal Sacrifice

HISTO: 63231

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Mammary Gland

OBSERVATIONS

* Adrenal Cortex		Hypertrophy	Mild
* Bone Marrow		Lymphoma Malignant	
* Harderian Gland		Adenoma	
	[Adenoma TGLs = 7-12]		
* Kidney		Nephropathy	Minimal
* Liver		Clear Cell Focus	
		Hepatoblastoma	
		Hepatocellular Adenoma	
		Hepatocellular Carcinoma	Multiple
		Mixed Cell Focus	
	[Hepatoblastoma TGLs = 2-6]		
	[Hepatocellular Adenoma TGLs = 3-6]		
	[Hepatocellular Carcinoma TGLs = 4,5,6-6+7+14]		
* Lung	Peribronchiolr	Fibrosis	Minimal
	Alv/Bron Epith	Hyperplasia	Moderate
* Lymph Node, Mandibular		Lymphoma Malignant	
	[Lymphoma Malignant TGLs = 1-9]		
* Nose	Olfactory Epi	Accumulation, Hyaline Droplet	Minimal

* PROTOCOL REQUIRED TISSUE

Experiment Number: 10472 - 04
Test Type: CHRONIC
Route: RESPIRATORY EXPOSURE WHOLE BODY
Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
p-Chloro-a,a,a-trifluorotoluene
CAS Number: 98-56-6

Date Report Requested: 03/25/2016
Time Report Requested: 09:19:23
First Dose M/F: 01/31/11 / 01/31/11
Lab: BNW

ANIMAL ID: 421

TRT#: 5

SEX: Male

DAY ON TEST: 730

DOSE: 200 ppm

DISP: Terminal Sacrifice

HISTO: 63231

ORGAN AND ACCOUNTABLE SITE STATUS

* Salivary Glands

Lymphoma Malignant

* Spleen

Lymph Follic

Hyperplasia

Minimal

Experiment Number: 10472 - 04
 Test Type: CHRONIC
 Route: RESPIRATORY EXPOSURE WHOLE BODY
 Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 p-Chloro-a,a,a-trifluorotoluene
 CAS Number: 98-56-6

Date Report Requested: 03/25/2016
 Time Report Requested: 09:19:23
 First Dose M/F: 01/31/11 / 01/31/11
 Lab: BNW

ANIMAL ID: 422

TRT#: 5

SEX: Male

DAY ON TEST: 659

DOSE: 200 ppm

DISP: Moribund Sacrifice

HISTO: 63232

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	Blood Vessel	* Bone	* Esophagus
* Eye	* 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, Bronchial
* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Mammary Gland	* Pancreas
* Parathyroid Gland	* Pituitary Gland	* Prostate	* Salivary Glands
* Seminal Vesicle	* Skin	* Stomach, Forestomach	* Stomach, Glandular
* Thyroid Gland	* Trachea	* Urinary Bladder	

MISSING

* Lymph Node, Mediastinal

OBSERVATIONS

* Adrenal Cortex		Hypertrophy	Minimal
* Bone Marrow		Histiocytic Sarcoma	
* Brain		Degeneration	Minimal
Note: Level 5; level of the subcoeruleus nucleus			
* Epididymis		Histiocytic Sarcoma	
* Harderian Gland		Hyperplasia	Minimal
* Kidney		Histiocytic Sarcoma	
		Metaplasia	Osseous, Minimal
* Liver		Hepatocellular Carcinoma	
		Histiocytic Sarcoma	
	[Hepatocellular Carcinoma TGLs = 3-14]		
	[Histiocytic Sarcoma TGLs = 4-6+14]		
* Lung	Peribronchiolr	Fibrosis	Minimal
		Histiocytic Sarcoma	
	Alv/Bron Epith	Hyperplasia	Minimal
Mesentery		Histiocytic Sarcoma	
	[Histiocytic Sarcoma TGLs = 2-7]		
* Nose	Respirat Epith	Accumulation, Hyaline Droplet	Minimal
* Preputial Gland		Ectasia	Mild

* PROTOCOL REQUIRED TISSUE

Experiment Number: 10472 - 04
Test Type: CHRONIC
Route: RESPIRATORY EXPOSURE WHOLE BODY
Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
p-Chloro-a,a,a-trifluorotoluene
CAS Number: 98-56-6

Date Report Requested: 03/25/2016
Time Report Requested: 09:19:23
First Dose M/F: 01/31/11 / 01/31/11
Lab: BNW

ANIMAL ID: 422

TRT#: 5

SEX: Male

DAY ON TEST: 659

DOSE: 200 ppm

DISP: Moribund Sacrifice

HISTO: 63232

ORGAN AND ACCOUNTABLE SITE STATUS

[Ectasia TGLs = 1-9]

* Spleen

Hematopoietic Cell Proliferation

Moderate

* Testes

Germinal Epith

Degeneration

Minimal

* Thymus

Atrophy

Minimal

PRIMARY CAUSE OF DEATH

- Liver Histiocytic Sarcoma

Experiment Number: 10472 - 04
 Test Type: CHRONIC
 Route: RESPIRATORY EXPOSURE WHOLE BODY
 Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 p-Chloro-a,a,a-trifluorotoluene
 CAS Number: 98-56-6

Date Report Requested: 03/25/2016
 Time Report Requested: 09:19:23
 First Dose M/F: 01/31/11 / 01/31/11
 Lab: BNW

ANIMAL ID: 423

TRT#: 5

SEX: Male

DAY ON TEST: 730

DOSE: 200 ppm

DISP: Terminal Sacrifice

HISTO: 63233

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Gallbladder	* Mammary Gland
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OBSERVATIONS

* Bone Marrow	Hyperplasia	Minimal
* Intestine Small, Duodenum	Adenoma	
* Kidney	Nephropathy	Mild
* Liver	Clear Cell Focus	
	Eosinophilic Focus	
	Hepatocellular Adenoma	Multiple
	Hepatocellular Carcinoma	Multiple
	[Clear Cell Focus TGLs = 7-14]	
	[Hepatocellular Adenoma TGLs = 4,5,7-6+14+15]	
	[Hepatocellular Carcinoma TGLs = 2,3,6,7-6+7]	
* Lung	Alveolar/Bronchiolar Adenoma	
	Fibrosis	Minimal
	Hepatocellular Carcinoma	Metastatic (Liver)
	Hyperplasia	Mild
	[Alveolar/Bronchiolar Adenoma TGLs = 1-5]	
* Spleen	Hematopoietic Cell Proliferation	Minimal
* Thymus	Ectopic Parathyroid Gland	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 10472 - 04
 Test Type: CHRONIC
 Route: RESPIRATORY EXPOSURE WHOLE BODY
 Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 p-Chloro-a,a,a-trifluorotoluene
 CAS Number: 98-56-6

Date Report Requested: 03/25/2016
 Time Report Requested: 09:19:23
 First Dose M/F: 01/31/11 / 01/31/11
 Lab: BNW

ANIMAL ID: 424

TRT#: 5

SEX: Male

DAY ON TEST: 730

DOSE: 200 ppm

DISP: Terminal Sacrifice

HISTO: 63234

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	Blood Vessel	* Bone	* Bone Marrow
* Brain	* Epididymis	* Esophagus	* Eye
* Gallbladder	* Harderian Gland	* Heart	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Kidney	* Larynx
* Lymph Node, Bronchial	* Lymph Node, Mandibular	* Lymph Node, Mediastinal	* Lymph Node, Mesenteric
* Nose	* Pancreas	* Pituitary Gland	* Prostate
* Salivary Glands	* Seminal Vesicle	* Skin	* Spleen
* Thymus	* Thyroid Gland	* Trachea	* Urinary Bladder

MISSING

* Mammary Gland	* Parathyroid Gland
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OBSERVATIONS

* Adrenal Cortex		Hypertrophy	Minimal
* Liver		Basophilic Focus	
		Hepatocellular Carcinoma	
		Intrahepatocellular Erythrocytes	Minimal
	[Hepatocellular Carcinoma TGLs = 2-7]		
* Lung	Peribronchiolr	Fibrosis	Minimal
		Hepatocellular Carcinoma	Metastatic (Liver)
	Alv/Bron Epith	Hyperplasia	Moderate
* Preputial Gland		Ectasia	Mild
	[Ectasia TGLs = 1-9]		
* Stomach, Forestomach		Inflammation	Minimal
* Stomach, Glandular		Inflammation	Minimal
* Testes	Germinal Epith	Degeneration	Mild

* PROTOCOL REQUIRED TISSUE

Experiment Number: 10472 - 04
 Test Type: CHRONIC
 Route: RESPIRATORY EXPOSURE WHOLE BODY
 Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 p-Chloro-a,a,a-trifluorotoluene
 CAS Number: 98-56-6

Date Report Requested: 03/25/2016
 Time Report Requested: 09:19:23
 First Dose M/F: 01/31/11 / 01/31/11
 Lab: BNW

ANIMAL ID: 425

TRT#: 5

SEX: Male

DAY ON TEST: 731

DOSE: 200 ppm

DISP: Terminal Sacrifice

HISTO: 63235

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Lymph Node, Mediastinal	* Mammary Gland
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OBSERVATIONS

* Kidney		Nephropathy	Minimal
* Liver		Clear Cell Focus	
		Hepatocellular Adenoma	Multiple
		Hepatocellular Carcinoma	
	Centrilobular, Hepatocyte	Hypertrophy	Minimal
		Intrahepatocellular Erythrocytes	Minimal
	Hepatocyte	Multinucleated	Minimal
	[Clear Cell Focus TGLs = 3,4,6-6]		
	[Hepatocellular Adenoma TGLs = 1,2-6]		
	[Hepatocellular Carcinoma TGLs = 5-6]		
* Lung	Peribronchiolr	Fibrosis	Minimal
	Alv/Bron Epith	Hyperplasia	Moderate
* Nose		Inflammation	Suppurative, Minimal
	Respirat Epith	Metaplasia	Squamous, Minimal
* Thymus		Atrophy	Minimal

* PROTOCOL REQUIRED TISSUE

Experiment Number: 10472 - 04
 Test Type: CHRONIC
 Route: RESPIRATORY EXPOSURE WHOLE BODY
 Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 p-Chloro-a,a,a-trifluorotoluene
 CAS Number: 98-56-6

Date Report Requested: 03/25/2016
 Time Report Requested: 09:19:23
 First Dose M/F: 01/31/11 / 01/31/11
 Lab: BNW

ANIMAL ID: 426

TRT#: 5

SEX: Male

DAY ON TEST: 730

DOSE: 200 ppm

DISP: Terminal Sacrifice

HISTO: 63236

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Mammary Gland

OBSERVATIONS

* Adrenal Cortex		Hypertrophy	Minimal
* Bone Marrow		Hyperplasia	Minimal
* Kidney		Nephropathy	Minimal
* Liver		Clear Cell Focus	
		Eosinophilic Focus	
		Hepatocellular Adenoma	Multiple
	Centrilobular, Hepatocyte	Hypertrophy	Minimal
	Hepatocyte	Multinucleated	Minimal
	[Clear Cell Focus TGLs = 6,7,8,9,10,12-14+15]		
	[Eosinophilic Focus TGLs = 11,13-15]		
	[Hepatocellular Adenoma TGLs = 3,4,5-6+14]		
* Lung		Alveolar/Bronchiolar Carcinoma	
	Peribronchiolr	Fibrosis	Minimal
	Alv/Bron Epith	Hyperplasia	Mild
	[Alveolar/Bronchiolar Carcinoma TGLs = 2-5]		
* Thyroid Gland	Follicular Cel	Adenoma	
	[Adenoma TGLs = 1-4]		

* PROTOCOL REQUIRED TISSUE

Experiment Number: 10472 - 04
 Test Type: CHRONIC
 Route: RESPIRATORY EXPOSURE WHOLE BODY
 Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 p-Chloro-a,a,a-trifluorotoluene
 CAS Number: 98-56-6

Date Report Requested: 03/25/2016
 Time Report Requested: 09:19:23
 First Dose M/F: 01/31/11 / 01/31/11
 Lab: BNW

ANIMAL ID: 427

TRT#: 5

SEX: Male

DAY ON TEST: 631

DOSE: 200 ppm

DISP: Natural Death

HISTO: 63237

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	Blood Vessel	* 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	* Kidney
* Larynx	* Lymph Node, Bronchial	* Lymph Node, Mandibular	* Lymph Node, Mediastinal
* Lymph Node, Mesenteric	* Pancreas	* Parathyroid Gland	* Pituitary Gland
* Preputial Gland	* Prostate	* Salivary Glands	* Seminal Vesicle
* Skin	* Spleen	* Stomach, Forestomach	* Stomach, Glandular
* Thyroid Gland	* Trachea	* Urinary Bladder	

MISSING

* Gallbladder	* Mammary Gland
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OBSERVATIONS

* Eye		Cataract	Moderate
		Inflammation	Moderate
* Harderian Gland		Adenoma	
[Adenoma TGLs = 1-12]			
* Islets, Pancreatic		Hyperplasia	Mild
* Liver	Centrilobular, Hepatocyte	Hypertrophy	Mild
	Hepatocyte	Multinucleated	Mild
* Lung	Peribronchiolr	Fibrosis	Minimal
	Alv/Bron Epith	Hyperplasia	Moderate
* Nose	Olfactory Epi	Hyperplasia	Minimal
* Testes	Germinal Epith	Degeneration	Minimal
* Thymus		Ectopic Parathyroid Gland	

PRIMARY CAUSE OF DEATH - Islets, Pancreatic Hyperplasia

Experiment Number: 10472 - 04
 Test Type: CHRONIC
 Route: RESPIRATORY EXPOSURE WHOLE BODY
 Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 p-Chloro-a,a,a-trifluorotoluene
 CAS Number: 98-56-6

Date Report Requested: 03/25/2016
 Time Report Requested: 09:19:23
 First Dose M/F: 01/31/11 / 01/31/11
 Lab: BNW

ANIMAL ID: 428

TRT#: 5

SEX: Male

DAY ON TEST: 729

DOSE: 200 ppm

DISP: Terminal Sacrifice

HISTO: 63238

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

- * Mammary Gland

OBSERVATIONS

- | | | | |
|----------|--|----------------------------------|----------|
| * Kidney | | Infarct | Minimal |
| * Liver | | Clear Cell Focus | |
| | | Hepatocellular Adenoma | Multiple |
| | Centrilobular, Hepatocyte | Hypertrophy | Minimal |
| | | Intrahepatocellular Erythrocytes | Minimal |
| | Hepatocyte | Multinucleated | Minimal |
| | [Clear Cell Focus TGLs = 2,4-6] | | |
| | [Hepatocellular Adenoma TGLs = 1,3-7+14] | | |
| * Lung | Peribronchiolr | Fibrosis | Minimal |
| | Alv/Bron Epith | Hyperplasia | Marked |

* PROTOCOL REQUIRED TISSUE

Experiment Number: 10472 - 04
 Test Type: CHRONIC
 Route: RESPIRATORY EXPOSURE WHOLE BODY
 Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 p-Chloro-a,a,a-trifluorotoluene
 CAS Number: 98-56-6

Date Report Requested: 03/25/2016
 Time Report Requested: 09:19:23
 First Dose M/F: 01/31/11 / 01/31/11
 Lab: BNW

ANIMAL ID: 429

TRT#: 5

SEX: Male

DAY ON TEST: 729

DOSE: 200 ppm

DISP: Terminal Sacrifice

HISTO: 63239

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	Blood Vessel	* Bone
* Brain	* Epididymis	* Esophagus	* Eye
* Gallbladder	* Harderian Gland	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Larynx	* Lymph Node, Bronchial	* Lymph Node, Mediastinal	* Lymph Node, Mesenteric
* Nose	* Pancreas	* Pituitary Gland	* Preputial Gland
* Prostate	* Salivary Glands	* Seminal Vesicle	* Skin
* Spleen	* Stomach, Glandular	* Thymus	* Thyroid Gland
* Trachea	* Urinary Bladder		

MISSING

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

* Bone Marrow		Hyperplasia	Minimal
* Heart		Cardiomyopathy	Minimal
* Islets, Pancreatic		Hyperplasia	Minimal
* Kidney		Nephropathy	Mild
* Liver		Clear Cell Focus	
		Eosinophilic Focus	
		Hepatocellular Adenoma	Multiple
	Centrilobular, Hepatocyte	Hypertrophy	Minimal
		Mixed Cell Focus	
	Hepatocyte	Multinucleated	Minimal
	[Clear Cell Focus TGLs = 3,4-6+7]		
	[Eosinophilic Focus TGLs = 6-17]		
	[Hepatocellular Adenoma TGLs = 1,2,5-6+14+16]		
* Lung	Peribronchiolr	Fibrosis	Minimal
	Alv/Bron Epith	Hyperplasia	Moderate
* Stomach, Forestomach		Hemangioma	
* Testes	Germinal Epith	Degeneration	Minimal

* PROTOCOL REQUIRED TISSUE

Experiment Number: 10472 - 04
 Test Type: CHRONIC
 Route: RESPIRATORY EXPOSURE WHOLE BODY
 Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANATOMY PATHOLOGY DATA
 p-Chloro-a,a,a-trifluorotoluene
 CAS Number: 98-56-6

Date Report Requested: 03/25/2016
 Time Report Requested: 09:19:23
 First Dose M/F: 01/31/11 / 01/31/11
 Lab: BNW

ANIMAL ID: 430

TRT#: 5

SEX: Male

DAY ON TEST: 730

DOSE: 200 ppm

DISP: Terminal Sacrifice

HISTO: 63240

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Mammary Gland

OBSERVATIONS

* Adrenal Cortex		Hypertrophy	Minimal
* Bone Marrow		Hyperplasia	Minimal
* Kidney		Nephropathy	Moderate
* Liver		Eosinophilic Focus	
		Hepatocellular Carcinoma	Multiple
	Centrilobular, Hepatocyte	Hypertrophy	Minimal
	Hepatocyte	Multinucleated	Minimal
	[Eosinophilic Focus TGLs = 4-6]		
	[Hepatocellular Carcinoma TGLs = 5,6,7-6+7+14]		
* Lung	Peribronchiolr	Fibrosis	Minimal
	Alv/Bron Epith	Hyperplasia	Moderate
Lymph Node	Renal	Lymphoma Malignant	
	[Lymphoma Malignant TGLs = 2,3-15]		
* Lymph Node, Mesenteric		Lymphoma Malignant	
	[Lymphoma Malignant TGLs = 8-8]		
* Nose	Olfactory Epi	Accumulation, Hyaline Droplet	Minimal
* Skin	Subcut Tiss	Fibrous Histiocytoma	
	[Fibrous Histiocytoma TGLs = 1-16]		

* PROTOCOL REQUIRED TISSUE

Experiment Number: 10472 - 04
Test Type: CHRONIC
Route: RESPIRATORY EXPOSURE WHOLE BODY
Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

p-Chloro-a,a,a-trifluorotoluene

CAS Number: 98-56-6

Date Report Requested: 03/25/2016

Time Report Requested: 09:19:23

First Dose M/F: 01/31/11 / 01/31/11

Lab: BNW

ANIMAL ID: 430

TRT#: 5

SEX: Male

DAY ON TEST: 730

DOSE: 200 ppm

DISP: Terminal Sacrifice

HISTO: 63240

ORGAN AND ACCOUNTABLE SITE STATUS

* Spleen

Hematopoietic Cell Proliferation

Minimal

Lymphoma Malignant

Experiment Number: 10472 - 04
 Test Type: CHRONIC
 Route: RESPIRATORY EXPOSURE WHOLE BODY
 Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 p-Chloro-a,a,a-trifluorotoluene
 CAS Number: 98-56-6

Date Report Requested: 03/25/2016
 Time Report Requested: 09:19:23
 First Dose M/F: 01/31/11 / 01/31/11
 Lab: BNW

ANIMAL ID: 431

TRT#: 5

SEX: Male

DAY ON TEST: 729

DOSE: 200 ppm

DISP: Terminal Sacrifice

HISTO: 63241

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Mammary Gland

OBSERVATIONS

* Adrenal Cortex		Hypertrophy	Minimal
* Bone Marrow		Hyperplasia	Minimal
* Liver		Basophilic Focus	
		Hepatocellular Adenoma	
		Intrahepatocellular Erythrocytes	Minimal
	[Basophilic Focus TGLs = 2,3-6+7]		
	[Hepatocellular Adenoma TGLs = 1-14]		
* Lung		Alveolar/Bronchiolar Adenoma	
	Peribronchiolr	Fibrosis	Minimal
	Alv/Bron Epith	Hyperplasia	Moderate
* Spleen		Hemangiosarcoma	
	[Hemangiosarcoma TGLs = 4-6]		

Experiment Number: 10472 - 04
 Test Type: CHRONIC
 Route: RESPIRATORY EXPOSURE WHOLE BODY
 Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 p-Chloro-a,a,a-trifluorotoluene
 CAS Number: 98-56-6

Date Report Requested: 03/25/2016
 Time Report Requested: 09:19:23
 First Dose M/F: 01/31/11 / 01/31/11
 Lab: BNW

ANIMAL ID: 432

TRT#: 5

SEX: Male

DAY ON TEST: 731

DOSE: 200 ppm

DISP: Terminal Sacrifice

HISTO: 63242

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Mammary Gland

OBSERVATIONS

* Adrenal Cortex		Hypertrophy	Minimal
* Kidney		Nephropathy	Minimal
* Liver		Clear Cell Focus	
		Eosinophilic Focus	
		Hepatocellular Adenoma	Multiple
	[Clear Cell Focus TGLs = 4,5,6-6+14]		
	[Eosinophilic Focus TGLs = 3-6]		
	[Hepatocellular Adenoma TGLs = 1,2-6+7]		
* Lung	Peribronchiolr	Fibrosis	Minimal
	Alv/Bron Epith	Hyperplasia	Moderate

Experiment Number: 10472 - 04
 Test Type: CHRONIC
 Route: RESPIRATORY EXPOSURE WHOLE BODY
 Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 p-Chloro-a,a,a-trifluorotoluene
 CAS Number: 98-56-6

Date Report Requested: 03/25/2016
 Time Report Requested: 09:19:23
 First Dose M/F: 01/31/11 / 01/31/11
 Lab: BNW

ANIMAL ID: 433

TRT#: 5

SEX: Male

DAY ON TEST: 731

DOSE: 200 ppm

DISP: Terminal Sacrifice

HISTO: 63243

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Mammary Gland

OBSERVATIONS

* Adrenal Cortex		Hypertrophy	Minimal
* Kidney		Nephropathy	Minimal
* Liver		Fatty Change	Minimal
		Mixed Cell Focus	
	[Fatty Change TGLs = 4-6]		
	[Mixed Cell Focus TGLs = 2,3-6]		
* Lung	Peribronchiolr	Fibrosis	Minimal
	Alv/Bron Epith	Hyperplasia	Moderate
* Nose	Respirat Epith	Accumulation, Hyaline Droplet	Minimal
* Spleen		Lymphoma Malignant	
	[Lymphoma Malignant TGLs = 1-6]		
* Thymus		Ectopic Parathyroid Gland	

Experiment Number: 10472 - 04
 Test Type: CHRONIC
 Route: RESPIRATORY EXPOSURE WHOLE BODY
 Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 p-Chloro-a,a,a-trifluorotoluene
 CAS Number: 98-56-6

Date Report Requested: 03/25/2016
 Time Report Requested: 09:19:23
 First Dose M/F: 01/31/11 / 01/31/11
 Lab: BNW

ANIMAL ID: 434

TRT#: 5

SEX: Male

DAY ON TEST: 730

DOSE: 200 ppm

DISP: Terminal Sacrifice

HISTO: 63244

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Mammary Gland

OBSERVATIONS

* Heart		Cardiomyopathy	Minimal
* Kidney		Nephropathy	Mild
* Liver		Clear Cell Focus	
		Eosinophilic Focus	
	[Clear Cell Focus TGLs = 1-6]		
* Lung	Peribronchiolr	Fibrosis	Minimal
	Alv/Bron Epith	Hyperplasia	Moderate
* Spleen	Lymph Follic	Hyperplasia	Minimal
* Thymus		Ectopic Parathyroid Gland	

Experiment Number: 10472 - 04
 Test Type: CHRONIC
 Route: RESPIRATORY EXPOSURE WHOLE BODY
 Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 p-Chloro-a,a,a-trifluorotoluene
 CAS Number: 98-56-6

Date Report Requested: 03/25/2016
 Time Report Requested: 09:19:23
 First Dose M/F: 01/31/11 / 01/31/11
 Lab: BNW

ANIMAL ID: 435

TRT#: 5

SEX: Male

DAY ON TEST: 719

DOSE: 200 ppm

DISP: Moribund Sacrifice

HISTO: 63245

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	Blood Vessel	* Bone
* Brain	* Epididymis	* Esophagus	* Eye
* Gallbladder	* Harderian Gland	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Larynx	* Lymph Node, Bronchial	* Lymph Node, Mandibular
* Lymph Node, Mediastinal	* Nose	* Pancreas	* Parathyroid Gland
* Pituitary Gland	* Preputial Gland	* Prostate	* Salivary Glands
* Seminal Vesicle	* Spleen	* Stomach, Forestomach	* Stomach, Glandular
* Thymus	* Thyroid Gland	* Trachea	* Urinary Bladder

MISSING

* Lymph Node, Mesenteric	* Mammary Gland
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OBSERVATIONS

* Bone Marrow		Hyperplasia	Minimal
* Heart		Cardiomyopathy	Minimal
* Kidney		Nephropathy	Minimal
* Liver		Basophilic Focus	
		Eosinophilic Focus	
		Hepatocellular Adenoma	Multiple
		Mixed Cell Focus	
	[Eosinophilic Focus TGLs = 2-6]		
	[Hepatocellular Adenoma TGLs = 3,4-7+14]		
	[Mixed Cell Focus TGLs = 1-6]		
* Lung	Peribronchiolr Alv/Bron Epith	Fibrosis	Minimal
		Hyperplasia	Moderate
Penis		Congestion	Minimal
	[Congestion TGLs = 7-15]		
* Skin		Inflammation	Moderate
		Ulcer	Mild
	[Ulcer TGLs = 5-16]		
* Testes	Germinal Epith	Degeneration	Minimal

* PROTOCOL REQUIRED TISSUE

Experiment Number: 10472 - 04
Test Type: CHRONIC
Route: RESPIRATORY EXPOSURE WHOLE BODY
Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

p-Chloro-a,a,a-trifluorotoluene

CAS Number: 98-56-6

Date Report Requested: 03/25/2016

Time Report Requested: 09:19:23

First Dose M/F: 01/31/11 / 01/31/11

Lab: BNW

ANIMAL ID: 435

TRT#: 5

SEX: Male

DAY ON TEST: 719

DOSE: 200 ppm

DISP: Moribund Sacrifice

HISTO: 63245

ORGAN AND ACCOUNTABLE SITE STATUS

PRIMARY CAUSE OF DEATH

- Skin Ulcer

Experiment Number: 10472 - 04
Test Type: CHRONIC
Route: RESPIRATORY EXPOSURE WHOLE BODY
Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 p-Chloro-a,a,a-trifluorotoluene
CAS Number: 98-56-6

Date Report Requested: 03/25/2016
Time Report Requested: 09:19:23
First Dose M/F: 01/31/11 / 01/31/11
Lab: BNW

ANIMAL ID: 436

TRT#: 5

SEX: Male

DAY ON TEST: 729

DOSE: 200 ppm

DISP: Terminal Sacrifice

HISTO: 63246

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Mammary Gland

OBSERVATIONS

* Adrenal Medulla		Pheochromocytoma Benign	
	[Pheochromocytoma Benign TGLs = 2-4]		
* Bone		Fibro-Osseous Lesion	Mild
* Kidney		Infarct	Minimal
* Liver		Basophilic Focus	
		Eosinophilic Focus	
	Centrilobular, Hepatocyte	Hypertrophy	Minimal
		Mixed Cell Focus	
	Hepatocyte	Multinucleated	Minimal
	[Eosinophilic Focus TGLs = 1-7]		
* Lung	Peribronchiolr	Fibrosis	Minimal
	Alv/Bron Epith	Hyperplasia	Marked
* Stomach, Forestomach	Epithelium	Hyperplasia	Minimal
* Thymus		Atrophy	Mild
		Ectopic Parathyroid Gland	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 10472 - 04
 Test Type: CHRONIC
 Route: RESPIRATORY EXPOSURE WHOLE BODY
 Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 p-Chloro-a,a,a-trifluorotoluene
 CAS Number: 98-56-6

Date Report Requested: 03/25/2016
 Time Report Requested: 09:19:23
 First Dose M/F: 01/31/11 / 01/31/11
 Lab: BNW

ANIMAL ID: 437

TRT#: 5

SEX: Male

DAY ON TEST: 731

DOSE: 200 ppm

DISP: Terminal Sacrifice

HISTO: 63247

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Mammary Gland

OBSERVATIONS

* Adrenal Cortex		Hypertrophy	Minimal
Blood Vessel		Inflammation	Mild
Note: Inflammation involves the coronary vessels of the heart.			
* Heart		Inflammation	Minimal
* Kidney		Nephropathy	Mild
* Liver		Clear Cell Focus	
		Eosinophilic Focus	
		Hepatocellular Adenoma	Multiple
		Intrahepatocellular Erythrocytes	Minimal
		Mixed Cell Focus	
	[Clear Cell Focus TGLs = 2,4-6+16]		
	[Eosinophilic Focus TGLs = 1-6]		
	[Hepatocellular Adenoma TGLs = 3,5,6-7+14+15]		
* Lung	Peribronchiolr	Fibrosis	Minimal
	Alv/Bron Epith	Hyperplasia	Mild
		Metaplasia	Osseous, Minimal
* Nose	Olfactory Epi	Accumulation, Hyaline Droplet	Minimal
		Inflammation	Suppurative, Minimal

* PROTOCOL REQUIRED TISSUE

Experiment Number: 10472 - 04
Test Type: CHRONIC
Route: RESPIRATORY EXPOSURE WHOLE BODY
Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

p-Chloro-a,a,a-trifluorotoluene

CAS Number: 98-56-6

Date Report Requested: 03/25/2016

Time Report Requested: 09:19:23

First Dose M/F: 01/31/11 / 01/31/11

Lab: BNW

ANIMAL ID: 437

TRT#: 5

SEX: Male

DAY ON TEST: 731

DOSE: 200 ppm

DISP: Terminal Sacrifice

HISTO: 63247

ORGAN AND ACCOUNTABLE SITE STATUS

* Seminal Vesicle

Dilatation

Minimal

[Dilatation TGLs = 7-10]

Experiment Number: 10472 - 04
 Test Type: CHRONIC
 Route: RESPIRATORY EXPOSURE WHOLE BODY
 Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 p-Chloro-a,a,a-trifluorotoluene
 CAS Number: 98-56-6

Date Report Requested: 03/25/2016
 Time Report Requested: 09:19:23
 First Dose M/F: 01/31/11 / 01/31/11
 Lab: BNW

ANIMAL ID: 438

TRT#: 5

SEX: Male

DAY ON TEST: 729

DOSE: 200 ppm

DISP: Terminal Sacrifice

HISTO: 63248

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	Blood Vessel	* Bone	* Brain
* Epididymis	* Esophagus	* Eye	* Gallbladder
* Harderian Gland	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Larynx
* Lymph Node, Bronchial	* Lymph Node, Mandibular	* Lymph Node, Mediastinal	* Lymph Node, Mesenteric
* 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

* Mammary Gland	* Parathyroid Gland
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OBSERVATIONS

* Adrenal Cortex	Hypertrophy	Minimal
* Bone Marrow	Hyperplasia	Minimal
* Heart	Cardiomyopathy	Minimal
* Islets, Pancreatic	Hyperplasia	Minimal
* Kidney	Nephropathy	Minimal
* Liver	Basophilic Focus	
	Clear Cell Focus	
	Hepatocellular Adenoma	
[Basophilic Focus TGLs = 1-6]		
[Hepatocellular Adenoma TGLs = 2-7]		
* Lung	Peribronchiolr	Fibrosis
	Alv/Bron Epith	Hyperplasia
		Minimal
		Moderate

Experiment Number: 10472 - 04
 Test Type: CHRONIC
 Route: RESPIRATORY EXPOSURE WHOLE BODY
 Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 p-Chloro-a,a,a-trifluorotoluene
 CAS Number: 98-56-6

Date Report Requested: 03/25/2016
 Time Report Requested: 09:19:23
 First Dose M/F: 01/31/11 / 01/31/11
 Lab: BNW

ANIMAL ID: 439

TRT#: 5

SEX: Male

DAY ON TEST: 730

DOSE: 200 ppm

DISP: Terminal Sacrifice

HISTO: 63249

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Lymph Node, Mandibular	* Mammary Gland
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OBSERVATIONS

* Kidney		Nephropathy	Mild
* Liver		Clear Cell Focus	
	[Clear Cell Focus TGLs = 1-6]		
* Lung		Alveolar/Bronchiolar Adenoma	
	Peribronchiolr	Fibrosis	Minimal
	Alv/Bron Epith	Hyperplasia	Moderate
* Lymph Node, Mesenteric		Infiltration Cellular	Histiocyte, Mild
* Nose	Olfactory Epi	Accumulation, Hyaline Droplet	Minimal
* Spleen	Lymph Follic	Hyperplasia	Minimal

Experiment Number: 10472 - 04
 Test Type: CHRONIC
 Route: RESPIRATORY EXPOSURE WHOLE BODY
 Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 p-Chloro-a,a,a-trifluorotoluene
 CAS Number: 98-56-6

Date Report Requested: 03/25/2016
 Time Report Requested: 09:19:23
 First Dose M/F: 01/31/11 / 01/31/11
 Lab: BNW

ANIMAL ID: 440

TRT#: 5

SEX: Male

DAY ON TEST: 726

DOSE: 200 ppm

DISP: Natural Death

HISTO: 63250

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	Blood Vessel	* Bone	* Bone Marrow
* Brain	* Epididymis	* Esophagus	* Eye
* Gallbladder	* Harderian Gland	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Kidney	* Larynx	* Lymph Node, Bronchial
* Lymph Node, Mediastinal	* Lymph Node, Mesenteric	* Nose	* Pancreas
* Preputial Gland	* Prostate	* Salivary Glands	* Seminal Vesicle
* Skin	* Stomach, Forestomach	* Stomach, Glandular	* Testes
* Thyroid Gland	* Trachea	* Urinary Bladder	

MISSING

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

* Adrenal Cortex		Hypertrophy	Minimal
* Heart		Cardiomyopathy	Mild
* Liver		Hepatocellular Carcinoma	Multiple
	Centrilobular, Hepatocyte	Hypertrophy	Minimal
	Hepatocyte	Multinucleated	Minimal
	Hepatocyte	Necrosis	Mild
	[Hepatocellular Carcinoma TGLs = 1,2-6+14]		
	[Necrosis TGLs = 3-7]		
* Lung		Hepatocellular Carcinoma	Metastatic (Liver)
	Alv/Bron Epith	Hyperplasia	Minimal
	Alveolus	Infiltration Cellular	Histiocyte, Minimal
* Pituitary Gland	Pars Distalis	Adenoma	
* Spleen		Hematopoietic Cell Proliferation	Mild
* Thymus		Atrophy	Moderate

PRIMARY CAUSE OF DEATH - Liver Hepatocellular Carcinoma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 10472 - 04
 Test Type: CHRONIC
 Route: RESPIRATORY EXPOSURE WHOLE BODY
 Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 p-Chloro-a,a,a-trifluorotoluene
 CAS Number: 98-56-6

Date Report Requested: 03/25/2016
 Time Report Requested: 09:19:23
 First Dose M/F: 01/31/11 / 01/31/11
 Lab: BNW

ANIMAL ID: 441

TRT#: 5

SEX: Male

DAY ON TEST: 729

DOSE: 200 ppm

DISP: Terminal Sacrifice

HISTO: 63251

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Mammary Gland

OBSERVATIONS

* Adrenal Cortex		Hypertrophy	Minimal
* Bone Marrow		Hyperplasia	Minimal
* Harderian Gland		Adenoma	
* Heart		Cardiomyopathy	Mild
* Kidney		Nephropathy	Moderate
* Liver		Hepatocellular Adenoma	
		Hepatocellular Carcinoma	Multiple
	Centrilobular, Hepatocyte	Hypertrophy	Minimal
	Hepatocyte	Multinucleated	Minimal
	[Hepatocellular Adenoma TGLs = 4-7]		
	[Hepatocellular Carcinoma TGLs = 2,3-6]		
* Lung		Alveolar/Bronchiolar Adenoma	
	Peribronchiolr	Fibrosis	Minimal
	Alv/Bron Epith	Hyperplasia	Minimal
* Preputial Gland		Ectasia	Minimal
	[Ectasia TGLs = 1-9]		
* Spleen		Hematopoietic Cell Proliferation	Minimal
* Stomach, Forestomach	Epithelium	Hyperplasia	Minimal

* PROTOCOL REQUIRED TISSUE

Experiment Number: 10472 - 04
Test Type: CHRONIC
Route: RESPIRATORY EXPOSURE WHOLE BODY
Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
p-Chloro-a,a,a-trifluorotoluene
CAS Number: 98-56-6

Date Report Requested: 03/25/2016
Time Report Requested: 09:19:23
First Dose M/F: 01/31/11 / 01/31/11
Lab: BNW

ANIMAL ID: 441

TRT#: 5

SEX: Male

DAY ON TEST: 729

DOSE: 200 ppm

DISP: Terminal Sacrifice

HISTO: 63251

ORGAN AND ACCOUNTABLE SITE STATUS

* Thymus

Inflammation

Minimal

Atrophy

Mild

Ectopic Parathyroid Gland

Experiment Number: 10472 - 04
 Test Type: CHRONIC
 Route: RESPIRATORY EXPOSURE WHOLE BODY
 Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 p-Chloro-a,a,a-trifluorotoluene
 CAS Number: 98-56-6

Date Report Requested: 03/25/2016
 Time Report Requested: 09:19:23
 First Dose M/F: 01/31/11 / 01/31/11
 Lab: BNW

ANIMAL ID: 442

TRT#: 5

SEX: Male

DAY ON TEST: 729

DOSE: 200 ppm

DISP: Terminal Sacrifice

HISTO: 63252

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Gallbladder	* Mammary Gland
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OBSERVATIONS

* Adrenal Cortex		Hypertrophy	Mild
* Bone Marrow		Hyperplasia	Minimal
* Heart		Cardiomyopathy	Minimal
* Islets, Pancreatic		Hyperplasia	Minimal
* Kidney		Infarct	Minimal
* Liver		Clear Cell Focus	
		Eosinophilic Focus	
		Hepatocellular Adenoma	Multiple
	[Clear Cell Focus TGLs = 2,4-6+7]		
	[Hepatocellular Adenoma TGLs = 1,3-6+14]		
* Lung	Peribronchiolr	Fibrosis	Minimal
	Alv/Bron Epith	Hyperplasia	Moderate
Mesentery	Fat	Necrosis	Minimal
	[Necrosis TGLs = 5-6]		
* Testes	Germinal Epith	Degeneration	Minimal
* Thymus		Ectopic Parathyroid Gland	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 10472 - 04
 Test Type: CHRONIC
 Route: RESPIRATORY EXPOSURE WHOLE BODY
 Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 p-Chloro-a,a,a-trifluorotoluene
 CAS Number: 98-56-6

Date Report Requested: 03/25/2016
 Time Report Requested: 09:19:23
 First Dose M/F: 01/31/11 / 01/31/11
 Lab: BNW

ANIMAL ID: 443

TRT#: 5

SEX: Male

DAY ON TEST: 730

DOSE: 200 ppm

DISP: Terminal Sacrifice

HISTO: 63253

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Mammary Gland

OBSERVATIONS

* Bone Marrow		Hyperplasia	Minimal
* Kidney		Nephropathy	Minimal
* Liver		Clear Cell Focus	
		Eosinophilic Focus	
		Hepatocellular Adenoma	Multiple
	[Clear Cell Focus TGLs = 5-14]		
	[Eosinophilic Focus TGLs = 3,4-14]		
	[Hepatocellular Adenoma TGLs = 2,3-6+14]		
* Lung	Peribronchiolr	Fibrosis	Minimal
	Alv/Bron Epith	Hyperplasia	Moderate
	Alveolar Epith	Hyperplasia	Minimal
	Alveolus	Infiltration Cellular	Histiocyte, Minimal
	[Hyperplasia TGLs = 1-5]		
* Thymus		Ectopic Parathyroid Gland	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 10472 - 04
Test Type: CHRONIC
Route: RESPIRATORY EXPOSURE WHOLE BODY
Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 p-Chloro-a,a,a-trifluorotoluene
CAS Number: 98-56-6

Date Report Requested: 03/25/2016
Time Report Requested: 09:19:23
First Dose M/F: 01/31/11 / 01/31/11
Lab: BNW

ANIMAL ID: 444

TRT#: 5

SEX: Male

DAY ON TEST: 729

DOSE: 200 ppm

DISP: Terminal Sacrifice

HISTO: 63254

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Mammary Gland	* Parathyroid Gland
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OBSERVATIONS

* Kidney		Nephropathy	Minimal
* Liver		Clear Cell Focus	
		Eosinophilic Focus	
	[Clear Cell Focus TGLs = 1,3-6]		
	[Eosinophilic Focus TGLs = 2-7]		
* Lung	Peribronchiolr	Fibrosis	Minimal
	Alv/Bron Epith	Hyperplasia	Moderate
		Thrombosis	Minimal
* Spleen	Red Pulp	Infiltration Cellular	Mast Cell, Minimal
* Stomach, Forestomach		Inflammation	Minimal

Experiment Number: 10472 - 04
 Test Type: CHRONIC
 Route: RESPIRATORY EXPOSURE WHOLE BODY
 Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 p-Chloro-a,a,a-trifluorotoluene
 CAS Number: 98-56-6

Date Report Requested: 03/25/2016
 Time Report Requested: 09:19:23
 First Dose M/F: 01/31/11 / 01/31/11
 Lab: BNW

ANIMAL ID: 445

TRT#: 5

SEX: Male

DAY ON TEST: 444

DOSE: 200 ppm

DISP: Moribund Sacrifice

HISTO: 63255

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	Blood Vessel	* Bone
* Brain	* Epididymis	* Esophagus	* Eye
* Gallbladder	* Harderian Gland	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Kidney	* Liver	* Lymph Node, Mandibular
* Lymph Node, Mesenteric	* Nose	* Parathyroid Gland	* Pituitary Gland
* Preputial Gland	* Salivary Glands	* Stomach, Glandular	* Testes
* Thyroid Gland	* Trachea	* Urinary Bladder	

MISSING

* Lymph Node, Bronchial	* Lymph Node, Mediastinal	* Mammary Gland	* Thymus
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OBSERVATIONS

* Bone Marrow		Hyperplasia	Minimal
* Heart		Sarcoma	Metastatic (Skin)
* Larynx	Squam Epithel	Hyperplasia	Minimal
* Lung	Peribronchiolr	Fibrosis	Minimal
	Alv/Bron Epith	Hyperplasia	Mild
	Mediastinum	Sarcoma	Metastatic (Skin)
* Pancreas	Acinus	Atrophy	Minimal
* Prostate		Inflammation	Mild
* Seminal Vesicle		Inflammation	Minimal
* Skin	Subcut Tiss	Sarcoma	
	[Sarcoma TGLs = 1-14+15]		
* Spleen		Hematopoietic Cell Proliferation	Mild
* Stomach, Forestomach	Epithelium	Hyperplasia	Minimal
		Inflammation	Mild

PRIMARY CAUSE OF DEATH - Skin Subcut Tiss Sarcoma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 10472 - 04
 Test Type: CHRONIC
 Route: RESPIRATORY EXPOSURE WHOLE BODY
 Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 p-Chloro-a,a,a-trifluorotoluene
 CAS Number: 98-56-6

Date Report Requested: 03/25/2016
 Time Report Requested: 09:19:23
 First Dose M/F: 01/31/11 / 01/31/11
 Lab: BNW

ANIMAL ID: 446

TRT#: 5

SEX: Male

DAY ON TEST: 729

DOSE: 200 ppm

DISP: Terminal Sacrifice

HISTO: 63256

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Lymph Node, Mediastinal	* Mammary Gland
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OBSERVATIONS

* Adrenal Cortex		Hypertrophy	Minimal
* Bone Marrow		Hyperplasia	Minimal
* Intestine Small, Ileum	Peyers Patch	Hyperplasia	Mild
* Kidney		Nephropathy	Minimal
* Liver		Hepatocellular Adenoma	
		Intrahepatocellular Erythrocytes	Minimal
	[Hepatocellular Adenoma TGLs = 1-14]		
* Lung		Alveolar/Bronchiolar Adenoma	
	Peribronchiolar	Fibrosis	Minimal
	Alv/Bron Epith	Hyperplasia	Moderate
	[Alveolar/Bronchiolar Adenoma TGLs = 2-5]		
* Spleen		Hemangiosarcoma	

Experiment Number: 10472 - 04
 Test Type: CHRONIC
 Route: RESPIRATORY EXPOSURE WHOLE BODY
 Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 p-Chloro-a,a,a-trifluorotoluene
 CAS Number: 98-56-6

Date Report Requested: 03/25/2016
 Time Report Requested: 09:19:23
 First Dose M/F: 01/31/11 / 01/31/11
 Lab: BNW

ANIMAL ID: 447

TRT#: 5

SEX: Male

DAY ON TEST: 729

DOSE: 200 ppm

DISP: Terminal Sacrifice

HISTO: 63257

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	Blood Vessel	* Bone
* Brain	* Epididymis	* Esophagus	* Eye
* Gallbladder	* Harderian Gland	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Larynx	* Lymph Node, Bronchial	* Lymph Node, Mediastinal
* Lymph Node, Mesenteric	* Nose	* Pancreas	* Pituitary Gland
* Prostate	* Salivary Glands	* Seminal Vesicle	* Skin
* Spleen	* Stomach, Glandular	* Testes	* Thymus
* Thyroid Gland	* Trachea	* Urinary Bladder	

MISSING

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

* Bone Marrow		Hyperplasia	Minimal
* Heart		Cardiomyopathy	Minimal
* Kidney		Nephropathy	Minimal
* Liver		Eosinophilic Focus	
		Hepatocellular Adenoma	Multiple
	Centrilobular, Hepatocyte	Hypertrophy	Minimal
	Hepatocyte	Multinucleated	Minimal
[Hepatocellular Adenoma	TGLs = 1,2,3,4,5-6+7]		
* Lung	Peribronchiolr	Fibrosis	Minimal
	Alv/Bron Epith	Hyperplasia	Mild
* Stomach, Forestomach	Epithelium	Hyperplasia	Minimal

* PROTOCOL REQUIRED TISSUE

Experiment Number: 10472 - 04
 Test Type: CHRONIC
 Route: RESPIRATORY EXPOSURE WHOLE BODY
 Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 p-Chloro-a,a,a-trifluorotoluene
 CAS Number: 98-56-6

Date Report Requested: 03/25/2016
 Time Report Requested: 09:19:23
 First Dose M/F: 01/31/11 / 01/31/11
 Lab: BNW

ANIMAL ID: 448

TRT#: 5

SEX: Male

DAY ON TEST: 667

DOSE: 200 ppm

DISP: Natural Death

HISTO: 63258

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Mammary Gland

OBSERVATIONS

* Adrenal Cortex		Hypertrophy	Minimal
* Kidney		Nephropathy	Mild
* Larynx	Squam Epithel	Hyperplasia	Minimal
* Liver		Eosinophilic Focus	
		Hepatocellular Adenoma	Multiple
		Hepatocellular Carcinoma	
	[Hepatocellular Adenoma TGLs = 2-6]		
	[Hepatocellular Carcinoma TGLs = 1-14]		
* Lung	Peribronchiolr	Fibrosis	Minimal
		Hepatocellular Carcinoma	Metastatic (Liver)
	Alv/Bron Epith	Hyperplasia	Minimal
* Seminal Vesicle		Inflammation	Minimal
* Stomach, Forestomach	Epithelium	Hyperplasia	Minimal
* Thymus		Atrophy	Mild

PRIMARY CAUSE OF DEATH - Liver Hepatocellular Carcinoma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 10472 - 04
 Test Type: CHRONIC
 Route: RESPIRATORY EXPOSURE WHOLE BODY
 Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 p-Chloro-a,a,a-trifluorotoluene
 CAS Number: 98-56-6

Date Report Requested: 03/25/2016
 Time Report Requested: 09:19:23
 First Dose M/F: 01/31/11 / 01/31/11
 Lab: BNW

ANIMAL ID: 449

TRT#: 5

SEX: Male

DAY ON TEST: 729

DOSE: 200 ppm

DISP: Terminal Sacrifice

HISTO: 63259

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Gallbladder	* Mammary Gland
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OBSERVATIONS

* Adrenal Cortex		Hypertrophy	Minimal
* Kidney		Nephropathy	Minimal
* Liver		Clear Cell Focus	
		Hepatocellular Adenoma	Multiple
	Centrilobular, Hepatocyte	Hypertrophy	Minimal
		Mixed Cell Focus	
	Hepatocyte	Multinucleated	Minimal
	[Clear Cell Focus TGLs = 5-7]		
	[Hepatocellular Adenoma TGLs = 1,2,4-6+14+15]		
	[Mixed Cell Focus TGLs = 3,6,7-6+17+18]		
* Lung	Peribronchiolr	Fibrosis	Minimal
	Alv/Bron Epith	Hyperplasia	Mild
* Preputial Gland		Hemangiosarcoma	
	[Hemangiosarcoma TGLs = 8-9]		
* Thymus		Ectopic Parathyroid Gland	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 10472 - 04
 Test Type: CHRONIC
 Route: RESPIRATORY EXPOSURE WHOLE BODY
 Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 p-Chloro-a,a,a-trifluorotoluene
 CAS Number: 98-56-6

Date Report Requested: 03/25/2016
 Time Report Requested: 09:19:23
 First Dose M/F: 01/31/11 / 01/31/11
 Lab: BNW

ANIMAL ID: 450

TRT#: 5

SEX: Male

DAY ON TEST: 647

DOSE: 200 ppm

DISP: Natural Death

HISTO: 63260

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Lymph Node, Bronchial * Mammary Gland

OBSERVATIONS

* Adrenal Cortex		Hypertrophy	Minimal
* Bone Marrow		Hyperplasia	Minimal
* Kidney		Nephropathy	Mild
* Liver		Eosinophilic Focus	
		Hepatocellular Adenoma	
		Hepatocellular Carcinoma	
	[Hepatocellular Adenoma TGLs = 2-7]		
	[Hepatocellular Carcinoma TGLs = 1-14]		
* Lung		Alveolar/Bronchiolar Adenoma	
	Peribronchiolar	Fibrosis	Minimal
	Alv/Bron Epith	Hyperplasia	Mild
* Spleen		Hemangiosarcoma	
* Testes	Germinal Epith	Degeneration	Minimal
* Thymus		Atrophy	Minimal
		Ectopic Parathyroid Gland	

PRIMARY CAUSE OF DEATH - Liver Hepatocellular Carcinoma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 10472 - 04
 Test Type: CHRONIC
 Route: RESPIRATORY EXPOSURE WHOLE BODY
 Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 p-Chloro-a,a,a-trifluorotoluene
 CAS Number: 98-56-6

Date Report Requested: 03/25/2016
 Time Report Requested: 09:19:23
 First Dose M/F: 01/31/11 / 01/31/11
 Lab: BNW

ANIMAL ID: 601

TRT#: 7

SEX: Male

DAY ON TEST: 548

DOSE: 400 ppm

DISP: Natural Death

HISTO: 63111

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

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

* Heart		Cardiomyopathy	Mild
* Kidney		Nephropathy	Mild
* Liver		Hepatocellular Carcinoma	
	Centrilobular, Hepatocyte	Hypertrophy	Moderate
		Intrahepatocellular Erythrocytes	Mild
	Hepatocyte	Multinucleated	Mild
	Hepatocyte	Necrosis	Mild
	[Hepatocellular Carcinoma TGLs = 1-14]		
	[Hypertrophy TGLs = 2-7]		
* Lung	Alv/Bron Epith	Hyperplasia	Minimal
* Nose	Olfactory Epi	Accumulation, Hyaline Droplet	Minimal
* Seminal Vesicle		Inflammation	Minimal
* Spleen		Hematopoietic Cell Proliferation	Minimal
* Thymus		Atrophy	Minimal

PRIMARY CAUSE OF DEATH - Liver Hepatocellular Carcinoma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 10472 - 04
 Test Type: CHRONIC
 Route: RESPIRATORY EXPOSURE WHOLE BODY
 Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 p-Chloro-a,a,a-trifluorotoluene
 CAS Number: 98-56-6

Date Report Requested: 03/25/2016
 Time Report Requested: 09:19:23
 First Dose M/F: 01/31/11 / 01/31/11
 Lab: BNW

ANIMAL ID: 602

TRT#: 7

SEX: Male

DAY ON TEST: 731

DOSE: 400 ppm

DISP: Terminal Sacrifice

HISTO: 63112

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Mammary Gland

OBSERVATIONS

* Kidney		Infarct	Minimal
* Liver		Eosinophilic Focus	
		Hepatocellular Adenoma	Multiple
		Hepatocellular Carcinoma	Multiple
	Centrilobular, Hepatocyte	Hypertrophy	Minimal
		Intrahepatocellular Erythrocytes	Mild
		Mixed Cell Focus	
	Hepatocyte	Multinucleated	Minimal
	[Hepatocellular Adenoma TGLs = 3,7,8-7+14+17]		
	[Hepatocellular Carcinoma TGLs = 2,4,5-6+15]		
	[Mixed Cell Focus TGLs = 6,9-6+16]		
* Lung	Peribronchiolr	Fibrosis	Minimal
	Alv/Bron Epith	Hyperplasia	Moderate
	Alveolus	Infiltration Cellular	Histiocyte, Minimal
* Nose	Respirat Epith	Accumulation, Hyaline Droplet	Minimal
* Spleen		Hemangiosarcoma	
	[Hemangiosarcoma TGLs = 1-6]		
* Stomach, Glandular		Mineralization	Minimal

* PROTOCOL REQUIRED TISSUE

Experiment Number: 10472 - 04
Test Type: CHRONIC
Route: RESPIRATORY EXPOSURE WHOLE BODY
Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

p-Chloro-a,a,a-trifluorotoluene

CAS Number: 98-56-6

Date Report Requested: 03/25/2016

Time Report Requested: 09:19:23

First Dose M/F: 01/31/11 / 01/31/11

Lab: BNW

ANIMAL ID: 602

TRT#: 7

SEX: Male

DAY ON TEST: 731

DOSE: 400 ppm

DISP: Terminal Sacrifice

HISTO: 63112

ORGAN AND ACCOUNTABLE SITE STATUS

* Testes

Germinal Epith

Degeneration

Minimal

* Thymus

Atrophy

Minimal

Experiment Number: 10472 - 04
 Test Type: CHRONIC
 Route: RESPIRATORY EXPOSURE WHOLE BODY
 Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 p-Chloro-a,a,a-trifluorotoluene
 CAS Number: 98-56-6

Date Report Requested: 03/25/2016
 Time Report Requested: 09:19:23
 First Dose M/F: 01/31/11 / 01/31/11
 Lab: BNW

ANIMAL ID: 603

TRT#: 7

SEX: Male

DAY ON TEST: 730

DOSE: 400 ppm

DISP: Terminal Sacrifice

HISTO: 63113

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Mammary Gland

OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Minimal
		Hypertrophy	Minimal
* Bone Marrow		Hyperplasia	Minimal
* Heart		Cardiomyopathy	Minimal
* Intestine Large, Cecum		Adenoma	
* Kidney		Infarct	Minimal
		Nephropathy	Minimal
* Liver		Eosinophilic Focus	
		Hepatocellular Adenoma	Multiple
	Centrilobular, Hepatocyte	Hypertrophy	Minimal
	Hepatocyte	Intrahepatocellular Erythrocytes	Minimal
	Hepatocyte	Multinucleated	Minimal
	[Eosinophilic Focus TGLs = 6,8-6+7]	Necrosis	Minimal
	[Hepatocellular Adenoma TGLs = 1,2,3,4,5,7-6+14+15+16+17+18]		
* Lung	Peribronchiolr	Fibrosis	Minimal
	Alv/Bron Epith	Hyperplasia	Moderate
* Thymus		Ectopic Parathyroid Gland	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 10472 - 04
 Test Type: CHRONIC
 Route: RESPIRATORY EXPOSURE WHOLE BODY
 Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 p-Chloro-a,a,a-trifluorotoluene
 CAS Number: 98-56-6

Date Report Requested: 03/25/2016
 Time Report Requested: 09:19:23
 First Dose M/F: 01/31/11 / 01/31/11
 Lab: BNW

ANIMAL ID: 604

TRT#: 7

SEX: Male

DAY ON TEST: 730

DOSE: 400 ppm

DISP: Terminal Sacrifice

HISTO: 63114

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Mammary Gland	* Parathyroid Gland
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OBSERVATIONS

* Adrenal Cortex		Hypertrophy	Mild
* Heart		Cardiomyopathy	Mild
* Intestine Small, Jejunum		Adenoma	
* Kidney		Cyst	
	Pelvis	Dilatation	Mild
		Nephropathy	Marked
	[Cyst TGLs = 4-7]		
	[Nephropathy TGLs = 3-7]		
* Larynx	Squam Epithel	Hyperplasia	Minimal
* Liver		Eosinophilic Focus	
		Hepatocellular Carcinoma	Multiple
	Centrilobular, Hepatocyte	Hypertrophy	Mild
	Hepatocyte	Multinucleated	Mild
	[Hepatocellular Carcinoma TGLs = 1,2-6+14]		
* Lung	Alv/Bron Epith	Hyperplasia	Mild
* Spleen		Hematopoietic Cell Proliferation	Mild
* Stomach, Forestomach	Epithelium	Hyperplasia	Marked
	[Hyperplasia TGLs = 5-10]		

* PROTOCOL REQUIRED TISSUE

Experiment Number: 10472 - 04
Test Type: CHRONIC
Route: RESPIRATORY EXPOSURE WHOLE BODY
Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

p-Chloro-a,a,a-trifluorotoluene

CAS Number: 98-56-6

Date Report Requested: 03/25/2016

Time Report Requested: 09:19:23

First Dose M/F: 01/31/11 / 01/31/11

Lab: BNW

ANIMAL ID: 604

TRT#: 7

SEX: Male

DAY ON TEST: 730

DOSE: 400 ppm

DISP: Terminal Sacrifice

HISTO: 63114

ORGAN AND ACCOUNTABLE SITE STATUS

* Thymus

Atrophy

Mild

Experiment Number: 10472 - 04
 Test Type: CHRONIC
 Route: RESPIRATORY EXPOSURE WHOLE BODY
 Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 p-Chloro-a,a,a-trifluorotoluene
 CAS Number: 98-56-6

Date Report Requested: 03/25/2016
 Time Report Requested: 09:19:23
 First Dose M/F: 01/31/11 / 01/31/11
 Lab: BNW

ANIMAL ID: 605

TRT#: 7

SEX: Male

DAY ON TEST: 653

DOSE: 400 ppm

DISP: Natural Death

HISTO: 63115

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Mammary Gland	* Pituitary Gland
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OBSERVATIONS

* Adrenal Cortex		Hypertrophy	Minimal
* Bone Marrow		Hyperplasia	Minimal
* Kidney		Nephropathy	Minimal
* Liver		Hepatoblastoma	Multiple
		Hepatocellular Adenoma	
	Centrilobular, Hepatocyte	Hypertrophy	Minimal
	Hepatocyte	Multinucleated	Minimal
	[Hepatoblastoma TGLs = 4,5-6+14]		
	[Hepatocellular Adenoma TGLs = 2,3-15+16]		
* Lung	Peribronchiolr	Fibrosis	Minimal
		Hepatoblastoma	Metastatic (Liver)
	Alv/Bron Epith	Hyperplasia	Moderate
* Nose	Olfactory Epi	Accumulation, Hyaline Droplet	Minimal
* Thymus		Atrophy	Minimal
		Ectopic Parathyroid Gland	

PRIMARY CAUSE OF DEATH - Liver Hepatocellular Adenoma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 10472 - 04
 Test Type: CHRONIC
 Route: RESPIRATORY EXPOSURE WHOLE BODY
 Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 p-Chloro-a,a,a-trifluorotoluene
 CAS Number: 98-56-6

Date Report Requested: 03/25/2016
 Time Report Requested: 09:19:23
 First Dose M/F: 01/31/11 / 01/31/11
 Lab: BNW

ANIMAL ID: 606

TRT#: 7

SEX: Male

DAY ON TEST: 730

DOSE: 400 ppm

DISP: Terminal Sacrifice

HISTO: 63116

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Lymph Node, Mandibular	* Mammary Gland
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OBSERVATIONS

* Bone Marrow		Hyperplasia	Minimal
* Kidney		Nephropathy	Mild
* Liver		Eosinophilic Focus	
		Hepatocellular Adenoma	Multiple
		Hepatocellular Carcinoma	Multiple
	Centrilobular, Hepatocyte	Hypertrophy	Minimal
	Hepatocyte	Multinucleated	Minimal
	[Hepatocellular Adenoma TGLs = 1,2,4-7+14+15]		
	[Hepatocellular Carcinoma TGLs = 3,6-16+18]		
* Lung	Peribronchiolr	Fibrosis	Minimal
		Hepatocellular Carcinoma	Metastatic (Liver)
	Alveolar Epith	Hyperplasia	Moderate
	Alv/Bron Epith	Hyperplasia	Moderate
* Nose	Olfactory Epi	Accumulation, Hyaline Droplet	Minimal
* Stomach, Forestomach		Inflammation	Minimal

* PROTOCOL REQUIRED TISSUE

Experiment Number: 10472 - 04
 Test Type: CHRONIC
 Route: RESPIRATORY EXPOSURE WHOLE BODY
 Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 p-Chloro-a,a,a-trifluorotoluene
 CAS Number: 98-56-6

Date Report Requested: 03/25/2016
 Time Report Requested: 09:19:23
 First Dose M/F: 01/31/11 / 01/31/11
 Lab: BNW

ANIMAL ID: 607

TRT#: 7

SEX: Male

DAY ON TEST: 415

DOSE: 400 ppm

DISP: Moribund Sacrifice

HISTO: 63117

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Mammary Gland	* Parathyroid Gland
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INSUFFICIENT TISSUE

* Lymph Node, Mediastinal	* Thymus
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OBSERVATIONS

* Adrenal Cortex		Hypertrophy	Mild
* Bone Marrow		Hyperplasia	Minimal
* Intestine Small, Jejunum		Adenocarcinoma	
Note: Intussusception present at site of mass			
[Adenocarcinoma TGLs = 1-15]			
* Larynx	Squam Epithel	Hyperplasia	Minimal
* Liver	Centrilobular, Hepatocyte	Hypertrophy	Mild
	Hepatocyte	Multinucleated	Mild
* Lung	Peribronchiolr	Fibrosis	Minimal
	Alv/Bron Epith	Hyperplasia	Moderate
	Alveolar Epith	Hyperplasia	Minimal
		Inflammation	Minimal
* Stomach, Forestomach	Epithelium	Hyperplasia	Minimal
		Inflammation	Minimal
		Mineralization	Minimal

* PROTOCOL REQUIRED TISSUE

Experiment Number: 10472 - 04
Test Type: CHRONIC
Route: RESPIRATORY EXPOSURE WHOLE BODY
Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

p-Chloro-a,a,a-trifluorotoluene

CAS Number: 98-56-6

Date Report Requested: 03/25/2016

Time Report Requested: 09:19:23

First Dose M/F: 01/31/11 / 01/31/11

Lab: BNW

ANIMAL ID: 607

TRT#: 7

SEX: Male

DAY ON TEST: 415

DOSE: 400 ppm

DISP: Moribund Sacrifice

HISTO: 63117

ORGAN AND ACCOUNTABLE SITE STATUS

[Hyperplasia TGLs = 4-14]

PRIMARY CAUSE OF DEATH - Intestine Small, Jejunum Adenocarcinoma

Experiment Number: 10472 - 04
 Test Type: CHRONIC
 Route: RESPIRATORY EXPOSURE WHOLE BODY
 Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 p-Chloro-a,a,a-trifluorotoluene
 CAS Number: 98-56-6

Date Report Requested: 03/25/2016
 Time Report Requested: 09:19:23
 First Dose M/F: 01/31/11 / 01/31/11
 Lab: BNW

ANIMAL ID: 608

TRT#: 7

SEX: Male

DAY ON TEST: 661

DOSE: 400 ppm

DISP: Moribund Sacrifice

HISTO: 63118

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Mammary Gland	* Parathyroid Gland
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OBSERVATIONS

* Adrenal Cortex		Hypertrophy	Minimal
* Bone		Fibro-Osseous Lesion	Minimal
* Kidney		Nephropathy	Mild
		Pigmentation	Mild
* Larynx	Squam Epithel	Hyperplasia	Minimal
* Liver		Eosinophilic Focus	
		Hepatoblastoma	
		Hepatocellular Adenoma	Multiple
	Centrilobular, Hepatocyte	Hypertrophy	Mild
	Hepatocyte	Multinucleated	Mild
	Hepatocyte	Necrosis	Minimal
	[Hepatoblastoma TGLs = 3-14]		
	[Hepatocellular Adenoma TGLs = 1,2-6+7]		
* Lung	Peribronchiolr	Fibrosis	Minimal
	Alv/Bron Epith	Hyperplasia	Moderate
* Spleen		Hematopoietic Cell Proliferation	Moderate
* Thymus		Atrophy	Moderate

PRIMARY CAUSE OF DEATH - Liver Hepatoblastoma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 10472 - 04
 Test Type: CHRONIC
 Route: RESPIRATORY EXPOSURE WHOLE BODY
 Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 p-Chloro-a,a,a-trifluorotoluene
 CAS Number: 98-56-6

Date Report Requested: 03/25/2016
 Time Report Requested: 09:19:23
 First Dose M/F: 01/31/11 / 01/31/11
 Lab: BNW

ANIMAL ID: 609

TRT#: 7

SEX: Male

DAY ON TEST: 730

DOSE: 400 ppm

DISP: Terminal Sacrifice

HISTO: 63119

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	Blood Vessel	* Bone	* Brain
* Epididymis	* Esophagus	* Eye	* Harderian Gland
* Heart	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Larynx	* Lymph Node, Bronchial	* Lymph Node, Mediastinal	* Lymph Node, Mesenteric
* Pancreas	* Parathyroid Gland	* Pituitary Gland	* Preputial Gland
* Prostate	* Salivary Glands	* Seminal Vesicle	* Skin
* Spleen	* Stomach, Forestomach	* Stomach, Glandular	* Thyroid Gland
* Trachea	* Urinary Bladder		

MISSING

* Gallbladder	* Lymph Node, Mandibular	* Mammary Gland
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OBSERVATIONS

* Adrenal Cortex		Hypertrophy	Minimal
* Bone Marrow		Hyperplasia	Minimal
* Kidney		Nephropathy	Minimal
* Liver		Clear Cell Focus	
		Eosinophilic Focus	
		Hepatocellular Adenoma	Multiple
	Centrilobular, Hepatocyte	Hypertrophy	Mild
		Intrahepatocellular Erythrocytes	Mild
	Hepatocyte	Multinucleated	Mild
	[Eosinophilic Focus TGLs = 3-14]		
	[Hepatocellular Adenoma TGLs = 1,2-6+7]		
* Lung		Alveolar/Bronchiolar Adenoma	
	Peribronchiolr	Fibrosis	Minimal
	Alv/Bron Epith	Hyperplasia	Moderate
* Nose	Respirat Epith	Accumulation, Hyaline Droplet	Minimal
* Testes	Germinal Epith	Degeneration	Minimal
* Thymus		Ectopic Parathyroid Gland	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 10472 - 04
 Test Type: CHRONIC
 Route: RESPIRATORY EXPOSURE WHOLE BODY
 Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 p-Chloro-a,a,a-trifluorotoluene
 CAS Number: 98-56-6

Date Report Requested: 03/25/2016
 Time Report Requested: 09:19:23
 First Dose M/F: 01/31/11 / 01/31/11
 Lab: BNW

ANIMAL ID: 610

TRT#: 7

SEX: Male

DAY ON TEST: 729

DOSE: 400 ppm

DISP: Terminal Sacrifice

HISTO: 63120

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Mammary Gland

OBSERVATIONS

* Adrenal Cortex		Hypertrophy	Minimal
* Harderian Gland		Hyperplasia	Moderate
* Kidney		Nephropathy	Minimal
* Larynx	Squam Epithel	Hyperplasia	Minimal
* Liver		Clear Cell Focus	
		Eosinophilic Focus	
		Hepatocellular Adenoma	Multiple
		Hepatocellular Carcinoma	
	Centrilobular, Hepatocyte	Hypertrophy	Mild
		Intrahepatocellular Erythrocytes	Minimal
		Mixed Cell Focus	
	Hepatocyte	Multinucleated	Mild
	[Hepatocellular Adenoma TGLs = 1,2,3,6,7,8-6+14+15+16+19+20]		
	[Hepatocellular Carcinoma TGLs = 4-17]		
	[Mixed Cell Focus TGLs = 5-7]		
* Lung		Alveolar/Bronchiolar Adenoma	
	Peribronchiolr	Fibrosis	Minimal
	Alv/Bron Epith	Hyperplasia	Moderate

* PROTOCOL REQUIRED TISSUE

Experiment Number: 10472 - 04
Test Type: CHRONIC
Route: RESPIRATORY EXPOSURE WHOLE BODY
Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
p-Chloro-a,a,a-trifluorotoluene
CAS Number: 98-56-6

Date Report Requested: 03/25/2016
Time Report Requested: 09:19:23
First Dose M/F: 01/31/11 / 01/31/11
Lab: BNW

ANIMAL ID: 610

TRT#: 7

SEX: Male

DAY ON TEST: 729

DOSE: 400 ppm

DISP: Terminal Sacrifice

HISTO: 63120

ORGAN AND ACCOUNTABLE SITE STATUS

* Nose	Respirat Epith	Accumulation, Hyaline Droplet	Minimal
	Olfactory Epi	Accumulation, Hyaline Droplet	Minimal
* Stomach, Forestomach		Inflammation	Minimal
* Stomach, Glandular		Inflammation	Minimal

Experiment Number: 10472 - 04
 Test Type: CHRONIC
 Route: RESPIRATORY EXPOSURE WHOLE BODY
 Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 p-Chloro-a,a,a-trifluorotoluene
 CAS Number: 98-56-6

Date Report Requested: 03/25/2016
 Time Report Requested: 09:19:23
 First Dose M/F: 01/31/11 / 01/31/11
 Lab: BNW

ANIMAL ID: 611

TRT#: 7

SEX: Male

DAY ON TEST: 731

DOSE: 400 ppm

DISP: Terminal Sacrifice

HISTO: 63121

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Mammary Gland

OBSERVATIONS

* Bone Marrow		Hyperplasia	Minimal
* Kidney		Nephropathy	Mild
* Larynx	Squam Epithel	Hyperplasia	Minimal
* Liver		Clear Cell Focus	
		Hepatocellular Carcinoma	Multiple
	Centrilobular, Hepatocyte	Hypertrophy	Mild
	Hepatocyte	Multinucleated	Mild
[Hepatocellular Carcinoma	TGLs = 1,2,3,4,5,6-6+7+14+15]		
* Lung	Peribronchiolr	Fibrosis	Minimal
	Alv/Bron Epith	Hyperplasia	Moderate
Mesentery	Fat	Necrosis	Minimal
[Necrosis TGLs = 7-16]			
* Nose	Respirat Epith	Accumulation, Hyaline Droplet	Minimal
* Stomach, Forestomach		Inflammation	Minimal

Experiment Number: 10472 - 04
 Test Type: CHRONIC
 Route: RESPIRATORY EXPOSURE WHOLE BODY
 Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 p-Chloro-a,a,a-trifluorotoluene
 CAS Number: 98-56-6

Date Report Requested: 03/25/2016
 Time Report Requested: 09:19:23
 First Dose M/F: 01/31/11 / 01/31/11
 Lab: BNW

ANIMAL ID: 612

TRT#: 7

SEX: Male

DAY ON TEST: 606

DOSE: 400 ppm

DISP: Natural Death

HISTO: 63122

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	Blood Vessel	* Bone	* Brain
* Esophagus	* Eye	* Gallbladder	* Harderian Gland
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Lymph Node, Mandibular
* Parathyroid Gland	* Pituitary Gland	* Preputial Gland	* Prostate
* Salivary Glands	* Skin	* Spleen	* Stomach, Forestomach
* Testes	* Thyroid Gland	* Trachea	* Urinary Bladder

MISSING

* Mammary Gland

OBSERVATIONS

* Adrenal Cortex		Hypertrophy	Minimal
* Bone Marrow		Lymphoma Malignant	
* Epididymis		Lymphoma Malignant	
* Heart		Lymphoma Malignant	
* Kidney		Nephropathy	Minimal
* Larynx	Squam Epithel	Hyperplasia	Minimal
* Liver		Clear Cell Focus	
		Eosinophilic Focus	
		Hepatocellular Adenoma	Multiple
		Hepatocellular Carcinoma	Multiple
	Centrilobular, Hepatocyte	Hypertrophy	Mild
	Hepatocyte	Lymphoma Malignant	
	[Hepatocellular Carcinoma TGLs = 9-17]	Multinucleated	Mild
	[Lymphoma Malignant TGLs = 5,6,7,8,10-6+7+15+16]		
* Lung	Peribronchiolr	Fibrosis	Minimal
	Alv/Bron Epith	Hyperplasia	Moderate
* Lymph Node, Bronchial		Lymphoma Malignant	
* Lymph Node, Mediastinal		Lymphoma Malignant	
	[Lymphoma Malignant TGLs = 2-14]		

* PROTOCOL REQUIRED TISSUE

Experiment Number: 10472 - 04
Test Type: CHRONIC
Route: RESPIRATORY EXPOSURE WHOLE BODY
Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

p-Chloro-a,a,a-trifluorotoluene

CAS Number: 98-56-6

Date Report Requested: 03/25/2016

Time Report Requested: 09:19:23

First Dose M/F: 01/31/11 / 01/31/11

Lab: BNW

ANIMAL ID: 612

TRT#: 7

SEX: Male

DAY ON TEST: 606

DOSE: 400 ppm

DISP: Natural Death

HISTO: 63122

ORGAN AND ACCOUNTABLE SITE STATUS

* Lymph Node, Mesenteric [Lymphoma Malignant TGLs = 11-18]	Lymphoma Malignant	
* Nose Respirat Epith	Accumulation, Hyaline Droplet	Minimal
	Olfactory Epi	Accumulation, Hyaline Droplet
	Inflammation	Suppurative, Minimal
* Pancreas	Lymphoma Malignant	
* Seminal Vesicle	Lymphoma Malignant	
Skeletal Muscle [Lymphoma Malignant TGLs = 4-19]	Lymphoma Malignant	
* Stomach, Glandular	Lymphoma Malignant	
* Thymus [Lymphoma Malignant TGLs = 3-14]	Lymphoma Malignant	

PRIMARY CAUSE OF DEATH - Lymph Node, Mesenteric Lymphoma Malignant

Experiment Number: 10472 - 04
 Test Type: CHRONIC
 Route: RESPIRATORY EXPOSURE WHOLE BODY
 Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 p-Chloro-a,a,a-trifluorotoluene
 CAS Number: 98-56-6

Date Report Requested: 03/25/2016
 Time Report Requested: 09:19:23
 First Dose M/F: 01/31/11 / 01/31/11
 Lab: BNW

ANIMAL ID: 613

TRT#: 7

SEX: Male

DAY ON TEST: 709

DOSE: 400 ppm

DISP: Moribund Sacrifice

HISTO: 63123

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	Blood Vessel	* Bone
* Brain	* Epididymis	* Esophagus	* Eye
* Gallbladder	* Harderian Gland	* Heart	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Kidney	* Larynx
* Lymph Node, Mandibular	* Lymph Node, Mediastinal	* Lymph Node, Mesenteric	* Nose
* Pancreas	* Parathyroid Gland	* Pituitary Gland	* Preputial Gland
* Salivary Glands	* Seminal Vesicle	* Spleen	* Stomach, Forestomach
* Stomach, Glandular	* Testes	* Thyroid Gland	* Trachea

MISSING

* Lymph Node, Bronchial	* Mammary Gland
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OBSERVATIONS

* Bone Marrow		Hyperplasia	Minimal
* Liver		Hepatoblastoma	
		Hepatocellular Adenoma	
		Hepatocellular Carcinoma	Multiple
	Centrilobular, Hepatocyte	Hypertrophy	Mild
	Hepatocyte	Multinucleated	Minimal
	[Hepatoblastoma TGLs = 2-15]		
	[Hepatocellular Adenoma TGLs = 4-6]		
	[Hepatocellular Carcinoma TGLs = 1,3-14+16]		
* Lung	Peribronchiolr	Fibrosis	Minimal
	Alv/Bron Epith	Hyperplasia	Moderate
* Prostate		Inflammation	Moderate
* Skin		Inflammation	Marked
		Ulcer	Marked
	[Inflammation TGLs = 6-9]		
* Thymus		Atrophy	Minimal
* Urinary Bladder		Inflammation	Mild
	[Inflammation TGLs = 5-10]		

* PROTOCOL REQUIRED TISSUE

Experiment Number: 10472 - 04
Test Type: CHRONIC
Route: RESPIRATORY EXPOSURE WHOLE BODY
Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

p-Chloro-a,a,a-trifluorotoluene

CAS Number: 98-56-6

Date Report Requested: 03/25/2016

Time Report Requested: 09:19:23

First Dose M/F: 01/31/11 / 01/31/11

Lab: BNW

ANIMAL ID: 613

TRT#: 7

SEX: Male

DAY ON TEST: 709

DOSE: 400 ppm

DISP: Moribund Sacrifice

HISTO: 63123

ORGAN AND ACCOUNTABLE SITE STATUS

PRIMARY CAUSE OF DEATH

- Skin Inflammation

Experiment Number: 10472 - 04
 Test Type: CHRONIC
 Route: RESPIRATORY EXPOSURE WHOLE BODY
 Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 p-Chloro-a,a,a-trifluorotoluene
 CAS Number: 98-56-6

Date Report Requested: 03/25/2016
 Time Report Requested: 09:19:23
 First Dose M/F: 01/31/11 / 01/31/11
 Lab: BNW

ANIMAL ID: 614

TRT#: 7

SEX: Male

DAY ON TEST: 693

DOSE: 400 ppm

DISP: Natural Death

HISTO: 63124

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Mammary Gland

OBSERVATIONS

* Adrenal Cortex		Hepatoblastoma	Metastatic (Liver)
* Kidney		Nephropathy	Minimal
* Larynx	Squam Epithel	Hyperplasia	Minimal
* Liver		Clear Cell Focus	
		Hepatoblastoma	Multiple
		Hepatocellular Carcinoma	Multiple
	Centrilobular, Hepatocyte	Hypertrophy	Minimal
	Hepatocyte	Mixed Cell Focus	
	[Hepatoblastoma TGLs = 8,12-7+15]	Multinucleated	Mild
	[Hepatocellular Carcinoma TGLs = 9,10,11,13-6+14+16]		
* Lung		Hepatoblastoma	Metastatic (Liver)
	Alv/Bron Epith	Hyperplasia	Mild
	[Hepatoblastoma TGLs = 3,4,5,6-5]		
* Lymph Node, Bronchial		Hepatoblastoma	Metastatic (Liver)
* Lymph Node, Mediastinal		Hepatoblastoma	Metastatic (Liver)
	[Hepatoblastoma TGLs = 2-4]		
Mesentery		Hepatoblastoma	Metastatic (Liver)

* PROTOCOL REQUIRED TISSUE

Experiment Number: 10472 - 04
Test Type: CHRONIC
Route: RESPIRATORY EXPOSURE WHOLE BODY
Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

p-Chloro-a,a,a-trifluorotoluene

CAS Number: 98-56-6

Date Report Requested: 03/25/2016

Time Report Requested: 09:19:23

First Dose M/F: 01/31/11 / 01/31/11

Lab: BNW

ANIMAL ID: 614

TRT#: 7

SEX: Male

DAY ON TEST: 693

DOSE: 400 ppm

DISP: Natural Death

HISTO: 63124

ORGAN AND ACCOUNTABLE SITE STATUS

[Hepatoblastoma TGLs = 14-18]

* Prostate

Hepatoblastoma

Metastatic (Liver)

Skeletal Muscle

Hepatoblastoma

Metastatic (Liver)

[Hepatoblastoma TGLs = 7-17]

* Thymus

Hepatoblastoma

Metastatic (Liver)

PRIMARY CAUSE OF DEATH

- Liver Hepatoblastoma

Experiment Number: 10472 - 04
 Test Type: CHRONIC
 Route: RESPIRATORY EXPOSURE WHOLE BODY
 Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 p-Chloro-a,a,a-trifluorotoluene
 CAS Number: 98-56-6

Date Report Requested: 03/25/2016
 Time Report Requested: 09:19:23
 First Dose M/F: 01/31/11 / 01/31/11
 Lab: BNW

ANIMAL ID: 615

TRT#: 7

SEX: Male

DAY ON TEST: 729

DOSE: 400 ppm

DISP: Terminal Sacrifice

HISTO: 63125

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

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

* Adrenal Cortex		Hypertrophy	Minimal
* Eye		Atrophy	Marked
[Atrophy TGLs = 7-12]			
* Harderian Gland		Adenoma	
[Adenoma TGLs = 6-12]			
* Kidney		Nephropathy	Minimal
* Liver		Clear Cell Focus	
		Hepatoblastoma	
		Hepatocellular Adenoma	Multiple
		Hepatocellular Carcinoma	Multiple
	Centrilobular, Hepatocyte	Hypertrophy	Mild
		Intrahepatocellular Erythrocytes	Minimal
		Mixed Cell Focus	
	Hepatocyte	Multinucleated	Mild
	Hepatocyte	Necrosis	Minimal

Note: Slide 17 - Oncogene "normal liver" contains a small hepatocellular carcinoma
 [Hepatoblastoma TGLs = 3-16]
 [Hepatocellular Adenoma TGLs = 1,5-7+14]

* PROTOCOL REQUIRED TISSUE

Experiment Number: 10472 - 04
Test Type: CHRONIC
Route: RESPIRATORY EXPOSURE WHOLE BODY
Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
p-Chloro-a,a,a-trifluorotoluene
CAS Number: 98-56-6

Date Report Requested: 03/25/2016
Time Report Requested: 09:19:23
First Dose M/F: 01/31/11 / 01/31/11
Lab: BNW

ANIMAL ID: 615

TRT#: 7

SEX: Male

DAY ON TEST: 729

DOSE: 400 ppm

DISP: Terminal Sacrifice

HISTO: 63125

ORGAN AND ACCOUNTABLE SITE STATUS

[Hepatocellular Carcinoma	TGLs = 2,4-6+15]		
* Lung	Peribronchiolr	Fibrosis	Minimal
		Hepatoblastoma	Metastatic (Liver)
	Alv/Bron Epith	Hyperplasia	Moderate
* Nose	Olfactory Epi	Accumulation, Hyaline Droplet	Minimal
* Thymus		Ectopic Parathyroid Gland	

Experiment Number: 10472 - 04
 Test Type: CHRONIC
 Route: RESPIRATORY EXPOSURE WHOLE BODY
 Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 p-Chloro-a,a,a-trifluorotoluene
 CAS Number: 98-56-6

Date Report Requested: 03/25/2016
 Time Report Requested: 09:19:23
 First Dose M/F: 01/31/11 / 01/31/11
 Lab: BNW

ANIMAL ID: 616

TRT#: 7

SEX: Male

DAY ON TEST: 682

DOSE: 400 ppm

DISP: Moribund Sacrifice

HISTO: 63126

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Mammary Gland

OBSERVATIONS

* Bone Marrow		Hyperplasia	Minimal
* Epididymis		Exfoliated Germ Cell	Minimal
* Kidney		Nephropathy	Mild
* Liver		Clear Cell Focus	
		Hepatoblastoma	
		Hepatocellular Adenoma	Multiple
	Centrilobular, Hepatocyte	Hypertrophy	Minimal
		Intrahepatocellular Erythrocytes	Minimal
	Hepatocyte	Multinucleated	Minimal
	Hepatocyte	Necrosis	Mild
	[Clear Cell Focus TGLs = 5-14]		
	[Hepatoblastoma TGLs = 2-6]		
	[Hepatocellular Adenoma TGLs = 3,6,7,8-7+15+16+17]		
	[Necrosis TGLs = 4-18]		
* Lung	Peribronchiolr	Fibrosis	Minimal
	Alv/Bron Epith	Hyperplasia	Moderate
* Spleen		Hematopoietic Cell Proliferation	Minimal
* Testes	Germinal Epith	Degeneration	Mild

* PROTOCOL REQUIRED TISSUE

Experiment Number: 10472 - 04
Test Type: CHRONIC
Route: RESPIRATORY EXPOSURE WHOLE BODY
Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

p-Chloro-a,a,a-trifluorotoluene

CAS Number: 98-56-6

Date Report Requested: 03/25/2016

Time Report Requested: 09:19:23

First Dose M/F: 01/31/11 / 01/31/11

Lab: BNW

ANIMAL ID: 616

TRT#: 7

SEX: Male

DAY ON TEST: 682

DOSE: 400 ppm

DISP: Moribund Sacrifice

HISTO: 63126

ORGAN AND ACCOUNTABLE SITE STATUS

* Thymus

Atrophy

Moderate

PRIMARY CAUSE OF DEATH

- Liver Hepatoblastoma

Experiment Number: 10472 - 04
 Test Type: CHRONIC
 Route: RESPIRATORY EXPOSURE WHOLE BODY
 Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 p-Chloro-a,a,a-trifluorotoluene
 CAS Number: 98-56-6

Date Report Requested: 03/25/2016
 Time Report Requested: 09:19:23
 First Dose M/F: 01/31/11 / 01/31/11
 Lab: BNW

ANIMAL ID: 617

TRT#: 7

SEX: Male

DAY ON TEST: 622

DOSE: 400 ppm

DISP: Moribund Sacrifice

HISTO: 63127

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	Blood Vessel	* Bone	* Brain
* Epididymis	* Esophagus	* Eye	* Gallbladder
* Harderian Gland	* Heart	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Lymph Node, Bronchial	* Lymph Node, Mandibular	* Lymph Node, Mediastinal
* Lymph Node, Mesenteric	* Pancreas	* Parathyroid Gland	* Pituitary Gland
* Preputial Gland	* Prostate	* Salivary Glands	* Seminal Vesicle
* Testes	* Thyroid Gland	* Trachea	* Urinary Bladder

MISSING

* Mammary Gland

OBSERVATIONS

* Adrenal Medulla		Hyperplasia	Minimal
* Bone Marrow		Hyperplasia	Minimal
* Kidney		Nephropathy	Mild
* Larynx	Squam Epithel	Hyperplasia	Mild
	Squam Epithel	Inflammation	Mild
	Squam Epithel	Ulcer	Mild
* Liver		Eosinophilic Focus	
		Hepatocellular Carcinoma	
	Centrilobular, Hepatocyte	Hypertrophy	Minimal
		Intrahepatocellular Erythrocytes	Minimal
	Hepatocyte	Multinucleated	Minimal
	[Hepatocellular Carcinoma TGLs = 2-6,14]		
* Lung	Peribronchiolr	Fibrosis	Minimal
	Alv/Bron Epith	Hyperplasia	Mild
* Nose		Inflammation	Suppurative, Marked
		Necrosis	Marked
* Skin	Subcut Tiss	Fibrous Histiocytoma	
	[Fibrous Histiocytoma TGLs = 1-7]		
* Spleen		Hematopoietic Cell Proliferation	Minimal

* PROTOCOL REQUIRED TISSUE

Experiment Number: 10472 - 04
Test Type: CHRONIC
Route: RESPIRATORY EXPOSURE WHOLE BODY
Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

p-Chloro-a,a,a-trifluorotoluene

CAS Number: 98-56-6

Date Report Requested: 03/25/2016

Time Report Requested: 09:19:23

First Dose M/F: 01/31/11 / 01/31/11

Lab: BNW

ANIMAL ID: 617

TRT#: 7

SEX: Male

DAY ON TEST: 622

DOSE: 400 ppm

DISP: Moribund Sacrifice

HISTO: 63127

ORGAN AND ACCOUNTABLE SITE STATUS

* Stomach, Forestomach	Epithelium	Hyperplasia	Marked
		Inflammation	Moderate
		Squamous Cell Papilloma	
* Stomach, Glandular	Epithelium	Ulcer	Mild
[Hyperplasia TGLs = 3-10]		Hyperplasia	Mild
* Thymus		Atrophy	Mild

PRIMARY CAUSE OF DEATH - Liver Hepatocellular Carcinoma

Experiment Number: 10472 - 04
 Test Type: CHRONIC
 Route: RESPIRATORY EXPOSURE WHOLE BODY
 Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 p-Chloro-a,a,a-trifluorotoluene
 CAS Number: 98-56-6

Date Report Requested: 03/25/2016
 Time Report Requested: 09:19:23
 First Dose M/F: 01/31/11 / 01/31/11
 Lab: BNW

ANIMAL ID: 618

TRT#: 7

SEX: Male

DAY ON TEST: 730

DOSE: 400 ppm

DISP: Terminal Sacrifice

HISTO: 63128

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	Blood Vessel	* Bone
* Brain	* Epididymis	* Esophagus	* Eye
* Gallbladder	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Larynx	* Lymph Node, Bronchial	* Lymph Node, Mandibular	* Lymph Node, Mediastinal
* Lymph Node, Mesenteric	* Nose	* Pancreas	* Pituitary Gland
* Preputial Gland	* Prostate	* Salivary Glands	* Seminal Vesicle
* Skin	* Stomach, Forestomach	* Stomach, Glandular	* Testes
* Thyroid Gland	* Trachea	* Urinary Bladder	

MISSING

* Mammary Gland	* Parathyroid Gland
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OBSERVATIONS

* Bone Marrow		Hyperplasia	Minimal
* Harderian Gland		Adenoma	
* Heart		Cardiomyopathy	Minimal
* Kidney		Nephropathy	Moderate
* Liver		Hepatocellular Carcinoma	Multiple
	Centrilobular, Hepatocyte	Hypertrophy	Minimal
	Hepatocyte	Multinucleated	Mild
[Hepatocellular Carcinoma	TGLs = 1,2,3,4,5-6+14+15+16+17]		
* Lung	Peribronchiolr	Fibrosis	Minimal
		Hepatocellular Carcinoma	Metastatic (Liver)
	Alv/Bron Epith	Hyperplasia	Moderate
* Spleen		Hematopoietic Cell Proliferation	Minimal
	Lymph Follic	Hyperplasia	Minimal
* Stom Forestom			
Note: TGLS 6 = NCL			
* Thymus		Atrophy	Mild

* PROTOCOL REQUIRED TISSUE

Experiment Number: 10472 - 04
 Test Type: CHRONIC
 Route: RESPIRATORY EXPOSURE WHOLE BODY
 Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 p-Chloro-a,a,a-trifluorotoluene
 CAS Number: 98-56-6

Date Report Requested: 03/25/2016
 Time Report Requested: 09:19:23
 First Dose M/F: 01/31/11 / 01/31/11
 Lab: BNW

ANIMAL ID: 619

TRT#: 7

SEX: Male

DAY ON TEST: 661

DOSE: 400 ppm

DISP: Moribund Sacrifice

HISTO: 63129

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Lymph Node, Mediastinal	* Mammary Gland
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OBSERVATIONS

* Kidney	Renal Tubule	Adenoma Nephropathy	Moderate
	[Adenoma TGLs = 8-7]		
* Liver		Eosinophilic Focus Hepatocellular Adenoma Hepatocellular Carcinoma	Multiple Multiple
	Centrilobular, Hepatocyte Hepatocyte	Hypertrophy Multinucleated	Mild Mild
	[Hepatocellular Adenoma TGLs = 7-15]		
	[Hepatocellular Carcinoma TGLs = 2,3,4,5,6-6+7+14+16+17]		
* Lung	Peribronchiolr	Fibrosis Hepatocellular Carcinoma	Minimal Metastatic (Liver)
	Alv/Bron Epith Respirat Epith	Hyperplasia Accumulation, Hyaline Droplet	Minimal Minimal
* Nose		Ectasia	Mild
* Preputial Gland	[Ectasia TGLs = 1-9]		
* Spleen		Hematopoietic Cell Proliferation	Minimal
* Stomach, Forestomach	Epithelium	Hyperplasia	Moderate

* PROTOCOL REQUIRED TISSUE

Experiment Number: 10472 - 04
Test Type: CHRONIC
Route: RESPIRATORY EXPOSURE WHOLE BODY
Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

p-Chloro-a,a,a-trifluorotoluene

CAS Number: 98-56-6

Date Report Requested: 03/25/2016

Time Report Requested: 09:19:23

First Dose M/F: 01/31/11 / 01/31/11

Lab: BNW

ANIMAL ID: 619

TRT#: 7

SEX: Male

DAY ON TEST: 661

DOSE: 400 ppm

DISP: Moribund Sacrifice

HISTO: 63129

ORGAN AND ACCOUNTABLE SITE STATUS

* Testes

Germinal Epith

Inflammation

Mild

Degeneration

Minimal

* Thymus

Atrophy

Mild

PRIMARY CAUSE OF DEATH

- Liver Hepatocellular Carcinoma

Experiment Number: 10472 - 04
 Test Type: CHRONIC
 Route: RESPIRATORY EXPOSURE WHOLE BODY
 Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 p-Chloro-a,a,a-trifluorotoluene
 CAS Number: 98-56-6

Date Report Requested: 03/25/2016
 Time Report Requested: 09:19:23
 First Dose M/F: 01/31/11 / 01/31/11
 Lab: BNW

ANIMAL ID: 620

TRT#: 7

SEX: Male

DAY ON TEST: 729

DOSE: 400 ppm

DISP: Terminal Sacrifice

HISTO: 63130

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Gallbladder	* Mammary Gland	* Parathyroid Gland
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OBSERVATIONS

* Kidney		Nephropathy	Minimal
* Liver		Clear Cell Focus	
		Eosinophilic Focus	
		Hepatocellular Adenoma	Multiple
	Centrilobular, Hepatocyte	Hypertrophy	Mild
		Intrahepatocellular Erythrocytes	Mild
	Hepatocyte	Multinucleated	Minimal
	[Clear Cell Focus TGLs = 1,4-6+14]		
	[Eosinophilic Focus TGLs = 3-7]		
	[Hepatocellular Adenoma TGLs = 2-6]		
* Lung	Peribronchiolr	Fibrosis	Minimal
	Alv/Bron Epith	Hyperplasia	Marked

* PROTOCOL REQUIRED TISSUE

Experiment Number: 10472 - 04
 Test Type: CHRONIC
 Route: RESPIRATORY EXPOSURE WHOLE BODY
 Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 p-Chloro-a,a,a-trifluorotoluene
 CAS Number: 98-56-6

Date Report Requested: 03/25/2016
 Time Report Requested: 09:19:23
 First Dose M/F: 01/31/11 / 01/31/11
 Lab: BNW

ANIMAL ID: 621

TRT#: 7

SEX: Male

DAY ON TEST: 670

DOSE: 400 ppm

DISP: Moribund Sacrifice

HISTO: 63131

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Mammary Gland

OBSERVATIONS

* Bone Marrow		Lymphoma Malignant	
* Intestine Small, Ileum		Lymphoma Malignant	
	[Lymphoma Malignant TGLs = 11-19]		
* Liver		Hepatocellular Adenoma	Multiple
	Centrilobular, Hepatocyte	Hypertrophy	Minimal
		Lymphoma Malignant	
	Hepatocyte	Multinucleated	Minimal
	Hepatocyte	Necrosis	Minimal
	[Hepatocellular Adenoma TGLs = 3,4,5-6+7+14]		
* Lung		Fibrosis	Minimal
	Peribronchiolr	Hyperplasia	Marked
	Alv/Bron Epith		
Lymph Node		Renal	Lymphoma Malignant
		Lumbar	Lymphoma Malignant
	[Lymphoma Malignant TGLs = 7-15]		
	[Lymphoma Malignant TGLs = 8-16]		
* Lymph Node, Bronchial			Lymphoma Malignant
	[Lymphoma Malignant TGLs = 2-5]		
* Lymph Node, Mandibular			Lymphoma Malignant
* Lymph Node, Mediastinal			Lymphoma Malignant

* PROTOCOL REQUIRED TISSUE

Experiment Number: 10472 - 04
Test Type: CHRONIC
Route: RESPIRATORY EXPOSURE WHOLE BODY
Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
p-Chloro-a,a,a-trifluorotoluene
CAS Number: 98-56-6

Date Report Requested: 03/25/2016
Time Report Requested: 09:19:23
First Dose M/F: 01/31/11 / 01/31/11
Lab: BNW

ANIMAL ID: 621

TRT#: 7

SEX: Male

DAY ON TEST: 670

DOSE: 400 ppm

DISP: Moribund Sacrifice

HISTO: 63131

ORGAN AND ACCOUNTABLE SITE STATUS

[Lymphoma Malignant TGLs = 1-4]		
* Lymph Node, Mesenteric	Lymphoma Malignant	
[Lymphoma Malignant TGLs = 10-18]		
* Preputial Gland	Ectasia	Mild
* Skin	Inflammation	Mild
	Ulcer	Mild
[Ulcer TGLs = 9-17]		
* Spleen	Hematopoietic Cell Proliferation	Mild
	Lymphoma Malignant	
[Lymphoma Malignant TGLs = 6-6]		
* Thymus	Lymphoma Malignant	

PRIMARY CAUSE OF DEATH - Lymph Node, Mesenteric Lymphoma Malignant

Experiment Number: 10472 - 04
 Test Type: CHRONIC
 Route: RESPIRATORY EXPOSURE WHOLE BODY
 Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 p-Chloro-a,a,a-trifluorotoluene
 CAS Number: 98-56-6

Date Report Requested: 03/25/2016
 Time Report Requested: 09:19:23
 First Dose M/F: 01/31/11 / 01/31/11
 Lab: BNW

ANIMAL ID: 622

TRT#: 7

SEX: Male

DAY ON TEST: 592

DOSE: 400 ppm

DISP: Moribund Sacrifice

HISTO: 63132

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Mammary Gland

INSUFFICIENT TISSUE

* Lymph Node, Mediastinal * Thymus

OBSERVATIONS

* Heart		Cardiomyopathy	Minimal
* Intestine Small, Duodenum		Hepatocellular Carcinoma	Metastatic (Liver)
		Inflammation	Moderate
		Thrombosis	Mild
	[Inflammation TGLs = 5-15]		
* Kidney		Nephropathy	Marked
	[Nephropathy TGLs = 1-7]		
* Larynx		Squam Epithel	Hyperplasia
		Squam Epithel	Inflammation
		Squam Epithel	Necrosis
		Squam Epithel	Ulcer
* Liver		Hepatocellular Carcinoma	Multiple
		Centrilobular, Hepatocyte	Hypertrophy
		Hepatocyte	Multinucleated
		Hepatocyte	Necrosis
	[Hepatocellular Carcinoma TGLs = 2,3,4-6+7+14]		

* PROTOCOL REQUIRED TISSUE

Experiment Number: 10472 - 04
Test Type: CHRONIC
Route: RESPIRATORY EXPOSURE WHOLE BODY
Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
p-Chloro-a,a,a-trifluorotoluene
CAS Number: 98-56-6

Date Report Requested: 03/25/2016
Time Report Requested: 09:19:23
First Dose M/F: 01/31/11 / 01/31/11
Lab: BNW

ANIMAL ID: 622

TRT#: 7

SEX: Male

DAY ON TEST: 592

DOSE: 400 ppm

DISP: Moribund Sacrifice

HISTO: 63132

ORGAN AND ACCOUNTABLE SITE STATUS

* Lung	Alv/Bron Epith	Hyperplasia	Minimal
* Lymph Node, Mesenteric		Angiectasis	Minimal
		Inflammation	Minimal
* Nose	Olfactory Epi	Accumulation, Hyaline Droplet	Minimal
* Spleen		Hematopoietic Cell Proliferation	Mild
* Testes	Germinal Epith	Degeneration	Mild

PRIMARY CAUSE OF DEATH - Liver Hepatocellular Carcinoma

Experiment Number: 10472 - 04
 Test Type: CHRONIC
 Route: RESPIRATORY EXPOSURE WHOLE BODY
 Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 p-Chloro-a,a,a-trifluorotoluene
 CAS Number: 98-56-6

Date Report Requested: 03/25/2016
 Time Report Requested: 09:19:23
 First Dose M/F: 01/31/11 / 01/31/11
 Lab: BNW

ANIMAL ID: 623

TRT#: 7

SEX: Male

DAY ON TEST: 655

DOSE: 400 ppm

DISP: Natural Death

HISTO: 63133

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Mammary Gland

OBSERVATIONS

* Bone Marrow		Hyperplasia	Minimal
* Harderian Gland		Adenoma	
* Kidney		Nephropathy	Mild
* Liver		Hepatoblastoma	
		Hepatocellular Adenoma	Multiple
	Centrilobular, Hepatocyte	Hypertrophy	Mild
	Hepatocyte	Multinucleated	Mild
	Hepatocyte	Necrosis	Mild
	[Hepatoblastoma TGLs = 1-14]		
	[Hepatocellular Adenoma TGLs = 3,4,6-6+7+16]		
	[Necrosis TGLs = 5-15]		
* Lung	Peribronchiolr	Fibrosis	Minimal
		Hepatoblastoma	Metastatic (Liver)
	Alv/Bron Epith	Hyperplasia	Minimal
	[Hepatoblastoma TGLs = 2-5]		
* Thymus		Atrophy	Mild

PRIMARY CAUSE OF DEATH - Liver Hepatoblastoma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 10472 - 04
 Test Type: CHRONIC
 Route: RESPIRATORY EXPOSURE WHOLE BODY
 Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 p-Chloro-a,a,a-trifluorotoluene
 CAS Number: 98-56-6

Date Report Requested: 03/25/2016
 Time Report Requested: 09:19:23
 First Dose M/F: 01/31/11 / 01/31/11
 Lab: BNW

ANIMAL ID: 624

TRT#: 7

SEX: Male

DAY ON TEST: 730

DOSE: 400 ppm

DISP: Terminal Sacrifice

HISTO: 63134

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Mammary Gland

OBSERVATIONS

* Bone Marrow		Hyperplasia	Minimal
* Heart		Cardiomyopathy	Minimal
* Kidney		Nephropathy	Minimal
* Liver		Basophilic Focus	
		Clear Cell Focus	
		Eosinophilic Focus	
		Hepatocellular Adenoma	Multiple
		Hepatocellular Carcinoma	Multiple
	Centrilobular, Hepatocyte	Hypertrophy	Mild
	Hepatocyte	Intrahepatocellular Erythrocytes	Minimal
	[Basophilic Focus TGLs = 7-7]	Multinucleated	Mild
	[Hepatocellular Adenoma TGLs = 4,8,9,11-14+17+18+19]		
	[Hepatocellular Carcinoma TGLs = 3,5,6,10,-6+15+16]		
* Lung		Alveolar/Bronchiolar Carcinoma	
	Peribronchiolr	Fibrosis	Minimal
	Alv/Bron Epith	Hyperplasia	Moderate

* PROTOCOL REQUIRED TISSUE

Experiment Number: 10472 - 04
Test Type: CHRONIC
Route: RESPIRATORY EXPOSURE WHOLE BODY
Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
p-Chloro-a,a,a-trifluorotoluene
CAS Number: 98-56-6

Date Report Requested: 03/25/2016
Time Report Requested: 09:19:23
First Dose M/F: 01/31/11 / 01/31/11
Lab: BNW

ANIMAL ID: 624

TRT#: 7

SEX: Male

DAY ON TEST: 730

DOSE: 400 ppm

DISP: Terminal Sacrifice

HISTO: 63134

ORGAN AND ACCOUNTABLE SITE STATUS

[Alveolar/Bronchiolar Carcinoma	TGLs = 1-5]		
Mesentery	Fat	Necrosis	Minimal
[Necrosis	TGLs = 2-15]		
* Thymus		Ectopic Parathyroid Gland	

Experiment Number: 10472 - 04
 Test Type: CHRONIC
 Route: RESPIRATORY EXPOSURE WHOLE BODY
 Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 p-Chloro-a,a,a-trifluorotoluene
 CAS Number: 98-56-6

Date Report Requested: 03/25/2016
 Time Report Requested: 09:19:23
 First Dose M/F: 01/31/11 / 01/31/11
 Lab: BNW

ANIMAL ID: 625

TRT#: 7

SEX: Male

DAY ON TEST: 632

DOSE: 400 ppm

DISP: Natural Death

HISTO: 63135

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Mammary Gland

OBSERVATIONS

* Adrenal Cortex		Hypertrophy	Minimal
* Heart		Cardiomyopathy	Mild
* Kidney		Nephropathy	Mild
* Liver		Hepatocellular Carcinoma	Multiple
	Centrilobular, Hepatocyte	Hypertrophy	Minimal
	Hepatocyte	Multinucleated	Minimal
[Hepatocellular Carcinoma	TGLs = 5,6,7-6+14]		
* Lung		Alveolar/Bronchiolar Carcinoma	
	Peribronchiolr	Fibrosis	Minimal
		Hepatocellular Carcinoma	Metastatic (Liver)
	Alv/Bron Epith	Hyperplasia	Mild
	[Alveolar/Bronchiolar Carcinoma		
	TGLs = 2-5]		
	[Hepatocellular Carcinoma		
	TGLs = 3,4-5]		
* Nose	Respirat Epith	Accumulation, Hyaline Droplet	Minimal
* Spleen		Hematopoietic Cell Proliferation	Mild

PRIMARY CAUSE OF DEATH - Liver Hepatocellular Carcinoma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 10472 - 04
 Test Type: CHRONIC
 Route: RESPIRATORY EXPOSURE WHOLE BODY
 Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 p-Chloro-a,a,a-trifluorotoluene
 CAS Number: 98-56-6

Date Report Requested: 03/25/2016
 Time Report Requested: 09:19:23
 First Dose M/F: 01/31/11 / 01/31/11
 Lab: BNW

ANIMAL ID: 626

TRT#: 7

SEX: Male

DAY ON TEST: 729

DOSE: 400 ppm

DISP: Terminal Sacrifice

HISTO: 63136

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Mammary Gland

OBSERVATIONS

* Bone Marrow		Hyperplasia	Minimal
* Kidney		Nephropathy	Minimal
* Liver		Eosinophilic Focus	
		Hepatocellular Adenoma	Multiple
		Hepatocellular Carcinoma	Multiple
	Centrilobular, Hepatocyte	Hypertrophy	Minimal
	Hepatocyte	Multinucleated	Minimal
	[Hepatocellular Adenoma TGLs = 1,3,4,5,6-6+7+14+16]		
	[Hepatocellular Carcinoma TGLs = 2-15]		
* Lung	Peribronchiolr	Fibrosis	Minimal
	Alv/Bron Epith	Hyperplasia	Moderate
* Nose	Olfactory Epi	Accumulation, Hyaline Droplet	Minimal
* Stomach, Forestomach	Epithelium	Cyst	Squamous
	Epithelium	Hyperplasia	Minimal
		Inflammation	Minimal

* PROTOCOL REQUIRED TISSUE

Experiment Number: 10472 - 04
 Test Type: CHRONIC
 Route: RESPIRATORY EXPOSURE WHOLE BODY
 Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANATOMY PATHOLOGY DATA
 p-Chloro-a,a,a-trifluorotoluene
 CAS Number: 98-56-6

Date Report Requested: 03/25/2016
 Time Report Requested: 09:19:23
 First Dose M/F: 01/31/11 / 01/31/11
 Lab: BNW

ANIMAL ID: 627

TRT#: 7

SEX: Male

DAY ON TEST: 729

DOSE: 400 ppm

DISP: Terminal Sacrifice

HISTO: 63137

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Mammary Gland	* Parathyroid Gland
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OBSERVATIONS

* Bone Marrow		Hyperplasia	Minimal
* Kidney		Nephropathy	Minimal
		Pigmentation	Mild
* Liver		Hepatoblastoma	
		Hepatocellular Adenoma	Multiple
	Centrilobular, Hepatocyte	Hypertrophy	Minimal
	Hepatocyte	Multinucleated	Minimal
	[Hepatoblastoma TGLs = 1-14]		
	[Hepatocellular Adenoma TGLs = 2,3-15+16]		
* Lung	Peribronchiolr	Fibrosis	Minimal
		Hepatoblastoma	Metastatic (Liver)
	Alv/Bron Epith	Hyperplasia	Moderate
* Nose	Turbinate	Atrophy	Mild
		Inflammation	Suppurative, Moderate
	Respirat Epith	Metaplasia	Squamous, Mild
* Spleen		Hematopoietic Cell Proliferation	Moderate
* Testes	Germinal Epith	Degeneration	Mild
* Thymus		Atrophy	Moderate

* PROTOCOL REQUIRED TISSUE

Experiment Number: 10472 - 04
 Test Type: CHRONIC
 Route: RESPIRATORY EXPOSURE WHOLE BODY
 Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 p-Chloro-a,a,a-trifluorotoluene
 CAS Number: 98-56-6

Date Report Requested: 03/25/2016
 Time Report Requested: 09:19:23
 First Dose M/F: 01/31/11 / 01/31/11
 Lab: BNW

ANIMAL ID: 628

TRT#: 7

SEX: Male

DAY ON TEST: 643

DOSE: 400 ppm

DISP: Moribund Sacrifice

HISTO: 63138

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

- * Mammary Gland

OBSERVATIONS

- | | | | |
|--|---------------------------|----------------------------------|----------|
| * Harderian Gland | | Adenoma | |
| [Adenoma TGLs = 6-12] | | | |
| * Kidney | | Nephropathy | Mild |
| * Liver | | Eosinophilic Focus | |
| | | Hepatocellular Adenoma | |
| | | Hepatocellular Carcinoma | Multiple |
| | Centrilobular, Hepatocyte | Hypertrophy | Minimal |
| | | Intrahepatocellular Erythrocytes | Minimal |
| | | Mixed Cell Focus | |
| | Hepatocyte | Multinucleated | Minimal |
| | Hepatocyte | Necrosis | Mild |
| Note: thrombosis was associated with the necrotic lesion seen in TGL 5 | | | |
| [Hepatocellular Adenoma TGLs = 3-7] | | | |
| [Hepatocellular Carcinoma TGLs = 1,4-14+15] | | | |
| [Mixed Cell Focus TGLs = 2-6] | | | |
| [Necrosis TGLs = 5-16] | | | |
| * Lung | Peribronchiolr | Fibrosis | Minimal |

* PROTOCOL REQUIRED TISSUE

Experiment Number: 10472 - 04
Test Type: CHRONIC
Route: RESPIRATORY EXPOSURE WHOLE BODY
Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
p-Chloro-a,a,a-trifluorotoluene
CAS Number: 98-56-6

Date Report Requested: 03/25/2016
Time Report Requested: 09:19:23
First Dose M/F: 01/31/11 / 01/31/11
Lab: BNW

ANIMAL ID: 628

TRT#: 7

SEX: Male

DAY ON TEST: 643

DOSE: 400 ppm

DISP: Moribund Sacrifice

HISTO: 63138

ORGAN AND ACCOUNTABLE SITE STATUS

	Alv/Bron Epith	Hyperplasia	Moderate
	Alveolus	Infiltration Cellular	Histiocyte, Minimal
* Spleen		Hematopoietic Cell Proliferation	Mild
* Stomach, Forestomach		Inflammation	Minimal
* Thymus		Atrophy	Minimal

PRIMARY CAUSE OF DEATH - Liver Hepatocellular Carcinoma

Experiment Number: 10472 - 04
 Test Type: CHRONIC
 Route: RESPIRATORY EXPOSURE WHOLE BODY
 Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 p-Chloro-a,a,a-trifluorotoluene
 CAS Number: 98-56-6

Date Report Requested: 03/25/2016
 Time Report Requested: 09:19:23
 First Dose M/F: 01/31/11 / 01/31/11
 Lab: BNW

ANIMAL ID: 629

TRT#: 7

SEX: Male

DAY ON TEST: 730

DOSE: 400 ppm

DISP: Terminal Sacrifice

HISTO: 63139

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Mammary Gland

OBSERVATIONS

* Intestine Small, Ileum	Peyers Patch	Hyperplasia	Minimal
* Kidney		Nephropathy	Mild
* Liver		Hepatoblastoma	Multiple
		Hepatocellular Adenoma	Multiple
		Hepatocellular Carcinoma	
	Centrilobular, Hepatocyte	Hypertrophy	Minimal
	Hepatocyte	Multinucleated	Minimal
	[Hepatoblastoma TGLs = 5,6-6+7]		
	[Hepatocellular Adenoma TGLs = 2,3,4-6+14+15]		
* Lung		Alveolar/Bronchiolar Adenoma	
	Peribronchiolr	Fibrosis	Minimal
	Alv/Bron Epith	Hyperplasia	Moderate
	[Alveolar/Bronchiolar Adenoma TGLs = 1-5]		
* Thymus		Ectopic Parathyroid Gland	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 10472 - 04
 Test Type: CHRONIC
 Route: RESPIRATORY EXPOSURE WHOLE BODY
 Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 p-Chloro-a,a,a-trifluorotoluene
 CAS Number: 98-56-6

Date Report Requested: 03/25/2016
 Time Report Requested: 09:19:23
 First Dose M/F: 01/31/11 / 01/31/11
 Lab: BNW

ANIMAL ID: 630

TRT#: 7

SEX: Male

DAY ON TEST: 638

DOSE: 400 ppm

DISP: Natural Death

HISTO: 63140

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Mammary Gland

OBSERVATIONS

* Liver		Hepatoblastoma	
		Hepatocellular Carcinoma	Multiple
	Centrilobular, Hepatocyte	Hypertrophy	Mild
	Hepatocyte	Multinucleated	Mild
	Hepatocyte	Necrosis	Minimal
	[Hepatoblastoma TGLs = 2-7]		
	[Hepatocellular Carcinoma TGLs = 1,3-6+14]		
	[Necrosis TGLs = 4,5-15+16]		
* Lung	Peribronchiolr	Fibrosis	Minimal
	Alv/Bron Epith	Hyperplasia	Mild
* Pancreas	Acinus	Atrophy	Minimal
* Stomach, Forestomach	Epithelium	Hyperplasia	Moderate
		Inflammation	Mild
* Stomach, Glandular		Inflammation	Mild
* Thymus		Atrophy	Mild

PRIMARY CAUSE OF DEATH - Liver Hepatocellular Carcinoma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 10472 - 04
 Test Type: CHRONIC
 Route: RESPIRATORY EXPOSURE WHOLE BODY
 Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 p-Chloro-a,a,a-trifluorotoluene
 CAS Number: 98-56-6

Date Report Requested: 03/25/2016
 Time Report Requested: 09:19:23
 First Dose M/F: 01/31/11 / 01/31/11
 Lab: BNW

ANIMAL ID: 631

TRT#: 7

SEX: Male

DAY ON TEST: 729

DOSE: 400 ppm

DISP: Terminal Sacrifice

HISTO: 63141

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	Blood Vessel	* Bone
* Brain	* Epididymis	* Esophagus	* Eye
* Gallbladder	* Harderian Gland	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Larynx	* Lymph Node, Bronchial	* Lymph Node, Mediastinal
* Lymph Node, Mesenteric	* Pituitary Gland	* Preputial Gland	* Prostate
* Salivary Glands	* Seminal Vesicle	* Skin	* Stomach, Glandular
* Testes	* Thymus	* Thyroid Gland	* Trachea
* Urinary Bladder			

MISSING

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

* Bone Marrow		Hyperplasia	Minimal
* Heart		Cardiomyopathy	Minimal
* Kidney		Nephropathy	Minimal
* Liver		Clear Cell Focus	
		Eosinophilic Focus	
		Hepatoblastoma	
		Hepatocellular Adenoma	Multiple
	Centrilobular, Hepatocyte	Hypertrophy	Mild
	Hepatocyte	Multinucleated	Minimal
	[Clear Cell Focus TGLs = 8,10-6+22]		
	[Eosinophilic Focus TGLs = 5,6,9-7+18+19]		
	[Hepatoblastoma TGLs = 1-14]		
	[Hepatocellular Adenoma TGLs = 2,3,4,7-15+16+17+20]		
* Lung	Peribronchiolr	Fibrosis	Minimal
	Alv/Bron Epith	Hyperplasia	Marked
* Nose	Respirat Epith	Accumulation, Hyaline Droplet	Minimal
* Pancreas	Acinus	Atrophy	Mild
* Spleen	Lymph Follic	Hyperplasia	Minimal

* PROTOCOL REQUIRED TISSUE

Experiment Number: 10472 - 04
Test Type: CHRONIC
Route: RESPIRATORY EXPOSURE WHOLE BODY
Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
p-Chloro-a,a,a-trifluorotoluene
CAS Number: 98-56-6

Date Report Requested: 03/25/2016
Time Report Requested: 09:19:23
First Dose M/F: 01/31/11 / 01/31/11
Lab: BNW

ANIMAL ID: 631

TRT#: 7

SEX: Male

DAY ON TEST: 729

DOSE: 400 ppm

DISP: Terminal Sacrifice

HISTO: 63141

ORGAN AND ACCOUNTABLE SITE STATUS

* Stomach, Forestomach

Epithelium

Hyperplasia

Minimal

Inflammation

Minimal

Experiment Number: 10472 - 04
 Test Type: CHRONIC
 Route: RESPIRATORY EXPOSURE WHOLE BODY
 Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 p-Chloro-a,a,a-trifluorotoluene
 CAS Number: 98-56-6

Date Report Requested: 03/25/2016
 Time Report Requested: 09:19:23
 First Dose M/F: 01/31/11 / 01/31/11
 Lab: BNW

ANIMAL ID: 632

TRT#: 7

SEX: Male

DAY ON TEST: 731

DOSE: 400 ppm

DISP: Terminal Sacrifice

HISTO: 63142

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Mammary Gland

OBSERVATIONS

* Adrenal Cortex		Hypertrophy	Minimal
* Bone Marrow		Hyperplasia	Minimal
* Eye		Inflammation	Minimal
Note: Inflammation involves the cornea and eyelid [Inflammation TGLs = 1-15]			
* Kidney		Nephropathy	Minimal
* Liver		Hepatoblastoma	Multiple
		Hepatocellular Adenoma	
		Hepatocellular Carcinoma	Multiple
	Centrilobular, Hepatocyte	Hypertrophy	Minimal
	Hepatocyte	Multinucleated	Minimal
[Hepatoblastoma TGLs = 2,5-6+14]			
[Hepatocellular Adenoma TGLs = 6-7]			
[Hepatocellular Carcinoma TGLs = 3,4-6]			
* Lung	Peribronchiolr	Fibrosis	Minimal
	Alv/Bron Epith	Hyperplasia	Moderate
* Nose		Inflammation	Suppurative, Mild

* PROTOCOL REQUIRED TISSUE

Experiment Number: 10472 - 04
Test Type: CHRONIC
Route: RESPIRATORY EXPOSURE WHOLE BODY
Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 p-Chloro-a,a,a-trifluorotoluene
CAS Number: 98-56-6

Date Report Requested: 03/25/2016
Time Report Requested: 09:19:23
First Dose M/F: 01/31/11 / 01/31/11
Lab: BNW

ANIMAL ID: 633

TRT#: 7

SEX: Male

DAY ON TEST: 656

DOSE: 400 ppm

DISP: Moribund Sacrifice

HISTO: 63143

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	Blood Vessel	* Bone	* Brain
* Epididymis	* Esophagus	* Eye	* Gallbladder
* Harderian Gland	* Heart	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Islets, Pancreatic	* Larynx	* Pancreas
* Pituitary Gland	* Prostate	* Salivary Glands	* Seminal Vesicle
* Skin	* Stomach, Glandular	* Testes	* Thyroid Gland
* Trachea	* Urinary Bladder		

MISSING

* Mammary Gland	* Parathyroid Gland
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OBSERVATIONS

* Adrenal Cortex		Hypertrophy	Minimal
* Bone Marrow		Lymphoma Malignant	
* Intestine Small, Duodenum		Lymphoma Malignant	
* Intestine Small, Ileum		Lymphoma Malignant	
* Intestine Small, Jejunum		Lymphoma Malignant	
	[Lymphoma Malignant TGLs = 9-8]		
* Kidney		Cyst	
	[Cyst TGLs = 5-7]	Nephropathy	Minimal
* Liver		Eosinophilic Focus	
		Hepatocellular Adenoma	
	Centrilobular, Hepatocyte	Hypertrophy	Minimal
		Lymphoma Malignant	
		Mixed Cell Focus	
	Hepatocyte	Multinucleated	Minimal
	[Hepatocellular Adenoma TGLs = 10-7]		
	[Mixed Cell Focus TGLs = 4-6]		
* Lung	Peribronchiolr	Fibrosis	Minimal
	Alv/Bron Epith	Hyperplasia	Moderate
		Lymphoma Malignant	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 10472 - 04
Test Type: CHRONIC
Route: RESPIRATORY EXPOSURE WHOLE BODY
Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 p-Chloro-a,a,a-trifluorotoluene
CAS Number: 98-56-6

Date Report Requested: 03/25/2016
Time Report Requested: 09:19:23
First Dose M/F: 01/31/11 / 01/31/11
Lab: BNW

ANIMAL ID: 633

TRT#: 7

SEX: Male

DAY ON TEST: 656

DOSE: 400 ppm

DISP: Moribund Sacrifice

HISTO: 63143

ORGAN AND ACCOUNTABLE SITE STATUS

Lymph Node	Iliac	Lymphoma Malignant	
	Renal	Lymphoma Malignant	
[Lymphoma Malignant	TGLs = 6-14]		
[Lymphoma Malignant	TGLs = 7-15]		
* Lymph Node, Bronchial		Ectasia	Mild
* Lymph Node, Mandibular		Lymphoma Malignant	
* Lymph Node, Mediastinal		Lymphoma Malignant	
[Lymphoma Malignant	TGLs = 2-4]		
* Lymph Node, Mesenteric		Lymphoma Malignant	
[Lymphoma Malignant	TGLs = 8-16]		
* Nose	Olfactory Epi	Accumulation, Hyaline Droplet	Minimal
* Preputial Gland		Lymphoma Malignant	
* Spleen		Lymphoma Malignant	
[Lymphoma Malignant	TGLs = 3-6]		
* Stomach, Forestomach	Epithelium	Hyperplasia	Minimal
* Thymus		Lymphoma Malignant	

PRIMARY CAUSE OF DEATH - Lymph Node, Mesenteric Lymphoma Malignant

Experiment Number: 10472 - 04
 Test Type: CHRONIC
 Route: RESPIRATORY EXPOSURE WHOLE BODY
 Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 p-Chloro-a,a,a-trifluorotoluene
 CAS Number: 98-56-6

Date Report Requested: 03/25/2016
 Time Report Requested: 09:19:23
 First Dose M/F: 01/31/11 / 01/31/11
 Lab: BNW

ANIMAL ID: 634

TRT#: 7

SEX: Male

DAY ON TEST: 577

DOSE: 400 ppm

DISP: Natural Death

HISTO: 63144

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Gallbladder	* Mammary Gland
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OBSERVATIONS

* Kidney		Nephropathy	Mild
* Liver		Hepatocellular Carcinoma	Multiple
	Hepatocyte	Multinucleated	Minimal
	[Hepatocellular Carcinoma TGLs = 7,8,9,10-6+14+15+17]		
* Lung		Hepatoblastoma	Metastatic (Uncertain Primary Site)
	[Hepatocellular Carcinoma TGLs = 2,3,4,5,6,11-5+7+14+15+16]	Hepatocellular Carcinoma	Metastatic (Liver)
* Spleen		Hematopoietic Cell Proliferation	Moderate
* Thymus		Atrophy	Mild

PRIMARY CAUSE OF DEATH - Liver Hepatocellular Carcinoma

Experiment Number: 10472 - 04
 Test Type: CHRONIC
 Route: RESPIRATORY EXPOSURE WHOLE BODY
 Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 p-Chloro-a,a,a-trifluorotoluene
 CAS Number: 98-56-6

Date Report Requested: 03/25/2016
 Time Report Requested: 09:19:23
 First Dose M/F: 01/31/11 / 01/31/11
 Lab: BNW

ANIMAL ID: 635

TRT#: 7

SEX: Male

DAY ON TEST: 729

DOSE: 400 ppm

DISP: Terminal Sacrifice

HISTO: 63145

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Gallbladder	* Lymph Node, Mediastinal	* Mammary Gland
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OBSERVATIONS

* Adrenal Cortex		Hepatocellular Carcinoma	Metastatic (Liver)
* Bone Marrow		Hyperplasia	Minimal
* Epididymis		Exfoliated Germ Cell	Mild
* Kidney		Nephropathy	Minimal
		Pigmentation	Mild
* Larynx	Squam Epithel	Hyperplasia	Minimal
* Liver		Hepatoblastoma	
		Hepatocellular Carcinoma	Multiple
	Centrilobular, Hepatocyte	Hypertrophy	Minimal
	Hepatocyte	Multinucleated	Minimal
	Hepatocyte	Necrosis	Mild
	[Hepatoblastoma TGLs = 1-14]		
	[Hepatocellular Carcinoma TGLs = 2,3,6-6+15]		
* Lung		Alveolar/Bronchiolar Carcinoma	
	Peribronchiolr	Fibrosis	Minimal
	Alv/Bron Epith	Hyperplasia	Minimal
		Inflammation	Minimal
	[Alveolar/Bronchiolar Carcinoma TGLs = 5-5]		

* PROTOCOL REQUIRED TISSUE

Experiment Number: 10472 - 04
Test Type: CHRONIC
Route: RESPIRATORY EXPOSURE WHOLE BODY
Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

p-Chloro-a,a,a-trifluorotoluene

CAS Number: 98-56-6

Date Report Requested: 03/25/2016

Time Report Requested: 09:19:23

First Dose M/F: 01/31/11 / 01/31/11

Lab: BNW

ANIMAL ID: 635

TRT#: 7

SEX: Male

DAY ON TEST: 729

DOSE: 400 ppm

DISP: Terminal Sacrifice

HISTO: 63145

ORGAN AND ACCOUNTABLE SITE STATUS

* Spleen

Hematopoietic Cell Proliferation

Moderate

* Thymus

Atrophy

Mild

Experiment Number: 10472 - 04
 Test Type: CHRONIC
 Route: RESPIRATORY EXPOSURE WHOLE BODY
 Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 p-Chloro-a,a,a-trifluorotoluene
 CAS Number: 98-56-6

Date Report Requested: 03/25/2016
 Time Report Requested: 09:19:23
 First Dose M/F: 01/31/11 / 01/31/11
 Lab: BNW

ANIMAL ID: 636

TRT#: 7

SEX: Male

DAY ON TEST: 730

DOSE: 400 ppm

DISP: Terminal Sacrifice

HISTO: 63146

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Lymph Node, Mediastinal	* Mammary Gland
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OBSERVATIONS

* Adrenal Cortex		Hypertrophy	Minimal
* Bone Marrow		Hyperplasia	Minimal
* Harderian Gland		Adenoma	
* Kidney		Nephropathy	Minimal
		Pigmentation	Minimal
* Liver		Hepatocellular Carcinoma	Multiple
	Centrilobular, Hepatocyte	Hypertrophy	Minimal
	Hepatocyte	Multinucleated	Minimal
	[Hepatocellular Carcinoma TGLs = 1,2-14+16]		
* Lung	Peribronchiolr	Fibrosis	Minimal
		Hepatocellular Carcinoma	Metastatic (Liver)
	Alv/Bron Epith	Hyperplasia	Moderate
* Thymus		Ectopic Parathyroid Gland	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 10472 - 04
 Test Type: CHRONIC
 Route: RESPIRATORY EXPOSURE WHOLE BODY
 Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 p-Chloro-a,a,a-trifluorotoluene
 CAS Number: 98-56-6

Date Report Requested: 03/25/2016
 Time Report Requested: 09:19:23
 First Dose M/F: 01/31/11 / 01/31/11
 Lab: BNW

ANIMAL ID: 637

TRT#: 7

SEX: Male

DAY ON TEST: 729

DOSE: 400 ppm

DISP: Terminal Sacrifice

HISTO: 63147

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

- * Mammary Gland

OBSERVATIONS

- | | | | |
|---------------|--|--------------------------|----------|
| * Bone Marrow | | Hyperplasia | Minimal |
| * Liver | | Eosinophilic Focus | |
| | | Hepatocellular Adenoma | |
| | | Hepatocellular Carcinoma | Multiple |
| | Centrilobular, Hepatocyte | Hypertrophy | Minimal |
| | Hepatocyte | Multinucleated | Minimal |
| | [Hepatocellular Adenoma TGLs = 3-16] | | |
| | [Hepatocellular Carcinoma TGLs = 1,2,4-14+15+17] | | |
| * Lung | Peribronchiolr | Fibrosis | Minimal |
| | Alv/Bron Epith | Hyperplasia | Mild |

* PROTOCOL REQUIRED TISSUE

Experiment Number: 10472 - 04
 Test Type: CHRONIC
 Route: RESPIRATORY EXPOSURE WHOLE BODY
 Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 p-Chloro-a,a,a-trifluorotoluene
 CAS Number: 98-56-6

Date Report Requested: 03/25/2016
 Time Report Requested: 09:19:23
 First Dose M/F: 01/31/11 / 01/31/11
 Lab: BNW

ANIMAL ID: 638

TRT#: 7

SEX: Male

DAY ON TEST: 579

DOSE: 400 ppm

DISP: Moribund Sacrifice

HISTO: 63148

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

* Bone Marrow		Hyperplasia	Minimal
* Kidney		Nephropathy	Minimal
* Liver		Eosinophilic Focus	
	Centrilobular, Hepatocyte	Hypertrophy	Mild
	Hepatocyte	Mixed Cell Focus	
	Hepatocyte	Multinucleated	Mild
	[Mixed Cell Focus TGLs = 3,4-6]	Necrosis	Minimal
* Lung	Peribronchiolr	Fibrosis	Minimal
	Alv/Bron Epith	Hyperplasia	Mild
* Skin		Inflammation	Moderate
		Ulcer	Moderate
	[Ulcer TGLs = 1-9]		

PRIMARY CAUSE OF DEATH - Skin Ulcer

Experiment Number: 10472 - 04
 Test Type: CHRONIC
 Route: RESPIRATORY EXPOSURE WHOLE BODY
 Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 p-Chloro-a,a,a-trifluorotoluene
 CAS Number: 98-56-6

Date Report Requested: 03/25/2016
 Time Report Requested: 09:19:23
 First Dose M/F: 01/31/11 / 01/31/11
 Lab: BNW

ANIMAL ID: 639

TRT#: 7

SEX: Male

DAY ON TEST: 730

DOSE: 400 ppm

DISP: Terminal Sacrifice

HISTO: 63149

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	Blood Vessel	* Bone
* Brain	* Epididymis	* Esophagus	* Eye
* Gallbladder	* Harderian Gland	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Larynx	* Lymph Node, Bronchial	* Lymph Node, Mandibular
* Lymph Node, Mediastinal	* Lymph Node, Mesenteric	* Nose	* Pancreas
* Pituitary Gland	* Preputial Gland	* Prostate	* Salivary Glands
* Seminal Vesicle	* Skin	* Stomach, Forestomach	* Testes
* Thyroid Gland	* Trachea	* Urinary Bladder	

MISSING

* Mammary Gland	* Parathyroid Gland
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OBSERVATIONS

* Bone Marrow		Hyperplasia	Minimal
* Heart		Cardiomyopathy	Mild
* Kidney		Nephropathy	Mild
	[Nephropathy TGLs = 2-7]		
* Liver		Hepatocellular Carcinoma	Multiple
	Centrilobular, Hepatocyte	Hypertrophy	Mild
	[Hepatocellular Carcinoma TGLs = 3,5,6,7-6+7+14+16]		
	[Hypertrophy TGLs = 4-15]		
* Lung		Fibrosis	Minimal
	Peribronchiolr	Hyperplasia	Moderate
	Alv/Bron Epith	Hematopoietic Cell Proliferation	Mild
* Spleen			
	[Hematopoietic Cell Proliferation TGLs = 1-6]		
* Stomach, Glandular		Mineralization	Minimal
* Thymus		Atrophy	Moderate

* PROTOCOL REQUIRED TISSUE

Experiment Number: 10472 - 04
 Test Type: CHRONIC
 Route: RESPIRATORY EXPOSURE WHOLE BODY
 Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 p-Chloro-a,a,a-trifluorotoluene
 CAS Number: 98-56-6

Date Report Requested: 03/25/2016
 Time Report Requested: 09:19:23
 First Dose M/F: 01/31/11 / 01/31/11
 Lab: BNW

ANIMAL ID: 640

TRT#: 7

SEX: Male

DAY ON TEST: 731

DOSE: 400 ppm

DISP: Terminal Sacrifice

HISTO: 63150

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Lymph Node, Bronchial	* Mammary Gland
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OBSERVATIONS

* Epididymis		Granuloma Sperm	Mild
	[Granuloma Sperm TGLs = 2-9]		
* Harderian Gland		Adenoma	
	[Adenoma TGLs = 1-12]		
* Kidney		Nephropathy	Minimal
* Liver		Clear Cell Focus	
		Eosinophilic Focus	
		Hepatocellular Adenoma	
		Hepatocellular Carcinoma	Multiple
	Centrilobular, Hepatocyte	Hypertrophy	Minimal
	Hepatocyte	Intrahepatocellular Erythrocytes	Minimal
		Multinucleated	Minimal
Note: TGLS 9=NCL			
	[Eosinophilic Focus TGLs = 5,8-6+7]		
	[Hepatocellular Adenoma TGLs = 4-6]		
	[Hepatocellular Carcinoma TGLs = 6,7-14+15]		
* Lung	Peribronchiolr	Fibrosis	Minimal
	Alv/Bron Epith	Hyperplasia	Moderate

* PROTOCOL REQUIRED TISSUE

Experiment Number: 10472 - 04
Test Type: CHRONIC
Route: RESPIRATORY EXPOSURE WHOLE BODY
Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
p-Chloro-a,a,a-trifluorotoluene
CAS Number: 98-56-6

Date Report Requested: 03/25/2016
Time Report Requested: 09:19:23
First Dose M/F: 01/31/11 / 01/31/11
Lab: BNW

ANIMAL ID: 640

TRT#: 7

SEX: Male

DAY ON TEST: 731

DOSE: 400 ppm

DISP: Terminal Sacrifice

HISTO: 63150

ORGAN AND ACCOUNTABLE SITE STATUS

Mesentery [Necrosis TGLs = 3-17]	Fat	Necrosis	Mild
* Nose	Respirat Epith	Accumulation, Hyaline Droplet	Minimal
* Stomach, Forestomach	Epithelium	Hyperplasia	Moderate
		Inflammation	Mild
* Thymus		Atrophy	Mild
		Ectopic Parathyroid Gland	

Experiment Number: 10472 - 04
 Test Type: CHRONIC
 Route: RESPIRATORY EXPOSURE WHOLE BODY
 Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 p-Chloro-a,a,a-trifluorotoluene
 CAS Number: 98-56-6

Date Report Requested: 03/25/2016
 Time Report Requested: 09:19:23
 First Dose M/F: 01/31/11 / 01/31/11
 Lab: BNW

ANIMAL ID: 641

TRT#: 7

SEX: Male

DAY ON TEST: 730

DOSE: 400 ppm

DISP: Terminal Sacrifice

HISTO: 63151

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Mammary Gland

OBSERVATIONS

* Bone		Hemangiosarcoma	
	[Hemangiosarcoma TGLs = 11-19]		
* Bone Marrow		Necrosis	Moderate
* Intestine Small, Ileum		Adenoma	
* Kidney		Nephropathy	Minimal
* Liver		Clear Cell Focus	
		Hemangiosarcoma	
		Hepatocellular Adenoma	Multiple
		Hepatocellular Carcinoma	Multiple
	Centrilobular, Hepatocyte	Hypertrophy	Mild
		Intrahepatocellular Erythrocytes	Minimal
		Mixed Cell Focus	
	Hepatocyte	Multinucleated	Mild
	Hepatocyte	Necrosis	Minimal
	[Clear Cell Focus TGLs = 3-7]		
	[Hepatocellular Adenoma TGLs = 4,8-6]		
	[Hepatocellular Carcinoma TGLs = 1,2,5,7,9-6+14+15+16+18]		
	[Mixed Cell Focus TGLs = 5,6-16+17]		

* PROTOCOL REQUIRED TISSUE

Experiment Number: 10472 - 04
Test Type: CHRONIC
Route: RESPIRATORY EXPOSURE WHOLE BODY
Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
p-Chloro-a,a,a-trifluorotoluene
CAS Number: 98-56-6

Date Report Requested: 03/25/2016
Time Report Requested: 09:19:23
First Dose M/F: 01/31/11 / 01/31/11
Lab: BNW

ANIMAL ID: 641

TRT#: 7

SEX: Male

DAY ON TEST: 730

DOSE: 400 ppm

DISP: Terminal Sacrifice

HISTO: 63151

ORGAN AND ACCOUNTABLE SITE STATUS

* Lung	Peribronchiolr Alv/Bron Epith	Fibrosis Hyperplasia	Minimal Moderate
* Nose	Respirat Epith Olfactory Epi	Accumulation, Hyaline Droplet Accumulation, Hyaline Droplet	Minimal Minimal
* Preputial Gland [Ectasia TGLs = 10-9]		Ectasia	Mild
* Thymus		Ectopic Parathyroid Gland	

Experiment Number: 10472 - 04
 Test Type: CHRONIC
 Route: RESPIRATORY EXPOSURE WHOLE BODY
 Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 p-Chloro-a,a,a-trifluorotoluene
 CAS Number: 98-56-6

Date Report Requested: 03/25/2016
 Time Report Requested: 09:19:23
 First Dose M/F: 01/31/11 / 01/31/11
 Lab: BNW

ANIMAL ID: 642

TRT#: 7

SEX: Male

DAY ON TEST: 626

DOSE: 400 ppm

DISP: Moribund Sacrifice

HISTO: 63152

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Mammary Gland

OBSERVATIONS

* Heart		Cardiomyopathy	Minimal
* Kidney		Nephropathy	Mild
* Liver		Hepatocellular Carcinoma	Multiple
	Centrilobular, Hepatocyte	Hypertrophy	Mild
	Hepatocyte	Multinucleated	Mild
	Hepatocyte	Necrosis	Moderate
	[Hepatocellular Carcinoma TGLs = 2,3-7+14]		
	[Necrosis TGLs = 1,4-6+15]		
* Lung	Peribronchiolr	Fibrosis	Minimal
	Alv/Bron Epith	Hyperplasia	Moderate
Lymph Node	Pancreatic	Hepatocellular Carcinoma	Metastatic (Liver)
	[Hepatocellular Carcinoma TGLs = 5-16]		
* Nose	Respirat Epith	Accumulation, Hyaline Droplet	Minimal
* Pancreas	Acinus	Atrophy	Minimal
* Preputial Gland		Ectasia	Mild
* Spleen		Hematopoietic Cell Proliferation	Minimal
* Thymus		Atrophy	Mild

PRIMARY CAUSE OF DEATH - Liver Hepatocellular Carcinoma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 10472 - 04
 Test Type: CHRONIC
 Route: RESPIRATORY EXPOSURE WHOLE BODY
 Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 p-Chloro-a,a,a-trifluorotoluene
 CAS Number: 98-56-6

Date Report Requested: 03/25/2016
 Time Report Requested: 09:19:23
 First Dose M/F: 01/31/11 / 01/31/11
 Lab: BNW

ANIMAL ID: 643

TRT#: 7

SEX: Male

DAY ON TEST: 729

DOSE: 400 ppm

DISP: Terminal Sacrifice

HISTO: 63153

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Gallbladder	* Mammary Gland
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OBSERVATIONS

* Adrenal Cortex		Hypertrophy	Minimal
* Bone Marrow		Hyperplasia	Minimal
* Eye		Atrophy	Marked
	Retina	Pigmentation	Melanin, Mild
	[Atrophy TGLs = 3-12]		
* Harderian Gland		Adenoma	
	[Adenoma TGLs = 5-12]		
* Kidney		Nephropathy	Minimal
* Liver		Clear Cell Focus	
		Eosinophilic Focus	
	Centrilobular, Hepatocyte	Hepatocellular Adenoma	
		Hypertrophy	Minimal
	Hepatocyte	Intrahepatocellular Erythrocytes	Minimal
		Multinucleated	Minimal
	[Clear Cell Focus TGLs = 2-6]		
	[Hepatocellular Adenoma TGLs = 1-14]		
* Lung	Peribronchiolr	Fibrosis	Minimal
	Alv/Bron Epith	Hyperplasia	Moderate

* PROTOCOL REQUIRED TISSUE

Experiment Number: 10472 - 04
Test Type: CHRONIC
Route: RESPIRATORY EXPOSURE WHOLE BODY
Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

p-Chloro-a,a,a-trifluorotoluene

CAS Number: 98-56-6

Date Report Requested: 03/25/2016

Time Report Requested: 09:19:23

First Dose M/F: 01/31/11 / 01/31/11

Lab: BNW

ANIMAL ID: 643

TRT#: 7

SEX: Male

DAY ON TEST: 729

DOSE: 400 ppm

DISP: Terminal Sacrifice

HISTO: 63153

ORGAN AND ACCOUNTABLE SITE STATUS

* Lymph Node, Mesenteric

Hyperplasia

Lymphoid, Minimal

* Nose

Olfactory Epi

Accumulation, Hyaline Droplet

Minimal

* Spleen

Lymph Follic

Hyperplasia

Minimal

Experiment Number: 10472 - 04
 Test Type: CHRONIC
 Route: RESPIRATORY EXPOSURE WHOLE BODY
 Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 p-Chloro-a,a,a-trifluorotoluene
 CAS Number: 98-56-6

Date Report Requested: 03/25/2016
 Time Report Requested: 09:19:23
 First Dose M/F: 01/31/11 / 01/31/11
 Lab: BNW

ANIMAL ID: 644

TRT#: 7

SEX: Male

DAY ON TEST: 729

DOSE: 400 ppm

DISP: Terminal Sacrifice

HISTO: 63154

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

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

* Adrenal Cortex		Hypertrophy	Minimal
* Bone Marrow		Hyperplasia	Minimal
* Heart		Cardiomyopathy	Mild
* Kidney		Nephropathy	Minimal
* Liver		Hepatocellular Carcinoma	Multiple
	Centrilobular, Hepatocyte	Hypertrophy	Mild
	Hepatocyte	Intrahepatocellular Erythrocytes	Minimal
	[Hepatocellular Carcinoma TGLs = 1,2,3,4,5-6+14+15+16+17]	Multinucleated	Minimal
* Lung	Peribronchiolr	Fibrosis	Minimal
	Alv/Bron Epith	Hyperplasia	Moderate
* Stomach, Forestomach	Epithelium	Hyperplasia	Minimal
		Inflammation	Minimal
* Testes	Germinal Epith	Degeneration	Minimal

* PROTOCOL REQUIRED TISSUE

Experiment Number: 10472 - 04
 Test Type: CHRONIC
 Route: RESPIRATORY EXPOSURE WHOLE BODY
 Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 p-Chloro-a,a,a-trifluorotoluene
 CAS Number: 98-56-6

Date Report Requested: 03/25/2016
 Time Report Requested: 09:19:23
 First Dose M/F: 01/31/11 / 01/31/11
 Lab: BNW

ANIMAL ID: 645

TRT#: 7

SEX: Male

DAY ON TEST: 730

DOSE: 400 ppm

DISP: Terminal Sacrifice

HISTO: 63155

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	Blood Vessel	* Bone
* Brain	* Epididymis	* Esophagus	* Eye
* Gallbladder	* Harderian Gland	* Heart	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Kidney	* Larynx
* Lymph Node, Bronchial	* Lymph Node, Mediastinal	* Lymph Node, Mesenteric	* Nose
* Pancreas	* Parathyroid Gland	* Pituitary Gland	* Preputial Gland
* Prostate	* Salivary Glands	* Seminal Vesicle	* Skin
* Spleen	* Stomach, Glandular	* Thymus	* Thyroid Gland
* Trachea	* Urinary Bladder		

MISSING

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

* Stomach, Forestomach

OBSERVATIONS

* Bone Marrow		Hyperplasia	Minimal
* Liver		Hepatoblastoma	Multiple
		Hepatocellular Adenoma	Multiple
		Hepatocellular Carcinoma	Multiple
	Centrilobular, Hepatocyte	Hypertrophy	Mild
	Hepatocyte	Multinucleated	Minimal
	[Hepatoblastoma TGLs = 1,6-18+19]		
	[Hepatocellular Adenoma TGLs = 7-6]		
	[Hepatocellular Carcinoma TGLs = 2,3,4,5-14+15+16+17]		
* Lung	Peribronchiolr	Fibrosis	Minimal
	Alv/Bron Epith	Hyperplasia	Marked
* Testes	Germinal Epith	Degeneration	Minimal

* PROTOCOL REQUIRED TISSUE

Experiment Number: 10472 - 04
 Test Type: CHRONIC
 Route: RESPIRATORY EXPOSURE WHOLE BODY
 Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 p-Chloro-a,a,a-trifluorotoluene
 CAS Number: 98-56-6

Date Report Requested: 03/25/2016
 Time Report Requested: 09:19:23
 First Dose M/F: 01/31/11 / 01/31/11
 Lab: BNW

ANIMAL ID: 646

TRT#: 7

SEX: Male

DAY ON TEST: 477

DOSE: 400 ppm

DISP: Natural Death

HISTO: 63156

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	Blood Vessel	* Bone Marrow
* Brain	* Esophagus	* Gallbladder	* Harderian Gland
* Heart	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Kidney	* Lymph Node, Bronchial	* Lymph Node, Mandibular	* Lymph Node, Mediastinal
* Lymph Node, Mesenteric	* Pancreas	* Pituitary Gland	* Preputial Gland
* Prostate	* Salivary Glands	* Seminal Vesicle	* Skin
* Spleen	* Testes	* Thymus	* Thyroid Gland
* Trachea	* Urinary Bladder		

MISSING

* Mammary Gland	* Parathyroid Gland
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AUTO PRECLUDES DIAG.

* Stomach, Forestomach	* Stomach, Glandular
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OBSERVATIONS

* Bone		Fibro-Osseous Lesion	
* Epididymis		Granuloma Sperm	Mild
* Eye		Cataract	Mild
* Larynx	Squam Epithel	Hyperplasia	Minimal
* Liver		Clear Cell Focus	
		Hepatocellular Adenoma	Multiple
	Centrilobular, Hepatocyte	Hypertrophy	Mild
	Hepatocyte	Multinucleated	Mild
	[Hepatocellular Adenoma TGLs = 1,2,3-6+7+14]		
* Lung	Peribronchiolr	Fibrosis	Minimal
	Alv/Bron Epith	Hyperplasia	Mild
* Nose	Respirat Epith	Accumulation, Hyaline Droplet	Minimal

PRIMARY CAUSE OF DEATH - Liver Hepatocellular Adenoma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 10472 - 04
 Test Type: CHRONIC
 Route: RESPIRATORY EXPOSURE WHOLE BODY
 Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 p-Chloro-a,a,a-trifluorotoluene
 CAS Number: 98-56-6

Date Report Requested: 03/25/2016
 Time Report Requested: 09:19:23
 First Dose M/F: 01/31/11 / 01/31/11
 Lab: BNW

ANIMAL ID: 647

TRT#: 7

SEX: Male

DAY ON TEST: 585

DOSE: 400 ppm

DISP: Natural Death

HISTO: 63157

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Mammary Gland

OBSERVATIONS

* Intestine Small, Jejunum	Peyers Patch	Hyperplasia	Minimal
[Hyperplasia TGLs = 5-16]			
* Kidney		Nephropathy	Marked
* Liver		Hepatocellular Carcinoma	Multiple
	Centrilobular, Hepatocyte	Hypertrophy	Minimal
	Hepatocyte	Multinucleated	Minimal
	Hepatocyte	Necrosis	Mild
[Hepatocellular Carcinoma TGLs = 1,2,6-6+14+15]			
* Lung		Hepatocellular Carcinoma	Metastatic (Liver)
		Thrombosis	Minimal
Lymph Node	Pancreatic	Angiectasis	Minimal
[Angiectasis TGLs = 4-14]			
Mesentery	Fat	Necrosis	Mild
[Necrosis TGLs = 3-7]			
* Spleen		Hematopoietic Cell Proliferation	Mild
* Thymus		Atrophy	Mild

PRIMARY CAUSE OF DEATH - Liver Hepatocellular Carcinoma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 10472 - 04
 Test Type: CHRONIC
 Route: RESPIRATORY EXPOSURE WHOLE BODY
 Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 p-Chloro-a,a,a-trifluorotoluene
 CAS Number: 98-56-6

Date Report Requested: 03/25/2016
 Time Report Requested: 09:19:23
 First Dose M/F: 01/31/11 / 01/31/11
 Lab: BNW

ANIMAL ID: 648

TRT#: 7

SEX: Male

DAY ON TEST: 730

DOSE: 400 ppm

DISP: Terminal Sacrifice

HISTO: 63158

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Lymph Node, Mandibular	* Mammary Gland	* Salivary Glands
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OBSERVATIONS

* Adrenal Cortex		Hypertrophy	Minimal
* Bone Marrow		Hyperplasia	Minimal
* Kidney		Metaplasia	Osseous, Minimal
		Nephropathy	Minimal
* Liver		Clear Cell Focus	
		Hepatocellular Carcinoma	Multiple
	Centrilobular, Hepatocyte	Hypertrophy	Minimal
		Mixed Cell Focus	
	Hepatocyte	Multinucleated	Minimal
* Lung	[Hepatocellular Carcinoma TGLs = 1,2,3,4-7+14+15+16]		
	Peribronchiolr	Fibrosis	Minimal
		Hepatocellular Carcinoma	Metastatic (Liver)
* Nose	Alv/Bron Epith	Hyperplasia	Marked
	Olfactory Epi	Accumulation, Hyaline Droplet	Minimal

Experiment Number: 10472 - 04
 Test Type: CHRONIC
 Route: RESPIRATORY EXPOSURE WHOLE BODY
 Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 p-Chloro-a,a,a-trifluorotoluene
 CAS Number: 98-56-6

Date Report Requested: 03/25/2016
 Time Report Requested: 09:19:23
 First Dose M/F: 01/31/11 / 01/31/11
 Lab: BNW

ANIMAL ID: 649

TRT#: 7

SEX: Male

DAY ON TEST: 729

DOSE: 400 ppm

DISP: Terminal Sacrifice

HISTO: 63159

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Gallbladder	* Intestine Large, Rectum	* Mammary Gland
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OBSERVATIONS

* Adrenal Cortex		Hypertrophy	Minimal
* Bone Marrow		Hyperplasia	Minimal
* Harderian Gland		Adenoma	
* Kidney		Infarct	Minimal
* Liver		Eosinophilic Focus	
		Hepatoblastoma	
		Hepatocellular Carcinoma	
	Centrilobular, Hepatocyte	Hypertrophy	Minimal
		Mixed Cell Focus	
	Hepatocyte	Multinucleated	Minimal
	[Hepatoblastoma TGLs = 1-14]		
	[Hepatocellular Carcinoma TGLs = 2-15]		
	[Mixed Cell Focus TGLs = 4-6]		
* Lung	Peribronchiolr	Fibrosis	Minimal
	Alv/Bron Epith	Hyperplasia	Moderate
* Spleen		Hematopoietic Cell Proliferation	Moderate
	[Hematopoietic Cell Proliferation TGLs = 3-6]		
* Thymus		Atrophy	Mild

* PROTOCOL REQUIRED TISSUE

Experiment Number: 10472 - 04
 Test Type: CHRONIC
 Route: RESPIRATORY EXPOSURE WHOLE BODY
 Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 p-Chloro-a,a,a-trifluorotoluene
 CAS Number: 98-56-6

Date Report Requested: 03/25/2016
 Time Report Requested: 09:19:23
 First Dose M/F: 01/31/11 / 01/31/11
 Lab: BNW

ANIMAL ID: 650

TRT#: 7

SEX: Male

DAY ON TEST: 731

DOSE: 400 ppm

DISP: Terminal Sacrifice

HISTO: 63160

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Mammary Gland

OBSERVATIONS

* Bone Marrow		Hyperplasia	Minimal
* Kidney		Infarct	Minimal
		Nephropathy	Minimal
* Liver		Hepatocellular Carcinoma	Multiple
	Centrilobular, Hepatocyte	Hypertrophy	Minimal
		Mixed Cell Focus	
	Hepatocyte	Multinucleated	Mild
	[Hepatocellular Carcinoma TGLs = 2,3,4,5,6-6+7+14+16+17]		
	[Mixed Cell Focus TGLs = 1-15]		
* Lung	Peribronchiolr	Fibrosis	Minimal
	Alv/Bron Epith	Hyperplasia	Marked
	Alveolar Epith	Hyperplasia	Minimal
	Alveolus	Infiltration Cellular	Histiocyte, Minimal
* Nose	Olfactory Epi	Accumulation, Hyaline Droplet	Minimal
* Spleen	Lymph Follic	Hyperplasia	Minimal
* Thymus		Atrophy	Moderate

* PROTOCOL REQUIRED TISSUE

Experiment Number: 10472 - 04
 Test Type: CHRONIC
 Route: RESPIRATORY EXPOSURE WHOLE BODY
 Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 p-Chloro-a,a,a-trifluorotoluene
 CAS Number: 98-56-6

Date Report Requested: 03/25/2016
 Time Report Requested: 09:19:23
 First Dose M/F: 01/31/11 / 01/31/11
 Lab: BNW

ANIMAL ID: 101

TRT#: 2

SEX: Female

DAY ON TEST: 733

DOSE: Control

DISP: Terminal Sacrifice

HISTO: 63061

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	Blood Vessel	* Bone Marrow
* Brain	* Clitoral Gland	* Esophagus	* Eye
* Gallbladder	* Harderian Gland	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Kidney	* Larynx	* Liver	* Lung
* Lymph Node, Bronchial	* Lymph Node, Mandibular	* Lymph Node, Mediastinal	* Lymph Node, Mesenteric
* Mammary Gland	* Pancreas	* Parathyroid Gland	* Pituitary Gland
* Salivary Glands	* Skin	* Stomach, Glandular	* Thymus
* Thyroid Gland	* Trachea	* Urinary Bladder	

INSUFFICIENT TISSUE

* Intestine Large, Rectum

OBSERVATIONS

* Bone		Fibro-Osseous Lesion	Minimal
* Heart		Cardiomyopathy	Minimal
* Nose	Respirat Epith	Accumulation, Hyaline Droplet	Mild
	Olfactory Epi	Accumulation, Hyaline Droplet	Mild
		Inflammation	Suppurative, Minimal
* Ovary		Luteoma	
	[Luteoma TGLs = 1-9]		
* Spleen		Hematopoietic Cell Proliferation	Minimal
* Stomach, Forestomach		Inflammation	Minimal
* Uterus	Endometrium	Hyperplasia	Cystic, Mild

Experiment Number: 10472 - 04
 Test Type: CHRONIC
 Route: RESPIRATORY EXPOSURE WHOLE BODY
 Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 p-Chloro-a,a,a-trifluorotoluene
 CAS Number: 98-56-6

Date Report Requested: 03/25/2016
 Time Report Requested: 09:19:23
 First Dose M/F: 01/31/11 / 01/31/11
 Lab: BNW

ANIMAL ID: 102

TRT#: 2

SEX: Female

DAY ON TEST: 731

DOSE: Control

DISP: Terminal Sacrifice

HISTO: 63062

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	Blood Vessel	* Bone	* Bone Marrow
* Brain	* Clitoral Gland	* Esophagus	* Eye
* Gallbladder	* Harderian Gland	* Heart	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Larynx	* Lung
* Lymph Node, Bronchial	* Lymph Node, Mandibular	* Lymph Node, Mediastinal	* Lymph Node, Mesenteric
* Mammary Gland	* Ovary	* Pancreas	* Parathyroid Gland
* Pituitary Gland	* Salivary Glands	* Skin	* Stomach, Forestomach
* Stomach, Glandular	* Thyroid Gland	* Trachea	* Urinary Bladder

OBSERVATIONS

* Adrenal Cortex		Hypertrophy	Minimal
* Kidney		Nephropathy	Minimal
* Liver		Eosinophilic Focus	
Mesentery	Fat	Necrosis	Mild
[Necrosis TGLs = 3-15]			
* Nose	Respirat Epith	Accumulation, Hyaline Droplet	Minimal
* Spleen		Hematopoietic Cell Proliferation	Minimal
* Thymus		Ectopic Parathyroid Gland	
* Uterus	Endometrium	Hyperplasia	Cystic, Mild
[Hyperplasia TGLs = 2-10]			

Experiment Number: 10472 - 04
 Test Type: CHRONIC
 Route: RESPIRATORY EXPOSURE WHOLE BODY
 Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 p-Chloro-a,a,a-trifluorotoluene
 CAS Number: 98-56-6

Date Report Requested: 03/25/2016
 Time Report Requested: 09:19:23
 First Dose M/F: 01/31/11 / 01/31/11
 Lab: BNW

ANIMAL ID: 103

TRT#: 2

SEX: Female

DAY ON TEST: 675

DOSE: Control

DISP: Natural Death

HISTO: 63063

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- | | | | |
|----------------------------|---------------------------|-----------------------------|--------------------------|
| * Adrenal Cortex | * Adrenal Medulla | Blood Vessel | * Bone |
| * Bone Marrow | * Brain | * Clitoral Gland | * Esophagus |
| * Gallbladder | * Harderian Gland | * Heart | * Intestine Large, Cecum |
| * Intestine Large, Colon | * Intestine Large, Rectum | * Intestine Small, Duodenum | * Intestine Small, Ileum |
| * Intestine Small, Jejunum | * Islets, Pancreatic | * Larynx | * Lung |
| * Lymph Node, Bronchial | * Lymph Node, Mandibular | * Lymph Node, Mediastinal | * Lymph Node, Mesenteric |
| * Nose | * Ovary | * Pancreas | * Parathyroid Gland |
| * Pituitary Gland | * Salivary Glands | * Skin | * Spleen |
| * Stomach, Forestomach | * Stomach, Glandular | * Thymus | * Thyroid Gland |
| * Trachea | * Urinary Bladder | | |

OBSERVATIONS

- | | | | |
|-----------------|---|--------------------------|-----------------|
| * Eye | | Cataract | Mild |
| * Kidney | | Nephropathy | Minimal |
| * Liver | | Hepatocellular Adenoma | |
| | | Hepatocellular Carcinoma | |
| | | Mixed Cell Focus | |
| | [Hepatocellular Adenoma TGLs = 2-14] | | |
| | [Hepatocellular Carcinoma TGLs = 1-7] | | |
| * Mammary Gland | | Inflammation | Minimal |
| * Uterus | Endometrium | Hyperplasia | Cystic, Minimal |

PRIMARY CAUSE OF DEATH - Liver Hepatocellular Carcinoma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 10472 - 04
 Test Type: CHRONIC
 Route: RESPIRATORY EXPOSURE WHOLE BODY
 Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 p-Chloro-a,a,a-trifluorotoluene
 CAS Number: 98-56-6

Date Report Requested: 03/25/2016
 Time Report Requested: 09:19:23
 First Dose M/F: 01/31/11 / 01/31/11
 Lab: BNW

ANIMAL ID: 104

TRT#: 2

SEX: Female

DAY ON TEST: 670

DOSE: Control

DISP: Moribund Sacrifice

HISTO: 63064

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	Blood Vessel	* Bone
* Brain	* Clitoral Gland	* Esophagus	* Eye
* Gallbladder	* Harderian Gland	* Heart	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Larynx	* Mammary Gland	* Nose
* Pancreas	* Parathyroid Gland	* Pituitary Gland	* Salivary Glands
* Stomach, Forestomach	* Stomach, Glandular	* Thyroid Gland	* Trachea

OBSERVATIONS

* Bone Marrow		Lymphoma Malignant	
* Intestine Small, Ileum		Lymphoma Malignant	
	[Lymphoma Malignant TGLs = 14-8]		
* Kidney		Nephropathy	Minimal
* Liver		Lymphoma Malignant	
	[Lymphoma Malignant TGLs = 7,8,9,10,11,12-6+7+14+15]		
* Lung		Lymphoma Malignant	
Lymph Node	Renal	Lymphoma Malignant	
	Iliac	Lymphoma Malignant	
	Pancreatic	Lymphoma Malignant	
	[Lymphoma Malignant TGLs = 4-18]		
	[Lymphoma Malignant TGLs = 5,6-19+20]		
	[Lymphoma Malignant TGLs = 15-21]		
* Lymph Node, Bronchial		Lymphoma Malignant	
* Lymph Node, Mandibular		Lymphoma Malignant	
* Lymph Node, Mediastinal		Lymphoma Malignant	
	[Lymphoma Malignant TGLs = 2-4]		
* Lymph Node, Mesenteric		Lymphoma Malignant	
	[Lymphoma Malignant TGLs = 13-16]		
* Ovary		Lymphoma Malignant	
* Skin		Inflammation	Mild
		Ulcer	Mild

* PROTOCOL REQUIRED TISSUE

Experiment Number: 10472 - 04
Test Type: CHRONIC
Route: RESPIRATORY EXPOSURE WHOLE BODY
Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
p-Chloro-a,a,a-trifluorotoluene
CAS Number: 98-56-6

Date Report Requested: 03/25/2016
Time Report Requested: 09:19:23
First Dose M/F: 01/31/11 / 01/31/11
Lab: BNW

ANIMAL ID: 104

TRT#: 2

SEX: Female

DAY ON TEST: 670

DOSE: Control

DISP: Moribund Sacrifice

HISTO: 63064

ORGAN AND ACCOUNTABLE SITE STATUS

[Ulcer TGLs = 1-17]

* Spleen

Lymphoma Malignant

[Lymphoma Malignant TGLs = 3-6]

* Thymus

Lymphoma Malignant

* Urinary Bladder

Lymphoma Malignant

* Uterus

Endometrium

Hyperplasia

Cystic, Moderate

PRIMARY CAUSE OF DEATH - Lymph Node, Mesenteric Lymphoma Malignant

Experiment Number: 10472 - 04
Test Type: CHRONIC
Route: RESPIRATORY EXPOSURE WHOLE BODY
Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 p-Chloro-a,a,a-trifluorotoluene
CAS Number: 98-56-6

Date Report Requested: 03/25/2016
Time Report Requested: 09:19:23
First Dose M/F: 01/31/11 / 01/31/11
Lab: BNW

ANIMAL ID: 105

TRT#: 2

SEX: Female

DAY ON TEST: 731

DOSE: Control

DISP: Terminal Sacrifice

HISTO: 63065

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Blood Vessel	* Bone	* Bone Marrow	* Brain
* Clitoral Gland	* Esophagus	* Eye	* Gallbladder
* Harderian Gland	* Heart	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Islets, Pancreatic
* Liver	* Lymph Node, Bronchial	* Lymph Node, Mandibular	* Lymph Node, Mediastinal
* Mammary Gland	* Nose	* Ovary	* Pancreas
* Parathyroid Gland	* Pituitary Gland	* Salivary Glands	* Skin
* Stomach, Forestomach	* Stomach, Glandular	* Thyroid Gland	* Trachea
* Urinary Bladder			

OBSERVATIONS

* Adrenal Cortex		Hypertrophy	Minimal
* Adrenal Medulla		Hyperplasia	Minimal
* Intestine Small, Jejunum		Lymphoma Malignant	
[Lymphoma Malignant	TGLs = 2-7]		
* Kidney		Nephropathy	Minimal
* Larynx	Squam Epithel	Hyperplasia	Minimal
* Lung		Lymphoma Malignant	
* Lymph Node, Mesenteric		Lymphoma Malignant	
[Lymphoma Malignant	TGLs = 1-8]		
* Spleen		Lymphoma Malignant	
* Thymus		Ectopic Parathyroid Gland	
* Uterus	Endometrium	Hyperplasia	Cystic, Minimal

Experiment Number: 10472 - 04
 Test Type: CHRONIC
 Route: RESPIRATORY EXPOSURE WHOLE BODY
 Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 p-Chloro-a,a,a-trifluorotoluene
 CAS Number: 98-56-6

Date Report Requested: 03/25/2016
 Time Report Requested: 09:19:23
 First Dose M/F: 01/31/11 / 01/31/11
 Lab: BNW

ANIMAL ID: 106

TRT#: 2

SEX: Female

DAY ON TEST: 733

DOSE: Control

DISP: Terminal Sacrifice

HISTO: 63066

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	Blood Vessel	* Bone	* Bone Marrow
* Brain	* Clitoral Gland	* Esophagus	* Eye
* Gallbladder	* Harderian Gland	* Heart	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Larynx	* Lung
* Lymph Node, Bronchial	* Lymph Node, Mandibular	* Lymph Node, Mediastinal	* Lymph Node, Mesenteric
* Mammary Gland	* Nose	* Ovary	* Pancreas
* Parathyroid Gland	* Pituitary Gland	* Salivary Glands	* Skin
* Stomach, Forestomach	* Stomach, Glandular	* Thyroid Gland	* Trachea
* Urinary Bladder			

OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Mild
* Kidney		Infarct	Minimal
* Liver		Hepatocellular Carcinoma	
	[Hepatocellular Carcinoma TGLs = 1-14]		
* Spleen		Hematopoietic Cell Proliferation	Mild
* Thymus		Ectopic Parathyroid Gland	
* Uterus	Endometrium	Hyperplasia	Cystic, Moderate

Experiment Number: 10472 - 04
 Test Type: CHRONIC
 Route: RESPIRATORY EXPOSURE WHOLE BODY
 Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 p-Chloro-a,a,a-trifluorotoluene
 CAS Number: 98-56-6

Date Report Requested: 03/25/2016
 Time Report Requested: 09:19:23
 First Dose M/F: 01/31/11 / 01/31/11
 Lab: BNW

ANIMAL ID: 107

TRT#: 2

SEX: Female

DAY ON TEST: 731

DOSE: Control

DISP: Terminal Sacrifice

HISTO: 63067

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	Blood Vessel	* Bone
* Bone Marrow	* Brain	* Clitoral Gland	* Esophagus
* Eye	* Gallbladder	* Harderian Gland	* Heart
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Kidney	* Larynx
* Liver	* Lymph Node, Bronchial	* Lymph Node, Mediastinal	* Mammary Gland
* Pancreas	* Parathyroid Gland	* Pituitary Gland	* Salivary Glands
* Skin	* Stomach, Forestomach	* Stomach, Glandular	* Thyroid Gland
* Trachea	* Urinary Bladder		

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Intestine Small, Ileum		Lymphoma Malignant	
* Lung		Inflammation	Minimal
* Lymph Node, Mesenteric		Lymphoma Malignant	
	[Lymphoma Malignant TGLs = 2-15]		
* Nose	Olfactory Epi	Accumulation, Hyaline Droplet	Minimal
	Respirat Epith	Accumulation, Hyaline Droplet	Minimal
* Ovary		Cystadenoma	
* Spleen		Hematopoietic Cell Proliferation	Mild
	[Hematopoietic Cell Proliferation TGLs = 1-6]		
* Thymus		Ectopic Parathyroid Gland	
* Uterus	Endometrium	Hyperplasia	Cystic, Mild

Experiment Number: 10472 - 04
 Test Type: CHRONIC
 Route: RESPIRATORY EXPOSURE WHOLE BODY
 Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 p-Chloro-a,a,a-trifluorotoluene
 CAS Number: 98-56-6

Date Report Requested: 03/25/2016
 Time Report Requested: 09:19:23
 First Dose M/F: 01/31/11 / 01/31/11
 Lab: BNW

ANIMAL ID: 108

TRT#: 2

SEX: Female

DAY ON TEST: 733

DOSE: Control

DISP: Terminal Sacrifice

HISTO: 63068

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Clitoral Gland	* Esophagus	* Eye	* Gallbladder
* Harderian Gland	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Larynx	* Lymph Node, Mandibular	* Mammary Gland	* Nose
* Pancreas	* Parathyroid Gland	* Salivary Glands	* Stomach, Forestomach
* Stomach, Glandular	* Thymus	* Thyroid Gland	* Trachea
* Urinary Bladder			

OBSERVATIONS

Blood Vessel		Inflammation	Mild
Note: Inflammation involves the heart and aorta			
* Brain		Lymphoma Malignant	
* Heart		Cardiomyopathy	Mild
		Inflammation	Moderate
* Kidney		Lymphoma Malignant	
* Liver		Lymphoma Malignant	
	[Lymphoma Malignant TGLs = 1-6]		
* Lung		Lymphoma Malignant	
* Lymph Node, Bronchial		Lymphoma Malignant	
* Lymph Node, Mediastinal		Lymphoma Malignant	
* Lymph Node, Mesenteric		Lymphoma Malignant	
* Ovary		Cyst	Mild
	[Cyst TGLs = 3-9]		
* Pituitary Gland	Pars Distalis	Hyperplasia	Minimal
* Skin	Epidermis	Hyperplasia	Moderate
		Inflammation	Marked
	[Inflammation TGLs = 2-9]		
* Spleen	Lymph Follic	Hyperplasia	Minimal
* Uterus	Endometrium	Hyperplasia	Cystic, Minimal

* PROTOCOL REQUIRED TISSUE

Experiment Number: 10472 - 04
 Test Type: CHRONIC
 Route: RESPIRATORY EXPOSURE WHOLE BODY
 Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 p-Chloro-a,a,a-trifluorotoluene
 CAS Number: 98-56-6

Date Report Requested: 03/25/2016
 Time Report Requested: 09:19:23
 First Dose M/F: 01/31/11 / 01/31/11
 Lab: BNW

ANIMAL ID: 109

TRT#: 2

SEX: Female

DAY ON TEST: 732

DOSE: Control

DISP: Terminal Sacrifice

HISTO: 63069

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	Blood Vessel	* Bone Marrow
* Brain	* Clitoral Gland	* Esophagus	* Eye
* Gallbladder	* Harderian Gland	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Kidney	* Larynx	* Lymph Node, Bronchial	* Lymph Node, Mandibular
* Lymph Node, Mediastinal	* Ovary	* Pancreas	* Pituitary Gland
* Salivary Glands	* Skin	* Stomach, Forestomach	* Stomach, Glandular
* Thymus	* Thyroid Gland	* Trachea	* Urinary Bladder

MISSING

* Parathyroid Gland

OBSERVATIONS

* Bone		Fibro-Osseous Lesion	Minimal
* Heart		Cardiomyopathy	Minimal
* Intestine Small, Ileum		Adenoma	
* Liver		Hepatocellular Adenoma	
	[Hepatocellular Adenoma TGLs = 1-6]		
* Lung		Alveolar/Bronchiolar Adenoma	
* Lymph Node, Mesenteric		Hyperplasia	Lymphoid, Moderate
* Mammary Gland		Hyperplasia	Minimal
* Nose	Respirat Epith	Accumulation, Hyaline Droplet	Minimal
* Spleen	Lymph Follic	Hyperplasia	Minimal
* Uterus	Endometrium	Hyperplasia	Cystic, Moderate
	[Hyperplasia TGLs = 2-10]		

Experiment Number: 10472 - 04
Test Type: CHRONIC
Route: RESPIRATORY EXPOSURE WHOLE BODY
Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

p-Chloro-a,a,a-trifluorotoluene

CAS Number: 98-56-6

Date Report Requested: 03/25/2016

Time Report Requested: 09:19:23

First Dose M/F: 01/31/11 / 01/31/11

Lab: BNW

ANIMAL ID: 110

TRT#: 2

SEX: Female

DAY ON TEST: 732

DOSE: Control

DISP: Terminal Sacrifice

HISTO: 63070

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	Blood Vessel	* Bone
* Bone Marrow	* Brain	* Clitoral Gland	* Esophagus
* Eye	* Gallbladder	* Harderian Gland	* Heart
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Kidney
* Larynx	* Lung	* Lymph Node, Bronchial	* Lymph Node, Mediastinal
* Lymph Node, Mesenteric	* Mammary Gland	* Nose	* Ovary
* Pancreas	* Parathyroid Gland	* Pituitary Gland	* Salivary Glands
* Skin	* Spleen	* Stomach, Forestomach	* Stomach, Glandular
* Thyroid Gland	* Trachea	* Urinary Bladder	

OBSERVATIONS

* Liver		Mixed Cell Focus	
	[Mixed Cell Focus TGLs = 1-7]		
* Lymph Node, Mandibular		Hyperplasia	Lymphoid, Mild
* Thymus		Ectopic Parathyroid Gland	
* Uterus	Endometrium	Hyperplasia	Cystic, Mild

Experiment Number: 10472 - 04
 Test Type: CHRONIC
 Route: RESPIRATORY EXPOSURE WHOLE BODY
 Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 p-Chloro-a,a,a-trifluorotoluene
 CAS Number: 98-56-6

Date Report Requested: 03/25/2016
 Time Report Requested: 09:19:23
 First Dose M/F: 01/31/11 / 01/31/11
 Lab: BNW

ANIMAL ID: 111

TRT#: 2

SEX: Female

DAY ON TEST: 733

DOSE: Control

DISP: Terminal Sacrifice

HISTO: 63071

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	Blood Vessel	* Bone
* Bone Marrow	* Brain	* Clitoral Gland	Ear
* Esophagus	* Eye	* Gallbladder	* Harderian Gland
* Heart	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Kidney	* Larynx	* Lung	* Lymph Node, Bronchial
* Lymph Node, Mandibular	* Lymph Node, Mediastinal	* Lymph Node, Mesenteric	* Mammary Gland
* Ovary	* Pancreas	* Parathyroid Gland	* Pituitary Gland
* Salivary Glands	* Skin	* Stomach, Forestomach	* Stomach, Glandular
* Thyroid Gland	* Trachea	* Urinary Bladder	

OBSERVATIONS

* Liver		Hepatocellular Adenoma Mixed Cell Focus	
	[Hepatocellular Adenoma TGLs = 1-14]		
	[Mixed Cell Focus TGLs = 2-6]		
* Nose	Respirat Epith	Accumulation, Hyaline Droplet	Mild
	Olfactory Epi	Accumulation, Hyaline Droplet	Mild
* Spleen	Lymph Follic	Hyperplasia	Minimal
* Thymus		Ectopic Parathyroid Gland	
* Uterus	Endometrium	Hyperplasia	Cystic, Mild

* PROTOCOL REQUIRED TISSUE

Experiment Number: 10472 - 04
Test Type: CHRONIC
Route: RESPIRATORY EXPOSURE WHOLE BODY
Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

p-Chloro-a,a,a-trifluorotoluene

CAS Number: 98-56-6

Date Report Requested: 03/25/2016

Time Report Requested: 09:19:23

First Dose M/F: 01/31/11 / 01/31/11

Lab: BNW

ANIMAL ID: 112

TRT#: 2

SEX: Female

DAY ON TEST: 733

DOSE: Control

DISP: Terminal Sacrifice

HISTO: 63072

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	Blood Vessel	* Bone
* Bone Marrow	* Brain	* Clitoral Gland	* Esophagus
* Eye	* Gallbladder	* Harderian Gland	* Heart
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Kidney
* Larynx	* Liver	* Lung	* Lymph Node, Bronchial
* Lymph Node, Mandibular	* Lymph Node, Mediastinal	* Lymph Node, Mesenteric	* Mammary Gland
* Nose	* Ovary	* Pancreas	* Parathyroid Gland
* Pituitary Gland	* Salivary Glands	* Skin	* Stomach, Forestomach
* Stomach, Glandular	* Thymus	* Thyroid Gland	* Trachea
* Urinary Bladder			

OBSERVATIONS

* Spleen	Lymph Follic	Hyperplasia	Minimal
* Uterus	Endometrium	Hyperplasia	Cystic, Minimal

Experiment Number: 10472 - 04
Test Type: CHRONIC
Route: RESPIRATORY EXPOSURE WHOLE BODY
Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
p-Chloro-a,a,a-trifluorotoluene
CAS Number: 98-56-6

Date Report Requested: 03/25/2016
Time Report Requested: 09:19:23
First Dose M/F: 01/31/11 / 01/31/11
Lab: BNW

ANIMAL ID: 113

TRT#: 2

SEX: Female

DAY ON TEST: 732

DOSE: Control

DISP: Terminal Sacrifice

HISTO: 63073

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	Blood Vessel	* Brain
* Clitoral Gland	* Esophagus	* Eye	* Gallbladder
* Harderian Gland	* Heart	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Kidney	* Larynx	* Liver
* Lung	* Lymph Node, Bronchial	* Lymph Node, Mandibular	* Lymph Node, Mediastinal
* Lymph Node, Mesenteric	* Mammary Gland	* Ovary	* Pancreas
* Parathyroid Gland	* Salivary Glands	* Skin	* Spleen
* Stomach, Forestomach	* Stomach, Glandular	* Thyroid Gland	* Trachea
* Urinary Bladder			

OBSERVATIONS

* Bone		Fibro-Osseous Lesion	Minimal
* Bone Marrow		Atrophy	Minimal
* Nose	Olfactory Epi	Accumulation, Hyaline Droplet	Minimal
* Pituitary Gland	Pars Distalis	Hyperplasia	Minimal
* Thymus		Ectopic Parathyroid Gland	
* Uterus	Endometrium	Hyperplasia	Cystic, Moderate

Experiment Number: 10472 - 04
 Test Type: CHRONIC
 Route: RESPIRATORY EXPOSURE WHOLE BODY
 Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 p-Chloro-a,a,a-trifluorotoluene
 CAS Number: 98-56-6

Date Report Requested: 03/25/2016
 Time Report Requested: 09:19:23
 First Dose M/F: 01/31/11 / 01/31/11
 Lab: BNW

ANIMAL ID: 114

TRT#: 2

SEX: Female

DAY ON TEST: 676

DOSE: Control

DISP: Moribund Sacrifice

HISTO: 63074

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Blood Vessel	* Bone	* Bone Marrow	* Brain
* Clitoral Gland	* Esophagus	* Eye	* Gallbladder
* Harderian Gland	* Heart	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Larynx	* Lung	* Lymph Node, Bronchial
* Lymph Node, Mandibular	* Lymph Node, Mediastinal	* Lymph Node, Mesenteric	* Mammary Gland
* Nose	* Pancreas	* Parathyroid Gland	* Pituitary Gland
* Salivary Glands	* Skin	* Stomach, Glandular	* Thyroid Gland
* Trachea	* Urinary Bladder		

OBSERVATIONS

* Adrenal Cortex		Vacuolization Cytoplasmic	Minimal
* Adrenal Medulla		Hyperplasia	Mild
* Kidney		Nephropathy	Mild
* Liver		Eosinophilic Focus	
	Hepatocyte	Hepatocellular Carcinoma	Multiple
	[Eosinophilic Focus TGLs = 3-6]	Necrosis	Mild
	[Hepatocellular Carcinoma TGLs = 4,5,6,7-6+7+14+15]		
Mesentery	Fat	Necrosis	Mild
	[Necrosis TGLs = 2-16]		
* Ovary		Cyst	Mild
	[Cyst TGLs = 8-9]		
* Spleen		Hemangiosarcoma	
	[Hemangiosarcoma TGLs = 1-6]		
* Stomach, Forestomach	Epithelium	Hyperplasia	Minimal
		Inflammation	Minimal
* Thymus		Ectopic Parathyroid Gland	
* Uterus	Endometrium	Hyperplasia	Cystic, Moderate
	[Hyperplasia TGLs = 9-10]		

PRIMARY CAUSE OF DEATH - Liver Hepatocellular Carcinoma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 10472 - 04
 Test Type: CHRONIC
 Route: RESPIRATORY EXPOSURE WHOLE BODY
 Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 p-Chloro-a,a,a-trifluorotoluene
 CAS Number: 98-56-6

Date Report Requested: 03/25/2016
 Time Report Requested: 09:19:23
 First Dose M/F: 01/31/11 / 01/31/11
 Lab: BNW

ANIMAL ID: 115

TRT#: 2

SEX: Female

DAY ON TEST: 732

DOSE: Control

DISP: Terminal Sacrifice

HISTO: 63075

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- | | | | |
|--------------------------|----------------------------|---------------------------|-----------------------------|
| * Adrenal Cortex | * Adrenal Medulla | Blood Vessel | * Bone |
| * Bone Marrow | * Brain | * Clitoral Gland | * Esophagus |
| * Eye | * Gallbladder | * Harderian Gland | * Heart |
| * Intestine Large, Cecum | * Intestine Large, Colon | * Intestine Large, Rectum | * Intestine Small, Duodenum |
| * Intestine Small, Ileum | * Intestine Small, Jejunum | * Islets, Pancreatic | * Larynx |
| * Lymph Node, Bronchial | * Lymph Node, Mandibular | * Lymph Node, Mediastinal | * Lymph Node, Mesenteric |
| * Mammary Gland | * Ovary | * Pancreas | * Parathyroid Gland |
| * Salivary Glands | * Skin | * Spleen | * Stomach, Forestomach |
| * Stomach, Glandular | * Thymus | * Thyroid Gland | * Trachea |
| * Urinary Bladder | | | |

OBSERVATIONS

- | | | | |
|-------------------|--|-------------------------------|--------------------|
| * Kidney | | Nephropathy | Minimal |
| * Liver | | Hepatocellular Carcinoma | |
| | | Mixed Cell Focus | |
| | [Hepatocellular Carcinoma TGLs = 1-14] | | |
| | [Mixed Cell Focus TGLs = 2-6] | | |
| * Lung | | Hepatocellular Carcinoma | Metastatic (Liver) |
| * Nose | Respirat Epith | Accumulation, Hyaline Droplet | Minimal |
| * Pituitary Gland | Pars Distalis | Hyperplasia | Minimal |
| * Uterus | Endometrium | Hyperplasia | Cystic, Moderate |

Experiment Number: 10472 - 04
Test Type: CHRONIC
Route: RESPIRATORY EXPOSURE WHOLE BODY
Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
p-Chloro-a,a,a-trifluorotoluene
CAS Number: 98-56-6

Date Report Requested: 03/25/2016
Time Report Requested: 09:19:23
First Dose M/F: 01/31/11 / 01/31/11
Lab: BNW

ANIMAL ID: 116

TRT#: 2

SEX: Female

DAY ON TEST: 469

DOSE: Control

DISP: Moribund Sacrifice

HISTO: 63076

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Brain	* Clitoral Gland	* Esophagus	* Eye
* Harderian Gland	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Kidney	* Larynx	* Liver	* Lung
* Lymph Node, Bronchial	* Lymph Node, Mandibular	* Lymph Node, Mediastinal	* Lymph Node, Mesenteric
* Mammary Gland	* Nose	* Ovary	Oviduct
* Pancreas	* Parathyroid Gland	Peripheral Nerve	* Pituitary Gland
* Salivary Glands	Skeletal Muscle	* Skin	Spinal Cord
* Spleen	* Stomach, Forestomach	* Stomach, Glandular	* Thyroid Gland
* Trachea	* Urinary Bladder		

MISSING

* Gallbladder

OBSERVATIONS

Blood Vessel		Inflammation	Mild
Note: Aorta			
* Heart		Inflammation	Mild
* Thymus		Ectopic Parathyroid Gland	
* Uterus	Endometrium	Hyperplasia	Cystic, Marked

PRIMARY CAUSE OF DEATH - Heart Inflammation

Experiment Number: 10472 - 04
 Test Type: CHRONIC
 Route: RESPIRATORY EXPOSURE WHOLE BODY
 Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 p-Chloro-a,a,a-trifluorotoluene
 CAS Number: 98-56-6

Date Report Requested: 03/25/2016
 Time Report Requested: 09:19:23
 First Dose M/F: 01/31/11 / 01/31/11
 Lab: BNW

ANIMAL ID: 117

TRT#: 2

SEX: Female

DAY ON TEST: 731

DOSE: Control

DISP: Terminal Sacrifice

HISTO: 63077

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	Blood Vessel	* Bone
* Bone Marrow	* Brain	* Clitoral Gland	* Esophagus
* Eye	* Gallbladder	* Harderian Gland	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Kidney	* Larynx
* Lung	* Lymph Node, Bronchial	* Lymph Node, Mandibular	* Lymph Node, Mediastinal
* Lymph Node, Mesenteric	* Mammary Gland	* Ovary	* Pancreas
* Parathyroid Gland	* Pituitary Gland	* Salivary Glands	* Skin
* Stomach, Forestomach	* Stomach, Glandular	* Thyroid Gland	* Trachea
* Urinary Bladder			

OBSERVATIONS

* Heart		Cardiomyopathy	Minimal
* Liver		Eosinophilic Focus	
		Hepatocellular Adenoma	Multiple
	[Hepatocellular Adenoma TGLs = 1,2-14+15]		
* Nose	Respirat Epith	Accumulation, Hyaline Droplet	Minimal
	Olfactory Epi	Accumulation, Hyaline Droplet	Minimal
* Spleen	Lymph Follic	Hyperplasia	Mild
	[Hyperplasia TGLs = 4-6]		
* Thymus		Ectopic Parathyroid Gland	
* Uterus	Endometrium	Hyperplasia	Cystic, Mild
	[Hyperplasia TGLs = 3-10]		

Experiment Number: 10472 - 04
Test Type: CHRONIC
Route: RESPIRATORY EXPOSURE WHOLE BODY
Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 p-Chloro-a,a,a-trifluorotoluene
CAS Number: 98-56-6

Date Report Requested: 03/25/2016
Time Report Requested: 09:19:23
First Dose M/F: 01/31/11 / 01/31/11
Lab: BNW

ANIMAL ID: 118

TRT#: 2

SEX: Female

DAY ON TEST: 732

DOSE: Control

DISP: Terminal Sacrifice

HISTO: 63078

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- | | | | |
|----------------------------|---------------------------|-----------------------------|--------------------------|
| * Adrenal Cortex | * Adrenal Medulla | Blood Vessel | * Bone |
| * Bone Marrow | * Clitoral Gland | * Esophagus | * Eye |
| * Gallbladder | * Harderian Gland | * Heart | * Intestine Large, Cecum |
| * Intestine Large, Colon | * Intestine Large, Rectum | * Intestine Small, Duodenum | * Intestine Small, Ileum |
| * Intestine Small, Jejunum | * Islets, Pancreatic | * Kidney | * Lung |
| * Lymph Node, Bronchial | * Lymph Node, Mandibular | * Mammary Gland | * Pancreas |
| * Parathyroid Gland | * Pituitary Gland | * Salivary Glands | * Skin |
| * Stomach, Forestomach | * Stomach, Glandular | * Thyroid Gland | * Trachea |
| * Urinary Bladder | | | |

OBSERVATIONS

- | | | | |
|---------------------------|---------------------------------|-------------------------------|------------------|
| * Brain | | Lymphoma Malignant | |
| * Larynx | Squam Epithel | Hyperplasia | Minimal |
| * Liver | | Mixed Cell Focus | |
| | [Mixed Cell Focus TGLs = 1-6] | | |
| * Lymph Node, Mediastinal | | Lymphoma Malignant | |
| * Lymph Node, Mesenteric | | Lymphoma Malignant | |
| * Nose | Olfactory Epi | Accumulation, Hyaline Droplet | Minimal |
| * Ovary | | Cyst | Minimal |
| | [Cyst TGLs = 2-9] | | |
| * Spleen | | Lymphoma Malignant | |
| * Thymus | | Ectopic Parathyroid Gland | |
| * Uterus | Endometrium | Hyperplasia | Cystic, Moderate |
| | [Hyperplasia TGLs = 3-10] | | |

Experiment Number: 10472 - 04
 Test Type: CHRONIC
 Route: RESPIRATORY EXPOSURE WHOLE BODY
 Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 p-Chloro-a,a,a-trifluorotoluene
 CAS Number: 98-56-6

Date Report Requested: 03/25/2016
 Time Report Requested: 09:19:23
 First Dose M/F: 01/31/11 / 01/31/11
 Lab: BNW

ANIMAL ID: 119

TRT#: 2

SEX: Female

DAY ON TEST: 719

DOSE: Control

DISP: Moribund Sacrifice

HISTO: 63079

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	Blood Vessel	* Bone	* Bone Marrow
* Brain	* Clitoral Gland	* Esophagus	* Eye
* Gallbladder	* Harderian Gland	* Heart	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Larynx	* Lung
* Lymph Node, Bronchial	* Lymph Node, Mediastinal	* Lymph Node, Mesenteric	* Mammary Gland
* Nose	* Ovary	* Pancreas	* Parathyroid Gland
* Pituitary Gland	* Stomach, Forestomach	* Stomach, Glandular	* Thymus
* Thyroid Gland	* Trachea	* Urinary Bladder	

OBSERVATIONS

* Adrenal Cortex		Hypertrophy	Minimal
* Kidney		Nephropathy	Minimal
* Liver		Hepatocellular Adenoma	
		Mixed Cell Focus	
	[Hepatocellular Adenoma TGLs = 1-14]		
	[Mixed Cell Focus TGLs = 2-6]		
* Lymph Node, Mandibular		Sarcoma	Metastatic (Skin)
	[Sarcoma TGLs = 3-9]		
Mesentery	Fat	Necrosis	Mild
	[Necrosis TGLs = 6-7]		
* Salivary Glands		Sarcoma	Metastatic (Skin)
* Skin	Subcut Tiss	Sarcoma	Multiple
	[Sarcoma TGLs = 4,5-16+17]		
* Spleen		Hematopoietic Cell Proliferation	Mild
* Uterus	Endometrium	Hyperplasia	Cystic, Mild

PRIMARY CAUSE OF DEATH - Skin Subcut Tiss Sarcoma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 10472 - 04
 Test Type: CHRONIC
 Route: RESPIRATORY EXPOSURE WHOLE BODY
 Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 p-Chloro-a,a,a-trifluorotoluene
 CAS Number: 98-56-6

Date Report Requested: 03/25/2016
 Time Report Requested: 09:19:23
 First Dose M/F: 01/31/11 / 01/31/11
 Lab: BNW

ANIMAL ID: 120

TRT#: 2

SEX: Female

DAY ON TEST: 642

DOSE: Control

DISP: Moribund Sacrifice

HISTO: 63080

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	Blood Vessel	* Bone
* Bone Marrow	* Brain	* Clitoral Gland	* Esophagus
* Eye	* Gallbladder	* Harderian Gland	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Larynx	* Liver
* Lung	* Lymph Node, Bronchial	* Lymph Node, Mandibular	* Lymph Node, Mediastinal
* Lymph Node, Mesenteric	* Mammary Gland	* Ovary	* Pancreas
* Parathyroid Gland	* Skin	* Stomach, Forestomach	* Stomach, Glandular
* Thyroid Gland	* Trachea	* Urinary Bladder	

OBSERVATIONS

* Heart		Cardiomyopathy	Minimal
* Kidney		Nephropathy	Minimal
* Nose	Respirat Epith	Accumulation, Hyaline Droplet	Minimal
* Pituitary Gland	Pars Distalis	Hyperplasia	Minimal
* Salivary Glands		Carcinoma	
	[Carcinoma TGLs = 1-14]		
* Spleen		Hematopoietic Cell Proliferation	Mild
* Thymus		Hyperplasia	Lymphoid, Minimal
* Uterus	Endometrium	Hyperplasia	Cystic, Minimal

PRIMARY CAUSE OF DEATH - Salivary Glands Carcinoma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 10472 - 04
 Test Type: CHRONIC
 Route: RESPIRATORY EXPOSURE WHOLE BODY
 Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 p-Chloro-a,a,a-trifluorotoluene
 CAS Number: 98-56-6

Date Report Requested: 03/25/2016
 Time Report Requested: 09:19:23
 First Dose M/F: 01/31/11 / 01/31/11
 Lab: BNW

ANIMAL ID: 121

TRT#: 2

SEX: Female

DAY ON TEST: 564

DOSE: Control

DISP: Moribund Sacrifice

HISTO: 63081

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	Blood Vessel	* Bone
* Bone Marrow	* Brain	* Clitoral Gland	* Esophagus
* Eye	* Gallbladder	* Harderian Gland	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Larynx	* Lymph Node, Bronchial
* Lymph Node, Mandibular	* Lymph Node, Mediastinal	* Lymph Node, Mesenteric	* Mammary Gland
* Nose	* Ovary	* Pancreas	* Parathyroid Gland
* Pituitary Gland	* Salivary Glands	* Skin	* Stomach, Forestomach
* Stomach, Glandular	* Thyroid Gland	* Trachea	* Urinary Bladder

OBSERVATIONS

* Heart		Cardiomyopathy	Mild
	[Cardiomyopathy TGLs = 1-13]		
* Kidney		Histiocytic Sarcoma Infarct	Minimal
* Liver		Histiocytic Sarcoma	
	[Histiocytic Sarcoma TGLs = 4-6]		
* Lung		Histiocytic Sarcoma	
	[Histiocytic Sarcoma TGLs = 2-5]		
* Spleen		Hematopoietic Cell Proliferation	Moderate
	[Hematopoietic Cell Proliferation TGLs = 3-6]		
* Thymus		Atrophy	Mild
* Uterus	Endometrium	Hyperplasia	Cystic, Minimal

PRIMARY CAUSE OF DEATH - Liver Histiocytic Sarcoma

Experiment Number: 10472 - 04
Test Type: CHRONIC
Route: RESPIRATORY EXPOSURE WHOLE BODY
Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 p-Chloro-a,a,a-trifluorotoluene
CAS Number: 98-56-6

Date Report Requested: 03/25/2016
Time Report Requested: 09:19:23
First Dose M/F: 01/31/11 / 01/31/11
Lab: BNW

ANIMAL ID: 122

TRT#: 2

SEX: Female

DAY ON TEST: 732

DOSE: Control

DISP: Terminal Sacrifice

HISTO: 63082

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	Blood Vessel	* Bone Marrow	* Brain
* Clitoral Gland	* Esophagus	* Eye	* Gallbladder
* Harderian Gland	* Heart	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Larynx	* Liver	* Lung
* Lymph Node, Bronchial	* Lymph Node, Mandibular	* Lymph Node, Mediastinal	* Lymph Node, Mesenteric
* Mammary Gland	* Nose	* Pancreas	* Parathyroid Gland
* Pituitary Gland	* Salivary Glands	* Skin	* Stomach, Forestomach
* Stomach, Glandular	* Thyroid Gland	* Trachea	* Urinary Bladder

OBSERVATIONS

* Adrenal Cortex		Hypertrophy	Minimal
* Bone		Fibro-Osseous Lesion	Mild
* Kidney		Infarct	Minimal
* Ovary		Cyst	Minimal
[Cyst TGLs = 1-9]			
* Spleen	Lymph Follic	Hyperplasia	Minimal
* Thymus		Atrophy	Minimal
		Ectopic Parathyroid Gland	
* Uterus	Endometrium	Hyperplasia	Cystic, Minimal

Experiment Number: 10472 - 04
 Test Type: CHRONIC
 Route: RESPIRATORY EXPOSURE WHOLE BODY
 Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 p-Chloro-a,a,a-trifluorotoluene
 CAS Number: 98-56-6

Date Report Requested: 03/25/2016
 Time Report Requested: 09:19:23
 First Dose M/F: 01/31/11 / 01/31/11
 Lab: BNW

ANIMAL ID: 123

TRT#: 2

SEX: Female

DAY ON TEST: 731

DOSE: Control

DISP: Terminal Sacrifice

HISTO: 63083

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	Blood Vessel	* Bone	* Bone Marrow
* Brain	* Clitoral Gland	* Esophagus	* Eye
* Gallbladder	* Harderian Gland	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Larynx	* Lung	* Lymph Node, Bronchial
* Lymph Node, Mandibular	* Lymph Node, Mediastinal	* Lymph Node, Mesenteric	* Pancreas
* Parathyroid Gland	* Salivary Glands	* Skin	* Spleen
* Stomach, Forestomach	* Stomach, Glandular	* Thyroid Gland	* Trachea
* Urinary Bladder			

OBSERVATIONS

* Adrenal Cortex		Hypertrophy	Minimal
* Heart		Cardiomyopathy	Minimal
* Kidney		Infarct	Mild
* Liver		Hepatocellular Adenoma	Multiple
		Mixed Cell Focus	
	[Hepatocellular Adenoma TGLs = 1,2-6]		
* Mammary Gland		Hyperplasia	Minimal
* Nose	Respirat Epith	Accumulation, Hyaline Droplet	Mild
	Olfactory Epi	Accumulation, Hyaline Droplet	Minimal
* Ovary		Cystadenoma	
* Pituitary Gland	Pars Distalis	Adenoma	
	[Adenoma TGLs = 3-10]		
* Thymus		Atrophy	Minimal
		Ectopic Parathyroid Gland	
* Uterus	Endometrium	Hyperplasia	Cystic, Mild

Experiment Number: 10472 - 04
Test Type: CHRONIC
Route: RESPIRATORY EXPOSURE WHOLE BODY
Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 p-Chloro-a,a,a-trifluorotoluene
CAS Number: 98-56-6

Date Report Requested: 03/25/2016
Time Report Requested: 09:19:23
First Dose M/F: 01/31/11 / 01/31/11
Lab: BNW

ANIMAL ID: 124

TRT#: 2

SEX: Female

DAY ON TEST: 732

DOSE: Control

DISP: Terminal Sacrifice

HISTO: 63084

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	Blood Vessel	* Clitoral Gland	* Esophagus
* Eye	* Harderian Gland	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Larynx	* Mammary Gland	* Pituitary Gland
* Salivary Glands	* Skin	* Stomach, Forestomach	* Stomach, Glandular
* Thyroid Gland	* Trachea		

MISSING

* Parathyroid Gland

OBSERVATIONS

* Adrenal Cortex		Hypertrophy	Minimal
		Lymphoma Malignant	
		Vacuolization Cytoplasmic	Minimal
* Bone		Fibro-Osseous Lesion	Mild
* Bone Marrow		Lymphoma Malignant	
* Brain		Lymphoma Malignant	
* Gallbladder		Lymphoma Malignant	
* Heart		Cardiomyopathy	Minimal
* Kidney		Lymphoma Malignant	
* Liver		Lymphoma Malignant	
	[Lymphoma Malignant TGLs = 1-6]		
* Lung		Lymphoma Malignant	
* Lymph Node, Bronchial		Lymphoma Malignant	
* Lymph Node, Mandibular		Lymphoma Malignant	
* Lymph Node, Mediastinal		Lymphoma Malignant	
* Lymph Node, Mesenteric		Lymphoma Malignant	
	[Lymphoma Malignant TGLs = 4-8]		
* Nose	Respirat Epith	Accumulation, Hyaline Droplet	Minimal
		Inflammation	Suppurative, Minimal
* Ovary		Luteoma	
	[Luteoma TGLs = 3-9]		

* PROTOCOL REQUIRED TISSUE

Experiment Number: 10472 - 04
Test Type: CHRONIC
Route: RESPIRATORY EXPOSURE WHOLE BODY
Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
p-Chloro-a,a,a-trifluorotoluene
CAS Number: 98-56-6

Date Report Requested: 03/25/2016
Time Report Requested: 09:19:23
First Dose M/F: 01/31/11 / 01/31/11
Lab: BNW

ANIMAL ID: 124

TRT#: 2

SEX: Female

DAY ON TEST: 732

DOSE: Control

DISP: Terminal Sacrifice

HISTO: 63084

ORGAN AND ACCOUNTABLE SITE STATUS

* Pancreas		Lymphoma Malignant	
* Spleen		Hematopoietic Cell Proliferation	Moderate
	[Hematopoietic Cell Proliferation TGLs = 2-6]		
* Thymus		Lymphoma Malignant	
* Urinary Bladder		Lymphoma Malignant	
* Uterus	Endometrium	Hyperplasia	Cystic, Moderate

Experiment Number: 10472 - 04
Test Type: CHRONIC
Route: RESPIRATORY EXPOSURE WHOLE BODY
Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
p-Chloro-a,a,a-trifluorotoluene
CAS Number: 98-56-6

Date Report Requested: 03/25/2016
Time Report Requested: 09:19:23
First Dose M/F: 01/31/11 / 01/31/11
Lab: BNW

ANIMAL ID: 125

TRT#: 2

SEX: Female

DAY ON TEST: 732

DOSE: Control

DISP: Terminal Sacrifice

HISTO: 63085

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	Blood Vessel	* Bone Marrow	* Brain
* Clitoral Gland	* Esophagus	* Eye	* Gallbladder
* Harderian Gland	* Heart	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Kidney	* Larynx	* Lymph Node, Bronchial
* Lymph Node, Mandibular	* Lymph Node, Mediastinal	* Lymph Node, Mesenteric	* Mammary Gland
* Nose	* Ovary	* Pancreas	* Pituitary Gland
* Salivary Glands	* Skin	* Spleen	* Stomach, Forestomach
* Stomach, Glandular	* Thymus	* Thyroid Gland	* Trachea
* Urinary Bladder			

MISSING

* Parathyroid Gland

OBSERVATIONS

* Adrenal Cortex		Hypertrophy	Minimal
* Bone		Fibro-Osseous Lesion	Minimal
* Liver		Mixed Cell Focus	
	[Mixed Cell Focus TGLs = 1-6]		
* Lung		Alveolar/Bronchiolar Adenoma	
	[Alveolar/Bronchiolar Adenoma TGLs = 2-14]		
* Uterus	Endometrium	Hyperplasia	Cystic, Mild

Experiment Number: 10472 - 04
Test Type: CHRONIC
Route: RESPIRATORY EXPOSURE WHOLE BODY
Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 p-Chloro-a,a,a-trifluorotoluene
CAS Number: 98-56-6

Date Report Requested: 03/25/2016
Time Report Requested: 09:19:23
First Dose M/F: 01/31/11 / 01/31/11
Lab: BNW

ANIMAL ID: 126

TRT#: 2

SEX: Female

DAY ON TEST: 732

DOSE: Control

DISP: Terminal Sacrifice

HISTO: 63086

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	Blood Vessel	* Bone Marrow
* Brain	* Clitoral Gland	* Esophagus	* Eye
* Gallbladder	* Harderian Gland	* Heart	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Larynx	* Liver
* Lung	* Lymph Node, Bronchial	* Lymph Node, Mandibular	* Lymph Node, Mediastinal
* Lymph Node, Mesenteric	* Nose	* Pancreas	* Parathyroid Gland
* Pituitary Gland	* Salivary Glands	* Skin	* Stomach, Forestomach
* Stomach, Glandular	* Thymus	* Thyroid Gland	* Trachea
* Urinary Bladder			

OBSERVATIONS

* Bone		Fibro-Osseous Lesion	Minimal
* Kidney		Nephropathy	Minimal
* Mammary Gland		Hyperplasia	Minimal
Mesentery	Fat	Necrosis	Minimal
[Necrosis TGLs = 2-7]			
* Ovary		Cyst	Minimal
* Spleen	Lymph Follic	Hyperplasia	Minimal
* Uterus	Endometrium	Hyperplasia	Cystic, Moderate

Experiment Number: 10472 - 04
Test Type: CHRONIC
Route: RESPIRATORY EXPOSURE WHOLE BODY
Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

p-Chloro-a,a,a-trifluorotoluene

CAS Number: 98-56-6

Date Report Requested: 03/25/2016

Time Report Requested: 09:19:23

First Dose M/F: 01/31/11 / 01/31/11

Lab: BNW

ANIMAL ID: 127

TRT#: 2

SEX: Female

DAY ON TEST: 624

DOSE: Control

DISP: Natural Death

HISTO: 63087

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	Blood Vessel	* Bone	* Bone Marrow
* Brain	* Clitoral Gland	* Esophagus	* Eye
* Gallbladder	* Harderian Gland	* Heart	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Larynx	* Liver
* Lymph Node, Bronchial	* Lymph Node, Mandibular	* Lymph Node, Mediastinal	* Lymph Node, Mesenteric
* Mammary Gland	* Nose	* Ovary	* Pancreas
* Parathyroid Gland	* Salivary Glands	* Skin	* Spleen
* Stomach, Forestomach	* Stomach, Glandular	* Thymus	* Thyroid Gland
* Trachea	* Urinary Bladder		

OBSERVATIONS

* Adrenal Medulla		Pheochromocytoma Benign	
	[Pheochromocytoma Benign TGLs = 1-4]		
* Kidney		Metaplasia	Osseous, Minimal
		Nephropathy	Minimal
* Lung		Inflammation	Minimal
* Pituitary Gland	Pars Distalis	Hyperplasia	Mild
* Uterus	Endometrium	Hyperplasia	Cystic, Mild

PRIMARY CAUSE OF DEATH - Adrenal Medulla Pheochromocytoma Benign

Experiment Number: 10472 - 04
 Test Type: CHRONIC
 Route: RESPIRATORY EXPOSURE WHOLE BODY
 Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 p-Chloro-a,a,a-trifluorotoluene
 CAS Number: 98-56-6

Date Report Requested: 03/25/2016
 Time Report Requested: 09:19:23
 First Dose M/F: 01/31/11 / 01/31/11
 Lab: BNW

ANIMAL ID: 128

TRT#: 2

SEX: Female

DAY ON TEST: 502

DOSE: Control

DISP: Natural Death

HISTO: 63088

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	Blood Vessel	* Bone
* Bone Marrow	* Brain	* Clitoral Gland	* Esophagus
* Eye	* Gallbladder	* Harderian Gland	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Kidney	* Lymph Node, Mandibular
* Lymph Node, Mesenteric	* Mammary Gland	* Nose	* Ovary
* Parathyroid Gland	* Pituitary Gland	* Salivary Glands	Skeletal Muscle
* Skin	* Stomach, Forestomach	* Stomach, Glandular	* Thyroid Gland
* Trachea	* Urinary Bladder		

OBSERVATIONS

* Heart		Lymphoma Malignant	
* Larynx	Squam Epithel	Hyperplasia	Minimal
	Squam Epithel	Inflammation	Minimal
* Liver		Lymphoma Malignant	
	[Lymphoma Malignant TGLs = 5-6]		
* Lung		Lymphoma Malignant	
Lymph Node	Renal	Lymphoma Malignant	
	Lumbar	Lymphoma Malignant	
	[Lymphoma Malignant TGLs = 6-7]		
	[Lymphoma Malignant TGLs = 7-14]		
* Lymph Node, Bronchial		Lymphoma Malignant	
* Lymph Node, Mediastinal		Lymphoma Malignant	
	[Lymphoma Malignant TGLs = 2-4]		
* Pancreas		Lymphoma Malignant	
Skel Muscle			
	Note: TGL#4 -c- normal skeletal muscle		
* Spleen		Lymphoma Malignant	
	[Lymphoma Malignant TGLs = 3-6]		
* Thymus		Atrophy	Minimal
* Uterus	Endometrium	Hyperplasia	Cystic, Mild

* PROTOCOL REQUIRED TISSUE

Experiment Number: 10472 - 04
Test Type: CHRONIC
Route: RESPIRATORY EXPOSURE WHOLE BODY
Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

p-Chloro-a,a,a-trifluorotoluene

CAS Number: 98-56-6

Date Report Requested: 03/25/2016

Time Report Requested: 09:19:23

First Dose M/F: 01/31/11 / 01/31/11

Lab: BNW

ANIMAL ID: 128

TRT#: 2

SEX: Female

DAY ON TEST: 502

DOSE: Control

DISP: Natural Death

HISTO: 63088

ORGAN AND ACCOUNTABLE SITE STATUS

PRIMARY CAUSE OF DEATH - Lymph Node, Mediastinal Lymphoma Malignant

Experiment Number: 10472 - 04
 Test Type: CHRONIC
 Route: RESPIRATORY EXPOSURE WHOLE BODY
 Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

p-Chloro-a,a,a-trifluorotoluene

CAS Number: 98-56-6

Date Report Requested: 03/25/2016

Time Report Requested: 09:19:23

First Dose M/F: 01/31/11 / 01/31/11

Lab: BNW

ANIMAL ID: 129

TRT#: 2

SEX: Female

DAY ON TEST: 733

DOSE: Control

DISP: Terminal Sacrifice

HISTO: 63089

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	Blood Vessel	* Bone
* Bone Marrow	* Brain	* Esophagus	* Eye
* Gallbladder	* Harderian Gland	* Heart	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Liver	* Lung
* Lymph Node, Bronchial	* Lymph Node, Mandibular	* Lymph Node, Mediastinal	* Ovary
* Pancreas	* Parathyroid Gland	* Salivary Glands	* Skin
* Stomach, Forestomach	* Stomach, Glandular	* Thyroid Gland	* Trachea
* Urinary Bladder			

MISSING

* Clitoral Gland

OBSERVATIONS

* Kidney		Nephropathy	Minimal
* Larynx	Squam Epithel	Hyperplasia	Minimal
* Lymph Node, Mesenteric		Ectasia	Mild
[Ectasia TGLs = 1-7]			
* Mammary Gland		Hyperplasia	Minimal
* Nose	Olfactory Epi	Accumulation, Hyaline Droplet	Mild
	Respirat Epith	Accumulation, Hyaline Droplet	Minimal
* Pituitary Gland	Pars Distalis	Hyperplasia	Minimal
* Spleen	Lymph Follic	Hyperplasia	Mild
* Thymus		Ectopic Parathyroid Gland	
* Uterus	Endometrium	Hyperplasia	Cystic, Moderate

Experiment Number: 10472 - 04
Test Type: CHRONIC
Route: RESPIRATORY EXPOSURE WHOLE BODY
Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 p-Chloro-a,a,a-trifluorotoluene
CAS Number: 98-56-6

Date Report Requested: 03/25/2016
Time Report Requested: 09:19:23
First Dose M/F: 01/31/11 / 01/31/11
Lab: BNW

ANIMAL ID: 130

TRT#: 2

SEX: Female

DAY ON TEST: 731

DOSE: Control

DISP: Terminal Sacrifice

HISTO: 63090

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	Blood Vessel	* Bone
* Bone Marrow	* Brain	* Clitoral Gland	* Esophagus
* Eye	* Gallbladder	* Harderian Gland	* Heart
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Larynx	* Lung
* Lymph Node, Bronchial	* Lymph Node, Mandibular	* Lymph Node, Mediastinal	* Mammary Gland
* Pancreas	* Parathyroid Gland	* Pituitary Gland	* Salivary Glands
* Skin	* Stomach, Forestomach	* Stomach, Glandular	* Thyroid Gland
* Trachea	* Urinary Bladder		

INSUFFICIENT TISSUE

* Intestine Large, Rectum

OBSERVATIONS

* Kidney	Renal Tubule	Adenoma	
	[Adenoma TGLs = 5-7]		
* Liver		Hepatocellular Carcinoma	
	[Hepatocellular Carcinoma TGLs = 1-14]	Mixed Cell Focus	
	[Mixed Cell Focus TGLs = 2-6]		
* Lymph Node, Mesenteric		Hyperplasia	Lymphoid, Mild
* Nose	Respirat Epith	Accumulation, Hyaline Droplet	Minimal
	Olfactory Epi	Accumulation, Hyaline Droplet	Minimal
		Inflammation	Suppurative, Minimal
* Ovary		Cyst	Mild
	[Cyst TGLs = 3-9]		
* Spleen	Lymph Follic	Hyperplasia	Moderate
* Thymus		Ectopic Parathyroid Gland	
* Uterus	Endometrium	Hyperplasia	Cystic, Moderate

* PROTOCOL REQUIRED TISSUE

Experiment Number: 10472 - 04
Test Type: CHRONIC
Route: RESPIRATORY EXPOSURE WHOLE BODY
Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
p-Chloro-a,a,a-trifluorotoluene
CAS Number: 98-56-6

Date Report Requested: 03/25/2016
Time Report Requested: 09:19:23
First Dose M/F: 01/31/11 / 01/31/11
Lab: BNW

ANIMAL ID: 131

TRT#: 2

SEX: Female

DAY ON TEST: 544

DOSE: Control

DISP: Moribund Sacrifice

HISTO: 63091

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	Blood Vessel	* Bone
* Bone Marrow	* Brain	* Clitoral Gland	* Esophagus
* Eye	* Gallbladder	* Heart	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Larynx	* Lung
* Lymph Node, Mediastinal	* Lymph Node, Mesenteric	* Mammary Gland	* Nose
* Ovary	* Pancreas	* Pituitary Gland	* Salivary Glands
* Skin	* Stomach, Forestomach	* Stomach, Glandular	* Thymus
* Thyroid Gland	* Trachea	* Urinary Bladder	

MISSING

* Lymph Node, Bronchial	* Parathyroid Gland
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OBSERVATIONS

* Harderian Gland		Hyperplasia	Moderate
* Kidney		Infarct	Mild
* Liver		Hepatocellular Adenoma	Multiple
[Hepatocellular Adenoma TGLs = 2,3-6+7]			
* Lymph Node, Mandibular		Hyperplasia	Lymphoid, Minimal
Skeletal Muscle		Rhabdomyosarcoma	
[Rhabdomyosarcoma TGLs = 1-14]			
* Spleen		Hematopoietic Cell Proliferation	Mild
* Uterus	Endometrium	Hyperplasia	Cystic, Minimal

PRIMARY CAUSE OF DEATH - Skeletal Muscle Rhabdomyosarcoma

Experiment Number: 10472 - 04
Test Type: CHRONIC
Route: RESPIRATORY EXPOSURE WHOLE BODY
Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 p-Chloro-a,a,a-trifluorotoluene
CAS Number: 98-56-6

Date Report Requested: 03/25/2016
Time Report Requested: 09:19:23
First Dose M/F: 01/31/11 / 01/31/11
Lab: BNW

ANIMAL ID: 132

TRT#: 2

SEX: Female

DAY ON TEST: 733

DOSE: Control

DISP: Terminal Sacrifice

HISTO: 63092

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	Blood Vessel	* Bone
* Bone Marrow	* Brain	* Clitoral Gland	* Esophagus
* Eye	* Gallbladder	* Harderian Gland	* Heart
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Kidney
* Lung	* Lymph Node, Bronchial	* Lymph Node, Mandibular	* Lymph Node, Mediastinal
* Lymph Node, Mesenteric	* Mammary Gland	* Ovary	* Pancreas
* Salivary Glands	* Skin	* Stomach, Forestomach	* Stomach, Glandular
* Thymus	* Thyroid Gland	* Trachea	* Urinary Bladder

MISSING

* Parathyroid Gland

OBSERVATIONS

* Larynx	Squam Epithel	Hyperplasia	Minimal
* Liver	[Hepatocellular Adenoma TGLs = 1-7]	Hepatocellular Adenoma	
* Nose	Respirat Epith	Accumulation, Hyaline Droplet	Minimal
* Pituitary Gland	Pars Distalis	Hyperplasia	Mild
* Spleen	Lymph Follic	Hyperplasia	Minimal
* Uterus	Endometrium	Hyperplasia	Cystic, Mild

Experiment Number: 10472 - 04
 Test Type: CHRONIC
 Route: RESPIRATORY EXPOSURE WHOLE BODY
 Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 p-Chloro-a,a,a-trifluorotoluene
 CAS Number: 98-56-6

Date Report Requested: 03/25/2016
 Time Report Requested: 09:19:23
 First Dose M/F: 01/31/11 / 01/31/11
 Lab: BNW

ANIMAL ID: 133

TRT#: 2

SEX: Female

DAY ON TEST: 732

DOSE: Control

DISP: Terminal Sacrifice

HISTO: 63093

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	Blood Vessel	* Bone Marrow
* Brain	* Clitoral Gland	* Esophagus	* Eye
* Gallbladder	* Harderian Gland	* Heart	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Kidney	* Larynx
* Lung	* Lymph Node, Bronchial	* Lymph Node, Mandibular	* Lymph Node, Mediastinal
* Lymph Node, Mesenteric	* Mammary Gland	* Nose	* Ovary
* Pancreas	* Salivary Glands	* Skin	* Spleen
* Stomach, Forestomach	* Stomach, Glandular	* Thymus	* Thyroid Gland
* Trachea	* Urinary Bladder		

MISSING

* Parathyroid Gland

OBSERVATIONS

* Bone		Fibro-Osseous Lesion	Minimal
* Liver		Clear Cell Focus	
		Eosinophilic Focus	
		Hepatocellular Adenoma	
		Mixed Cell Focus	
	[Eosinophilic Focus TGLs = 3-6]		
	[Hepatocellular Adenoma TGLs = 2-7]		
	[Mixed Cell Focus TGLs = 1-6]		
* Pituitary Gland	Pars Distalis	Hyperplasia	Minimal
* Uterus	Endometrium	Hyperplasia	Cystic, Minimal

Experiment Number: 10472 - 04
Test Type: CHRONIC
Route: RESPIRATORY EXPOSURE WHOLE BODY
Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
p-Chloro-a,a,a-trifluorotoluene
CAS Number: 98-56-6

Date Report Requested: 03/25/2016
Time Report Requested: 09:19:23
First Dose M/F: 01/31/11 / 01/31/11
Lab: BNW

ANIMAL ID: 134

TRT#: 2

SEX: Female

DAY ON TEST: 733

DOSE: Control

DISP: Terminal Sacrifice

HISTO: 63094

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	Blood Vessel	* Bone
* Bone Marrow	* Brain	* Clitoral Gland	* Esophagus
* Eye	* Gallbladder	* Harderian Gland	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Kidney	* Liver
* Lung	* Lymph Node, Bronchial	* Lymph Node, Mandibular	* Lymph Node, Mediastinal
* Lymph Node, Mesenteric	* Mammary Gland	* Nose	* Ovary
* Pancreas	* Pituitary Gland	* Salivary Glands	* Skin
* Spleen	* Stomach, Forestomach	* Stomach, Glandular	* Thymus
* Thyroid Gland	* Trachea	* Urinary Bladder	

MISSING

* Parathyroid Gland

OBSERVATIONS

* Heart		Cardiomyopathy	Minimal
* Larynx	Squam Epithel	Hyperplasia	Minimal
Mesentery	Fat	Necrosis	Mild
[Necrosis TGLs = 1-7]			
* Uterus	Endometrium	Hyperplasia	Cystic, Marked

Experiment Number: 10472 - 04
 Test Type: CHRONIC
 Route: RESPIRATORY EXPOSURE WHOLE BODY
 Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 p-Chloro-a,a,a-trifluorotoluene
 CAS Number: 98-56-6

Date Report Requested: 03/25/2016
 Time Report Requested: 09:19:23
 First Dose M/F: 01/31/11 / 01/31/11
 Lab: BNW

ANIMAL ID: 135

TRT#: 2

SEX: Female

DAY ON TEST: 493

DOSE: Control

DISP: Natural Death

HISTO: 63095

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Blood Vessel	* Bone	* Brain	* Clitoral Gland
* Esophagus	* Eye	* Gallbladder	* Harderian Gland
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Larynx
* Lymph Node, Bronchial	* Lymph Node, Mediastinal	* Lymph Node, Mesenteric	* Mammary Gland
* Pancreas	* Pituitary Gland	* Salivary Glands	* Skin
* Stomach, Forestomach	* Stomach, Glandular	* Thyroid Gland	* Trachea
* Urinary Bladder			

MISSING

* Parathyroid Gland

OBSERVATIONS

* Adrenal Cortex		Histiocytic Sarcoma	
* Adrenal Medulla		Histiocytic Sarcoma	
* Bone Marrow		Necrosis	Minimal
* Heart		Cardiomyopathy	Minimal
* Kidney		Histiocytic Sarcoma	
* Liver		Histiocytic Sarcoma	
	[Histiocytic Sarcoma TGLs = 3-6]		
* Lung		Histiocytic Sarcoma	
* Lymph Node, Mandibular		Histiocytic Sarcoma	
* Nose	Respirat Epith	Accumulation, Hyaline Droplet	Minimal
		Histiocytic Sarcoma	
* Ovary		Histiocytic Sarcoma	
	[Histiocytic Sarcoma TGLs = 1-9]		
* Spleen		Hematopoietic Cell Proliferation	Minimal
* Thymus		Atrophy	Mild
* Uterus		Histiocytic Sarcoma	
	[Histiocytic Sarcoma TGLs = 2-10]		

PRIMARY CAUSE OF DEATH - Uterus Histiocytic Sarcoma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 10472 - 04
Test Type: CHRONIC
Route: RESPIRATORY EXPOSURE WHOLE BODY
Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
p-Chloro-a,a,a-trifluorotoluene
CAS Number: 98-56-6

Date Report Requested: 03/25/2016
Time Report Requested: 09:19:23
First Dose M/F: 01/31/11 / 01/31/11
Lab: BNW

ANIMAL ID: 136

TRT#: 2

SEX: Female

DAY ON TEST: 731

DOSE: Control

DISP: Terminal Sacrifice

HISTO: 63096

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	Blood Vessel	* Bone	* Bone Marrow
* Brain	* Clitoral Gland	* Esophagus	* Eye
* Gallbladder	* Harderian Gland	* Heart	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Kidney	* Larynx
* Lung	* Lymph Node, Bronchial	* Lymph Node, Mediastinal	* Lymph Node, Mesenteric
* Mammary Gland	* Nose	* Ovary	* Pancreas
* Parathyroid Gland	* Pituitary Gland	* Salivary Glands	* Skin
* Stomach, Forestomach	* Stomach, Glandular	* Thyroid Gland	* Trachea
* Urinary Bladder			

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Adrenal Medulla		Hyperplasia	Minimal
* Liver		Hepatocellular Adenoma	
	[Hepatocellular Adenoma TGLs = 1-6]		
* Spleen	Lymph Follic	Hyperplasia	Moderate
* Thymus		Ectopic Parathyroid Gland	
* Uterus	Endometrium	Hyperplasia	Cystic, Moderate

Experiment Number: 10472 - 04
 Test Type: CHRONIC
 Route: RESPIRATORY EXPOSURE WHOLE BODY
 Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 p-Chloro-a,a,a-trifluorotoluene
 CAS Number: 98-56-6

Date Report Requested: 03/25/2016
 Time Report Requested: 09:19:23
 First Dose M/F: 01/31/11 / 01/31/11
 Lab: BNW

ANIMAL ID: 137

TRT#: 2

SEX: Female

DAY ON TEST: 733

DOSE: Control

DISP: Terminal Sacrifice

HISTO: 63097

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Blood Vessel	* Bone	* Bone Marrow	* Brain
* Clitoral Gland	* Esophagus	* Eye	* Gallbladder
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Larynx
* Lung	* Lymph Node, Bronchial	* Lymph Node, Mandibular	* Lymph Node, Mediastinal
* Lymph Node, Mesenteric	* Mammary Gland	* Nose	* Ovary
* Pancreas	* Parathyroid Gland	* Pituitary Gland	* Salivary Glands
* Skin	* Spleen	* Stomach, Forestomach	* Stomach, Glandular
* Thymus	* Thyroid Gland	* Trachea	* Urinary Bladder

OBSERVATIONS

* Adrenal Cortex		Hypertrophy	Minimal
* Adrenal Medulla		Hyperplasia	Minimal
* Harderian Gland		Adenoma	
	[Adenoma TGLs = 3-12]		
* Heart		Cardiomyopathy	Minimal
* Kidney		Nephropathy	Minimal
* Liver		Clear Cell Focus	
	[Clear Cell Focus TGLs = 1-6]		
Mesentery	Fat	Necrosis	Mild
	[Necrosis TGLs = 2-7]		
* Uterus	Endometrium	Hyperplasia	Cystic, Moderate

* PROTOCOL REQUIRED TISSUE

Experiment Number: 10472 - 04
 Test Type: CHRONIC
 Route: RESPIRATORY EXPOSURE WHOLE BODY
 Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 p-Chloro-a,a,a-trifluorotoluene
 CAS Number: 98-56-6

Date Report Requested: 03/25/2016
 Time Report Requested: 09:19:23
 First Dose M/F: 01/31/11 / 01/31/11
 Lab: BNW

ANIMAL ID: 138

TRT#: 2

SEX: Female

DAY ON TEST: 733

DOSE: Control

DISP: Terminal Sacrifice

HISTO: 63098

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	Blood Vessel	* Bone
* Brain	* Clitoral Gland	* Esophagus	* Eye
* Harderian Gland	* Heart	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Larynx	* Lung	* Lymph Node, Bronchial
* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Mammary Gland	* Salivary Glands
* Skin	* Stomach, Forestomach	* Stomach, Glandular	* Thyroid Gland
* Trachea	* Urinary Bladder		

MISSING

* Gallbladder	* Parathyroid Gland
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OBSERVATIONS

* Bone Marrow		Hyperplasia	Minimal
* Kidney		Infarct	Minimal
* Liver		Inflammation	Minimal
	Hepatocyte	Necrosis	Mild
* Lymph Node, Mediastinal		Infiltration Cellular	Mild
	[Infiltration Cellular TGLs = 6-4]		
Mesentery	Fat	Necrosis	Mild
		Rhabdomyosarcoma	Metastatic (Skeletal Muscle)
	[Necrosis TGLs = 2-7]		
	[Rhabdomyosarcoma TGLs = 1-14]		
* Nose	Olfactory Epi	Accumulation, Hyaline Droplet	Minimal
	Respirat Epith	Accumulation, Hyaline Droplet	Minimal
		Inflammation	Suppurative, Minimal
* Ovary		Cyst	Mild
	[Cyst TGLs = 3-9]		
* Pancreas	Acinus	Atrophy	Minimal
* Pituitary Gland	Pars Distalis	Hyperplasia	Minimal
Skeletal Muscle		Rhabdomyosarcoma	Multiple
	[Rhabdomyosarcoma TGLs = 5-15]		

* PROTOCOL REQUIRED TISSUE

Experiment Number: 10472 - 04
Test Type: CHRONIC
Route: RESPIRATORY EXPOSURE WHOLE BODY
Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
p-Chloro-a,a,a-trifluorotoluene
CAS Number: 98-56-6

Date Report Requested: 03/25/2016
Time Report Requested: 09:19:23
First Dose M/F: 01/31/11 / 01/31/11
Lab: BNW

ANIMAL ID: 138

TRT#: 2

SEX: Female

DAY ON TEST: 733

DOSE: Control

DISP: Terminal Sacrifice

HISTO: 63098

ORGAN AND ACCOUNTABLE SITE STATUS

* Spleen		Hematopoietic Cell Proliferation	Moderate
	[Hematopoietic Cell Proliferation TGLs = 4-6]		
* Thymus		Atrophy	Mild
* Uterus	Endometrium	Hyperplasia	Cystic, Moderate

Experiment Number: 10472 - 04
 Test Type: CHRONIC
 Route: RESPIRATORY EXPOSURE WHOLE BODY
 Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 p-Chloro-a,a,a-trifluorotoluene
 CAS Number: 98-56-6

Date Report Requested: 03/25/2016
 Time Report Requested: 09:19:23
 First Dose M/F: 01/31/11 / 01/31/11
 Lab: BNW

ANIMAL ID: 139

TRT#: 2

SEX: Female

DAY ON TEST: 733

DOSE: Control

DISP: Terminal Sacrifice

HISTO: 63099

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	Blood Vessel	* Bone Marrow	* Brain
* Clitoral Gland	* Esophagus	* Eye	* Gallbladder
* Harderian Gland	* Heart	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Larynx	* Liver	* Lung
* Lymph Node, Bronchial	* Lymph Node, Mandibular	* Lymph Node, Mediastinal	* Lymph Node, Mesenteric
* Mammary Gland	* Ovary	* Pancreas	* Parathyroid Gland
* Pituitary Gland	* Salivary Glands	* Skin	* Spleen
* Stomach, Forestomach	* Stomach, Glandular	* Thyroid Gland	* Trachea
* Urinary Bladder			

OBSERVATIONS

* Adrenal Cortex		Hypertrophy	Minimal
* Bone		Fibro-Osseous Lesion	Minimal
* Kidney		Nephropathy	Minimal
Mesentery	Fat	Necrosis	Minimal
[Necrosis TGLs = 1-7]			
* Nose	Olfactory Epi	Accumulation, Hyaline Droplet	Mild
	Respirat Epith	Accumulation, Hyaline Droplet	Minimal
* Thymus		Ectopic Parathyroid Gland	
* Uterus	Endometrium	Hyperplasia	Cystic, Mild

* PROTOCOL REQUIRED TISSUE

Experiment Number: 10472 - 04
 Test Type: CHRONIC
 Route: RESPIRATORY EXPOSURE WHOLE BODY
 Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 p-Chloro-a,a,a-trifluorotoluene
 CAS Number: 98-56-6

Date Report Requested: 03/25/2016
 Time Report Requested: 09:19:23
 First Dose M/F: 01/31/11 / 01/31/11
 Lab: BNW

ANIMAL ID: 140

TRT#: 2

SEX: Female

DAY ON TEST: 664

DOSE: Control

DISP: Natural Death

HISTO: 63100

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	Blood Vessel	* Bone	* Bone Marrow
* Brain	* Clitoral Gland	* Esophagus	* Eye
* Gallbladder	* Harderian Gland	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Larynx	* Lung	* Lymph Node, Bronchial
* Lymph Node, Mediastinal	* Lymph Node, Mesenteric	* Mammary Gland	* Ovary
* Pancreas	* Salivary Glands	* Skin	* Spleen
* Stomach, Forestomach	* Stomach, Glandular	* Thyroid Gland	* Trachea
* Urinary Bladder	* Uterus		

MISSING

* Lymph Node, Mandibular	* Parathyroid Gland
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OBSERVATIONS

* Adrenal Cortex		Hypertrophy	Minimal
* Heart		Cardiomyopathy	Minimal
* Kidney		Nephropathy	Minimal
* Liver		Hepatocellular Carcinoma	Multiple
	[Hepatocellular Carcinoma TGLs = 2-7]		
* Nose	Respirat Epith	Accumulation, Hyaline Droplet	Minimal
	Olfactory Epi	Accumulation, Hyaline Droplet	Minimal
* Pituitary Gland	Pars Distalis	Adenoma	
	[Adenoma TGLs = 1-10]		
* Thymus		Atrophy	Mild

PRIMARY CAUSE OF DEATH - Liver Hepatocellular Carcinoma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 10472 - 04
 Test Type: CHRONIC
 Route: RESPIRATORY EXPOSURE WHOLE BODY
 Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 p-Chloro-a,a,a-trifluorotoluene
 CAS Number: 98-56-6

Date Report Requested: 03/25/2016
 Time Report Requested: 09:19:23
 First Dose M/F: 01/31/11 / 01/31/11
 Lab: BNW

ANIMAL ID: 141

TRT#: 2

SEX: Female

DAY ON TEST: 733

DOSE: Control

DISP: Terminal Sacrifice

HISTO: 63101

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	Blood Vessel	* Bone	* Bone Marrow
* Brain	* Clitoral Gland	* Esophagus	* Eye
* Gallbladder	* Harderian Gland	* Heart	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Lung	* Lymph Node, Bronchial
* Lymph Node, Mandibular	* Mammary Gland	* Ovary	* Pancreas
* Parathyroid Gland	* Pituitary Gland	* Salivary Glands	* Skin
* Stomach, Forestomach	* Stomach, Glandular	* Thyroid Gland	* Trachea
* Urinary Bladder			

MISSING

* Lymph Node, Mediastinal

OBSERVATIONS

* Adrenal Medulla		Hyperplasia	Minimal
* Kidney		Nephropathy	Minimal
* Larynx	Squam Epithel	Hyperplasia	Minimal
* Liver		Hepatocellular Adenoma	
	[Hepatocellular Adenoma TGLs = 1-14]		
* Lymph Node, Mesenteric		Hyperplasia	Lymphoid, Mild
* Nose	Olfactory Epi	Accumulation, Hyaline Droplet	Minimal
	Respirat Epith	Accumulation, Hyaline Droplet	Minimal
* Spleen		Hematopoietic Cell Proliferation	Mild
	Lymph Follic	Hyperplasia	Minimal
	[Hematopoietic Cell Proliferation TGLs = 2-6]		
* Thymus		Ectopic Parathyroid Gland	
* Uterus		Hemangiosarcoma	
	Endometrium	Hyperplasia	Cystic, Moderate
	[Hemangiosarcoma TGLs = 3-16]		

Experiment Number: 10472 - 04
Test Type: CHRONIC
Route: RESPIRATORY EXPOSURE WHOLE BODY
Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
p-Chloro-a,a,a-trifluorotoluene
CAS Number: 98-56-6

Date Report Requested: 03/25/2016
Time Report Requested: 09:19:23
First Dose M/F: 01/31/11 / 01/31/11
Lab: BNW

ANIMAL ID: 142

TRT#: 2

SEX: Female

DAY ON TEST: 732

DOSE: Control

DISP: Terminal Sacrifice

HISTO: 63102

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	Blood Vessel	* Bone
* Bone Marrow	* Brain	* Clitoral Gland	* Esophagus
* Eye	* Gallbladder	* Harderian Gland	* Heart
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Kidney
* Larynx	* Lung	* Lymph Node, Bronchial	* Lymph Node, Mandibular
* Lymph Node, Mediastinal	* Lymph Node, Mesenteric	* Mammary Gland	* Ovary
* Pancreas	* Parathyroid Gland	* Pituitary Gland	* Salivary Glands
* Skin	* Spleen	* Stomach, Forestomach	* Stomach, Glandular
* Thyroid Gland	* Trachea	* Urinary Bladder	

OBSERVATIONS

* Liver		Basophilic Focus	
		Hepatocellular Carcinoma	
	[Hepatocellular Carcinoma TGLs = 1-14]		
* Nose	Respirat Epith	Accumulation, Hyaline Droplet	Minimal
* Thymus		Ectopic Parathyroid Gland	
* Uterus	Endometrium	Hyperplasia	Cystic, Moderate

Experiment Number: 10472 - 04
 Test Type: CHRONIC
 Route: RESPIRATORY EXPOSURE WHOLE BODY
 Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 p-Chloro-a,a,a-trifluorotoluene
 CAS Number: 98-56-6

Date Report Requested: 03/25/2016
 Time Report Requested: 09:19:23
 First Dose M/F: 01/31/11 / 01/31/11
 Lab: BNW

ANIMAL ID: 143

TRT#: 2

SEX: Female

DAY ON TEST: 732

DOSE: Control

DISP: Terminal Sacrifice

HISTO: 63103

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	Blood Vessel	* Bone Marrow	* Brain
* Clitoral Gland	* Esophagus	* Eye	* Gallbladder
* Harderian Gland	* Heart	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Kidney	* Liver	* Lymph Node, Bronchial
* Lymph Node, Mandibular	* Lymph Node, Mediastinal	* Lymph Node, Mesenteric	* Ovary
* Pancreas	* Parathyroid Gland	* Salivary Glands	* Skin
* Stomach, Glandular	* Thyroid Gland	* Trachea	* Urinary Bladder

MISSING

* Mammary Gland

OBSERVATIONS

* Adrenal Cortex		Degeneration	Minimal
		Hypertrophy	Minimal
* Bone		Fibro-Osseous Lesion	Mild
* Larynx	Squam Epithel	Hyperplasia	Minimal
* Lung		Alveolar/Bronchiolar Adenoma	
	[Alveolar/Bronchiolar Adenoma		
	TGLs = 2-15]		
* Nose	Olfactory Epi	Accumulation, Hyaline Droplet	Minimal
* Pituitary Gland	Pars Distalis	Adenoma	
	[Adenoma TGLs = 1-10]		
* Spleen	Lymph Follic	Hyperplasia	Minimal
* Stomach, Forestomach		Inflammation	Minimal
* Thymus		Atrophy	Minimal
* Uterus	Endometrium	Hyperplasia	Cystic, Moderate

Experiment Number: 10472 - 04
Test Type: CHRONIC
Route: RESPIRATORY EXPOSURE WHOLE BODY
Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
p-Chloro-a,a,a-trifluorotoluene
CAS Number: 98-56-6

Date Report Requested: 03/25/2016
Time Report Requested: 09:19:23
First Dose M/F: 01/31/11 / 01/31/11
Lab: BNW

ANIMAL ID: 144

TRT#: 2

SEX: Female

DAY ON TEST: 733

DOSE: Control

DISP: Terminal Sacrifice

HISTO: 63104

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	Blood Vessel	* Bone Marrow	* Brain
* Clitoral Gland	* Esophagus	* Eye	* Gallbladder
* Harderian Gland	* Heart	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Kidney	* Larynx	* Liver
* Lung	* Lymph Node, Bronchial	* Lymph Node, Mandibular	* Lymph Node, Mediastinal
* Lymph Node, Mesenteric	* Mammary Gland	* Nose	* Pancreas
* Salivary Glands	* Skin	* Stomach, Forestomach	* Stomach, Glandular
* Thymus	* Thyroid Gland	* Trachea	* Urinary Bladder

MISSING

* Parathyroid Gland

OBSERVATIONS

* Adrenal Cortex		Degeneration	Minimal
* Bone		Fibro-Osseous Lesion	Minimal
* Ovary		Cyst	Mild
* Pituitary Gland	Pars Distalis	Hyperplasia	Minimal
* Spleen	Lymph Follic	Hyperplasia	Minimal
* Uterus	Endometrium	Hyperplasia	Cystic, Marked

[Hyperplasia TGLs = 1-10]

Experiment Number: 10472 - 04
Test Type: CHRONIC
Route: RESPIRATORY EXPOSURE WHOLE BODY
Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

p-Chloro-a,a,a-trifluorotoluene

CAS Number: 98-56-6

Date Report Requested: 03/25/2016

Time Report Requested: 09:19:23

First Dose M/F: 01/31/11 / 01/31/11

Lab: BNW

ANIMAL ID: 145

TRT#: 2

SEX: Female

DAY ON TEST: 732

DOSE: Control

DISP: Terminal Sacrifice

HISTO: 63105

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	Blood Vessel	* Bone
* Bone Marrow	* Brain	* Clitoral Gland	* Esophagus
* Eye	* Gallbladder	* Heart	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Kidney	* Larynx
* Liver	* Lung	* Lymph Node, Bronchial	* Lymph Node, Mandibular
* Lymph Node, Mediastinal	* Lymph Node, Mesenteric	* Mammary Gland	* Nose
* Ovary	* Pancreas	* Salivary Glands	* Skin
* Stomach, Forestomach	* Stomach, Glandular	* Thymus	* Thyroid Gland
* Trachea	* Urinary Bladder		

MISSING

* Parathyroid Gland

OBSERVATIONS

* Harderian Gland		Hyperplasia	Mild
* Pituitary Gland	Pars Distalis	Hyperplasia	Minimal
* Spleen		Hematopoietic Cell Proliferation	Minimal
* Uterus	Endometrium	Hyperplasia	Cystic, Moderate

Experiment Number: 10472 - 04
Test Type: CHRONIC
Route: RESPIRATORY EXPOSURE WHOLE BODY
Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
p-Chloro-a,a,a-trifluorotoluene
CAS Number: 98-56-6

Date Report Requested: 03/25/2016
Time Report Requested: 09:19:23
First Dose M/F: 01/31/11 / 01/31/11
Lab: BNW

ANIMAL ID: 146

TRT#: 2

SEX: Female

DAY ON TEST: 732

DOSE: Control

DISP: Terminal Sacrifice

HISTO: 63106

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	Blood Vessel	* Bone Marrow
* Brain	* Clitoral Gland	* Esophagus	* Eye
* Gallbladder	* Harderian Gland	* Heart	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Larynx	* Liver
* Lymph Node, Bronchial	* Lymph Node, Mandibular	* Lymph Node, Mediastinal	* Lymph Node, Mesenteric
* Mammary Gland	* Ovary	* Pancreas	* Parathyroid Gland
* Pituitary Gland	* Salivary Glands	* Skin	* Stomach, Forestomach
* Stomach, Glandular	* Thyroid Gland	* Trachea	* Urinary Bladder

OBSERVATIONS

* Bone		Fibro-Osseous Lesion	Mild
* Kidney		Nephropathy	Minimal
* Lung		Alveolar/Bronchiolar Adenoma	
* Nose	Respirat Epith	Accumulation, Hyaline Droplet	Minimal
		Inflammation	Suppurative, Minimal
	Respirat Epith	Metaplasia	Squamous, Minimal
* Spleen	Lymph Follic	Hyperplasia	Minimal
* Thymus		Atrophy	Minimal
* Uterus	Endometrium	Hyperplasia	Cystic, Minimal

Experiment Number: 10472 - 04
 Test Type: CHRONIC
 Route: RESPIRATORY EXPOSURE WHOLE BODY
 Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 p-Chloro-a,a,a-trifluorotoluene
 CAS Number: 98-56-6

Date Report Requested: 03/25/2016
 Time Report Requested: 09:19:23
 First Dose M/F: 01/31/11 / 01/31/11
 Lab: BNW

ANIMAL ID: 147

TRT#: 2

SEX: Female

DAY ON TEST: 732

DOSE: Control

DISP: Terminal Sacrifice

HISTO: 63107

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	Blood Vessel	* Brain
* Esophagus	* Eye	* Gallbladder	* Harderian Gland
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Larynx
* Liver	* Lung	* Lymph Node, Bronchial	* Lymph Node, Mandibular
* Lymph Node, Mediastinal	* Lymph Node, Mesenteric	* Nose	* Pancreas
* Salivary Glands	* Skin	* Stomach, Forestomach	* Stomach, Glandular
* Thyroid Gland	* Trachea	* Urinary Bladder	

MISSING

* Clitoral Gland	* Parathyroid Gland
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OBSERVATIONS

* Bone		Fibro-Osseous Lesion	Mild
* Bone Marrow		Hyperplasia	Minimal
* Heart		Cardiomyopathy	Minimal
* Kidney		Nephropathy	Moderate
	[Nephropathy TGLs = 2-7]		
* Mammary Gland		Hyperplasia	Mild
Mesentery		Hemangiosarcoma	
	[Hemangiosarcoma TGLs = 4-7]		
* Ovary		Granulosa-Theca Tumor Malignant	
	[Granulosa-Theca Tumor Malignant TGLs = 3-9]		
* Pituitary Gland	Pars Distalis	Adenoma	
	[Adenoma TGLs = 1-10]		
* Spleen		Hematopoietic Cell Proliferation	Minimal
* Thymus		Atrophy	Mild
* Uterus	Endometrium	Hyperplasia	Cystic, Moderate

* PROTOCOL REQUIRED TISSUE

Experiment Number: 10472 - 04
 Test Type: CHRONIC
 Route: RESPIRATORY EXPOSURE WHOLE BODY
 Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 p-Chloro-a,a,a-trifluorotoluene
 CAS Number: 98-56-6

Date Report Requested: 03/25/2016
 Time Report Requested: 09:19:23
 First Dose M/F: 01/31/11 / 01/31/11
 Lab: BNW

ANIMAL ID: 148

TRT#: 2

SEX: Female

DAY ON TEST: 732

DOSE: Control

DISP: Terminal Sacrifice

HISTO: 63108

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	Blood Vessel	* Bone	* Bone Marrow
* Brain	* Clitoral Gland	* Esophagus	* Eye
* Gallbladder	* Harderian Gland	* Heart	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Liver	* Lung
* Mammary Gland	* Nose	* Ovary	* Parathyroid Gland
* Skin	* Stomach, Forestomach	* Stomach, Glandular	* Thyroid Gland
* Trachea	* Urinary Bladder		

OBSERVATIONS

* Adrenal Medulla		Hyperplasia	Minimal
* Kidney		Lymphoma Malignant	
* Larynx	Squam Epithel	Hyperplasia	Minimal
* Lymph Node, Bronchial		Lymphoma Malignant	
* Lymph Node, Mandibular		Lymphoma Malignant	
* Lymph Node, Mediastinal		Lymphoma Malignant	
* Lymph Node, Mesenteric		Lymphoma Malignant	
[Lymphoma Malignant TGLs = 1-7]			
* Pancreas		Lymphoma Malignant	
* Pituitary Gland	Pars Distalis	Hyperplasia	Minimal
* Salivary Glands		Lymphoma Malignant	
* Spleen	Lymph Follic	Hyperplasia	Mild
* Thymus		Ectopic Parathyroid Gland	
		Lymphoma Malignant	
* Uterus	Endometrium	Hyperplasia	Cystic, Moderate

* PROTOCOL REQUIRED TISSUE

Experiment Number: 10472 - 04
Test Type: CHRONIC
Route: RESPIRATORY EXPOSURE WHOLE BODY
Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
p-Chloro-a,a,a-trifluorotoluene
CAS Number: 98-56-6

Date Report Requested: 03/25/2016
Time Report Requested: 09:19:23
First Dose M/F: 01/31/11 / 01/31/11
Lab: BNW

ANIMAL ID: 149

TRT#: 2

SEX: Female

DAY ON TEST: 733

DOSE: Control

DISP: Terminal Sacrifice

HISTO: 63109

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	Blood Vessel	* Bone	* Bone Marrow
* Brain	* Clitoral Gland	* Esophagus	* Eye
* Gallbladder	* Harderian Gland	* Heart	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Larynx	* Lung
* Lymph Node, Bronchial	* Lymph Node, Mandibular	* Lymph Node, Mediastinal	* Lymph Node, Mesenteric
* Mammary Gland	* Nose	* Ovary	* Pancreas
* Pituitary Gland	* Salivary Glands	* Skin	* Spleen
* Stomach, Forestomach	* Stomach, Glandular	* Thymus	* Thyroid Gland
* Trachea	* Urinary Bladder	* Uterus	

MISSING

* Parathyroid Gland

OBSERVATIONS

* Adrenal Cortex	Hypertrophy	Minimal
* Kidney	Infarct	Minimal
* Liver	Hepatocellular Adenoma	

[Hepatocellular Adenoma TGLs = 1-7]

Experiment Number: 10472 - 04
 Test Type: CHRONIC
 Route: RESPIRATORY EXPOSURE WHOLE BODY
 Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 p-Chloro-a,a,a-trifluorotoluene
 CAS Number: 98-56-6

Date Report Requested: 03/25/2016
 Time Report Requested: 09:19:23
 First Dose M/F: 01/31/11 / 01/31/11
 Lab: BNW

ANIMAL ID: 150

TRT#: 2

SEX: Female

DAY ON TEST: 733

DOSE: Control

DISP: Terminal Sacrifice

HISTO: 63110

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	Blood Vessel	* Bone
* Bone Marrow	* Brain	* Clitoral Gland	* Esophagus
* Eye	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Larynx
* Mammary Gland	* Ovary	* Pancreas	* Parathyroid Gland
* Pituitary Gland	* Salivary Glands	* Skin	* Stomach, Glandular
* Thyroid Gland	* Trachea	* Urinary Bladder	

MISSING

* Gallbladder	* Lymph Node, Bronchial	* Lymph Node, Mediastinal
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OBSERVATIONS

* Harderian Gland [Adenoma TGLs = 3-12]		Adenoma	
* Heart		Cardiomyopathy	Minimal
* Intestine Large, Cecum	Epithelium	Hyperplasia	Moderate
* Kidney		Lymphoma Malignant	
* Liver		Clear Cell Focus	
		Lymphoma Malignant	
Note: Liver, non-mass oncogene sample contains lymphoma, malignant [Lymphoma Malignant TGLs = 1,2-7+14]			
* Lung		Alveolar/Bronchiolar Adenoma	
* Lymph Node, Mandibular		Lymphoma Malignant	
* Lymph Node, Mesenteric		Lymphoma Malignant	
* Nose	Olfactory Epi	Accumulation, Hyaline Droplet	Minimal
	Respirat Epith	Accumulation, Hyaline Droplet	Minimal
* Spleen	Lymph Follic	Hyperplasia	Minimal
* Stomach, Forestomach		Squamous Cell Papilloma	
* Thymus		Lymphoma Malignant	
* Uterus	Endometrium	Hyperplasia	Cystic, Mild

* PROTOCOL REQUIRED TISSUE

Experiment Number: 10472 - 04
 Test Type: CHRONIC
 Route: RESPIRATORY EXPOSURE WHOLE BODY
 Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 p-Chloro-a,a,a-trifluorotoluene
 CAS Number: 98-56-6

Date Report Requested: 03/25/2016
 Time Report Requested: 09:19:23
 First Dose M/F: 01/31/11 / 01/31/11
 Lab: BNW

ANIMAL ID: 301

TRT#: 4

SEX: Female

DAY ON TEST: 731

DOSE: 100 ppm

DISP: Terminal Sacrifice

HISTO: 63361

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	Blood Vessel	* Bone
* Bone Marrow	* Brain	* Clitoral Gland	* Esophagus
* Eye	* Gallbladder	* Harderian Gland	* Heart
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Kidney
* Liver	* Lymph Node, Bronchial	* Lymph Node, Mandibular	* Lymph Node, Mediastinal
* Lymph Node, Mesenteric	* Ovary	* Pancreas	* Parathyroid Gland
* Pituitary Gland	* Salivary Glands	* Skin	* Spleen
* Stomach, Forestomach	* Stomach, Glandular	* Thymus	* Thyroid Gland
* Trachea	* Urinary Bladder		

OBSERVATIONS

* Larynx	Squam Epithel	Hyperplasia	Minimal
* Lung		Alveolar/Bronchiolar Adenoma	
	Peribronchiolr	Fibrosis	Minimal
	Alv/Bron Epith	Hyperplasia	Moderate
* Mammary Gland		Hyperplasia	Minimal
* Nose	Olfactory Epi	Accumulation, Hyaline Droplet	Minimal
	Respirat Epith	Accumulation, Hyaline Droplet	Minimal
* Uterus	Endometrium	Hyperplasia	Cystic, Mild

Experiment Number: 10472 - 04
 Test Type: CHRONIC
 Route: RESPIRATORY EXPOSURE WHOLE BODY
 Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 p-Chloro-a,a,a-trifluorotoluene
 CAS Number: 98-56-6

Date Report Requested: 03/25/2016
 Time Report Requested: 09:19:23
 First Dose M/F: 01/31/11 / 01/31/11
 Lab: BNW

ANIMAL ID: 302

TRT#: 4

SEX: Female

DAY ON TEST: 731

DOSE: 100 ppm

DISP: Terminal Sacrifice

HISTO: 63362

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	Blood Vessel	* Brain	* Clitoral Gland
* Esophagus	* Eye	* Gallbladder	* Harderian Gland
* Heart	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Larynx	* Lymph Node, Mandibular	* Lymph Node, Mediastinal	* Mammary Gland
* Pancreas	* Pituitary Gland	* Salivary Glands	* Skin
* Stomach, Forestomach	* Stomach, Glandular	* Thymus	* Thyroid Gland
* Trachea	* Urinary Bladder		

MISSING

* Lymph Node, Bronchial	* Lymph Node, Mesenteric	* Parathyroid Gland
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OBSERVATIONS

* Adrenal Medulla		Hyperplasia	Minimal
* Bone		Fibro-Osseous Lesion	Minimal
* Bone Marrow		Atrophy	Minimal
* Kidney		Infarct	Mild
* Liver		Basophilic Focus	
		Clear Cell Focus	
* Lung	Alv/Bron Epith	Hyperplasia	Mild
* Nose	Respirat Epith	Accumulation, Hyaline Droplet	Minimal
* Ovary		Cyst	Mild
	[Cyst TGLs = 2-9]		
* Spleen	Lymph Follic	Hyperplasia	Moderate
	[Hyperplasia TGLs = 1-6]		
* Uterus	Endometrium	Hyperplasia	Cystic, Mild

* PROTOCOL REQUIRED TISSUE

Experiment Number: 10472 - 04
 Test Type: CHRONIC
 Route: RESPIRATORY EXPOSURE WHOLE BODY
 Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 p-Chloro-a,a,a-trifluorotoluene
 CAS Number: 98-56-6

Date Report Requested: 03/25/2016
 Time Report Requested: 09:19:23
 First Dose M/F: 01/31/11 / 01/31/11
 Lab: BNW

ANIMAL ID: 303

TRT#: 4

SEX: Female

DAY ON TEST: 731

DOSE: 100 ppm

DISP: Terminal Sacrifice

HISTO: 63363

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	Blood Vessel	* Bone	* Brain
* Clitoral Gland	* Esophagus	* Eye	* Gallbladder
* Harderian Gland	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Kidney	* Larynx	* Lymph Node, Bronchial	* Lymph Node, Mandibular
* Lymph Node, Mediastinal	* Ovary	* Pancreas	* Salivary Glands
* Skin	* Stomach, Forestomach	* Stomach, Glandular	* Trachea
* Urinary Bladder			

MISSING

* Parathyroid Gland

OBSERVATIONS

* Adrenal Cortex		Vacuolization Cytoplasmic	Mild
* Bone Marrow		Hyperplasia	Minimal
* Heart		Cardiomyopathy	Minimal
* Liver		Eosinophilic Focus	
		Hepatocellular Carcinoma	Multiple
[Hepatocellular Carcinoma	TGLs = 1,2-14+15]		
* Lung		Alveolar/Bronchiolar Adenoma	
	Peribronchiolr	Fibrosis	Minimal
	Alv/Bron Epith	Hyperplasia	Minimal
Lymph Node	Iliac	Ectasia	Mild
[Ectasia	TGLs = 5-7]		
* Lymph Node, Mesenteric		Hepatocellular Carcinoma	Metastatic (Liver)
* Mammary Gland		Hyperplasia	Minimal
* Nose	Olfactory Epi	Accumulation, Hyaline Droplet	Minimal
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma	TGLs = 3-10]		
* Spleen		Hematopoietic Cell Proliferation	Minimal
* Thymus		Atrophy	Mild
* Thyroid Gland	Follicular Cel	Hyperplasia	Mild

* PROTOCOL REQUIRED TISSUE

Experiment Number: 10472 - 04
Test Type: CHRONIC
Route: RESPIRATORY EXPOSURE WHOLE BODY
Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
p-Chloro-a,a,a-trifluorotoluene
CAS Number: 98-56-6

Date Report Requested: 03/25/2016
Time Report Requested: 09:19:23
First Dose M/F: 01/31/11 / 01/31/11
Lab: BNW

ANIMAL ID: 303

TRT#: 4

SEX: Female

DAY ON TEST: 731

DOSE: 100 ppm

DISP: Terminal Sacrifice

HISTO: 63363

ORGAN AND ACCOUNTABLE SITE STATUS

* Uterus

Endometrium

Angiectasis

Minimal

Hyperplasia

Cystic, Minimal

[Hyperplasia TGLs = 4-10]

Experiment Number: 10472 - 04
Test Type: CHRONIC
Route: RESPIRATORY EXPOSURE WHOLE BODY
Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 p-Chloro-a,a,a-trifluorotoluene
CAS Number: 98-56-6

Date Report Requested: 03/25/2016
Time Report Requested: 09:19:23
First Dose M/F: 01/31/11 / 01/31/11
Lab: BNW

ANIMAL ID: 304

TRT#: 4

SEX: Female

DAY ON TEST: 733

DOSE: 100 ppm

DISP: Terminal Sacrifice

HISTO: 63364

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	Blood Vessel	* Bone	* Bone Marrow
* Brain	* Clitoral Gland	* Esophagus	* Eye
* Gallbladder	* Harderian Gland	* Heart	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Larynx	* Mammary Gland
* Ovary	* Pancreas	* Pituitary Gland	* Salivary Glands
* Skin	* Stomach, Forestomach	* Stomach, Glandular	* Thyroid Gland
* Trachea			

MISSING

* Parathyroid Gland

OBSERVATIONS

* Adrenal Medulla		Hyperplasia	Minimal
* Kidney		Lymphoma Malignant	
* Liver		Hepatocellular Adenoma	
		Lymphoma Malignant	
Note: Hepatocellular adenoma on left lobe, slide 6			
* Lung	Peribronchiolr Alv/Bron Epith	Fibrosis	Minimal
		Hyperplasia	Moderate
		Lymphoma Malignant	
* Lymph Node, Bronchial		Lymphoma Malignant	
* Lymph Node, Mandibular		Lymphoma Malignant	
* Lymph Node, Mediastinal		Lymphoma Malignant	
	[Lymphoma Malignant TGLs = 1-4]		
* Lymph Node, Mesenteric		Lymphoma Malignant	
Mesentery	Fat	Necrosis	Minimal
	[Necrosis TGLs = 3-7]		
* Nose	Respirat Epith	Accumulation, Hyaline Droplet	Minimal
* Spleen		Lymphoma Malignant	
* Thymus		Lymphoma Malignant	
* Urinary Bladder		Lymphoma Malignant	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 10472 - 04
Test Type: CHRONIC
Route: RESPIRATORY EXPOSURE WHOLE BODY
Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
p-Chloro-a,a,a-trifluorotoluene
CAS Number: 98-56-6

Date Report Requested: 03/25/2016
Time Report Requested: 09:19:23
First Dose M/F: 01/31/11 / 01/31/11
Lab: BNW

ANIMAL ID: 304

TRT#: 4

SEX: Female

DAY ON TEST: 733

DOSE: 100 ppm

DISP: Terminal Sacrifice

HISTO: 63364

ORGAN AND ACCOUNTABLE SITE STATUS

* Uterus

Endometrium

Hyperplasia

Cystic, Marked

[Hyperplasia TGLs = 2-10]

Experiment Number: 10472 - 04
 Test Type: CHRONIC
 Route: RESPIRATORY EXPOSURE WHOLE BODY
 Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 p-Chloro-a,a,a-trifluorotoluene
 CAS Number: 98-56-6

Date Report Requested: 03/25/2016
 Time Report Requested: 09:19:23
 First Dose M/F: 01/31/11 / 01/31/11
 Lab: BNW

ANIMAL ID: 305

TRT#: 4

SEX: Female

DAY ON TEST: 488

DOSE: 100 ppm

DISP: Moribund Sacrifice

HISTO: 63365

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	Blood Vessel	* Brain
* Clitoral Gland	* Esophagus	* Eye	* Gallbladder
* Harderian Gland	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Lymph Node, Mesenteric	* Mammary Gland	* Pancreas	* Parathyroid Gland
* Pituitary Gland	* Salivary Glands	* Skin	* Stomach, Glandular
* Thyroid Gland	* Trachea	* Urinary Bladder	

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Bone	Maxilla	Histiocytic Sarcoma	
* Bone Marrow		Histiocytic Sarcoma	
* Heart		Cardiomyopathy	Minimal
		Histiocytic Sarcoma	
* Kidney		Nephropathy	Minimal
* Larynx	Squam Epithel	Hyperplasia	Minimal
* Liver		Histiocytic Sarcoma	
	[Histiocytic Sarcoma TGLs = 3,4,5,6,7,8,9-6+7+14+16+17+18]		
* Lung	Alv/Bron Epith	Hyperplasia	Minimal
* Lymph Node, Bronchial		Histiocytic Sarcoma	
* Lymph Node, Mediastinal		Histiocytic Sarcoma	
Mesentery		Histiocytic Sarcoma	
* Nose	Respirat Epith	Accumulation, Hyaline Droplet	Minimal
* Ovary		Histiocytic Sarcoma	
* Spleen		Hematopoietic Cell Proliferation	Moderate
* Stomach, Forestomach	Epithelium	Ulcer	Minimal
* Thymus		Atrophy	Mild
		Ectopic Parathyroid Gland	
* Uterus		Histiocytic Sarcoma	
	Endometrium	Hyperplasia	Cystic, Moderate

* PROTOCOL REQUIRED TISSUE

Experiment Number: 10472 - 04
Test Type: CHRONIC
Route: RESPIRATORY EXPOSURE WHOLE BODY
Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
p-Chloro-a,a,a-trifluorotoluene
CAS Number: 98-56-6

Date Report Requested: 03/25/2016
Time Report Requested: 09:19:23
First Dose M/F: 01/31/11 / 01/31/11
Lab: BNW

ANIMAL ID: 305

TRT#: 4

SEX: Female

DAY ON TEST: 488

DOSE: 100 ppm

DISP: Moribund Sacrifice

HISTO: 63365

ORGAN AND ACCOUNTABLE SITE STATUS

[Histiocytic Sarcoma TGLs = 2-15]

PRIMARY CAUSE OF DEATH - Liver Histiocytic Sarcoma

Experiment Number: 10472 - 04
 Test Type: CHRONIC
 Route: RESPIRATORY EXPOSURE WHOLE BODY
 Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 p-Chloro-a,a,a-trifluorotoluene
 CAS Number: 98-56-6

Date Report Requested: 03/25/2016
 Time Report Requested: 09:19:23
 First Dose M/F: 01/31/11 / 01/31/11
 Lab: BNW

ANIMAL ID: 306

TRT#: 4

SEX: Female

DAY ON TEST: 626

DOSE: 100 ppm

DISP: Moribund Sacrifice

HISTO: 63366

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	Blood Vessel	* Bone Marrow	* Brain
* Clitoral Gland	* Esophagus	* Eye	* Gallbladder
* Harderian Gland	* Heart	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Larynx	* Liver	* Lymph Node, Bronchial
* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Mammary Gland	* Nose
* Ovary	* Pancreas	* Parathyroid Gland	* Pituitary Gland
* Salivary Glands	* Stomach, Forestomach	* Stomach, Glandular	* Thyroid Gland
* Trachea	* Urinary Bladder		

OBSERVATIONS

* Adrenal Cortex		Hypertrophy	Minimal
* Bone		Fibro-Osseous Lesion	Minimal
* Kidney		Nephropathy	Minimal
* Lung	Peribronchiolr Alv/Bron Epith	Fibrosis	Minimal
* Lymph Node, Mediastinal		Hyperplasia	Mild
* Skin	Subcut Tiss	Hyperplasia	Lymphoid, Mild
	[Schwannoma Malignant TGLs = 1-14]	Schwannoma Malignant	
* Spleen		Hematopoietic Cell Proliferation	Mild
	[Hematopoietic Cell Proliferation TGLs = 2-6]		
* Thymus		Hyperplasia	Lymphoid, Moderate
* Uterus	Endometrium	Hyperplasia	Cystic, Mild

PRIMARY CAUSE OF DEATH - Skin Subcut Tiss Schwannoma Malignant

Experiment Number: 10472 - 04
 Test Type: CHRONIC
 Route: RESPIRATORY EXPOSURE WHOLE BODY
 Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 p-Chloro-a,a,a-trifluorotoluene
 CAS Number: 98-56-6

Date Report Requested: 03/25/2016
 Time Report Requested: 09:19:23
 First Dose M/F: 01/31/11 / 01/31/11
 Lab: BNW

ANIMAL ID: 307

TRT#: 4

SEX: Female

DAY ON TEST: 732

DOSE: 100 ppm

DISP: Terminal Sacrifice

HISTO: 63367

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	Blood Vessel	* Bone	* Bone Marrow
* Brain	* Clitoral Gland	* Esophagus	* Eye
* Gallbladder	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Kidney	* Larynx	* Lymph Node, Bronchial	* Lymph Node, Mediastinal
* Lymph Node, Mesenteric	* Mammary Gland	* Pancreas	* Pituitary Gland
* Salivary Glands	* Skin	* Stomach, Glandular	* Thymus
* Thyroid Gland	* Trachea	* Urinary Bladder	

MISSING

* Lymph Node, Mandibular	* Parathyroid Gland
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OBSERVATIONS

* Adrenal Medulla		Vacuolization Cytoplasmic	Moderate
* Harderian Gland		Hyperplasia	Minimal
* Heart		Cardiomyopathy	Mild
* Liver		Fibrosis	Mild
		Hepatocellular Adenoma	
		Hepatocellular Carcinoma	
	Centrilobular, Hepatocyte	Hypertrophy	Minimal
[Hepatocellular Adenoma	TGLs = 1-14]		
* Lung	Peribronchiolr	Fibrosis	Minimal
	Alv/Bron Epith	Hyperplasia	Mild
* Nose	Olfactory Epi	Accumulation, Hyaline Droplet	Minimal
	Respirat Epith	Accumulation, Hyaline Droplet	Minimal
* Ovary		Cyst	Minimal
[Cyst	TGLs = 2-9]		
* Spleen	Lymph Follic	Hyperplasia	Mild
* Stomach, Forestomach		Inflammation	Minimal
* Uterus	Endometrium	Hyperplasia	Cystic, Minimal

* PROTOCOL REQUIRED TISSUE

Experiment Number: 10472 - 04
Test Type: CHRONIC
Route: RESPIRATORY EXPOSURE WHOLE BODY
Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 p-Chloro-a,a,a-trifluorotoluene
CAS Number: 98-56-6

Date Report Requested: 03/25/2016
Time Report Requested: 09:19:23
First Dose M/F: 01/31/11 / 01/31/11
Lab: BNW

ANIMAL ID: 308

TRT#: 4

SEX: Female

DAY ON TEST: 691

DOSE: 100 ppm

DISP: Moribund Sacrifice

HISTO: 63368

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	Blood Vessel	* Bone	* Bone Marrow
* Brain	* Esophagus	* Eye	* Gallbladder
* Harderian Gland	* Heart	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Kidney	* Larynx	* Liver
* Lymph Node, Bronchial	* Lymph Node, Mandibular	* Lymph Node, Mediastinal	* Lymph Node, Mesenteric
* Mammary Gland	* Nose	* Ovary	* Pancreas
* Parathyroid Gland	* Pituitary Gland	* Salivary Glands	* Stomach, Forestomach
* Stomach, Glandular	* Thyroid Gland	* Trachea	* Urinary Bladder

MISSING

* Clitoral Gland

OBSERVATIONS

* Adrenal Cortex		Hypertrophy	Minimal
* Lung	Peribronchiolr	Fibrosis	Minimal
	Alv/Bron Epith	Hyperplasia	Moderate
* Skin	Subcut Tiss	Rhabdomyosarcoma	
	[Rhabdomyosarcoma TGLs = 1-15+17]		
* Spleen	Lymph Follic	Hyperplasia	Mild
* Thymus		Ectopic Parathyroid Gland	
		Hyperplasia	Lymphoid, Minimal
* Uterus	Serosa	Cyst	Mild

PRIMARY CAUSE OF DEATH - Skin Subcut Tiss Rhabdomyosarcoma

Experiment Number: 10472 - 04
 Test Type: CHRONIC
 Route: RESPIRATORY EXPOSURE WHOLE BODY
 Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 p-Chloro-a,a,a-trifluorotoluene
 CAS Number: 98-56-6

Date Report Requested: 03/25/2016
 Time Report Requested: 09:19:23
 First Dose M/F: 01/31/11 / 01/31/11
 Lab: BNW

ANIMAL ID: 309

TRT#: 4

SEX: Female

DAY ON TEST: 576

DOSE: 100 ppm

DISP: Natural Death

HISTO: 63369

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	Blood Vessel	* Bone
* Brain	* Clitoral Gland	* Esophagus	* Eye
* Gallbladder	* Heart	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Liver	* Lymph Node, Mandibular	* Mammary Gland
* Pancreas	* Parathyroid Gland	* Pituitary Gland	* Salivary Glands
* Skin	* Thyroid Gland	* Trachea	

OBSERVATIONS

* Bone Marrow		Lymphoma Malignant	
* Harderian Gland		Adenoma	
	[Adenoma TGLs = 3-12]		
* Kidney		Lymphoma Malignant	
* Larynx	Squam Epithel	Hyperplasia	Mild
	Squam Epithel	Inflammation	Minimal
* Lung	Alv/Bron Epith	Hyperplasia	Minimal
		Lymphoma Malignant	
Lymph Node	Iliac	Lymphoma Malignant	
	Renal	Lymphoma Malignant	
	[Lymphoma Malignant TGLs = 5-6]		
	[Lymphoma Malignant TGLs = 4-7]		
* Lymph Node, Bronchial		Lymphoma Malignant	
* Lymph Node, Mediastinal		Lymphoma Malignant	
	[Lymphoma Malignant TGLs = 2-4]		
* Lymph Node, Mesenteric		Lymphoma Malignant	
Mesentery		Lymphoma Malignant	
	[Lymphoma Malignant TGLs = 6-14]		
* Nose	Respirat Epith	Accumulation, Hyaline Droplet	Mild
	Olfactory Epi	Accumulation, Hyaline Droplet	Minimal
* Ovary		Lymphoma Malignant	
* Spleen		Lymphoma Malignant	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 10472 - 04
Test Type: CHRONIC
Route: RESPIRATORY EXPOSURE WHOLE BODY
Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
p-Chloro-a,a,a-trifluorotoluene
CAS Number: 98-56-6

Date Report Requested: 03/25/2016
Time Report Requested: 09:19:23
First Dose M/F: 01/31/11 / 01/31/11
Lab: BNW

ANIMAL ID: 309

TRT#: 4

SEX: Female

DAY ON TEST: 576

DOSE: 100 ppm

DISP: Natural Death

HISTO: 63369

ORGAN AND ACCOUNTABLE SITE STATUS

* Stomach, Forestomach

Lymphoma Malignant

* Stomach, Glandular

Lymphoma Malignant

* Thymus

Ectopic Parathyroid Gland

Lymphoma Malignant

* Urinary Bladder

Lymphoma Malignant

* Uterus

Endometrium

Hyperplasia

Cystic, Mild

PRIMARY CAUSE OF DEATH

- Lymph Node, Mediastinal Lymphoma Malignant

Experiment Number: 10472 - 04
Test Type: CHRONIC
Route: RESPIRATORY EXPOSURE WHOLE BODY
Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
p-Chloro-a,a,a-trifluorotoluene
CAS Number: 98-56-6

Date Report Requested: 03/25/2016
Time Report Requested: 09:19:23
First Dose M/F: 01/31/11 / 01/31/11
Lab: BNW

ANIMAL ID: 310

TRT#: 4

SEX: Female

DAY ON TEST: 564

DOSE: 100 ppm

DISP: Moribund Sacrifice

HISTO: 63370

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	Blood Vessel	* Bone	* Bone Marrow
* Clitoral Gland	* Esophagus	* Eye	* Gallbladder
* Harderian Gland	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Kidney	* Liver	* Lymph Node, Bronchial	* Lymph Node, Mandibular
* Lymph Node, Mediastinal	* Lymph Node, Mesenteric	* Mammary Gland	* Ovary
* Pancreas	Peripheral Nerve	* Salivary Glands	Skeletal Muscle
* Skin	Spinal Cord	* Spleen	* Stomach, Forestomach
* Stomach, Glandular	* Thymus	* Thyroid Gland	* Trachea
* Urinary Bladder			

MISSING

* Parathyroid Gland

OBSERVATIONS

* Adrenal Cortex		Hypertrophy	Mild
* Brain		Compression	Mild
* Heart		Inflammation	Minimal
* Larynx	Squam Epithel	Hyperplasia	Minimal
* Lung	Peribronchiolr	Fibrosis	Minimal
	Alv/Bron Epith	Hyperplasia	Minimal
* Nose	Olfactory Epi	Accumulation, Hyaline Droplet	Minimal
* Pituitary Gland	Pars Distalis	Adenoma	
	[Adenoma TGLs = 1-10]		
* Uterus	Endometrium	Hyperplasia	Cystic, Minimal

PRIMARY CAUSE OF DEATH - Pituitary Gland Pars Distalis Adenoma

Experiment Number: 10472 - 04
Test Type: CHRONIC
Route: RESPIRATORY EXPOSURE WHOLE BODY
Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
p-Chloro-a,a,a-trifluorotoluene
CAS Number: 98-56-6

Date Report Requested: 03/25/2016
Time Report Requested: 09:19:23
First Dose M/F: 01/31/11 / 01/31/11
Lab: BNW

ANIMAL ID: 311

TRT#: 4

SEX: Female

DAY ON TEST: 731

DOSE: 100 ppm

DISP: Terminal Sacrifice

HISTO: 63371

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	Blood Vessel	* Bone
* Bone Marrow	* Brain	* Clitoral Gland	* Esophagus
* Eye	* Gallbladder	* Harderian Gland	* Heart
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Larynx
* Lymph Node, Bronchial	* Lymph Node, Mandibular	* Lymph Node, Mediastinal	* Lymph Node, Mesenteric
* Mammary Gland	* Ovary	* Pancreas	* Pituitary Gland
* Salivary Glands	* Skin	* Spleen	* Stomach, Forestomach
* Stomach, Glandular	* Thymus	* Thyroid Gland	* Trachea
* Urinary Bladder			

MISSING

* Parathyroid Gland

OBSERVATIONS

* Kidney		Nephropathy	Mild
* Liver		Eosinophilic Focus	
* Lung	Alv/Bron Epith	Hyperplasia	Mild
* Nose		Inflammation	Suppurative, Minimal
* Uterus	Endometrium	Hyperplasia	Cystic, Mild

Experiment Number: 10472 - 04
Test Type: CHRONIC
Route: RESPIRATORY EXPOSURE WHOLE BODY
Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 p-Chloro-a,a,a-trifluorotoluene
CAS Number: 98-56-6

Date Report Requested: 03/25/2016
Time Report Requested: 09:19:23
First Dose M/F: 01/31/11 / 01/31/11
Lab: BNW

ANIMAL ID: 312

TRT#: 4

SEX: Female

DAY ON TEST: 731

DOSE: 100 ppm

DISP: Terminal Sacrifice

HISTO: 63372

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	Blood Vessel	* Bone
* Bone Marrow	* Brain	* Esophagus	* Eye
* Gallbladder	* Harderian Gland	* Heart	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Larynx	* Lymph Node, Bronchial
* Lymph Node, Mandibular	* Lymph Node, Mediastinal	* Mammary Gland	* Ovary
* Pancreas	* Parathyroid Gland	* Pituitary Gland	* Salivary Glands
* Skin	* Stomach, Forestomach	* Stomach, Glandular	* Thyroid Gland
* Trachea	* Urinary Bladder		

MISSING

* Clitoral Gland

OBSERVATIONS

* Kidney		Nephropathy	Mild
* Liver		Eosinophilic Focus	
		Mixed Cell Focus	
	[Eosinophilic Focus TGLs = 1-16]		
	[Mixed Cell Focus TGLs = 2-15]		
* Lung	Peribronchiolr	Fibrosis	Minimal
	Alv/Bron Epith	Hyperplasia	Mild
* Lymph Node, Mesenteric		Angiectasis	Minimal
	[Angiectasis TGLs = 5-7]		
Mesentery	Fat	Necrosis	Minimal
	[Necrosis TGLs = 4-15]		
* Nose		Inflammation	Suppurative, Minimal
* Spleen	Lymph Follic	Hyperplasia	Mild
* Thymus		Ectopic Parathyroid Gland	
* Uterus	Endometrium	Hyperplasia	Cystic, Moderate
	[Hyperplasia TGLs = 3-10]		

* PROTOCOL REQUIRED TISSUE

Experiment Number: 10472 - 04
 Test Type: CHRONIC
 Route: RESPIRATORY EXPOSURE WHOLE BODY
 Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 p-Chloro-a,a,a-trifluorotoluene
 CAS Number: 98-56-6

Date Report Requested: 03/25/2016
 Time Report Requested: 09:19:23
 First Dose M/F: 01/31/11 / 01/31/11
 Lab: BNW

ANIMAL ID: 313

TRT#: 4

SEX: Female

DAY ON TEST: 732

DOSE: 100 ppm

DISP: Terminal Sacrifice

HISTO: 63373

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	Blood Vessel	* Bone	* Clitoral Gland
* Esophagus	* Eye	* Gallbladder	* Harderian Gland
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Lymph Node, Bronchial
* Lymph Node, Mandibular	* Lymph Node, Mediastinal	* Lymph Node, Mesenteric	* Pancreas
* Parathyroid Gland	* Salivary Glands	* Skin	* Stomach, Forestomach
* Stomach, Glandular	* Thyroid Gland	* Trachea	* Urinary Bladder

OBSERVATIONS

* Adrenal Cortex		Hypertrophy	Mild
* Bone Marrow		Hemangiosarcoma	
* Brain		Compression	Minimal
* Heart		Inflammation	Minimal
* Kidney		Infarct	Mild
* Larynx	Squam Epithel	Hyperplasia	Minimal
* Liver		Eosinophilic Focus	
	Centrilobular, Hepatocyte	Hypertrophy	Minimal
	Hepatocyte	Multinucleated	Minimal
	[Eosinophilic Focus TGLs = 3-6]		
* Lung	Peribronchiolr	Fibrosis	Minimal
	Alv/Bron Epith	Hyperplasia	Minimal
* Mammary Gland		Hyperplasia	Minimal
Mesentery		Hemangiosarcoma	
	[Hemangiosarcoma TGLs = 1-7]		
* Nose	Respirat Epith	Accumulation, Hyaline Droplet	Minimal
* Ovary		Cyst	Minimal
* Pituitary Gland	Pars Distalis	Adenoma	
	[Adenoma TGLs = 2-10]		
Skeletal Muscle		Hemangiosarcoma	
	[Hemangiosarcoma TGLs = 4-14]		
* Spleen		Hematopoietic Cell Proliferation	Minimal

* PROTOCOL REQUIRED TISSUE

Experiment Number: 10472 - 04
Test Type: CHRONIC
Route: RESPIRATORY EXPOSURE WHOLE BODY
Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
p-Chloro-a,a,a-trifluorotoluene
CAS Number: 98-56-6

Date Report Requested: 03/25/2016
Time Report Requested: 09:19:23
First Dose M/F: 01/31/11 / 01/31/11
Lab: BNW

ANIMAL ID: 313

TRT#: 4

SEX: Female

DAY ON TEST: 732

DOSE: 100 ppm

DISP: Terminal Sacrifice

HISTO: 63373

ORGAN AND ACCOUNTABLE SITE STATUS

* Thymus

Ectopic Parathyroid Gland

* Uterus

Endometrium

Hyperplasia

Cystic, Minimal

Experiment Number: 10472 - 04
 Test Type: CHRONIC
 Route: RESPIRATORY EXPOSURE WHOLE BODY
 Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 p-Chloro-a,a,a-trifluorotoluene
 CAS Number: 98-56-6

Date Report Requested: 03/25/2016
 Time Report Requested: 09:19:23
 First Dose M/F: 01/31/11 / 01/31/11
 Lab: BNW

ANIMAL ID: 314

TRT#: 4

SEX: Female

DAY ON TEST: 732

DOSE: 100 ppm

DISP: Terminal Sacrifice

HISTO: 63374

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	Blood Vessel	* Bone Marrow
* Brain	* Clitoral Gland	* Esophagus	* Eye
* Gallbladder	* Harderian Gland	* Heart	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Larynx	* Liver
* Lymph Node, Bronchial	* Lymph Node, Mandibular	* Lymph Node, Mediastinal	* Lymph Node, Mesenteric
* Nose	* Ovary	* Pancreas	* Parathyroid Gland
* Pituitary Gland	* Salivary Glands	* Skin	* Stomach, Forestomach
* Stomach, Glandular	* Thymus	* Thyroid Gland	* Trachea
* Urinary Bladder			

OBSERVATIONS

* Bone		Fibro-Osseous Lesion	Minimal
* Kidney		Nephropathy	Minimal
* Lung		Alveolar/Bronchiolar Adenoma	
	Peribronchiolr	Fibrosis	Minimal
		Hemorrhage	Mild
	Alv/Bron Epith	Hyperplasia	Moderate
	Alveolus	Infiltration Cellular	Histiocyte, Mild
		Thrombosis	Minimal
* Mammary Gland		Hyperplasia	Minimal
Mesentery	Fat	Necrosis	Mild
[Necrosis TGLs = 2-7]			
* Spleen	Lymph Follic	Hyperplasia	Minimal
* Uterus	Endometrium	Hyperplasia	Cystic, Moderate
[Hyperplasia TGLs = 1-10]			

* PROTOCOL REQUIRED TISSUE

Experiment Number: 10472 - 04
 Test Type: CHRONIC
 Route: RESPIRATORY EXPOSURE WHOLE BODY
 Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 p-Chloro-a,a,a-trifluorotoluene
 CAS Number: 98-56-6

Date Report Requested: 03/25/2016
 Time Report Requested: 09:19:23
 First Dose M/F: 01/31/11 / 01/31/11
 Lab: BNW

ANIMAL ID: 315

TRT#: 4

SEX: Female

DAY ON TEST: 731

DOSE: 100 ppm

DISP: Terminal Sacrifice

HISTO: 63375

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	Blood Vessel	* Bone
* Bone Marrow	* Brain	* Clitoral Gland	* Esophagus
* Eye	* Gallbladder	* Harderian Gland	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Kidney	* Larynx
* Lymph Node, Bronchial	* Lymph Node, Mandibular	* Lymph Node, Mediastinal	* Lymph Node, Mesenteric
* Mammary Gland	* Ovary	* Pituitary Gland	* Salivary Glands
* Skin	* Stomach, Glandular	* Thymus	* Thyroid Gland
* Trachea	* Urinary Bladder		

MISSING

* Parathyroid Gland

OBSERVATIONS

* Heart		Cardiomyopathy	Minimal
* Liver		Eosinophilic Focus	
		Hepatocellular Adenoma	
		Hepatocellular Carcinoma	
	[Eosinophilic Focus TGLs = 2-6]		
	[Hepatocellular Adenoma TGLs = 3-6]		
	[Hepatocellular Carcinoma TGLs = 1-14]		
* Lung	Peribronchiolr	Fibrosis	Minimal
	Alv/Bron Epith	Hyperplasia	Marked
* Nose	Respirat Epith	Accumulation, Hyaline Droplet	Minimal
* Pancreas	Acinus	Hypertrophy	Minimal
* Spleen	Lymph Follic	Hyperplasia	Minimal
* Stomach, Forestomach		Inflammation	Minimal
* Uterus	Endometrium	Hyperplasia	Cystic, Mild

Experiment Number: 10472 - 04
 Test Type: CHRONIC
 Route: RESPIRATORY EXPOSURE WHOLE BODY
 Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 p-Chloro-a,a,a-trifluorotoluene
 CAS Number: 98-56-6

Date Report Requested: 03/25/2016
 Time Report Requested: 09:19:23
 First Dose M/F: 01/31/11 / 01/31/11
 Lab: BNW

ANIMAL ID: 316

TRT#: 4

SEX: Female

DAY ON TEST: 733

DOSE: 100 ppm

DISP: Terminal Sacrifice

HISTO: 63376

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	Blood Vessel	* Bone	* Bone Marrow
* Brain	* Clitoral Gland	* Esophagus	* Eye
* Gallbladder	* Harderian Gland	* Heart	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Larynx	* Lymph Node, Bronchial
* Lymph Node, Mandibular	* Lymph Node, Mediastinal	* Lymph Node, Mesenteric	* Ovary
* Pancreas	* Parathyroid Gland	* Pituitary Gland	* Salivary Glands
* Skin	* Spleen	* Stomach, Forestomach	* Stomach, Glandular
* Thyroid Gland	* Trachea	* Urinary Bladder	

OBSERVATIONS

* Adrenal Medulla		Pheochromocytoma Benign	
* Kidney		Nephropathy	Minimal
* Liver		Clear Cell Focus	
		Hepatocellular Adenoma	
	[Hepatocellular Adenoma TGLs = 1-7]		
* Lung	Peribronchiolr	Fibrosis	Minimal
	Alv/Bron Epith	Hyperplasia	Mild
* Mammary Gland		Hyperplasia	Minimal
* Nose	Respirat Epith	Accumulation, Hyaline Droplet	Minimal
* Thymus		Ectopic Parathyroid Gland	
* Uterus	Endometrium	Hyperplasia	Cystic, Moderate
	[Hyperplasia TGLs = 2-10]		

Experiment Number: 10472 - 04
 Test Type: CHRONIC
 Route: RESPIRATORY EXPOSURE WHOLE BODY
 Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 p-Chloro-a,a,a-trifluorotoluene
 CAS Number: 98-56-6

Date Report Requested: 03/25/2016
 Time Report Requested: 09:19:23
 First Dose M/F: 01/31/11 / 01/31/11
 Lab: BNW

ANIMAL ID: 317

TRT#: 4

SEX: Female

DAY ON TEST: 597

DOSE: 100 ppm

DISP: Moribund Sacrifice

HISTO: 63377

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	Blood Vessel	* Bone	* Bone Marrow
* Brain	* Clitoral Gland	* Esophagus	* Eye
* Gallbladder	* Harderian Gland	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Lymph Node, Bronchial	* Lymph Node, Mandibular	* Lymph Node, Mediastinal
* Lymph Node, Mesenteric	* Mammary Gland	* Pituitary Gland	* Salivary Glands
* Skin	* Spleen	* Stomach, Forestomach	* Stomach, Glandular
* Thyroid Gland	* Trachea	* Urinary Bladder	

MISSING

* Parathyroid Gland

OBSERVATIONS

* Adrenal Medulla		Hyperplasia	Minimal
* Heart		Cardiomyopathy	Minimal
* Kidney		Hemangiosarcoma	
* Larynx	Squam Epithel	Hyperplasia	Minimal
	Squam Epithel	Ulcer	Mild
* Liver	Centrilobular, Hepatocyte	Hypertrophy	Minimal
* Lung	Peribronchiolr	Fibrosis	Minimal
		Hemangiosarcoma	
	Alv/Bron Epith	Hyperplasia	Mild
Mesentery		Hemangiosarcoma	
* Nose	Respirat Epith	Accumulation, Hyaline Droplet	Minimal
	Olfactory Epi	Accumulation, Hyaline Droplet	Minimal
* Ovary		Cyst	
* Pancreas	Acinus	Atrophy	Minimal
* Thymus		Atrophy	Mild
* Uterus	Endometrium	Hyperplasia	Cystic, Moderate

[Hyperplasia TGLs = 2-10]

PRIMARY CAUSE OF DEATH - Kidney Hemangiosarcoma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 10472 - 04
 Test Type: CHRONIC
 Route: RESPIRATORY EXPOSURE WHOLE BODY
 Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 p-Chloro-a,a,a-trifluorotoluene
 CAS Number: 98-56-6

Date Report Requested: 03/25/2016
 Time Report Requested: 09:19:23
 First Dose M/F: 01/31/11 / 01/31/11
 Lab: BNW

ANIMAL ID: 318

TRT#: 4

SEX: Female

DAY ON TEST: 733

DOSE: 100 ppm

DISP: Terminal Sacrifice

HISTO: 63378

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	Blood Vessel	* Bone Marrow	* Brain
* Clitoral Gland	* Esophagus	* Eye	* Gallbladder
* Harderian Gland	* Heart	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Kidney	* Larynx	* Lymph Node, Bronchial
* Lymph Node, Mandibular	* Lymph Node, Mediastinal	* Lymph Node, Mesenteric	* Mammary Gland
* Ovary	* Pancreas	* Parathyroid Gland	* Pituitary Gland
* Salivary Glands	* Skin	* Spleen	* Stomach, Forestomach
* Stomach, Glandular	* Thymus	* Thyroid Gland	* Trachea
* Urinary Bladder			

OBSERVATIONS

* Adrenal Cortex		Hypertrophy	Minimal
* Bone		Fibro-Osseous Lesion	Minimal
* Liver		Basophilic Focus	
	[Basophilic Focus TGLs = 2-7]		
* Lung	Peribronchiolr	Fibrosis	Minimal
	Alv/Bron Epith	Hyperplasia	Mild
Mesentery	Fat	Necrosis	Minimal
	[Necrosis TGLs = 1-14]		
* Nose	Respirat Epith	Accumulation, Hyaline Droplet	Minimal
* Uterus	Endometrium	Hyperplasia	Cystic, Moderate

Experiment Number: 10472 - 04
Test Type: CHRONIC
Route: RESPIRATORY EXPOSURE WHOLE BODY
Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
p-Chloro-a,a,a-trifluorotoluene
CAS Number: 98-56-6

Date Report Requested: 03/25/2016
Time Report Requested: 09:19:23
First Dose M/F: 01/31/11 / 01/31/11
Lab: BNW

ANIMAL ID: 319

TRT#: 4

SEX: Female

DAY ON TEST: 733

DOSE: 100 ppm

DISP: Terminal Sacrifice

HISTO: 63379

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	Blood Vessel	* Bone Marrow
* Brain	* Clitoral Gland	* Esophagus	* Eye
* Gallbladder	* Harderian Gland	* Heart	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Kidney	* Larynx
* Liver	* Lymph Node, Bronchial	* Lymph Node, Mediastinal	* Lymph Node, Mesenteric
* Mammary Gland	* Ovary	* Pancreas	* Parathyroid Gland
* Pituitary Gland	* Salivary Glands	* Skin	* Spleen
* Stomach, Forestomach	* Stomach, Glandular	* Thyroid Gland	* Trachea
* Urinary Bladder			

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Bone		Fibro-Osseous Lesion	Minimal
* Lung	Peribronchiolr	Fibrosis	Minimal
	Alv/Bron Epith	Hyperplasia	Minimal
* Nose	Respirat Epith	Accumulation, Hyaline Droplet	Minimal
* Thymus		Ectopic Parathyroid Gland	
* Uterus	Endometrium	Hyperplasia	Cystic, Mild

Experiment Number: 10472 - 04
 Test Type: CHRONIC
 Route: RESPIRATORY EXPOSURE WHOLE BODY
 Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 p-Chloro-a,a,a-trifluorotoluene
 CAS Number: 98-56-6

Date Report Requested: 03/25/2016
 Time Report Requested: 09:19:23
 First Dose M/F: 01/31/11 / 01/31/11
 Lab: BNW

ANIMAL ID: 320

TRT#: 4

SEX: Female

DAY ON TEST: 685

DOSE: 100 ppm

DISP: Natural Death

HISTO: 63380

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Brain	* Clitoral Gland	* Esophagus
* Eye	* Harderian Gland	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Nose	* Parathyroid Gland	* Pituitary Gland
* Skin	* Spleen	* Thyroid Gland	* Trachea

OBSERVATIONS

* Adrenal Cortex		Lymphoma Malignant	
Blood Vessel		Lymphoma Malignant	
* Bone		Fibro-Osseous Lesion	Minimal
* Bone Marrow		Lymphoma Malignant	
* Gallbladder		Lymphoma Malignant	
* Heart		Lymphoma Malignant	
* Intestine Large, Cecum		Lymphoma Malignant	
* Intestine Large, Colon		Lymphoma Malignant	
* Intestine Large, Rectum		Lymphoma Malignant	
* Intestine Small, Duodenum		Lymphoma Malignant	
* Kidney		Lymphoma Malignant	
* Larynx	Squam Epithel	Hyperplasia	Mild
	Squam Epithel	Lymphoma Malignant	
* Liver		Ulcer	Minimal
		Hepatocellular Adenoma	
		Lymphoma Malignant	
	[Hepatocellular Adenoma TGLs = 5-6]		
* Lung	Alv/Bron Epith	Hyperplasia	Minimal
		Lymphoma Malignant	
* Lymph Node, Bronchial		Lymphoma Malignant	
	[Lymphoma Malignant TGLs = 4-5]		
* Lymph Node, Mandibular		Lymphoma Malignant	
* Lymph Node, Mediastinal		Lymphoma Malignant	
	[Lymphoma Malignant TGLs = 3-4]		
* Lymph Node, Mesenteric		Lymphoma Malignant	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 10472 - 04
Test Type: CHRONIC
Route: RESPIRATORY EXPOSURE WHOLE BODY
Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
p-Chloro-a,a,a-trifluorotoluene
CAS Number: 98-56-6

Date Report Requested: 03/25/2016
Time Report Requested: 09:19:23
First Dose M/F: 01/31/11 / 01/31/11
Lab: BNW

ANIMAL ID: 320

TRT#: 4

SEX: Female

DAY ON TEST: 685

DOSE: 100 ppm

DISP: Natural Death

HISTO: 63380

ORGAN AND ACCOUNTABLE SITE STATUS

[Lymphoma Malignant TGLs = 6-8]		
* Mammary Gland		Adenocarcinoma
[Adenocarcinoma TGLs = 1-9]		
* Ovary		Lymphoma Malignant
* Pancreas		Lymphoma Malignant
* Salivary Glands		Lymphoma Malignant
* Stomach, Forestomach		Lymphoma Malignant
* Stomach, Glandular		Lymphoma Malignant
* Thymus		Lymphoma Malignant
* Urinary Bladder		Lymphoma Malignant
* Uterus	Endometrium	Hyperplasia Lymphoma Malignant
		Cystic, Mild

PRIMARY CAUSE OF DEATH - Lymph Node, Mediastinal Lymphoma Malignant

Experiment Number: 10472 - 04
 Test Type: CHRONIC
 Route: RESPIRATORY EXPOSURE WHOLE BODY
 Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 p-Chloro-a,a,a-trifluorotoluene
 CAS Number: 98-56-6

Date Report Requested: 03/25/2016
 Time Report Requested: 09:19:23
 First Dose M/F: 01/31/11 / 01/31/11
 Lab: BNW

ANIMAL ID: 321

TRT#: 4

SEX: Female

DAY ON TEST: 224

DOSE: 100 ppm

DISP: Moribund Sacrifice

HISTO: 63381

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	Blood Vessel	* Bone
* Bone Marrow	* Clitoral Gland	* Esophagus	* Eye
* Gallbladder	* Harderian Gland	* Heart	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Larynx	* Liver
* Lymph Node, Bronchial	* Lymph Node, Mandibular	* Lymph Node, Mediastinal	* Lymph Node, Mesenteric
* Mammary Gland	* Ovary	* Pancreas	* Pituitary Gland
* Salivary Glands	* Skin	* Spleen	* Stomach, Glandular
* Thyroid Gland	* Trachea	* Urinary Bladder	

MISSING

* Parathyroid Gland

OBSERVATIONS

* Brain		Gliosis	Minimal
Note: Level 3: Thalamus			
* Kidney		Amyloid Deposition	Marked
[Amyloid Deposition TGLs = 2-7]			
* Lung		Alveolar/Bronchiolar Adenoma	
* Nose	Respirat Epith	Accumulation, Hyaline Droplet	Minimal
* Stomach, Forestomach	Epithelium	Hyperplasia	Minimal
* Thymus		Atrophy	Moderate
* Uterus	Endometrium	Hyperplasia	Cystic, Minimal

PRIMARY CAUSE OF DEATH - Kidney Amyloid Deposition

Experiment Number: 10472 - 04
 Test Type: CHRONIC
 Route: RESPIRATORY EXPOSURE WHOLE BODY
 Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 p-Chloro-a,a,a-trifluorotoluene
 CAS Number: 98-56-6

Date Report Requested: 03/25/2016
 Time Report Requested: 09:19:23
 First Dose M/F: 01/31/11 / 01/31/11
 Lab: BNW

ANIMAL ID: 322

TRT#: 4

SEX: Female

DAY ON TEST: 732

DOSE: 100 ppm

DISP: Terminal Sacrifice

HISTO: 63382

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	Blood Vessel	* Bone Marrow
* Brain	* Clitoral Gland	* Esophagus	* Eye
* Gallbladder	* Harderian Gland	* Heart	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Kidney	* Larynx
* Lymph Node, Bronchial	* Lymph Node, Mandibular	* Lymph Node, Mediastinal	* Lymph Node, Mesenteric
* Mammary Gland	* Pancreas	* Pituitary Gland	* Salivary Glands
* Skin	* Stomach, Glandular	* Thymus	* Thyroid Gland
* Trachea	* Urinary Bladder		

MISSING

* Parathyroid Gland

OBSERVATIONS

* Bone		Fibro-Osseous Lesion	Mild
* Liver		Eosinophilic Focus	
		Hepatocellular Adenoma	Multiple
[Hepatocellular Adenoma	TGLs = 1,2-6+14]		
* Lung	Peribronchiolr	Fibrosis	Minimal
	Alv/Bron Epith	Hyperplasia	Mild
Mesentery	Fat	Necrosis	Minimal
[Necrosis	TGLs = 3-7]		
* Nose	Respirat Epith	Accumulation, Hyaline Droplet	Minimal
* Ovary		Cyst	Minimal
[Cyst	TGLs = 4-9]		
* Spleen	Lymph Follic	Hyperplasia	Minimal
* Stomach, Forestomach	Epithelium	Hyperplasia	Moderate
		Inflammation	Minimal
* Uterus	Endometrium	Hyperplasia	Cystic, Marked

* PROTOCOL REQUIRED TISSUE

Experiment Number: 10472 - 04
 Test Type: CHRONIC
 Route: RESPIRATORY EXPOSURE WHOLE BODY
 Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 p-Chloro-a,a,a-trifluorotoluene
 CAS Number: 98-56-6

Date Report Requested: 03/25/2016
 Time Report Requested: 09:19:23
 First Dose M/F: 01/31/11 / 01/31/11
 Lab: BNW

ANIMAL ID: 323

TRT#: 4

SEX: Female

DAY ON TEST: 733

DOSE: 100 ppm

DISP: Terminal Sacrifice

HISTO: 63383

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Brain	* Clitoral Gland	* Esophagus	* Eye
* Gallbladder	* Heart	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Larynx	* Lymph Node, Bronchial	* Lymph Node, Mandibular
* Lymph Node, Mediastinal	* Lymph Node, Mesenteric	* Mammary Gland	* Ovary
* Pancreas	* Parathyroid Gland	* Salivary Glands	* Skin
* Stomach, Forestomach	* Stomach, Glandular	* Thyroid Gland	* Trachea
* Urinary Bladder			

OBSERVATIONS

Blood Vessel		Inflammation	Minimal
Note: Inflammation cuffing a blood vessel in the thryoid gland region			
* Harderian Gland		Adenoma	
* Kidney		Infarct	Minimal
* Liver		Clear Cell Focus	
* Lung	Peribronchiolr	Fibrosis	Minimal
	Alv/Bron Epith	Hyperplasia	Mild
* Nose	Olfactory Epi	Accumulation, Hyaline Droplet	Minimal
* Pituitary Gland	Pars Distalis	Angiectasis	Minimal
	[Angiectasis TGLs = 3-10]		
* Spleen	Lymph Follic	Hyperplasia	Mild
* Thymus		Ectopic Parathyroid Gland	
* Uterus	Endometrium	Hyperplasia	Cystic, Marked
	[Hyperplasia TGLs = 1,2-10]		

Experiment Number: 10472 - 04
 Test Type: CHRONIC
 Route: RESPIRATORY EXPOSURE WHOLE BODY
 Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 p-Chloro-a,a,a-trifluorotoluene
 CAS Number: 98-56-6

Date Report Requested: 03/25/2016
 Time Report Requested: 09:19:23
 First Dose M/F: 01/31/11 / 01/31/11
 Lab: BNW

ANIMAL ID: 324

TRT#: 4

SEX: Female

DAY ON TEST: 659

DOSE: 100 ppm

DISP: Moribund Sacrifice

HISTO: 63384

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	Blood Vessel	* Bone Marrow
* Brain	* Clitoral Gland	* Esophagus	* Eye
* Gallbladder	* Harderian Gland	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Larynx	* Liver	* Lymph Node, Bronchial
* Lymph Node, Mesenteric	* Mammary Gland	* Ovary	* Pancreas
* Pituitary Gland	* Skin	* Stomach, Forestomach	* Stomach, Glandular
* Thyroid Gland	* Trachea		

MISSING

* Parathyroid Gland

OBSERVATIONS

* Bone		Fibro-Osseous Lesion	Minimal
* Heart		Cardiomyopathy	Minimal
* Kidney		Lymphoma Malignant	
		Nephropathy	Moderate
* Lung	Peribronchiolr	Fibrosis	Minimal
		Hemorrhage	Mild
	Alv/Bron Epith	Hyperplasia	Moderate
	[Hemorrhage TGLs = 2,3,4-5]		
	Lymph Node	Renal	
		Renal	
		Lumbar	
	[Lymphoma Malignant TGLs = 6-7]	Angiectasis	Mild
	[Lymphoma Malignant TGLs = 7-14]	Lymphoma Malignant	
		Lymphoma Malignant	
* Lymph Node, Mandibular		Lymphoma Malignant	
* Lymph Node, Mediastinal		Lymphoma Malignant	
* Nose	Olfactory Epi	Accumulation, Hyaline Droplet	Minimal
		Inflammation	Suppurative, Minimal
* Salivary Glands		Lymphoma Malignant	
* Spleen		Hematopoietic Cell Proliferation	Minimal

* PROTOCOL REQUIRED TISSUE

Experiment Number: 10472 - 04
Test Type: CHRONIC
Route: RESPIRATORY EXPOSURE WHOLE BODY
Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
p-Chloro-a,a,a-trifluorotoluene
CAS Number: 98-56-6

Date Report Requested: 03/25/2016
Time Report Requested: 09:19:23
First Dose M/F: 01/31/11 / 01/31/11
Lab: BNW

ANIMAL ID: 324

TRT#: 4

SEX: Female

DAY ON TEST: 659

DOSE: 100 ppm

DISP: Moribund Sacrifice

HISTO: 63384

ORGAN AND ACCOUNTABLE SITE STATUS

- * Thymus
- * Urinary Bladder
- * Uterus

Lymphoma Malignant
Lymphoma Malignant
Lymphoma Malignant
Angiectasis
Hyperplasia

Minimal
Cystic, Moderate

Endometrium

[Hyperplasia TGLs = 5-10]

PRIMARY CAUSE OF DEATH - Lung Hemorrhage

Experiment Number: 10472 - 04
Test Type: CHRONIC
Route: RESPIRATORY EXPOSURE WHOLE BODY
Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
p-Chloro-a,a,a-trifluorotoluene
CAS Number: 98-56-6

Date Report Requested: 03/25/2016
Time Report Requested: 09:19:23
First Dose M/F: 01/31/11 / 01/31/11
Lab: BNW

ANIMAL ID: 325

TRT#: 4

SEX: Female

DAY ON TEST: 732

DOSE: 100 ppm

DISP: Terminal Sacrifice

HISTO: 63385

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	Blood Vessel	* Bone	* Bone Marrow
* Brain	* Clitoral Gland	* Esophagus	* Eye
* Gallbladder	* Harderian Gland	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Kidney	* Larynx	* Lymph Node, Bronchial
* Lymph Node, Mandibular	* Lymph Node, Mediastinal	* Lymph Node, Mesenteric	* Mammary Gland
* Ovary	* Pancreas	* Salivary Glands	* Skin
* Stomach, Forestomach	* Stomach, Glandular	* Thymus	* Thyroid Gland
* Trachea	* Urinary Bladder		

MISSING

* Parathyroid Gland

OBSERVATIONS

* Adrenal Cortex		Hypertrophy	Minimal
* Heart		Cardiomyopathy	Minimal
* Liver		Mixed Cell Focus	
* Lung	Peribronchiolr Alv/Bron Epith	Fibrosis	Minimal
		Hyperplasia	Mild
* Nose		Ulcer	Minimal
* Pituitary Gland	Pars Distalis	Hyperplasia	Mild
	[Hyperplasia TGLs = 1-10]		
* Spleen	Lymph Follic	Hyperplasia	Moderate
* Uterus	Endometrium	Hyperplasia	Cystic, Minimal

Experiment Number: 10472 - 04
 Test Type: CHRONIC
 Route: RESPIRATORY EXPOSURE WHOLE BODY
 Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 p-Chloro-a,a,a-trifluorotoluene
 CAS Number: 98-56-6

Date Report Requested: 03/25/2016
 Time Report Requested: 09:19:23
 First Dose M/F: 01/31/11 / 01/31/11
 Lab: BNW

ANIMAL ID: 326

TRT#: 4

SEX: Female

DAY ON TEST: 732

DOSE: 100 ppm

DISP: Terminal Sacrifice

HISTO: 63386

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	Blood Vessel	* Bone Marrow	* Brain
* Clitoral Gland	* Esophagus	* Eye	* Gallbladder
* Harderian Gland	* Heart	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Kidney	* Larynx	* Lymph Node, Bronchial
* Lymph Node, Mandibular	* Lymph Node, Mediastinal	* Lymph Node, Mesenteric	* Mammary Gland
* Pancreas	* Parathyroid Gland	* Pituitary Gland	* Salivary Glands
* Skin	* Stomach, Forestomach	* Stomach, Glandular	* Thymus
* Thyroid Gland	* Trachea	* Urinary Bladder	

OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Mild
* Bone		Fibro-Osseous Lesion	Minimal
* Liver		Angiectasis	Minimal
	[Eosinophilic Focus TGLs = 1-7+6]	Eosinophilic Focus	
* Lung	Peribronchiolr	Fibrosis	Minimal
	Alv/Bron Epith	Hyperplasia	Mild
* Nose	Olfactory Epi	Accumulation, Hyaline Droplet	Minimal
* Ovary		Cyst	Minimal
* Spleen		Hematopoietic Cell Proliferation	Minimal
* Uterus	Endometrium	Hyperplasia	Cystic, Mild

* PROTOCOL REQUIRED TISSUE

Experiment Number: 10472 - 04
 Test Type: CHRONIC
 Route: RESPIRATORY EXPOSURE WHOLE BODY
 Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 p-Chloro-a,a,a-trifluorotoluene
 CAS Number: 98-56-6

Date Report Requested: 03/25/2016
 Time Report Requested: 09:19:23
 First Dose M/F: 01/31/11 / 01/31/11
 Lab: BNW

ANIMAL ID: 327

TRT#: 4

SEX: Female

DAY ON TEST: 703

DOSE: 100 ppm

DISP: Moribund Sacrifice

HISTO: 63387

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Blood Vessel	* Bone Marrow	* Clitoral Gland	* Esophagus
* Eye	* Harderian Gland	* Heart	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Kidney	* Larynx
* Lymph Node, Bronchial	* Lymph Node, Mandibular	* Lymph Node, Mediastinal	* Lymph Node, Mesenteric
* Mammary Gland	* Ovary	* Pancreas	* Pituitary Gland
* Salivary Glands	* Skin	* Stomach, Glandular	* Thymus
* Thyroid Gland	* Trachea	* Urinary Bladder	

MISSING

* Gallbladder	* Parathyroid Gland
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OBSERVATIONS

* Adrenal Cortex		Hypertrophy	Minimal
* Adrenal Medulla		Hyperplasia	Minimal
* Bone	Vertebra	Osteosarcoma	
	[Osteosarcoma TGLs = 4-16]		
* Brain		Compression	Mild
	[Plasma Cell Tumor Malignant TGLs = 3-1+2]	Plasma Cell Tumor Malignant	
* Liver		Hepatocellular Adenoma	
	[Hepatocellular Adenoma TGLs = 1-14]		
* Lung	Peribronchiolr	Fibrosis	Minimal
	Alv/Bron Epith	Hyperplasia	Mild
		Osteosarcoma	Metastatic (Bone)
Mesentery	Fat	Necrosis	Mild
	[Necrosis TGLs = 2-7]		
* Nose	Respirat Epith	Accumulation, Hyaline Droplet	Minimal
* Spleen	Lymph Follic	Hyperplasia	Mild
* Stomach, Forestomach		Squamous Cell Papilloma	
	[Squamous Cell Papilloma TGLs = 5-10]		
* Uterus	Endometrium	Hyperplasia	Cystic, Minimal

* PROTOCOL REQUIRED TISSUE

Experiment Number: 10472 - 04
Test Type: CHRONIC
Route: RESPIRATORY EXPOSURE WHOLE BODY
Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

p-Chloro-a,a,a-trifluorotoluene

CAS Number: 98-56-6

Date Report Requested: 03/25/2016

Time Report Requested: 09:19:23

First Dose M/F: 01/31/11 / 01/31/11

Lab: BNW

ANIMAL ID: 327

TRT#: 4

SEX: Female

DAY ON TEST: 703

DOSE: 100 ppm

DISP: Moribund Sacrifice

HISTO: 63387

ORGAN AND ACCOUNTABLE SITE STATUS

PRIMARY CAUSE OF DEATH

- Brain Plasma Cell Tumor Malignant

Experiment Number: 10472 - 04
Test Type: CHRONIC
Route: RESPIRATORY EXPOSURE WHOLE BODY
Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 p-Chloro-a,a,a-trifluorotoluene
CAS Number: 98-56-6

Date Report Requested: 03/25/2016
Time Report Requested: 09:19:23
First Dose M/F: 01/31/11 / 01/31/11
Lab: BNW

ANIMAL ID: 328

TRT#: 4

SEX: Female

DAY ON TEST: 732

DOSE: 100 ppm

DISP: Terminal Sacrifice

HISTO: 63388

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	Blood Vessel	* Bone	* Bone Marrow
* Brain	* Esophagus	* Eye	* Gallbladder
* Harderian Gland	* Heart	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Larynx	* Lymph Node, Bronchial	* Lymph Node, Mandibular
* Lymph Node, Mediastinal	* Lymph Node, Mesenteric	* Mammary Gland	* Nose
* Pancreas	* Pituitary Gland	* Salivary Glands	* Skin
* Stomach, Forestomach	* Stomach, Glandular	* Thymus	* Thyroid Gland
* Trachea	* Urinary Bladder		

MISSING

* Clitoral Gland	* Parathyroid Gland
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OBSERVATIONS

* Adrenal Cortex		Hypertrophy	Minimal
* Kidney		Infarct	Minimal
* Liver		Basophilic Focus	
		Eosinophilic Focus	
	[Eosinophilic Focus TGLs = 1-6]		
* Lung	Peribronchiolr	Fibrosis	Minimal
	Alv/Bron Epith	Hyperplasia	Mild
Mesentery	Fat	Necrosis	Mild
	[Necrosis TGLs = 2-7]		
* Ovary		Cyst	Moderate
	[Cyst TGLs = 3-9]		
* Spleen		Hematopoietic Cell Proliferation	Minimal
* Uterus	Endometrium	Hyperplasia	Cystic, Moderate

* PROTOCOL REQUIRED TISSUE

Experiment Number: 10472 - 04
 Test Type: CHRONIC
 Route: RESPIRATORY EXPOSURE WHOLE BODY
 Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 p-Chloro-a,a,a-trifluorotoluene
 CAS Number: 98-56-6

Date Report Requested: 03/25/2016
 Time Report Requested: 09:19:23
 First Dose M/F: 01/31/11 / 01/31/11
 Lab: BNW

ANIMAL ID: 329

TRT#: 4

SEX: Female

DAY ON TEST: 732

DOSE: 100 ppm

DISP: Terminal Sacrifice

HISTO: 63389

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	Blood Vessel	* Bone Marrow	* Brain
* Clitoral Gland	* Esophagus	* Eye	* Gallbladder
* Harderian Gland	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Larynx	* Lymph Node, Bronchial	* Lymph Node, Mediastinal	* Lymph Node, Mesenteric
* Mammary Gland	* Ovary	* Pancreas	* Parathyroid Gland
* Pituitary Gland	* Salivary Glands	* Skin	* Stomach, Glandular
* Thymus	* Thyroid Gland	* Trachea	* Urinary Bladder

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Adrenal Medulla		Hyperplasia	Minimal
* Bone		Fibro-Osseous Lesion	Mild
* Heart		Cardiomyopathy	Minimal
* Kidney		Nephropathy	Minimal
* Liver		Hepatocellular Carcinoma	
	[Hepatocellular Carcinoma TGLs = 1-14]		
* Lung	Peribronchiolr	Fibrosis	Minimal
		Hepatocellular Carcinoma	Metastatic (Liver)
	Alv/Bron Epith	Hyperplasia	Moderate
* Nose	Respirat Epith	Atrophy	Minimal
* Spleen		Hematopoietic Cell Proliferation	Mild
* Stomach, Forestomach		Inflammation	Minimal
* Uterus	Endometrium	Hyperplasia	Cystic, Minimal

Experiment Number: 10472 - 04
 Test Type: CHRONIC
 Route: RESPIRATORY EXPOSURE WHOLE BODY
 Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 p-Chloro-a,a,a-trifluorotoluene
 CAS Number: 98-56-6

Date Report Requested: 03/25/2016
 Time Report Requested: 09:19:23
 First Dose M/F: 01/31/11 / 01/31/11
 Lab: BNW

ANIMAL ID: 330

TRT#: 4

SEX: Female

DAY ON TEST: 732

DOSE: 100 ppm

DISP: Terminal Sacrifice

HISTO: 63390

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	Blood Vessel	* Bone
* Bone Marrow	* Brain	* Clitoral Gland	* Esophagus
* Eye	* Gallbladder	* Harderian Gland	* Heart
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Kidney
* Larynx	* Lymph Node, Bronchial	* Lymph Node, Mediastinal	* Lymph Node, Mesenteric
* Mammary Gland	* Nose	* Ovary	* Pancreas
* Parathyroid Gland	* Pituitary Gland	* Salivary Glands	* Skin
* Thyroid Gland	* Trachea	* Urinary Bladder	

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Liver		Hepatocellular Adenoma Mixed Cell Focus	
	[Hepatocellular Adenoma TGLs = 1-14]		
* Lung	Peribronchiolr Alv/Bron Epith	Fibrosis Hyperplasia	Minimal Moderate
Mesentery	Fat	Necrosis	Mild
	[Necrosis TGLs = 3-7]		
* Spleen	Lymph Follic	Hyperplasia	Mild
* Stomach, Forestomach		Inflammation	Minimal
* Stomach, Glandular		Inflammation	Minimal
* Thymus		Ectopic Parathyroid Gland Lymphoma Malignant	
* Uterus	Endometrium	Hyperplasia	Cystic, Moderate
	[Hyperplasia TGLs = 2-10]		

Experiment Number: 10472 - 04
 Test Type: CHRONIC
 Route: RESPIRATORY EXPOSURE WHOLE BODY
 Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 p-Chloro-a,a,a-trifluorotoluene
 CAS Number: 98-56-6

Date Report Requested: 03/25/2016
 Time Report Requested: 09:19:23
 First Dose M/F: 01/31/11 / 01/31/11
 Lab: BNW

ANIMAL ID: 331

TRT#: 4

SEX: Female

DAY ON TEST: 733

DOSE: 100 ppm

DISP: Terminal Sacrifice

HISTO: 63391

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	Blood Vessel	* Bone Marrow
* Brain	* Clitoral Gland	* Esophagus	* Eye
* Gallbladder	* Harderian Gland	* Heart	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Larynx	* Lymph Node, Mediastinal
* Lymph Node, Mesenteric	* Mammary Gland	* Ovary	* Pancreas
* Pituitary Gland	* Salivary Glands	* Skin	* Spleen
* Stomach, Forestomach	* Stomach, Glandular	* Thyroid Gland	* Trachea
* Urinary Bladder			

MISSING

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

* Bone		Fibro-Osseous Lesion	Minimal
* Kidney		Nephropathy	Minimal
* Liver		Hepatocellular Adenoma	Multiple
	Bile Duct	Hyperplasia	Minimal
	[Hepatocellular Adenoma TGLs = 1,2,5-7+14+15]		
* Lung		Alveolar/Bronchiolar Carcinoma	Multiple
	Peribronchiolr	Fibrosis	Minimal
	Alv/Bron Epith	Hyperplasia	Mild
	[Alveolar/Bronchiolar Carcinoma TGLs = 3,4-5]		
* Nose	Respirat Epith	Accumulation, Hyaline Droplet	Minimal
	Respirat Epith	Metaplasia	Squamous, Minimal
* Thymus		Atrophy	Mild
* Uterus	Endometrium	Hyperplasia	Cystic, Moderate

* PROTOCOL REQUIRED TISSUE

Experiment Number: 10472 - 04
 Test Type: CHRONIC
 Route: RESPIRATORY EXPOSURE WHOLE BODY
 Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 p-Chloro-a,a,a-trifluorotoluene
 CAS Number: 98-56-6

Date Report Requested: 03/25/2016
 Time Report Requested: 09:19:23
 First Dose M/F: 01/31/11 / 01/31/11
 Lab: BNW

ANIMAL ID: 332

TRT#: 4

SEX: Female

DAY ON TEST: 690

DOSE: 100 ppm

DISP: Natural Death

HISTO: 63392

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Brain	* Clitoral Gland	* Esophagus	* Eye
* Gallbladder	* Harderian Gland	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Larynx	* Lymph Node, Bronchial	* Lymph Node, Mandibular
* Lymph Node, Mediastinal	* Lymph Node, Mesenteric	* Mammary Gland	* Ovary
* Pancreas	* Parathyroid Gland	* Pituitary Gland	* Salivary Glands
* Skin	* Stomach, Glandular	* Thymus	* Thyroid Gland
* Trachea	* Urinary Bladder		

OBSERVATIONS

Blood Vessel		Inflammation	Minimal
Note: Involving blood vessels of the lung			
* Heart		Cardiomyopathy	Minimal
* Kidney		Nephropathy	Mild
* Liver		Hepatocellular Carcinoma	
	[Hepatocellular Carcinoma TGLs = 1-14]		
* Lung	Peribronchiolr	Fibrosis	Minimal
		Hepatocellular Carcinoma	Metastatic (Liver)
	Alv/Bron Epith	Hyperplasia	Moderate
		Hyperplasia	Lymphoid, Mild
	Alveolus	Infiltration Cellular	Histiocyte, Mild
* Nose	Respirat Epith	Accumulation, Hyaline Droplet	Minimal
	Olfactory Epi	Accumulation, Hyaline Droplet	Minimal
* Spleen		Hematopoietic Cell Proliferation	Mild
* Stomach, Forestomach	Epithelium	Hyperplasia	Minimal
* Uterus	Endometrium	Hyperplasia	Cystic, Mild

PRIMARY CAUSE OF DEATH - Liver Hepatocellular Carcinoma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 10472 - 04
 Test Type: CHRONIC
 Route: RESPIRATORY EXPOSURE WHOLE BODY
 Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 p-Chloro-a,a,a-trifluorotoluene
 CAS Number: 98-56-6

Date Report Requested: 03/25/2016
 Time Report Requested: 09:19:23
 First Dose M/F: 01/31/11 / 01/31/11
 Lab: BNW

ANIMAL ID: 333

TRT#: 4

SEX: Female

DAY ON TEST: 578

DOSE: 100 ppm

DISP: Natural Death

HISTO: 63393

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	Blood Vessel	* Bone
* Bone Marrow	* Brain	* Clitoral Gland	* Esophagus
* Eye	* Gallbladder	* Harderian Gland	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Larynx	* Lymph Node, Bronchial
* Lymph Node, Mandibular	* Lymph Node, Mediastinal	* Lymph Node, Mesenteric	* Mammary Gland
* Nose	* Ovary	* Pancreas	* Parathyroid Gland
* Pituitary Gland	* Salivary Glands	* Spleen	* Stomach, Forestomach
* Stomach, Glandular	* Thyroid Gland	* Trachea	* Urinary Bladder

OBSERVATIONS

* Heart		Cardiomyopathy	Minimal
* Kidney		Nephropathy	Minimal
* Liver		Hepatocellular Carcinoma	Multiple
	Centrilobular, Hepatocyte	Hypertrophy	Minimal
	[Hepatocellular Carcinoma TGLs = 1,2-6+14]		
* Lung	Peribronchiolr	Fibrosis	Minimal
	Alv/Bron Epith	Hyperplasia	Mild
* Skin		Dysplasia	Mild
	Note: Developmental malformation composed of mammary gland, salavary gland and skeletal muscle		
	[Dysplasia TGLs = 3-7]		
* Thymus		Ectopic Parathyroid Gland	
* Uterus	Endometrium	Hyperplasia	Cystic, Minimal

PRIMARY CAUSE OF DEATH - Liver Hepatocellular Carcinoma

Experiment Number: 10472 - 04
 Test Type: CHRONIC
 Route: RESPIRATORY EXPOSURE WHOLE BODY
 Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 p-Chloro-a,a,a-trifluorotoluene
 CAS Number: 98-56-6

Date Report Requested: 03/25/2016
 Time Report Requested: 09:19:23
 First Dose M/F: 01/31/11 / 01/31/11
 Lab: BNW

ANIMAL ID: 334

TRT#: 4

SEX: Female

DAY ON TEST: 732

DOSE: 100 ppm

DISP: Terminal Sacrifice

HISTO: 63394

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	Blood Vessel	* Bone Marrow
* Brain	* Clitoral Gland	* Esophagus	* Eye
* Gallbladder	* Heart	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Kidney	* Larynx	* Lymph Node, Bronchial
* Lymph Node, Mandibular	* Lymph Node, Mediastinal	* Lymph Node, Mesenteric	* Mammary Gland
* Ovary	* Pancreas	* Pituitary Gland	* Salivary Glands
* Skin	* Stomach, Glandular	* Thymus	* Thyroid Gland
* Trachea	* Urinary Bladder		

MISSING

* Parathyroid Gland

OBSERVATIONS

* Bone		Fibro-Osseous Lesion	Minimal
* Harderian Gland		Adenoma	
	[Adenoma TGLs = 2-12]		
* Liver		Hepatocellular Adenoma	
	[Hepatocellular Adenoma TGLs = 1-7]		
* Lung	Peribronchiolr	Fibrosis	Minimal
	Alv/Bron Epith	Hyperplasia	Moderate
		Thrombosis	Minimal
* Nose	Respirat Epith	Accumulation, Hyaline Droplet	Minimal
		Inflammation	Suppurative, Minimal
* Spleen	Lymph Follic	Hyperplasia	Mild
* Stomach, Forestomach		Squamous Cell Papilloma	
	[Squamous Cell Papilloma TGLs = 3-10]		
* Uterus	Endometrium	Hyperplasia	Cystic, Minimal

* PROTOCOL REQUIRED TISSUE

Experiment Number: 10472 - 04
 Test Type: CHRONIC
 Route: RESPIRATORY EXPOSURE WHOLE BODY
 Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 p-Chloro-a,a,a-trifluorotoluene
 CAS Number: 98-56-6

Date Report Requested: 03/25/2016
 Time Report Requested: 09:19:23
 First Dose M/F: 01/31/11 / 01/31/11
 Lab: BNW

ANIMAL ID: 335

TRT#: 4

SEX: Female

DAY ON TEST: 732

DOSE: 100 ppm

DISP: Terminal Sacrifice

HISTO: 63395

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	Blood Vessel	* Bone	* Bone Marrow
* Brain	* Clitoral Gland	* Esophagus	* Eye
* Gallbladder	* Harderian Gland	* Heart	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Kidney	* Lymph Node, Mandibular
* Mammary Gland	* Nose	* Ovary	* Pancreas
* Parathyroid Gland	* Pituitary Gland	* Salivary Glands	* Skin
* Stomach, Forestomach	* Stomach, Glandular	* Trachea	* Urinary Bladder

OBSERVATIONS

* Adrenal Cortex		Hypertrophy	Minimal
* Larynx	Squam Epithel	Hyperplasia	Minimal
* Liver		Lymphoma Malignant	
Note: Liver oncogene sample contains lymphoma, malignant			
* Lung	Peribronchiolr Alv/Bron Epith	Fibrosis	Minimal
		Hyperplasia	Moderate
* Lymph Node, Bronchial		Lymphoma Malignant	
* Lymph Node, Mediastinal		Lymphoma Malignant	
* Lymph Node, Mesenteric		Angiectasis	Minimal
		Lymphoma Malignant	
[Angiectasis TGLs = 1-7]			
[Lymphoma Malignant TGLs = 2-8]			
* Spleen		Lymphoma Malignant	
* Thymus		Lymphoma Malignant	
* Thyroid Gland	Follicular Cel	Adenoma	
* Uterus	Endometrium	Hyperplasia	Cystic, Moderate

Experiment Number: 10472 - 04
Test Type: CHRONIC
Route: RESPIRATORY EXPOSURE WHOLE BODY
Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
p-Chloro-a,a,a-trifluorotoluene
CAS Number: 98-56-6

Date Report Requested: 03/25/2016
Time Report Requested: 09:19:23
First Dose M/F: 01/31/11 / 01/31/11
Lab: BNW

ANIMAL ID: 336

TRT#: 4

SEX: Female

DAY ON TEST: 733

DOSE: 100 ppm

DISP: Terminal Sacrifice

HISTO: 63396

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	Blood Vessel	* Bone
* Bone Marrow	* Brain	* Clitoral Gland	* Esophagus
* Eye	* Gallbladder	* Harderian Gland	* Heart
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Kidney
* Larynx	* Liver	* Lymph Node, Bronchial	* Lymph Node, Mandibular
* Lymph Node, Mediastinal	* Lymph Node, Mesenteric	* Mammary Gland	* Ovary
* Pancreas	* Parathyroid Gland	* Salivary Glands	* Skin
* Stomach, Forestomach	* Stomach, Glandular	* Thymus	* Thyroid Gland
* Trachea	* Urinary Bladder		

OBSERVATIONS

* Lung	Peribronchiolr	Fibrosis	Minimal
	Alv/Bron Epith	Hyperplasia	Moderate
* Nose	Respirat Epith	Accumulation, Hyaline Droplet	Minimal
* Pituitary Gland	Pars Intermed	Adenoma	
* Spleen	Lymph Follic	Hyperplasia	Minimal
* Uterus	Endometrium	Hyperplasia	Cystic, Mild

Experiment Number: 10472 - 04
 Test Type: CHRONIC
 Route: RESPIRATORY EXPOSURE WHOLE BODY
 Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 p-Chloro-a,a,a-trifluorotoluene
 CAS Number: 98-56-6

Date Report Requested: 03/25/2016
 Time Report Requested: 09:19:23
 First Dose M/F: 01/31/11 / 01/31/11
 Lab: BNW

ANIMAL ID: 337

TRT#: 4

SEX: Female

DAY ON TEST: 732

DOSE: 100 ppm

DISP: Terminal Sacrifice

HISTO: 63397

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	Blood Vessel	* Bone
* Bone Marrow	* Brain	* Clitoral Gland	* Esophagus
* Gallbladder	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Larynx	* Lymph Node, Bronchial	* Lymph Node, Mandibular	* Lymph Node, Mediastinal
* Lymph Node, Mesenteric	* Mammary Gland	* Ovary	* Pancreas
* Parathyroid Gland	* Salivary Glands	* Skin	* Stomach, Forestomach
* Stomach, Glandular	* Thymus	* Thyroid Gland	* Trachea
* Urinary Bladder			

OBSERVATIONS

* Eye		Inflammation	Minimal
	[Inflammation TGLs = 3-12]		
* Harderian Gland		Adenoma	
	[Adenoma TGLs = 4-12]		
* Heart		Cardiomyopathy	Minimal
* Kidney		Nephropathy	Mild
* Liver		Hepatocellular Adenoma	Multiple
	[Hepatocellular Adenoma TGLs = 1,2-14+16]		
* Lung	Peribronchiolr	Fibrosis	Minimal
	Alv/Bron Epith	Hyperplasia	Mild
* Nose	Olfactory Epi	Accumulation, Hyaline Droplet	Minimal
* Pituitary Gland	Pars Distalis	Hyperplasia	Minimal
* Spleen		Hematopoietic Cell Proliferation	Minimal
* Uterus	Endometrium	Hyperplasia	Cystic, Mild

Experiment Number: 10472 - 04
 Test Type: CHRONIC
 Route: RESPIRATORY EXPOSURE WHOLE BODY
 Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 p-Chloro-a,a,a-trifluorotoluene
 CAS Number: 98-56-6

Date Report Requested: 03/25/2016
 Time Report Requested: 09:19:23
 First Dose M/F: 01/31/11 / 01/31/11
 Lab: BNW

ANIMAL ID: 338

TRT#: 4

SEX: Female

DAY ON TEST: 732

DOSE: 100 ppm

DISP: Terminal Sacrifice

HISTO: 63398

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	Blood Vessel	* Bone
* Bone Marrow	* Brain	* Clitoral Gland	* Esophagus
* Eye	* Gallbladder	* Harderian Gland	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Larynx	* Lymph Node, Bronchial
* Lymph Node, Mandibular	* Lymph Node, Mediastinal	* Lymph Node, Mesenteric	* Mammary Gland
* Ovary	* Pancreas	* Parathyroid Gland	* Pituitary Gland
* Salivary Glands	* Skin	* Stomach, Forestomach	* Stomach, Glandular
* Thyroid Gland	* Trachea	* Urinary Bladder	

OBSERVATIONS

* Heart		Cardiomyopathy	Minimal
* Kidney		Nephropathy	Minimal
* Liver		Hepatocellular Adenoma	Multiple
		Hepatocellular Carcinoma	Multiple
	[Hepatocellular Adenoma TGLs = 1,4,5,6-6+7+14]		
	[Hepatocellular Carcinoma TGLs = 2,3-15+16]		
* Lung	Peribronchiolr	Fibrosis	Minimal
	Alv/Bron Epith	Hyperplasia	Minimal
Mesentery	Fat	Necrosis	Mild
	[Necrosis TGLs = 7-17]		
* Nose	Respirat Epith	Accumulation, Hyaline Droplet	Mild
* Spleen	Lymph Follic	Hyperplasia	Minimal
* Thymus		Ectopic Parathyroid Gland	
* Uterus	Endometrium	Hyperplasia	Cystic, Moderate

* PROTOCOL REQUIRED TISSUE

Experiment Number: 10472 - 04
Test Type: CHRONIC
Route: RESPIRATORY EXPOSURE WHOLE BODY
Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 p-Chloro-a,a,a-trifluorotoluene
CAS Number: 98-56-6

Date Report Requested: 03/25/2016
Time Report Requested: 09:19:23
First Dose M/F: 01/31/11 / 01/31/11
Lab: BNW

ANIMAL ID: 339

TRT#: 4

SEX: Female

DAY ON TEST: 733

DOSE: 100 ppm

DISP: Terminal Sacrifice

HISTO: 63399

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	Blood Vessel	* Bone
* Bone Marrow	* Brain	* Clitoral Gland	* Esophagus
* Eye	* Gallbladder	* Heart	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Liver	* Lymph Node, Bronchial
* Lymph Node, Mandibular	* Lymph Node, Mediastinal	* Lymph Node, Mesenteric	* Mammary Gland
* Ovary	* Pancreas	* Parathyroid Gland	* Pituitary Gland
* Skin	* Spleen	* Stomach, Forestomach	* Stomach, Glandular
* Thyroid Gland	* Trachea	* Urinary Bladder	

OBSERVATIONS

* Harderian Gland		Adenoma	
* Kidney		Nephropathy	Minimal
* Larynx	Squam Epithel	Inflammation	Minimal
* Lung	Peribronchiolr	Fibrosis	Minimal
	Alv/Bron Epith	Hyperplasia	Mild
* Nose	Respirat Epith	Accumulation, Hyaline Droplet	Mild
* Salivary Glands	Duct	Hyperplasia	Minimal
* Thymus		Atrophy	Mild
* Uterus	Endometrium	Hyperplasia	Cystic, Mild

Experiment Number: 10472 - 04
 Test Type: CHRONIC
 Route: RESPIRATORY EXPOSURE WHOLE BODY
 Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 p-Chloro-a,a,a-trifluorotoluene
 CAS Number: 98-56-6

Date Report Requested: 03/25/2016
 Time Report Requested: 09:19:23
 First Dose M/F: 01/31/11 / 01/31/11
 Lab: BNW

ANIMAL ID: 340

TRT#: 4

SEX: Female

DAY ON TEST: 611

DOSE: 100 ppm

DISP: Moribund Sacrifice

HISTO: 63400

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	Blood Vessel	* Bone Marrow	* Brain
* Clitoral Gland	* Esophagus	* Eye	* Gallbladder
* Harderian Gland	* Heart	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Kidney	* Larynx	* Lymph Node, Bronchial
* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Mammary Gland	* Ovary
* Pancreas	* Pituitary Gland	* Salivary Glands	* Stomach, Forestomach
* Stomach, Glandular	* Thymus	* Thyroid Gland	* Trachea
* Urinary Bladder			

MISSING

* Lymph Node, Mediastinal	* Parathyroid Gland
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OBSERVATIONS

* Adrenal Cortex		Hypertrophy	Minimal
* Bone		Fibro-Osseous Lesion	Mild
	[Fibro-Osseous Lesion TGLs = 2-11]		
* Liver		Mixed Cell Focus	
* Lung	Peribronchiolr Alv/Bron Epith	Fibrosis	Minimal
		Hyperplasia	Moderate
* Nose		Hemorrhage	Minimal
		Inflammation	Suppurative, Mild
* Skin		Inflammation	Mild
	[Inflammation TGLs = 1-14]		
* Spleen		Hematopoietic Cell Proliferation	Minimal
* Uterus	Endometrium	Hyperplasia	Cystic, Moderate

PRIMARY CAUSE OF DEATH - Skin Inflammation

* PROTOCOL REQUIRED TISSUE

Experiment Number: 10472 - 04
Test Type: CHRONIC
Route: RESPIRATORY EXPOSURE WHOLE BODY
Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
p-Chloro-a,a,a-trifluorotoluene
CAS Number: 98-56-6

Date Report Requested: 03/25/2016
Time Report Requested: 09:19:23
First Dose M/F: 01/31/11 / 01/31/11
Lab: BNW

ANIMAL ID: 341

TRT#: 4

SEX: Female

DAY ON TEST: 733

DOSE: 100 ppm

DISP: Terminal Sacrifice

HISTO: 63401

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	Blood Vessel	* Bone
* Bone Marrow	* Brain	* Esophagus	* Eye
* Gallbladder	* Harderian Gland	* Heart	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Kidney	* Larynx
* Liver	* Lymph Node, Bronchial	* Lymph Node, Mandibular	* Lymph Node, Mediastinal
* Lymph Node, Mesenteric	* Mammary Gland	* Nose	* Ovary
* Pancreas	* Pituitary Gland	* Salivary Glands	* Skin
* Stomach, Forestomach	* Stomach, Glandular	* Thymus	* Thyroid Gland
* Trachea	* Urinary Bladder		

MISSING

* Clitoral Gland	* Parathyroid Gland
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OBSERVATIONS

* Lung	Peribronchiolr	Fibrosis	Minimal
	Alv/Bron Epith	Hyperplasia	Minimal
* Spleen	Lymph Follic	Hyperplasia	Moderate
* Uterus	Endometrium	Hyperplasia	Cystic, Minimal

Experiment Number: 10472 - 04
 Test Type: CHRONIC
 Route: RESPIRATORY EXPOSURE WHOLE BODY
 Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 p-Chloro-a,a,a-trifluorotoluene
 CAS Number: 98-56-6

Date Report Requested: 03/25/2016
 Time Report Requested: 09:19:23
 First Dose M/F: 01/31/11 / 01/31/11
 Lab: BNW

ANIMAL ID: 342

TRT#: 4

SEX: Female

DAY ON TEST: 704

DOSE: 100 ppm

DISP: Moribund Sacrifice

HISTO: 63402

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	Blood Vessel	* Brain	* Clitoral Gland
* Esophagus	* Eye	* Gallbladder	* Harderian Gland
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Larynx
* Lymph Node, Bronchial	* Lymph Node, Mandibular	* Lymph Node, Mediastinal	* Lymph Node, Mesenteric
* Mammary Gland	* Ovary	* Pancreas	* Pituitary Gland
* Salivary Glands	* Skin	* Stomach, Forestomach	* Stomach, Glandular
* Thyroid Gland	* Trachea	* Urinary Bladder	* Uterus

MISSING

* Parathyroid Gland

OBSERVATIONS

* Adrenal Cortex		Hypertrophy	Minimal
* Bone		Fibro-Osseous Lesion	Mild
* Bone Marrow		Hyperplasia	Minimal
* Heart		Cardiomyopathy	Mild
		Necrosis	Minimal
		Thrombosis	Marked
	[Thrombosis TGLs = 3-13]		
* Kidney		Nephropathy	Mild
* Liver		Basophilic Focus	
		Hepatocellular Adenoma	
		Hepatocellular Carcinoma	
	[Basophilic Focus TGLs = 2-6]		
	[Hepatocellular Adenoma TGLs = 5-16]		
	[Hepatocellular Carcinoma TGLs = 1-6+14]		
* Lung	Peribronchiolr	Fibrosis	Minimal
	Alv/Bron Epith	Hyperplasia	Marked
	Alveolar Epith	Hyperplasia	Mild
	Alveolus	Infiltration Cellular	Histiocyte, Marked
		Inflammation	Minimal

* PROTOCOL REQUIRED TISSUE

Experiment Number: 10472 - 04
Test Type: CHRONIC
Route: RESPIRATORY EXPOSURE WHOLE BODY
Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
p-Chloro-a,a,a-trifluorotoluene
CAS Number: 98-56-6

Date Report Requested: 03/25/2016
Time Report Requested: 09:19:23
First Dose M/F: 01/31/11 / 01/31/11
Lab: BNW

ANIMAL ID: 342

TRT#: 4

SEX: Female

DAY ON TEST: 704

DOSE: 100 ppm

DISP: Moribund Sacrifice

HISTO: 63402

ORGAN AND ACCOUNTABLE SITE STATUS

Thrombosis

Minimal

[Infiltration Cellular TGLs = 4-5]

Accumulation, Hyaline Droplet

Minimal

* Nose Olfactory Epi

Hematopoietic Cell Proliferation

Minimal

* Spleen

Atrophy

Minimal

* Thymus

PRIMARY CAUSE OF DEATH

- Heart Thrombosis

Experiment Number: 10472 - 04
 Test Type: CHRONIC
 Route: RESPIRATORY EXPOSURE WHOLE BODY
 Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 p-Chloro-a,a,a-trifluorotoluene
 CAS Number: 98-56-6

Date Report Requested: 03/25/2016
 Time Report Requested: 09:19:23
 First Dose M/F: 01/31/11 / 01/31/11
 Lab: BNW

ANIMAL ID: 343

TRT#: 4

SEX: Female

DAY ON TEST: 654

DOSE: 100 ppm

DISP: Moribund Sacrifice

HISTO: 63403

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	Blood Vessel	* Bone
* Bone Marrow	* Brain	* Clitoral Gland	* Esophagus
* Eye	* Gallbladder	* Harderian Gland	* Heart
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Kidney
* Larynx	* Liver	* Lymph Node, Bronchial	* Lymph Node, Mediastinal
* Lymph Node, Mesenteric	* Parathyroid Gland	* Salivary Glands	* Spleen
* Stomach, Forestomach	* Stomach, Glandular	* Thyroid Gland	* Trachea
* Urinary Bladder			

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Lung	Peribronchiolr Alv/Bron Epith	Fibrosis Hyperplasia Hyperplasia	Minimal Mild Mild
* Mammary Gland			
* Nose	Respirat Epith	Accumulation, Hyaline Droplet	Minimal
* Ovary		Cyst	Mild
	[Cyst TGLs = 2-9]		
* Pancreas	Acinus	Hypertrophy	Minimal
* Pituitary Gland	Pars Distalis	Hyperplasia	Minimal
* Skin	Subcut Tiss	Schwannoma Malignant	
	[Schwannoma Malignant TGLs = 1-14]		
* Thymus		Atrophy	Mild
* Uterus	Endometrium	Hyperplasia	Cystic, Minimal

PRIMARY CAUSE OF DEATH - Skin Subcut Tiss Schwannoma Malignant

Experiment Number: 10472 - 04
 Test Type: CHRONIC
 Route: RESPIRATORY EXPOSURE WHOLE BODY
 Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 p-Chloro-a,a,a-trifluorotoluene
 CAS Number: 98-56-6

Date Report Requested: 03/25/2016
 Time Report Requested: 09:19:23
 First Dose M/F: 01/31/11 / 01/31/11
 Lab: BNW

ANIMAL ID: 344

TRT#: 4

SEX: Female

DAY ON TEST: 733

DOSE: 100 ppm

DISP: Terminal Sacrifice

HISTO: 63404

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	Blood Vessel	* Bone
* Bone Marrow	* Brain	* Clitoral Gland	* Esophagus
* Eye	* Gallbladder	* Heart	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Kidney	* Larynx
* Liver	* Lymph Node, Bronchial	* Lymph Node, Mandibular	* Lymph Node, Mediastinal
* Mammary Gland	* Pancreas	* Parathyroid Gland	* Pituitary Gland
* Salivary Glands	* Skin	* Stomach, Forestomach	* Stomach, Glandular
* Thymus	* Thyroid Gland	* Trachea	* Urinary Bladder

OBSERVATIONS

* Harderian Gland		Adenoma	
	[Adenoma TGLs = 2-12]		
* Lung	Peribronchiolr Alv/Bron Epith	Fibrosis Hyperplasia	Minimal Minimal
* Lymph Node, Mesenteric		Hyperplasia	Lymphoid, Mild
* Nose	Respirat Epith	Accumulation, Hyaline Droplet	Minimal
* Ovary		Hemangioma Thrombosis	Mild
	[Hemangioma TGLs = 1-9]		
* Spleen	Lymph Follic	Hyperplasia	Mild
* Uterus	Endometrium	Hyperplasia	Cystic, Mild

Experiment Number: 10472 - 04
 Test Type: CHRONIC
 Route: RESPIRATORY EXPOSURE WHOLE BODY
 Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 p-Chloro-a,a,a-trifluorotoluene
 CAS Number: 98-56-6

Date Report Requested: 03/25/2016
 Time Report Requested: 09:19:23
 First Dose M/F: 01/31/11 / 01/31/11
 Lab: BNW

ANIMAL ID: 345

TRT#: 4

SEX: Female

DAY ON TEST: 733

DOSE: 100 ppm

DISP: Terminal Sacrifice

HISTO: 63405

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	Blood Vessel	* Bone Marrow
* Brain	* Clitoral Gland	* Esophagus	* Eye
* Gallbladder	* Harderian Gland	* Heart	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Kidney	* Liver
* Lymph Node, Bronchial	* Lymph Node, Mediastinal	* Lymph Node, Mesenteric	* Pancreas
* Parathyroid Gland	* Pituitary Gland	* Salivary Glands	* Skin
* Stomach, Forestomach	* Stomach, Glandular	* Thymus	* Trachea
* Urinary Bladder			

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Bone		Fibro-Osseous Lesion	Minimal
* Larynx	Squam Epithel	Hyperplasia	Minimal
		Inflammation	Suppurative, Minimal
* Lung	Squam Epithel	Inflammation	Minimal
	Peribronchiolr	Fibrosis	Minimal
	Alv/Bron Epith	Hyperplasia	Minimal
* Mammary Gland		Hyperplasia	Minimal
* Nose	Olfactory Epi	Accumulation, Hyaline Droplet	Minimal
	Respirat Epith	Accumulation, Hyaline Droplet	Minimal
* Ovary		Cystadenoma	
	[Cystadenoma TGLs = 1-9]		
* Spleen	Lymph Follic	Hyperplasia	Minimal
* Thyroid Gland	Follicular Cel	Hyperplasia	Mild
	[Hyperplasia TGLs = 2-4]		
* Uterus	Endometrium	Hyperplasia	Cystic, Mild

* PROTOCOL REQUIRED TISSUE

Experiment Number: 10472 - 04
 Test Type: CHRONIC
 Route: RESPIRATORY EXPOSURE WHOLE BODY
 Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 p-Chloro-a,a,a-trifluorotoluene
 CAS Number: 98-56-6

Date Report Requested: 03/25/2016
 Time Report Requested: 09:19:23
 First Dose M/F: 01/31/11 / 01/31/11
 Lab: BNW

ANIMAL ID: 346

TRT#: 4

SEX: Female

DAY ON TEST: 545

DOSE: 100 ppm

DISP: Moribund Sacrifice

HISTO: 63406

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	Blood Vessel	* Bone
* Bone Marrow	* Brain	* Clitoral Gland	* Esophagus
* Eye	* Gallbladder	* Harderian Gland	* Heart
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Kidney	* Larynx
* Lymph Node, Bronchial	* Lymph Node, Mandibular	* Lymph Node, Mediastinal	* Lymph Node, Mesenteric
* Mammary Gland	* Pancreas	* Parathyroid Gland	* Pituitary Gland
* Salivary Glands	* Skin	Spinal Cord	* Spleen
* Stomach, Forestomach	* Stomach, Glandular	* Thyroid Gland	* Trachea
* Urinary Bladder			

OBSERVATIONS

* Islets, Pancreatic		Adenoma	
* Liver	Hepatocyte	Multinucleated	Minimal
	Hepatocyte	Necrosis	Minimal
* Lung	Peribronchiolr	Fibrosis	Minimal
	Alv/Bron Epith	Hyperplasia	Minimal
	Alveolar Epith	Hyperplasia	Moderate
* Nose	Respirat Epith	Accumulation, Hyaline Droplet	Minimal
* Ovary		Teratoma Benign	
	[Teratoma Benign TGLs = 1-14]		
	Peripheral Nerve	Degeneration	Minimal
	Skeletal Muscle	Degeneration	Minimal
* Thymus		Atrophy	Minimal
* Uterus	Endometrium	Hyperplasia	Cystic, Mild

PRIMARY CAUSE OF DEATH - Ovary Teratoma Benign

* PROTOCOL REQUIRED TISSUE

Experiment Number: 10472 - 04
 Test Type: CHRONIC
 Route: RESPIRATORY EXPOSURE WHOLE BODY
 Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 p-Chloro-a,a,a-trifluorotoluene
 CAS Number: 98-56-6

Date Report Requested: 03/25/2016
 Time Report Requested: 09:19:23
 First Dose M/F: 01/31/11 / 01/31/11
 Lab: BNW

ANIMAL ID: 347

TRT#: 4

SEX: Female

DAY ON TEST: 687

DOSE: 100 ppm

DISP: Natural Death

HISTO: 63407

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	Blood Vessel	* Bone
* Bone Marrow	* Clitoral Gland	* Esophagus	* Eye
* Gallbladder	* Harderian Gland	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Kidney	* Liver	* Lymph Node, Bronchial
* Lymph Node, Mandibular	* Lymph Node, Mediastinal	* Lymph Node, Mesenteric	* Mammary Gland
* Nose	* Ovary	* Pancreas	* Parathyroid Gland
* Salivary Glands	* Skin	* Spleen	* Stomach, Forestomach
* Stomach, Glandular	* Thyroid Gland	* Trachea	* Urinary Bladder

OBSERVATIONS

* Brain		Degeneration	Minimal
		Inflammation	Minimal
* Heart		Inflammation	Marked
		Thrombosis	Marked
* Larynx	Squam Epithel	Inflammation	Minimal
* Lung	Peribronchiolr	Fibrosis	Minimal
	Alv/Bron Epith	Hyperplasia	Mild
* Pituitary Gland	Pars Distalis	Hyperplasia	Minimal
* Thymus		Ectopic Parathyroid Gland	
* Uterus	Endometrium	Hyperplasia	Cystic, Minimal

PRIMARY CAUSE OF DEATH - Heart Inflammation

Experiment Number: 10472 - 04
Test Type: CHRONIC
Route: RESPIRATORY EXPOSURE WHOLE BODY
Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
p-Chloro-a,a,a-trifluorotoluene
CAS Number: 98-56-6

Date Report Requested: 03/25/2016
Time Report Requested: 09:19:23
First Dose M/F: 01/31/11 / 01/31/11
Lab: BNW

ANIMAL ID: 348

TRT#: 4

SEX: Female

DAY ON TEST: 732

DOSE: 100 ppm

DISP: Terminal Sacrifice

HISTO: 63408

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	Blood Vessel	* Bone
* Bone Marrow	* Brain	* Clitoral Gland	* Esophagus
* Eye	* Gallbladder	* Harderian Gland	* Heart
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Larynx
* Liver	* Lymph Node, Bronchial	* Lymph Node, Mandibular	* Lymph Node, Mediastinal
* Lymph Node, Mesenteric	* Mammary Gland	* Ovary	* Pancreas
* Parathyroid Gland	* Pituitary Gland	* Salivary Glands	* Skin
* Spleen	* Stomach, Forestomach	* Stomach, Glandular	* Thyroid Gland
* Trachea	* Urinary Bladder		

OBSERVATIONS

* Kidney		Nephropathy	Minimal
* Lung	Peribronchiolr Alv/Bron Epith	Fibrosis Hyperplasia	Minimal Moderate
* Nose	Olfactory Epi Respirat Epith	Accumulation, Hyaline Droplet Accumulation, Hyaline Droplet	Minimal Minimal
* Thymus		Ectopic Parathyroid Gland	
* Uterus	Endometrium	Hyperplasia	Cystic, Mild

Experiment Number: 10472 - 04
 Test Type: CHRONIC
 Route: RESPIRATORY EXPOSURE WHOLE BODY
 Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 p-Chloro-a,a,a-trifluorotoluene
 CAS Number: 98-56-6

Date Report Requested: 03/25/2016
 Time Report Requested: 09:19:23
 First Dose M/F: 01/31/11 / 01/31/11
 Lab: BNW

ANIMAL ID: 349

TRT#: 4

SEX: Female

DAY ON TEST: 733

DOSE: 100 ppm

DISP: Terminal Sacrifice

HISTO: 63409

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	Blood Vessel	* Bone	* Bone Marrow
* Brain	* Clitoral Gland	* Esophagus	* Eye
* Gallbladder	* Harderian Gland	* Heart	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Larynx	* Lymph Node, Bronchial
* Lymph Node, Mandibular	* Lymph Node, Mediastinal	* Lymph Node, Mesenteric	* Mammary Gland
* Nose	* Ovary	* Pancreas	* Salivary Glands
* Skin	* Spleen	* Stomach, Forestomach	* Stomach, Glandular
* Thymus	* Thyroid Gland	* Trachea	* Urinary Bladder

MISSING

* Parathyroid Gland

OBSERVATIONS

* Adrenal Cortex		Vacuolization Cytoplasmic	Minimal
* Kidney		Nephropathy	Minimal
* Liver		Hepatocellular Adenoma	Multiple
	[Hepatocellular Adenoma TGLs = 2,3-6]		
* Lung	Peribronchiolr	Fibrosis	Minimal
	Alv/Bron Epith	Hyperplasia	Minimal
* Pituitary Gland	Pars Distalis	Adenoma	
	[Adenoma TGLs = 1-10]		
* Uterus	Endometrium	Hyperplasia	Cystic, Moderate
	[Hyperplasia TGLs = 4-10]		

Experiment Number: 10472 - 04
 Test Type: CHRONIC
 Route: RESPIRATORY EXPOSURE WHOLE BODY
 Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 p-Chloro-a,a,a-trifluorotoluene
 CAS Number: 98-56-6

Date Report Requested: 03/25/2016
 Time Report Requested: 09:19:23
 First Dose M/F: 01/31/11 / 01/31/11
 Lab: BNW

ANIMAL ID: 350

TRT#: 4

SEX: Female

DAY ON TEST: 733

DOSE: 100 ppm

DISP: Terminal Sacrifice

HISTO: 63410

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Blood Vessel	* Bone	* Bone Marrow	* Brain
* Clitoral Gland	* Esophagus	* Eye	* Gallbladder
* Harderian Gland	* Heart	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Kidney	* Larynx	* Lymph Node, Bronchial
* Lymph Node, Mandibular	* Lymph Node, Mediastinal	* Lymph Node, Mesenteric	* Mammary Gland
* Nose	* Ovary	* Pancreas	* Salivary Glands
* Skin	* Stomach, Forestomach	* Stomach, Glandular	* Thymus
* Thyroid Gland	* Trachea	* Urinary Bladder	

MISSING

* Parathyroid Gland

OBSERVATIONS

* Adrenal Cortex		Hypertrophy	Mild
* Adrenal Medulla		Hyperplasia	Minimal
* Liver		Mixed Cell Focus	
[Mixed Cell Focus TGLs = 3-6]			
* Lung	Peribronchiolr	Fibrosis	Minimal
		Hemorrhage	Minimal
	Alv/Bron Epith	Hyperplasia	Minimal
[Hemorrhage TGLs = 2-5]			
* Pituitary Gland	Pars Distalis	Angiectasis	Minimal
[Angiectasis TGLs = 1-10]			
* Spleen	Lymph Follic	Hyperplasia	Minimal
* Uterus	Endometrium	Hyperplasia	Cystic, Minimal

Experiment Number: 10472 - 04
 Test Type: CHRONIC
 Route: RESPIRATORY EXPOSURE WHOLE BODY
 Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 p-Chloro-a,a,a-trifluorotoluene
 CAS Number: 98-56-6

Date Report Requested: 03/25/2016
 Time Report Requested: 09:19:23
 First Dose M/F: 01/31/11 / 01/31/11
 Lab: BNW

ANIMAL ID: 501

TRT#: 6

SEX: Female

DAY ON TEST: 733

DOSE: 200 ppm

DISP: Terminal Sacrifice

HISTO: 63261

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	Blood Vessel	* Bone	* Bone Marrow
* Brain	* Clitoral Gland	* Esophagus	* Eye
* Gallbladder	* Harderian Gland	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Larynx	* Lymph Node, Bronchial	* Lymph Node, Mandibular	* Lymph Node, Mediastinal
* Lymph Node, Mesenteric	* Mammary Gland	* Pancreas	* Parathyroid Gland
* Salivary Glands	* Skin	* Stomach, Forestomach	* Stomach, Glandular
* Thyroid Gland	* Trachea	* Urinary Bladder	

MISSING

* Islets, Pancreatic

OBSERVATIONS

* Adrenal Medulla		Hyperplasia	Minimal
* Heart		Cardiomyopathy	Minimal
* Kidney		Nephropathy	Minimal
* Liver		Mixed Cell Focus	
	[Mixed Cell Focus TGLs = 1-6]		
* Lung	Peribronchiolr	Fibrosis	Minimal
	Alv/Bron Epith	Hyperplasia	Moderate
	Alveolar Epith	Hyperplasia	Minimal
* Nose	Olfactory Epi	Accumulation, Hyaline Droplet	Minimal
* Ovary		Cyst	Minimal
	[Cyst TGLs = 2-9]		
* Pituitary Gland	Pars Distalis	Hyperplasia	Minimal
* Spleen	Lymph Follic	Hyperplasia	Mild
* Thymus		Ectopic Parathyroid Gland	
* Uterus	Endometrium	Hyperplasia	Cystic, Mild

* PROTOCOL REQUIRED TISSUE

Experiment Number: 10472 - 04
 Test Type: CHRONIC
 Route: RESPIRATORY EXPOSURE WHOLE BODY
 Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 p-Chloro-a,a,a-trifluorotoluene
 CAS Number: 98-56-6

Date Report Requested: 03/25/2016
 Time Report Requested: 09:19:23
 First Dose M/F: 01/31/11 / 01/31/11
 Lab: BNW

ANIMAL ID: 502

TRT#: 6

SEX: Female

DAY ON TEST: 732

DOSE: 200 ppm

DISP: Terminal Sacrifice

HISTO: 63262

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	Blood Vessel	* Bone
* Bone Marrow	* Brain	* Clitoral Gland	* Esophagus
* Eye	* Gallbladder	* Harderian Gland	* Heart
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Larynx
* Lymph Node, Bronchial	* Lymph Node, Mandibular	* Lymph Node, Mediastinal	* Lymph Node, Mesenteric
* Mammary Gland	* Ovary	* Pancreas	* Pituitary Gland
* Salivary Glands	* Skin	* Spleen	* Stomach, Forestomach
* Stomach, Glandular	* Thymus	* Thyroid Gland	* Trachea
* Urinary Bladder			

MISSING

* Parathyroid Gland

OBSERVATIONS

* Kidney		Nephropathy	Minimal
* Liver		Eosinophilic Focus	
		Hepatocellular Adenoma	Multiple
	[Eosinophilic Focus TGLs = 3-7]		
	[Hepatocellular Adenoma TGLs = 1,2-14+15]		
* Lung	Peribronchiolr	Fibrosis	Minimal
	Alv/Bron Epith	Hyperplasia	Moderate
Mesentery	Fat	Necrosis	Minimal
	[Necrosis TGLs = 4-17]		
* Nose	Olfactory Epi	Accumulation, Hyaline Droplet	Minimal
* Uterus	Endometrium	Hyperplasia	Cystic, Mild
	[Hyperplasia TGLs = 5-10]		

Experiment Number: 10472 - 04
 Test Type: CHRONIC
 Route: RESPIRATORY EXPOSURE WHOLE BODY
 Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 p-Chloro-a,a,a-trifluorotoluene
 CAS Number: 98-56-6

Date Report Requested: 03/25/2016
 Time Report Requested: 09:19:23
 First Dose M/F: 01/31/11 / 01/31/11
 Lab: BNW

ANIMAL ID: 503

TRT#: 6

SEX: Female

DAY ON TEST: 732

DOSE: 200 ppm

DISP: Terminal Sacrifice

HISTO: 63263

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- | | | | |
|---------------------------|-----------------------------|--------------------------|----------------------------|
| * Adrenal Medulla | * Bone | * Bone Marrow | * Brain |
| * Clitoral Gland | * Esophagus | * Eye | * Gallbladder |
| * Harderian Gland | * Heart | * Intestine Large, Cecum | * Intestine Large, Colon |
| * Intestine Large, Rectum | * Intestine Small, Duodenum | * Intestine Small, Ileum | * Intestine Small, Jejunum |
| * Islets, Pancreatic | * Larynx | * Lymph Node, Bronchial | * Lymph Node, Mandibular |
| * Lymph Node, Mediastinal | * Mammary Gland | * Nose | * Ovary |
| * Pancreas | * Parathyroid Gland | * Pituitary Gland | * Salivary Glands |
| * Skin | * Spleen | * Stomach, Forestomach | * Stomach, Glandular |
| * Thymus | * Thyroid Gland | * Trachea | * Urinary Bladder |
| * Uterus | | | |

OBSERVATIONS

- | | | | |
|---|--|--------------------------|----------|
| * Adrenal Cortex | | Hypertrophy | Minimal |
| Blood Vessel | | Inflammation | Minimal |
| Note: Inflammation involving blood vessels in the thyroid gland | | | |
| * Kidney | | Nephropathy | Minimal |
| * Liver | | Eosinophilic Focus | |
| | | Hepatocellular Adenoma | Multiple |
| | | Hepatocellular Carcinoma | |
| | [Hepatocellular Adenoma TGLs = 2,3-6] | | |
| | [Hepatocellular Carcinoma TGLs = 1-14] | | |
| * Lung | Peribronchiolr | Fibrosis | Minimal |
| | Alv/Bron Epith | Hyperplasia | Moderate |
| * Lymph Node, Mesenteric | | Angiectasis | Minimal |
| | [Angiectasis TGLs = 4-7] | | |

* PROTOCOL REQUIRED TISSUE

Experiment Number: 10472 - 04
 Test Type: CHRONIC
 Route: RESPIRATORY EXPOSURE WHOLE BODY
 Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 p-Chloro-a,a,a-trifluorotoluene
 CAS Number: 98-56-6

Date Report Requested: 03/25/2016
 Time Report Requested: 09:19:23
 First Dose M/F: 01/31/11 / 01/31/11
 Lab: BNW

ANIMAL ID: 504

TRT#: 6

SEX: Female

DAY ON TEST: 733

DOSE: 200 ppm

DISP: Terminal Sacrifice

HISTO: 63264

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	Blood Vessel	* Bone	* Bone Marrow
* Brain	* Clitoral Gland	* Esophagus	* Eye
* Gallbladder	* Harderian Gland	* Heart	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Islets, Pancreatic	* Kidney	* Larynx	* Lymph Node, Bronchial
* Lymph Node, Mandibular	* Lymph Node, Mediastinal	* Mammary Gland	* Ovary
* Pancreas	* Parathyroid Gland	* Pituitary Gland	* Salivary Glands
* Skin	* Stomach, Forestomach	* Stomach, Glandular	* Thyroid Gland
* Trachea	* Urinary Bladder		

OBSERVATIONS

* Adrenal Medulla		Hyperplasia	Minimal
* Intestine Small, Jejunum		Lymphoma Malignant	
	[Lymphoma Malignant TGLs = 4-14]		
* Liver		Eosinophilic Focus	
	[Eosinophilic Focus TGLs = 1,2-6]		
* Lung	Peribronchiolr	Fibrosis	Minimal
	Alv/Bron Epith	Hyperplasia	Moderate
* Lymph Node, Mesenteric		Lymphoma Malignant	
* Nose	Olfactory Epi	Accumulation, Hyaline Droplet	Minimal
	Respirat Epith	Accumulation, Hyaline Droplet	Minimal
* Spleen		Lymphoma Malignant	
* Thymus		Ectopic Parathyroid Gland	
* Uterus	Endometrium	Hyperplasia	Cystic, Marked
	[Hyperplasia TGLs = 3-10]		

Experiment Number: 10472 - 04
 Test Type: CHRONIC
 Route: RESPIRATORY EXPOSURE WHOLE BODY
 Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 p-Chloro-a,a,a-trifluorotoluene
 CAS Number: 98-56-6

Date Report Requested: 03/25/2016
 Time Report Requested: 09:19:23
 First Dose M/F: 01/31/11 / 01/31/11
 Lab: BNW

ANIMAL ID: 505

TRT#: 6

SEX: Female

DAY ON TEST: 604

DOSE: 200 ppm

DISP: Moribund Sacrifice

HISTO: 63265

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	Blood Vessel	* Bone
* Bone Marrow	* Brain	* Clitoral Gland	* Esophagus
* Gallbladder	* Heart	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Kidney	* Larynx	* Liver
* Lymph Node, Bronchial	* Lymph Node, Mediastinal	* Lymph Node, Mesenteric	* Mammary Gland
* Ovary	* Pancreas	* Parathyroid Gland	* Pituitary Gland
* Salivary Glands	* Skin	* Stomach, Forestomach	* Stomach, Glandular
* Thyroid Gland	* Trachea	* Urinary Bladder	

OBSERVATIONS

* Eye		Adenocarcinoma	Metastatic (Harderian Gland)
		Cataract	Moderate
		Inflammation	Moderate
	[Inflammation TGLs = 1-12]		
* Harderian Gland		Adenocarcinoma	
	[Adenocarcinoma TGLs = 3-12]		
* Lung	Peribronchiolr	Fibrosis	Minimal
	Alv/Bron Epith	Hyperplasia	Mild
* Lymph Node, Mandibular		Hyperplasia	Lymphoid, Mild
* Nose	Respirat Epith	Accumulation, Hyaline Droplet	Minimal
* Spleen		Hematopoietic Cell Proliferation	Moderate
* Thymus		Ectopic Parathyroid Gland	
* Uterus	Endometrium	Hyperplasia	Cystic, Moderate
	[Hyperplasia TGLs = 2-10]		

PRIMARY CAUSE OF DEATH - Harderian Gland Adenocarcinoma

Experiment Number: 10472 - 04
 Test Type: CHRONIC
 Route: RESPIRATORY EXPOSURE WHOLE BODY
 Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 p-Chloro-a,a,a-trifluorotoluene
 CAS Number: 98-56-6

Date Report Requested: 03/25/2016
 Time Report Requested: 09:19:23
 First Dose M/F: 01/31/11 / 01/31/11
 Lab: BNW

ANIMAL ID: 506

TRT#: 6

SEX: Female

DAY ON TEST: 733

DOSE: 200 ppm

DISP: Terminal Sacrifice

HISTO: 63266

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	Blood Vessel	* Bone
* Bone Marrow	* Brain	* Clitoral Gland	* Esophagus
* Eye	* Gallbladder	* Heart	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Larynx	* Lymph Node, Bronchial
* Lymph Node, Mandibular	* Lymph Node, Mediastinal	* Lymph Node, Mesenteric	* Mammary Gland
* Nose	* Ovary	* Pancreas	* Parathyroid Gland
* Salivary Glands	* Skin	* Spleen	* Stomach, Forestomach
* Stomach, Glandular	* Thyroid Gland	* Trachea	* Urinary Bladder

OBSERVATIONS

* Harderian Gland		Adenoma	
* Kidney		Nephropathy	Minimal
* Liver		Hepatocellular Adenoma	
	[Hepatocellular Adenoma TGLs = 1-6]		
* Lung	Peribronchiolr	Fibrosis	Minimal
	Alv/Bron Epith	Hyperplasia	Moderate
* Pituitary Gland	Pars Distalis	Hyperplasia	Minimal
* Thymus		Ectopic Parathyroid Gland	
* Uterus	Endometrium	Hyperplasia	Cystic, Mild

Experiment Number: 10472 - 04
 Test Type: CHRONIC
 Route: RESPIRATORY EXPOSURE WHOLE BODY
 Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 p-Chloro-a,a,a-trifluorotoluene
 CAS Number: 98-56-6

Date Report Requested: 03/25/2016
 Time Report Requested: 09:19:23
 First Dose M/F: 01/31/11 / 01/31/11
 Lab: BNW

ANIMAL ID: 507

TRT#: 6

SEX: Female

DAY ON TEST: 503

DOSE: 200 ppm

DISP: Moribund Sacrifice

HISTO: 63267

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	Blood Vessel	* Bone Marrow
* Brain	* Clitoral Gland	* Esophagus	* Eye
* Gallbladder	* Harderian Gland	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Larynx	* Lymph Node, Bronchial	* Lymph Node, Mandibular
* Lymph Node, Mesenteric	* Mammary Gland	* Ovary	* Pancreas
* Parathyroid Gland	* Pituitary Gland	* Salivary Glands	Skeletal Muscle
* Skin	Spinal Cord	* Spleen	* Stomach, Forestomach
* Stomach, Glandular	* Thyroid Gland	* Trachea	* Urinary Bladder

MISSING

* Lymph Node, Mediastinal

OBSERVATIONS

* Bone		Fibro-Osseous Lesion	Minimal
* Heart		Cardiomyopathy	Minimal
* Kidney		Nephropathy	Marked
	[Nephropathy TGLs = 1-7]		
* Liver	Centrilobular, Hepatocyte	Hypertrophy	Mild
* Lung	Peribronchiolr	Fibrosis	Minimal
	Alv/Bron Epith	Hyperplasia	Mild
		Thrombosis	Minimal
* Nose	Respirat Epith	Accumulation, Hyaline Droplet	Minimal
Peripheral Nerve		Degeneration	Minimal
* Thymus		Atrophy	Mild
		Ectopic Parathyroid Gland	
* Uterus	Endometrium	Hyperplasia	Cystic, Mild

PRIMARY CAUSE OF DEATH - Kidney Nephropathy

* PROTOCOL REQUIRED TISSUE

Experiment Number: 10472 - 04
 Test Type: CHRONIC
 Route: RESPIRATORY EXPOSURE WHOLE BODY
 Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 p-Chloro-a,a,a-trifluorotoluene
 CAS Number: 98-56-6

Date Report Requested: 03/25/2016
 Time Report Requested: 09:19:23
 First Dose M/F: 01/31/11 / 01/31/11
 Lab: BNW

ANIMAL ID: 508

TRT#: 6

SEX: Female

DAY ON TEST: 732

DOSE: 200 ppm

DISP: Terminal Sacrifice

HISTO: 63268

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	Blood Vessel	* Bone
* Bone Marrow	* Brain	* Clitoral Gland	* Esophagus
* Eye	* Gallbladder	* Harderian Gland	* Heart
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Kidney
* Lymph Node, Mandibular	* Lymph Node, Mediastinal	* Mammary Gland	* Nose
* Ovary	* Pancreas	* Pituitary Gland	* Salivary Glands
* Skin	* Stomach, Forestomach	* Stomach, Glandular	* Thyroid Gland
* Trachea	* Urinary Bladder		

MISSING

* Parathyroid Gland

OBSERVATIONS

* Larynx	Squam Epithel	Hyperplasia	Minimal
* Liver		Basophilic Focus	
		Clear Cell Focus	
		Hepatocellular Adenoma	
	[Hepatocellular Adenoma TGLs = 1-7]		
* Lung		Alveolar/Bronchiolar Adenoma	
	Peribronchiolr	Fibrosis	Minimal
	Alv/Bron Epith	Hyperplasia	Moderate
* Lymph Node, Bronchial		Lymphoma Malignant	
* Lymph Node, Mesenteric		Lymphoma Malignant	
* Spleen		Lymphoma Malignant	
	[Lymphoma Malignant TGLs = 3-6]		
* Thymus		Lymphoma Malignant	
* Uterus	Endometrium	Hyperplasia	Cystic, Marked
	[Hyperplasia TGLs = 2-10]		

* PROTOCOL REQUIRED TISSUE

Experiment Number: 10472 - 04
 Test Type: CHRONIC
 Route: RESPIRATORY EXPOSURE WHOLE BODY
 Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 p-Chloro-a,a,a-trifluorotoluene
 CAS Number: 98-56-6

Date Report Requested: 03/25/2016
 Time Report Requested: 09:19:23
 First Dose M/F: 01/31/11 / 01/31/11
 Lab: BNW

ANIMAL ID: 509

TRT#: 6

SEX: Female

DAY ON TEST: 732

DOSE: 200 ppm

DISP: Terminal Sacrifice

HISTO: 63269

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	Blood Vessel	* Bone	* Bone Marrow
* Brain	* Clitoral Gland	* Esophagus	* Eye
* Gallbladder	* Harderian Gland	* Heart	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Kidney	* Larynx
* Lymph Node, Bronchial	* Lymph Node, Mandibular	* Lymph Node, Mediastinal	* Lymph Node, Mesenteric
* Mammary Gland	* Ovary	* Pancreas	* Pituitary Gland
* Salivary Glands	* Skin	* Stomach, Forestomach	* Stomach, Glandular
* Thymus	* Thyroid Gland	* Trachea	* Urinary Bladder

MISSING

* Parathyroid Gland

OBSERVATIONS

* Adrenal Medulla		Hyperplasia	Minimal
* Liver		Clear Cell Focus	
* Lung		Alveolar/Bronchiolar Carcinoma	
	Peribronchiolr	Fibrosis	Minimal
	Alv/Bron Epith	Hyperplasia	Moderate
	[Alveolar/Bronchiolar Carcinoma		
* Nose	TGLs = 1-5]		
	Olfactory Epi	Accumulation, Hyaline Droplet	Minimal
	Respirat Epith	Accumulation, Hyaline Droplet	Minimal
* Spleen	Lymph Follic	Hyperplasia	Mild
* Uterus	Endometrium	Hyperplasia	Cystic, Mild

Experiment Number: 10472 - 04
 Test Type: CHRONIC
 Route: RESPIRATORY EXPOSURE WHOLE BODY
 Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 p-Chloro-a,a,a-trifluorotoluene
 CAS Number: 98-56-6

Date Report Requested: 03/25/2016
 Time Report Requested: 09:19:23
 First Dose M/F: 01/31/11 / 01/31/11
 Lab: BNW

ANIMAL ID: 510

TRT#: 6

SEX: Female

DAY ON TEST: 733

DOSE: 200 ppm

DISP: Terminal Sacrifice

HISTO: 63270

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	Blood Vessel	* Bone	* Bone Marrow
* Brain	* Clitoral Gland	* Esophagus	* Eye
* Harderian Gland	* Heart	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Kidney	* Larynx	* Liver
* Lymph Node, Bronchial	* Lymph Node, Mandibular	* Lymph Node, Mediastinal	* Lymph Node, Mesenteric
* Mammary Gland	* Pancreas	* Parathyroid Gland	* Pituitary Gland
* Salivary Glands	* Skin	* Spleen	* Stomach, Forestomach
* Stomach, Glandular	* Thyroid Gland	* Trachea	* Urinary Bladder

MISSING

* Gallbladder

OBSERVATIONS

* Adrenal Medulla		Hyperplasia	Minimal
* Lung	Peribronchiolr	Fibrosis	Minimal
	Alv/Bron Epith	Hyperplasia	Moderate
* Nose	Olfactory Epi	Accumulation, Hyaline Droplet	Minimal
* Ovary		Luteoma	
	[Luteoma TGLs = 1-9]		
* Thymus		Ectopic Parathyroid Gland	
* Uterus	Endometrium	Hyperplasia	Cystic, Marked
	[Hyperplasia TGLs = 2-10]		

Experiment Number: 10472 - 04
 Test Type: CHRONIC
 Route: RESPIRATORY EXPOSURE WHOLE BODY
 Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 p-Chloro-a,a,a-trifluorotoluene
 CAS Number: 98-56-6

Date Report Requested: 03/25/2016
 Time Report Requested: 09:19:23
 First Dose M/F: 01/31/11 / 01/31/11
 Lab: BNW

ANIMAL ID: 511

TRT#: 6

SEX: Female

DAY ON TEST: 731

DOSE: 200 ppm

DISP: Terminal Sacrifice

HISTO: 63271

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	Blood Vessel	* Bone	* Bone Marrow
* Brain	* Clitoral Gland	* Esophagus	* Eye
* Gallbladder	* Harderian Gland	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Larynx	* Lymph Node, Bronchial	* Lymph Node, Mandibular
* Lymph Node, Mediastinal	* Lymph Node, Mesenteric	* Mammary Gland	* Ovary
* Pancreas	* Parathyroid Gland	* Salivary Glands	* Skin
* Stomach, Forestomach	* Stomach, Glandular	* Thymus	* Thyroid Gland
* Trachea	* Urinary Bladder		

OBSERVATIONS

* Adrenal Medulla		Hyperplasia	Minimal
* Heart		Cardiomyopathy	Minimal
* Kidney		Nephropathy	Minimal
* Liver		Eosinophilic Focus	
	[Eosinophilic Focus TGLs = 1-7]		
* Lung	Peribronchiolr	Fibrosis	Minimal
	Alv/Bron Epith	Hyperplasia	Mild
* Nose	Respirat Epith	Accumulation, Hyaline Droplet	Mild
		Inflammation	Suppurative, Minimal
* Pituitary Gland	Pars Intermed	Adenoma	
	[Adenoma TGLs = 2-10]		
* Spleen	Lymph Follic	Hyperplasia	Minimal
* Uterus	Endometrium	Hyperplasia	Cystic, Moderate

* PROTOCOL REQUIRED TISSUE

Experiment Number: 10472 - 04
 Test Type: CHRONIC
 Route: RESPIRATORY EXPOSURE WHOLE BODY
 Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 p-Chloro-a,a,a-trifluorotoluene
 CAS Number: 98-56-6

Date Report Requested: 03/25/2016
 Time Report Requested: 09:19:23
 First Dose M/F: 01/31/11 / 01/31/11
 Lab: BNW

ANIMAL ID: 512

TRT#: 6

SEX: Female

DAY ON TEST: 576

DOSE: 200 ppm

DISP: Moribund Sacrifice

HISTO: 63272

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- | | | | |
|--------------------------|----------------------------|---------------------------|-----------------------------|
| * Adrenal Cortex | * Adrenal Medulla | Blood Vessel | * Bone |
| * Bone Marrow | * Brain | * Clitoral Gland | * Esophagus |
| * Eye | * Gallbladder | * Harderian Gland | * Heart |
| * Intestine Large, Cecum | * Intestine Large, Colon | * Intestine Large, Rectum | * Intestine Small, Duodenum |
| * Intestine Small, Ileum | * Intestine Small, Jejunum | * Islets, Pancreatic | * Kidney |
| * Larynx | * Lymph Node, Bronchial | * Lymph Node, Mandibular | * Lymph Node, Mediastinal |
| * Lymph Node, Mesenteric | * Mammary Gland | * Pancreas | * Parathyroid Gland |
| * Pituitary Gland | * Salivary Glands | * Skin | * Stomach, Forestomach |
| * Stomach, Glandular | * Thymus | * Thyroid Gland | * Trachea |
| * Urinary Bladder | * Uterus | | |

OBSERVATIONS

- | | | | |
|----------|--|--|-------------------------------|
| * Liver | | Hepatocellular Carcinoma
Inflammation | Minimal |
| | [Hepatocellular Carcinoma TGLs = 3-15] | | |
| * Lung | | Hepatocellular Carcinoma
Hyperplasia | Metastatic (Liver)
Minimal |
| | [Hepatocellular Carcinoma TGLs = 4,5,6,7,8,9,10,11-5+14+15+16] | | |
| * Nose | Alv/Bron Epith
Respirat Epith
Olfactory Epi | Accumulation, Hyaline Droplet
Accumulation, Hyaline Droplet | Minimal
Minimal |
| * Ovary | | Cyst | Mild |
| | [Cyst TGLs = 1-9] | | |
| * Spleen | | Hematopoietic Cell Proliferation | Mild |
| | [Hematopoietic Cell Proliferation TGLs = 2-6] | | |

PRIMARY CAUSE OF DEATH - Liver Hepatocellular Carcinoma

Experiment Number: 10472 - 04
 Test Type: CHRONIC
 Route: RESPIRATORY EXPOSURE WHOLE BODY
 Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 p-Chloro-a,a,a-trifluorotoluene
 CAS Number: 98-56-6

Date Report Requested: 03/25/2016
 Time Report Requested: 09:19:23
 First Dose M/F: 01/31/11 / 01/31/11
 Lab: BNW

ANIMAL ID: 513

TRT#: 6

SEX: Female

DAY ON TEST: 732

DOSE: 200 ppm

DISP: Terminal Sacrifice

HISTO: 63273

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	Blood Vessel	* Bone
* Bone Marrow	* Brain	* Clitoral Gland	* Esophagus
* Eye	* Gallbladder	* Harderian Gland	* Heart
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Larynx
* Lymph Node, Bronchial	* Lymph Node, Mandibular	* Lymph Node, Mediastinal	* Lymph Node, Mesenteric
* Mammary Gland	* Ovary	* Pancreas	* Parathyroid Gland
* Pituitary Gland	* Salivary Glands	* Skin	* Stomach, Forestomach
* Stomach, Glandular	* Thymus	* Thyroid Gland	* Trachea
* Urinary Bladder			

OBSERVATIONS

* Kidney		Nephropathy	Minimal
* Liver		Cyst	Minimal
		Eosinophilic Focus	
		Hepatocellular Adenoma	Multiple
		Mixed Cell Focus	
	[Cyst TGLs = 2-16]		
	[Hepatocellular Adenoma TGLs = 1,3,5-6+7+14]		
	[Mixed Cell Focus TGLs = 4-6]		
* Lung	Peribronchiolr	Fibrosis	Minimal
	Alv/Bron Epith	Hyperplasia	Mild
* Nose	Respirat Epith	Accumulation, Hyaline Droplet	Mild
	Olfactory Epi	Accumulation, Hyaline Droplet	Minimal
* Spleen	Lymph Follic	Hyperplasia	Mild
* Uterus	Endometrium	Hyperplasia	Cystic, Marked
	[Hyperplasia TGLs = 6-10]		

Experiment Number: 10472 - 04
Test Type: CHRONIC
Route: RESPIRATORY EXPOSURE WHOLE BODY
Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 p-Chloro-a,a,a-trifluorotoluene
CAS Number: 98-56-6

Date Report Requested: 03/25/2016
Time Report Requested: 09:19:23
First Dose M/F: 01/31/11 / 01/31/11
Lab: BNW

ANIMAL ID: 514

TRT#: 6

SEX: Female

DAY ON TEST: 732

DOSE: 200 ppm

DISP: Terminal Sacrifice

HISTO: 63274

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	Blood Vessel	* Bone
* Bone Marrow	* Brain	* Clitoral Gland	* Esophagus
* Eye	* Gallbladder	* Harderian Gland	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Kidney	* Lymph Node, Bronchial
* Lymph Node, Mandibular	* Lymph Node, Mediastinal	* Lymph Node, Mesenteric	* Mammary Gland
* Nose	* Pancreas	* Pituitary Gland	* Salivary Glands
* Spleen	* Stomach, Forestomach	* Stomach, Glandular	* Thymus
* Trachea	* Urinary Bladder		

MISSING

* Larynx	* Parathyroid Gland	* Thyroid Gland
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OBSERVATIONS

* Heart		Cardiomyopathy	Minimal
		Inflammation	Minimal
* Liver		Eosinophilic Focus	
	[Eosinophilic Focus TGLs = 1-14]		
* Lung	Peribronchiolr	Fibrosis	Minimal
	Alv/Bron Epith	Hyperplasia	Marked
* Ovary		Cyst	Minimal
	[Cyst TGLs = 2-9]		
* Skin		Inflammation	Minimal
* Uterus	Endometrium	Hyperplasia	Cystic, Minimal

Experiment Number: 10472 - 04
 Test Type: CHRONIC
 Route: RESPIRATORY EXPOSURE WHOLE BODY
 Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 p-Chloro-a,a,a-trifluorotoluene
 CAS Number: 98-56-6

Date Report Requested: 03/25/2016
 Time Report Requested: 09:19:23
 First Dose M/F: 01/31/11 / 01/31/11
 Lab: BNW

ANIMAL ID: 515

TRT#: 6

SEX: Female

DAY ON TEST: 732

DOSE: 200 ppm

DISP: Terminal Sacrifice

HISTO: 63275

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- | | | | |
|--------------------------|----------------------------|---------------------------|-----------------------------|
| * Adrenal Cortex | * Adrenal Medulla | Blood Vessel | * Bone |
| * Bone Marrow | * Brain | * Clitoral Gland | * Esophagus |
| * Eye | * Gallbladder | * Harderian Gland | * Heart |
| * Intestine Large, Cecum | * Intestine Large, Colon | * Intestine Large, Rectum | * Intestine Small, Duodenum |
| * Intestine Small, Ileum | * Intestine Small, Jejunum | * Islets, Pancreatic | * Larynx |
| * Lymph Node, Bronchial | * Lymph Node, Mandibular | * Lymph Node, Mediastinal | * Lymph Node, Mesenteric |
| * Nose | * Ovary | * Pancreas | * Parathyroid Gland |
| * Pituitary Gland | * Salivary Glands | * Skin | * Spleen |
| * Stomach, Forestomach | * Stomach, Glandular | * Thymus | * Thyroid Gland |
| * Trachea | * Urinary Bladder | | |

OBSERVATIONS

- | | | | |
|-----------------|--|-------------------------|---------------------|
| * Kidney | | Infarct | Mild |
| * Liver | | Hepatocellular Adenoma | Multiple |
| | [Hepatocellular Adenoma TGLs = 1,2,3,4-6+7+14] | | |
| * Lung | Peribronchiolr
Alv/Bron Epith | Fibrosis
Hyperplasia | Minimal
Moderate |
| * Mammary Gland | | Hyperplasia | Minimal |
| * Uterus | Endometrium | Hyperplasia | Cystic, Moderate |
| | [Hyperplasia TGLs = 5-10] | | |

Experiment Number: 10472 - 04
Test Type: CHRONIC
Route: RESPIRATORY EXPOSURE WHOLE BODY
Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 p-Chloro-a,a,a-trifluorotoluene
CAS Number: 98-56-6

Date Report Requested: 03/25/2016
Time Report Requested: 09:19:23
First Dose M/F: 01/31/11 / 01/31/11
Lab: BNW

ANIMAL ID: 516

TRT#: 6

SEX: Female

DAY ON TEST: 732

DOSE: 200 ppm

DISP: Terminal Sacrifice

HISTO: 63276

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	Blood Vessel	* Bone
* Bone Marrow	* Brain	* Clitoral Gland	* Esophagus
* Eye	* Gallbladder	* Harderian Gland	* Heart
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Kidney
* Larynx	* Lymph Node, Bronchial	* Lymph Node, Mandibular	* Lymph Node, Mediastinal
* Lymph Node, Mesenteric	* Mammary Gland	* Nose	* Ovary
* Pancreas	* Parathyroid Gland	* Pituitary Gland	* Salivary Glands
* Skin	* Spleen	* Stomach, Forestomach	* Stomach, Glandular
* Thymus	* Thyroid Gland	* Trachea	* Urinary Bladder

OBSERVATIONS

* Liver		Hepatocellular Adenoma	
	Centrilobular, Hepatocyte	Hypertrophy	Minimal
	[Hepatocellular Adenoma TGLs = 1-14]		
* Lung	Peribronchiolr	Fibrosis	Minimal
	Alv/Bron Epith	Hyperplasia	Moderate
Mesentery	Fat	Necrosis	Minimal
	[Necrosis TGLs = 2-7]		
* Uterus	Endometrium	Hyperplasia	Cystic, Moderate

Experiment Number: 10472 - 04
 Test Type: CHRONIC
 Route: RESPIRATORY EXPOSURE WHOLE BODY
 Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 p-Chloro-a,a,a-trifluorotoluene
 CAS Number: 98-56-6

Date Report Requested: 03/25/2016
 Time Report Requested: 09:19:23
 First Dose M/F: 01/31/11 / 01/31/11
 Lab: BNW

ANIMAL ID: 517

TRT#: 6

SEX: Female

DAY ON TEST: 733

DOSE: 200 ppm

DISP: Terminal Sacrifice

HISTO: 63277

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	Blood Vessel	* Bone	* Bone Marrow
* Brain	* Clitoral Gland	* Esophagus	* Eye
* Gallbladder	* Harderian Gland	* Heart	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Larynx	* Lymph Node, Bronchial
* Lymph Node, Mandibular	* Lymph Node, Mediastinal	* Lymph Node, Mesenteric	* Mammary Gland
* Nose	* Pancreas	* Parathyroid Gland	* Pituitary Gland
* Salivary Glands	* Skin	* Stomach, Forestomach	* Stomach, Glandular
* Thyroid Gland	* Trachea	* Urinary Bladder	

OBSERVATIONS

* Adrenal Medulla		Hyperplasia	Minimal
* Kidney		Nephropathy	Minimal
* Liver		Hepatocellular Adenoma	Multiple
		Mixed Cell Focus	
	[Hepatocellular Adenoma TGLs = 1-14]		
* Lung	Peribronchiolr	Fibrosis	Minimal
	Alv/Bron Epith	Hyperplasia	Mild
Mesentery	Fat	Necrosis	Minimal
	[Necrosis TGLs = 3-7]		
* Ovary		Cyst	
	[Cyst TGLs = 2-9]		
* Spleen	Lymph Follic	Hyperplasia	Mild
* Thymus		Ectopic Parathyroid Gland	
* Uterus	Endometrium	Hyperplasia	Cystic, Mild

Experiment Number: 10472 - 04
 Test Type: CHRONIC
 Route: RESPIRATORY EXPOSURE WHOLE BODY
 Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 p-Chloro-a,a,a-trifluorotoluene
 CAS Number: 98-56-6

Date Report Requested: 03/25/2016
 Time Report Requested: 09:19:23
 First Dose M/F: 01/31/11 / 01/31/11
 Lab: BNW

ANIMAL ID: 518

TRT#: 6

SEX: Female

DAY ON TEST: 544

DOSE: 200 ppm

DISP: Moribund Sacrifice

HISTO: 63278

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	Blood Vessel	* Bone
* Brain	* Clitoral Gland	* Esophagus	* Eye
* Gallbladder	* Harderian Gland	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Larynx	* Lymph Node, Bronchial	* Lymph Node, Mandibular
* Lymph Node, Mesenteric	* Mammary Gland	* Salivary Glands	* Skin
* Stomach, Glandular	* Thyroid Gland	* Trachea	* Urinary Bladder

MISSING

* Parathyroid Gland

OBSERVATIONS

* Bone Marrow		Hyperplasia	Minimal
* Heart		Inflammation	Minimal
* Kidney		Pigmentation	Mild
* Liver		Fatty Change	Mild
		Inflammation	Minimal
	Hepatocyte	Necrosis	Minimal
	[Fatty Change TGLs = 4-6]		
* Lung	Peribronchiolr	Fibrosis	Minimal
	Alv/Bron Epith	Hyperplasia	Minimal
* Lymph Node, Mediastinal		Pigmentation	Hemosiderin, Minimal
	[Pigmentation TGLs = 2-4]		
* Nose		Inflammation	Suppurative, Minimal
* Ovary		Hemorrhage	Marked
	Note: blood filled cyst		
	[Hemorrhage TGLs = 1-14]		
* Pancreas	Acinus	Atrophy	Minimal
* Pituitary Gland	Pars Distalis	Hyperplasia	Minimal
* Spleen		Hematopoietic Cell Proliferation	Marked
	[Hematopoietic Cell Proliferation TGLs = 3-6]		
* Stomach, Forestomach		Mineralization	Minimal

* PROTOCOL REQUIRED TISSUE

Experiment Number: 10472 - 04
Test Type: CHRONIC
Route: RESPIRATORY EXPOSURE WHOLE BODY
Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

p-Chloro-a,a,a-trifluorotoluene

CAS Number: 98-56-6

Date Report Requested: 03/25/2016

Time Report Requested: 09:19:23

First Dose M/F: 01/31/11 / 01/31/11

Lab: BNW

ANIMAL ID: 518

TRT#: 6

SEX: Female

DAY ON TEST: 544

DOSE: 200 ppm

DISP: Moribund Sacrifice

HISTO: 63278

ORGAN AND ACCOUNTABLE SITE STATUS

* Thymus

Atrophy

Mild

* Uterus

Endometrium

Hyperplasia

Cystic, Minimal

PRIMARY CAUSE OF DEATH

- Ovary Hemorrhage

Experiment Number: 10472 - 04
 Test Type: CHRONIC
 Route: RESPIRATORY EXPOSURE WHOLE BODY
 Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 p-Chloro-a,a,a-trifluorotoluene
 CAS Number: 98-56-6

Date Report Requested: 03/25/2016
 Time Report Requested: 09:19:23
 First Dose M/F: 01/31/11 / 01/31/11
 Lab: BNW

ANIMAL ID: 519

TRT#: 6

SEX: Female

DAY ON TEST: 733

DOSE: 200 ppm

DISP: Terminal Sacrifice

HISTO: 63279

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Blood Vessel	* Bone	* Bone Marrow	* Brain
* Clitoral Gland	* Esophagus	* Eye	* Gallbladder
* Harderian Gland	* Heart	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Larynx	* Lymph Node, Bronchial	* Lymph Node, Mandibular
* Lymph Node, Mediastinal	* Lymph Node, Mesenteric	* Mammary Gland	* Pancreas
* Parathyroid Gland	* Pituitary Gland	* Salivary Glands	* Skin
* Stomach, Forestomach	* Stomach, Glandular	* Thymus	* Thyroid Gland
* Trachea	* Urinary Bladder		

OBSERVATIONS

* Adrenal Cortex		Hypertrophy	Minimal
* Adrenal Medulla		Hyperplasia	Minimal
* Kidney		Nephropathy	Minimal
* Liver		Eosinophilic Focus	
		Hepatocellular Adenoma	Multiple
		Hepatocellular Carcinoma	Multiple
	[Hepatocellular Adenoma TGLs = 2,3-7+14]		
	[Hepatocellular Carcinoma TGLs = 1,4-6+15]		
* Lung	Peribronchiolr	Fibrosis	Minimal
	Alv/Bron Epith	Hyperplasia	Mild
Mesentery	Fat	Necrosis	Mild
	[Necrosis TGLs = 6-15]		
* Nose	Olfactory Epi	Accumulation, Hyaline Droplet	Minimal
	Respirat Epith	Accumulation, Hyaline Droplet	Minimal
* Ovary		Cyst	Moderate
	[Cyst TGLs = 5-9]		
* Spleen		Hematopoietic Cell Proliferation	Mild
* Uterus	Endometrium	Hyperplasia	Cystic, Moderate

* PROTOCOL REQUIRED TISSUE

Experiment Number: 10472 - 04
 Test Type: CHRONIC
 Route: RESPIRATORY EXPOSURE WHOLE BODY
 Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 p-Chloro-a,a,a-trifluorotoluene
 CAS Number: 98-56-6

Date Report Requested: 03/25/2016
 Time Report Requested: 09:19:23
 First Dose M/F: 01/31/11 / 01/31/11
 Lab: BNW

ANIMAL ID: 520

TRT#: 6

SEX: Female

DAY ON TEST: 733

DOSE: 200 ppm

DISP: Terminal Sacrifice

HISTO: 63280

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	Blood Vessel	* Bone
* Bone Marrow	* Brain	* Clitoral Gland	* Esophagus
* Eye	* Gallbladder	* Heart	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Larynx	* Lymph Node, Bronchial
* Lymph Node, Mandibular	* Lymph Node, Mediastinal	* Lymph Node, Mesenteric	* Mammary Gland
* Ovary	* Pancreas	* Pituitary Gland	* Salivary Glands
* Skin	* Stomach, Glandular	* Thyroid Gland	* Trachea
* Urinary Bladder			

MISSING

* Parathyroid Gland

OBSERVATIONS

* Harderian Gland		Adenoma	
* Kidney		Nephropathy	Mild
* Liver		Eosinophilic Focus	
		Hepatocellular Carcinoma	
	[Hepatocellular Carcinoma TGLs = 1-14]		
* Lung	Peribronchiolr	Fibrosis	Minimal
	Alv/Bron Epith	Hyperplasia	Mild
Mesentery	Fat	Necrosis	Minimal
	[Necrosis TGLs = 3-7]		
* Nose	Respirat Epith	Accumulation, Hyaline Droplet	Minimal
		Inflammation	Suppurative, Minimal
* Spleen		Hematopoietic Cell Proliferation	Mild
* Stomach, Forestomach	Epithelium	Hyperplasia	Minimal
		Squamous Cell Papilloma	
* Thymus		Atrophy	Mild
* Uterus	Endometrium	Hyperplasia	Cystic, Marked
	[Hyperplasia TGLs = 2-10]		

* PROTOCOL REQUIRED TISSUE

Experiment Number: 10472 - 04
 Test Type: CHRONIC
 Route: RESPIRATORY EXPOSURE WHOLE BODY
 Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 p-Chloro-a,a,a-trifluorotoluene
 CAS Number: 98-56-6

Date Report Requested: 03/25/2016
 Time Report Requested: 09:19:23
 First Dose M/F: 01/31/11 / 01/31/11
 Lab: BNW

ANIMAL ID: 521

TRT#: 6

SEX: Female

DAY ON TEST: 729

DOSE: 200 ppm

DISP: Natural Death

HISTO: 63281

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	Blood Vessel	* Bone	* Bone Marrow
* Clitoral Gland	* Esophagus	* Eye	* Gallbladder
* Harderian Gland	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Larynx	* Lymph Node, Bronchial	* Lymph Node, Mandibular	* Lymph Node, Mediastinal
* Lymph Node, Mesenteric	* Mammary Gland	* Pancreas	* Parathyroid Gland
* Pituitary Gland	* Salivary Glands	* Skin	* Stomach, Forestomach
* Stomach, Glandular	* Thyroid Gland	* Trachea	* Urinary Bladder

OBSERVATIONS

* Adrenal Cortex		Hypertrophy	Minimal
* Brain		Degeneration	Minimal
* Heart		Inflammation	Marked
		Necrosis	Mild
* Kidney		Necrosis	Minimal
* Liver		Hepatocellular Carcinoma	Multiple
	Hepatocyte	Multinucleated	Minimal
	Hepatocyte	Necrosis	Minimal
	[Hepatocellular Carcinoma TGLs = 5,6,7-6+7+14]		
* Lung		Alveolar/Bronchiolar Adenoma	
	Alv/Bron Epith	Hyperplasia	Mild
* Nose	Respirat Epith	Accumulation, Hyaline Droplet	Minimal
* Ovary		Cyst	Minimal
	[Cyst TGLs = 3-9]		
* Spleen		Hematopoietic Cell Proliferation	Moderate
	[Hematopoietic Cell Proliferation TGLs = 2-6]		
* Thymus		Atrophy	Moderate
* Uterus	Endometrium	Hyperplasia	Cystic, Mild
	[Hyperplasia TGLs = 4-10]		

PRIMARY CAUSE OF DEATH - Heart Inflammation

* PROTOCOL REQUIRED TISSUE

Experiment Number: 10472 - 04
 Test Type: CHRONIC
 Route: RESPIRATORY EXPOSURE WHOLE BODY
 Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 p-Chloro-a,a,a-trifluorotoluene
 CAS Number: 98-56-6

Date Report Requested: 03/25/2016
 Time Report Requested: 09:19:23
 First Dose M/F: 01/31/11 / 01/31/11
 Lab: BNW

ANIMAL ID: 522

TRT#: 6

SEX: Female

DAY ON TEST: 723

DOSE: 200 ppm

DISP: Natural Death

HISTO: 63282

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	Blood Vessel	* Bone	* Brain
* Clitoral Gland	* Esophagus	* Eye	* Gallbladder
* Harderian Gland	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Larynx	* Lymph Node, Bronchial	* Lymph Node, Mandibular	* Lymph Node, Mediastinal
* Lymph Node, Mesenteric	* Mammary Gland	* Ovary	* Pancreas
* Pituitary Gland	* Salivary Glands	* Skin	* Stomach, Forestomach
* Stomach, Glandular	* Trachea	* Urinary Bladder	

MISSING

* Parathyroid Gland

OBSERVATIONS

* Adrenal Cortex		Vacuolization Cytoplasmic	Marked
[Vacuolization Cytoplasmic TGLs = 8-4]			
* Bone Marrow		Lymphoma Malignant	
* Heart		Cardiomyopathy	Minimal
* Kidney		Nephropathy	Minimal
* Liver		Fibrosis	Mild
	Hepatocyte	Hepatocellular Carcinoma	Multiple
[Fibrosis TGLs = 5-6]		Necrosis	Moderate
[Hepatocellular Carcinoma TGLs = 4,6-6+7]			
* Lung	Peribronchiolr	Fibrosis	Minimal
	Alv/Bron Epith	Hyperplasia	Minimal
Mesentery	Fat	Necrosis	Mild
[Necrosis TGLs = 2-14]			
* Nose	Respirat Epith	Accumulation, Hyaline Droplet	Minimal
	Olfactory Epi	Accumulation, Hyaline Droplet	Minimal
* Spleen		Lymphoma Malignant	
[Lymphoma Malignant TGLs = 1-6]			
* Thymus		Atrophy	Mild

* PROTOCOL REQUIRED TISSUE

Experiment Number: 10472 - 04
Test Type: CHRONIC
Route: RESPIRATORY EXPOSURE WHOLE BODY
Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
p-Chloro-a,a,a-trifluorotoluene
CAS Number: 98-56-6

Date Report Requested: 03/25/2016
Time Report Requested: 09:19:23
First Dose M/F: 01/31/11 / 01/31/11
Lab: BNW

ANIMAL ID: 522

TRT#: 6

SEX: Female

DAY ON TEST: 723

DOSE: 200 ppm

DISP: Natural Death

HISTO: 63282

ORGAN AND ACCOUNTABLE SITE STATUS

* Thyroid Gland	Follicular Cel	Hyperplasia	Minimal
[Hyperplasia TGLs = 7-4]			
* Uterus	Endometrium	Hyperplasia	Cystic, Moderate
[Hyperplasia TGLs = 3-10]			

PRIMARY CAUSE OF DEATH - Liver Hepatocellular Carcinoma

Experiment Number: 10472 - 04
 Test Type: CHRONIC
 Route: RESPIRATORY EXPOSURE WHOLE BODY
 Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 p-Chloro-a,a,a-trifluorotoluene
 CAS Number: 98-56-6

Date Report Requested: 03/25/2016
 Time Report Requested: 09:19:23
 First Dose M/F: 01/31/11 / 01/31/11
 Lab: BNW

ANIMAL ID: 523

TRT#: 6

SEX: Female

DAY ON TEST: 730

DOSE: 200 ppm

DISP: Natural Death

HISTO: 63283

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Blood Vessel	* Bone	* Clitoral Gland	* Esophagus
* Eye	* Gallbladder	* Harderian Gland	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Parathyroid Gland	* Pituitary Gland	* Skin
* Trachea	* Uterus		

OBSERVATIONS

* Adrenal Cortex		Lymphoma Malignant	
* Adrenal Medulla		Lymphoma Malignant	
* Bone Marrow		Lymphoma Malignant	
* Brain		Lymphoma Malignant	
* Heart		Lymphoma Malignant	
* Intestine Large, Cecum		Lymphoma Malignant	
* Kidney		Lymphoma Malignant	
* Larynx	Squam Epithel	Hyperplasia	Minimal
* Liver		Lymphoma Malignant	
* Lung	Alv/Bron Epith	Hyperplasia	Mild
		Lymphoma Malignant	
Lymph Node	Lumbar	Lymphoma Malignant	
	Renal	Lymphoma Malignant	
	[Lymphoma Malignant	TGLs = 6-15]	
	[Lymphoma Malignant	TGLs = 7-16]	
* Lymph Node, Bronchial		Lymphoma Malignant	
* Lymph Node, Mandibular		Lymphoma Malignant	
	[Lymphoma Malignant	TGLs = 2-9]	
* Lymph Node, Mediastinal		Lymphoma Malignant	
	[Lymphoma Malignant	TGLs = 3-4]	
* Lymph Node, Mesenteric		Lymphoma Malignant	
* Mammary Gland		Lymphoma Malignant	
Mesentery		Lymphoma Malignant	
	Fat	Necrosis	Mild

* PROTOCOL REQUIRED TISSUE

Experiment Number: 10472 - 04
Test Type: CHRONIC
Route: RESPIRATORY EXPOSURE WHOLE BODY
Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
p-Chloro-a,a,a-trifluorotoluene
CAS Number: 98-56-6

Date Report Requested: 03/25/2016
Time Report Requested: 09:19:23
First Dose M/F: 01/31/11 / 01/31/11
Lab: BNW

ANIMAL ID: 523

TRT#: 6

SEX: Female

DAY ON TEST: 730

DOSE: 200 ppm

DISP: Natural Death

HISTO: 63283

ORGAN AND ACCOUNTABLE SITE STATUS

[Lymphoma Malignant TGLs = 8-14]

[Necrosis TGLs = 5-7]

* Nose	Respirat Epith	Accumulation, Hyaline Droplet	Minimal
		Lymphoma Malignant	
* Ovary		Lymphoma Malignant	
* Pancreas		Lymphoma Malignant	
* Salivary Glands		Lymphoma Malignant	
* Spleen		Lymphoma Malignant	
	[Lymphoma Malignant TGLs = 4-6]		
* Stomach, Forestomach		Lymphoma Malignant	
* Stomach, Glandular		Lymphoma Malignant	
* Thymus		Lymphoma Malignant	
* Thyroid Gland		Lymphoma Malignant	
* Urinary Bladder		Lymphoma Malignant	

PRIMARY CAUSE OF DEATH - Spleen Lymphoma Malignant

Experiment Number: 10472 - 04
Test Type: CHRONIC
Route: RESPIRATORY EXPOSURE WHOLE BODY
Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 p-Chloro-a,a,a-trifluorotoluene
CAS Number: 98-56-6

Date Report Requested: 03/25/2016
Time Report Requested: 09:19:23
First Dose M/F: 01/31/11 / 01/31/11
Lab: BNW

ANIMAL ID: 524

TRT#: 6

SEX: Female

DAY ON TEST: 732

DOSE: 200 ppm

DISP: Terminal Sacrifice

HISTO: 63284

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	Blood Vessel	* Bone
* Brain	* Clitoral Gland	* Esophagus	* Eye
* Gallbladder	* Harderian Gland	* Heart	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Larynx	* Lymph Node, Bronchial
* Lymph Node, Mandibular	* Mammary Gland	* Nose	* Ovary
* Pancreas	* Parathyroid Gland	* Pituitary Gland	* Salivary Glands
* Skin	* Stomach, Forestomach	* Stomach, Glandular	* Thymus
* Thyroid Gland	* Trachea	* Urinary Bladder	

OBSERVATIONS

* Bone Marrow		Necrosis	Minimal
* Kidney		Nephropathy	Mild
* Liver		Basophilic Focus	
		Eosinophilic Focus	
		Hepatocellular Adenoma	Multiple
		Hepatocellular Carcinoma	Multiple
		Lymphoma Malignant	
	[Hepatocellular Carcinoma TGLs = 1,2-14+15]		
	[Lymphoma Malignant TGLs = 3,4-7+16]		
* Lung	Alv/Bron Epith	Hyperplasia	Mild
Lymph Node	Renal	Lymphoma Malignant	
	[Lymphoma Malignant TGLs = 7-16]		
* Lymph Node, Mediastinal		Lymphoma Malignant	
* Lymph Node, Mesenteric		Lymphoma Malignant	
* Spleen		Hematopoietic Cell Proliferation	Mild
		Lymphoma Malignant	
	[Lymphoma Malignant TGLs = 6-6]		
* Uterus	Endometrium	Hyperplasia	Cystic, Moderate
		Polyp Stromal	
	[Polyp Stromal TGLs = 5-10]		

* PROTOCOL REQUIRED TISSUE

Experiment Number: 10472 - 04
 Test Type: CHRONIC
 Route: RESPIRATORY EXPOSURE WHOLE BODY
 Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 p-Chloro-a,a,a-trifluorotoluene
 CAS Number: 98-56-6

Date Report Requested: 03/25/2016
 Time Report Requested: 09:19:23
 First Dose M/F: 01/31/11 / 01/31/11
 Lab: BNW

ANIMAL ID: 525

TRT#: 6

SEX: Female

DAY ON TEST: 731

DOSE: 200 ppm

DISP: Terminal Sacrifice

HISTO: 63285

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	Blood Vessel	* Bone
* Bone Marrow	* Brain	* Clitoral Gland	* Esophagus
* Eye	* Gallbladder	* Harderian Gland	* Heart
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Larynx
* Lymph Node, Bronchial	* Lymph Node, Mandibular	* Lymph Node, Mediastinal	* Lymph Node, Mesenteric
* Mammary Gland	* Ovary	* Pancreas	* Parathyroid Gland
* Pituitary Gland	* Salivary Glands	* Skin	* Stomach, Glandular
* Thyroid Gland	* Trachea	* Urinary Bladder	

OBSERVATIONS

* Kidney		Infarct	Mild
* Liver		Eosinophilic Focus	
		Hepatocellular Adenoma	Multiple
		Hepatocellular Carcinoma	
	Centrilobular, Hepatocyte	Hypertrophy	Minimal
	[Hepatocellular Adenoma TGLs = 1,2,3-6+7+16]		
	[Hepatocellular Carcinoma TGLs = 4-14]		
* Lung	Peribronchiolr	Fibrosis	Minimal
	Alv/Bron Epith	Hyperplasia	Mild
	Alveolus	Infiltration Cellular	Histiocyte, Minimal
* Nose	Olfactory Epi	Accumulation, Hyaline Droplet	Minimal
* Spleen		Hematopoietic Cell Proliferation	Mild
* Stomach, Forestomach		Inflammation	Minimal
* Thymus		Ectopic Parathyroid Gland	
* Uterus	Endometrium	Hyperplasia	Cystic, Mild

* PROTOCOL REQUIRED TISSUE

Experiment Number: 10472 - 04
 Test Type: CHRONIC
 Route: RESPIRATORY EXPOSURE WHOLE BODY
 Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 p-Chloro-a,a,a-trifluorotoluene
 CAS Number: 98-56-6

Date Report Requested: 03/25/2016
 Time Report Requested: 09:19:23
 First Dose M/F: 01/31/11 / 01/31/11
 Lab: BNW

ANIMAL ID: 526

TRT#: 6

SEX: Female

DAY ON TEST: 562

DOSE: 200 ppm

DISP: Moribund Sacrifice

HISTO: 63286

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	Blood Vessel	* Bone Marrow
* Brain	* Clitoral Gland	* Esophagus	* Eye
* Gallbladder	* Heart	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Lymph Node, Mediastinal	* Mammary Gland	* Pancreas
* Parathyroid Gland	* Pituitary Gland	* Salivary Glands	* Skin
* Stomach, Forestomach	* Stomach, Glandular	* Thyroid Gland	* Trachea
* Urinary Bladder			

OBSERVATIONS

* Bone	Maxilla	Histiocytic Sarcoma	
* Harderian Gland		Adenoma	
* Kidney		Histiocytic Sarcoma	
* Larynx	Squam Epithel	Hyperplasia	Minimal
* Liver		Histiocytic Sarcoma	
	[Histiocytic Sarcoma TGLs = 3,4-6]		
* Lung		Alveolar/Bronchiolar Adenoma	
		Histiocytic Sarcoma	
	Alv/Bron Epith	Hyperplasia	Minimal
	[Alveolar/Bronchiolar Adenoma TGLs = 2-5]		
* Lymph Node, Bronchial		Histiocytic Sarcoma	
* Lymph Node, Mandibular		Histiocytic Sarcoma	
* Lymph Node, Mesenteric		Histiocytic Sarcoma	
* Nose	Respirat Epith	Accumulation, Hyaline Droplet	Minimal
		Histiocytic Sarcoma	
* Ovary		Cystadenoma	
	[Cystadenoma TGLs = 5-9]		
* Spleen		Hematopoietic Cell Proliferation	Moderate
* Thymus		Atrophy	Mild
		Ectopic Parathyroid Gland	
* Uterus	Endometrium	Hyperplasia	Cystic, Minimal

* PROTOCOL REQUIRED TISSUE

Experiment Number: 10472 - 04
Test Type: CHRONIC
Route: RESPIRATORY EXPOSURE WHOLE BODY
Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

p-Chloro-a,a,a-trifluorotoluene

CAS Number: 98-56-6

Date Report Requested: 03/25/2016

Time Report Requested: 09:19:23

First Dose M/F: 01/31/11 / 01/31/11

Lab: BNW

ANIMAL ID: 526

TRT#: 6

SEX: Female

DAY ON TEST: 562

DOSE: 200 ppm

DISP: Moribund Sacrifice

HISTO: 63286

ORGAN AND ACCOUNTABLE SITE STATUS

PRIMARY CAUSE OF DEATH - Liver Histiocytic Sarcoma

Experiment Number: 10472 - 04
 Test Type: CHRONIC
 Route: RESPIRATORY EXPOSURE WHOLE BODY
 Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 p-Chloro-a,a,a-trifluorotoluene
 CAS Number: 98-56-6

Date Report Requested: 03/25/2016
 Time Report Requested: 09:19:23
 First Dose M/F: 01/31/11 / 01/31/11
 Lab: BNW

ANIMAL ID: 527

TRT#: 6

SEX: Female

DAY ON TEST: 733

DOSE: 200 ppm

DISP: Terminal Sacrifice

HISTO: 63287

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	Blood Vessel	* Bone
* Bone Marrow	* Brain	* Clitoral Gland	* Esophagus
* Eye	* Gallbladder	* Harderian Gland	* Heart
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Larynx
* Lymph Node, Bronchial	* Lymph Node, Mandibular	* Lymph Node, Mediastinal	* Lymph Node, Mesenteric
* Mammary Gland	* Nose	* Pancreas	* Pituitary Gland
* Salivary Glands	* Spleen	* Stomach, Glandular	* Thymus
* Thyroid Gland	* Trachea	* Urinary Bladder	

MISSING

* Parathyroid Gland

OBSERVATIONS

* Kidney		Nephropathy	Minimal
* Liver		Eosinophilic Focus	
		Hepatoblastoma	
		Hepatocellular Carcinoma	Multiple
		Mixed Cell Focus	
	Hepatocyte	Multinucleated	Minimal
	[Eosinophilic Focus TGLs = 3-15]		
	[Hepatocellular Carcinoma TGLs = 1,2,5,6-6+7+14+16]		
	[Mixed Cell Focus TGLs = 4-13]		
* Lung	Peribronchiolr	Fibrosis	Minimal
	Alv/Bron Epith	Hyperplasia	Mild
* Ovary		Cyst	
	[Cyst TGLs = 7-9]		
* Skin	Subcut Tiss	Hemangiosarcoma	
* Stomach, Forestomach		Inflammation	Minimal
* Uterus	Endometrium	Hyperplasia	Cystic, Moderate
	[Hyperplasia TGLs = 8-10]		

* PROTOCOL REQUIRED TISSUE

Experiment Number: 10472 - 04
Test Type: CHRONIC
Route: RESPIRATORY EXPOSURE WHOLE BODY
Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
p-Chloro-a,a,a-trifluorotoluene
CAS Number: 98-56-6

Date Report Requested: 03/25/2016
Time Report Requested: 09:19:23
First Dose M/F: 01/31/11 / 01/31/11
Lab: BNW

ANIMAL ID: 528

TRT#: 6

SEX: Female

DAY ON TEST: 731

DOSE: 200 ppm

DISP: Terminal Sacrifice

HISTO: 63288

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	Blood Vessel	* Bone
* Bone Marrow	* Brain	* Clitoral Gland	* Esophagus
* Eye	* Gallbladder	* Harderian Gland	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Kidney	* Larynx
* Lymph Node, Bronchial	* Lymph Node, Mandibular	* Lymph Node, Mediastinal	* Lymph Node, Mesenteric
* Mammary Gland	* Ovary	* Pancreas	* Pituitary Gland
* Salivary Glands	* Skin	* Spleen	* Stomach, Forestomach
* Stomach, Glandular	* Thyroid Gland	* Trachea	* Urinary Bladder

MISSING

* Parathyroid Gland

OBSERVATIONS

* Heart		Cardiomyopathy	Minimal
* Liver		Eosinophilic Focus	
* Lung	Peribronchiolr	Fibrosis	Minimal
	Alv/Bron Epith	Hyperplasia	Moderate
* Nose	Respirat Epith	Accumulation, Hyaline Droplet	Minimal
* Thymus		Atrophy	Mild
* Uterus	Endometrium	Hyperplasia	Cystic, Moderate

Experiment Number: 10472 - 04
Test Type: CHRONIC
Route: RESPIRATORY EXPOSURE WHOLE BODY
Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
p-Chloro-a,a,a-trifluorotoluene
CAS Number: 98-56-6

Date Report Requested: 03/25/2016
Time Report Requested: 09:19:23
First Dose M/F: 01/31/11 / 01/31/11
Lab: BNW

ANIMAL ID: 529

TRT#: 6

SEX: Female

DAY ON TEST: 103

DOSE: 200 ppm

DISP: Accidentally Killed

HISTO: 63289

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	Blood Vessel	* Bone Marrow
* Brain	* Clitoral Gland	* Esophagus	* Eye
* Gallbladder	* Harderian Gland	* Heart	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Kidney	* Larynx	* Liver
* Lymph Node, Bronchial	* Lymph Node, Mandibular	* Lymph Node, Mediastinal	* Lymph Node, Mesenteric
* Mammary Gland	* Nose	* Ovary	* Pancreas
* Parathyroid Gland	* Pituitary Gland	* Salivary Glands	* Skin
* Spleen	* Stomach, Forestomach	* Stomach, Glandular	* Thymus
* Thyroid Gland	* Trachea	* Urinary Bladder	* Uterus

INSUFFICIENT TISSUE

* Intestine Large, Rectum

OBSERVATIONS

* Bone	Vertebra	Fracture	Moderate
Note: Cervical fracture seen at gross necropsy. The lesion was inadvertently destroyed when removing the head for brain removal. No Histo sections could be taken.			
* Lung	Alveolus	Infiltration Cellular	Histiocyte, Minimal

PRIMARY CAUSE OF DEATH

- Bone Vertebra Fracture

Experiment Number: 10472 - 04
 Test Type: CHRONIC
 Route: RESPIRATORY EXPOSURE WHOLE BODY
 Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 p-Chloro-a,a,a-trifluorotoluene
 CAS Number: 98-56-6

Date Report Requested: 03/25/2016
 Time Report Requested: 09:19:23
 First Dose M/F: 01/31/11 / 01/31/11
 Lab: BNW

ANIMAL ID: 530

TRT#: 6

SEX: Female

DAY ON TEST: 731

DOSE: 200 ppm

DISP: Terminal Sacrifice

HISTO: 63290

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	Blood Vessel	* Bone Marrow
* Brain	* Clitoral Gland	* Esophagus	* Eye
* Gallbladder	* Harderian Gland	* Heart	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Larynx	* Lymph Node, Bronchial
* Lymph Node, Mandibular	* Lymph Node, Mediastinal	* Lymph Node, Mesenteric	* Mammary Gland
* Nose	* Ovary	* Pancreas	* Parathyroid Gland
* Pituitary Gland	* Salivary Glands	* Skin	* Spleen
* Stomach, Forestomach	* Stomach, Glandular	* Thymus	* Thyroid Gland
* Trachea	* Urinary Bladder		

OBSERVATIONS

* Bone		Fibro-Osseous Lesion	Minimal
* Kidney		Nephropathy	Minimal
* Liver		Basophilic Focus	
	[Basophilic Focus TGLs = 1-6]		
* Lung	Peribronchiolr	Fibrosis	Minimal
	Alv/Bron Epith	Hyperplasia	Mild
* Uterus	Endometrium	Hyperplasia	Cystic, Mild

Experiment Number: 10472 - 04
 Test Type: CHRONIC
 Route: RESPIRATORY EXPOSURE WHOLE BODY
 Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 p-Chloro-a,a,a-trifluorotoluene
 CAS Number: 98-56-6

Date Report Requested: 03/25/2016
 Time Report Requested: 09:19:23
 First Dose M/F: 01/31/11 / 01/31/11
 Lab: BNW

ANIMAL ID: 531

TRT#: 6

SEX: Female

DAY ON TEST: 732

DOSE: 200 ppm

DISP: Terminal Sacrifice

HISTO: 63291

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	Blood Vessel	* Bone Marrow	* Brain
* Clitoral Gland	* Esophagus	* Eye	* Gallbladder
* Harderian Gland	* Heart	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Kidney	* Larynx	* Lymph Node, Bronchial
* Lymph Node, Mandibular	* Lymph Node, Mediastinal	* Lymph Node, Mesenteric	* Mammary Gland
* Nose	* Ovary	* Pancreas	* Pituitary Gland
* Salivary Glands	* Skin	* Stomach, Forestomach	* Stomach, Glandular
* Thymus	* Thyroid Gland	* Trachea	* Urinary Bladder

MISSING

* Parathyroid Gland

OBSERVATIONS

* Adrenal Cortex		Hypertrophy	Minimal
* Bone		Fibro-Osseous Lesion	Mild
* Liver		Eosinophilic Focus	
	[Hepatocellular Adenoma TGLs = 1,2,3-7+14+16]	Hepatocellular Adenoma	Multiple
* Lung	Peribronchiolr	Fibrosis	Minimal
	Alv/Bron Epith	Hyperplasia	Moderate
Mesentery	Fat	Necrosis	Mild
	[Necrosis TGLs = 4-16]		
* Spleen	Lymph Follic	Hyperplasia	Moderate
* Uterus	Endometrium	Hyperplasia	Cystic, Moderate

Experiment Number: 10472 - 04
 Test Type: CHRONIC
 Route: RESPIRATORY EXPOSURE WHOLE BODY
 Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 p-Chloro-a,a,a-trifluorotoluene
 CAS Number: 98-56-6

Date Report Requested: 03/25/2016
 Time Report Requested: 09:19:23
 First Dose M/F: 01/31/11 / 01/31/11
 Lab: BNW

ANIMAL ID: 532

TRT#: 6

SEX: Female

DAY ON TEST: 733

DOSE: 200 ppm

DISP: Terminal Sacrifice

HISTO: 63292

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	Blood Vessel	* Bone
* Bone Marrow	* Brain	* Esophagus	* Eye
* Gallbladder	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Larynx	* Lymph Node, Bronchial	* Lymph Node, Mandibular	* Lymph Node, Mediastinal
* Lymph Node, Mesenteric	* Mammary Gland	* Ovary	* Pancreas
* Parathyroid Gland	* Pituitary Gland	* Salivary Glands	* Skin
* Stomach, Forestomach	* Stomach, Glandular	* Thyroid Gland	* Trachea
* Urinary Bladder			

MISSING

* Clitoral Gland

OBSERVATIONS

* Harderian Gland		Adenoma	
[Adenoma TGLs = 6-12]			
* Heart		Inflammation	Minimal
* Kidney		Infarct	Minimal
* Liver		Hepatocellular Adenoma	Multiple
	Centrilobular, Hepatocyte	Hypertrophy	Minimal
[Hepatocellular Adenoma TGLs = 1,2,3,4-6+7+14]			
* Lung	Peribronchiolr	Fibrosis	Minimal
	Alv/Bron Epith	Hyperplasia	Moderate
Mesentery	Fat	Necrosis	Minimal
[Necrosis TGLs = 5-14]			
* Nose	Olfactory Epi	Accumulation, Hyaline Droplet	Minimal
	Respirat Epith	Accumulation, Hyaline Droplet	Minimal
* Spleen	Lymph Follic	Hyperplasia	Minimal
* Thymus		Ectopic Parathyroid Gland	
* Uterus	Endometrium	Hyperplasia	Cystic, Mild

* PROTOCOL REQUIRED TISSUE

Experiment Number: 10472 - 04
 Test Type: CHRONIC
 Route: RESPIRATORY EXPOSURE WHOLE BODY
 Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 p-Chloro-a,a,a-trifluorotoluene
 CAS Number: 98-56-6

Date Report Requested: 03/25/2016
 Time Report Requested: 09:19:23
 First Dose M/F: 01/31/11 / 01/31/11
 Lab: BNW

ANIMAL ID: 533

TRT#: 6

SEX: Female

DAY ON TEST: 733

DOSE: 200 ppm

DISP: Terminal Sacrifice

HISTO: 63293

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	Blood Vessel	* Bone	* Bone Marrow
* Brain	* Clitoral Gland	* Esophagus	* Eye
* Gallbladder	* Harderian Gland	* Heart	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Larynx	* Lymph Node, Bronchial
* Lymph Node, Mesenteric	* Mammary Gland	* Nose	* Pancreas
* Pituitary Gland	* Salivary Glands	* Skin	* Stomach, Forestomach
* Stomach, Glandular	* Thyroid Gland	* Trachea	* Urinary Bladder

MISSING

* Lymph Node, Mandibular	* Parathyroid Gland
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OBSERVATIONS

* Adrenal Cortex		Hypertrophy	Minimal
* Kidney		Infarct	Minimal
* Liver		Hepatocellular Adenoma	Multiple
[Hepatocellular Adenoma	TGLs = 1,2,3,4,5,6-6+7+14+15+17]		
* Lung	Peribronchiolr Alv/Bron Epith	Fibrosis	Minimal
		Hyperplasia	Moderate
* Lymph Node, Mediastinal		Angiectasis	Minimal
Mesentery	Fat	Necrosis	Mild
[Necrosis	TGLs = 7-17]		
* Ovary		Angiectasis	Mild
[Angiectasis	TGLs = 8-9]		
* Spleen	Lymph Follic	Hyperplasia	Minimal
* Thymus		Lymphoma Malignant	
[Lymphoma Malignant	TGLs = 9-16]		
* Uterus	Endometrium	Hyperplasia	Cystic, Mild

* PROTOCOL REQUIRED TISSUE

Experiment Number: 10472 - 04
 Test Type: CHRONIC
 Route: RESPIRATORY EXPOSURE WHOLE BODY
 Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 p-Chloro-a,a,a-trifluorotoluene
 CAS Number: 98-56-6

Date Report Requested: 03/25/2016
 Time Report Requested: 09:19:23
 First Dose M/F: 01/31/11 / 01/31/11
 Lab: BNW

ANIMAL ID: 534

TRT#: 6

SEX: Female

DAY ON TEST: 733

DOSE: 200 ppm

DISP: Terminal Sacrifice

HISTO: 63294

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	Blood Vessel	* Bone	* Bone Marrow
* Brain	* Clitoral Gland	* Esophagus	* Eye
* Gallbladder	* Harderian Gland	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Kidney	* Lymph Node, Bronchial	* Lymph Node, Mandibular
* Lymph Node, Mediastinal	* 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 Cortex		Angiectasis	Minimal
* Heart		Cardiomyopathy	Minimal
* Larynx	Squam Epithel	Hyperplasia	Mild
	Squam Epithel	Inflammation	Minimal
* Liver		Clear Cell Focus	
		Eosinophilic Focus	
		Hepatocellular Adenoma	
	[Clear Cell Focus TGLs = 1-14]		
	[Hepatocellular Adenoma TGLs = 2-7]		
* Lung	Peribronchiolr	Fibrosis	Minimal
	Alv/Bron Epith	Hyperplasia	Marked
	Alveolar Epith	Hyperplasia	Minimal
		Inflammation	Mild
* Nose	Respirat Epith	Accumulation, Hyaline Droplet	Minimal
* Spleen		Hematopoietic Cell Proliferation	Mild
	Lymph Follic	Hyperplasia	Minimal
* Uterus	Endometrium	Hyperplasia	Cystic, Minimal

* PROTOCOL REQUIRED TISSUE

Experiment Number: 10472 - 04
 Test Type: CHRONIC
 Route: RESPIRATORY EXPOSURE WHOLE BODY
 Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 p-Chloro-a,a,a-trifluorotoluene
 CAS Number: 98-56-6

Date Report Requested: 03/25/2016
 Time Report Requested: 09:19:23
 First Dose M/F: 01/31/11 / 01/31/11
 Lab: BNW

ANIMAL ID: 535

TRT#: 6

SEX: Female

DAY ON TEST: 595

DOSE: 200 ppm

DISP: Moribund Sacrifice

HISTO: 63295

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	Blood Vessel	* Bone	* Bone Marrow
* Brain	* Clitoral Gland	* Esophagus	* Eye
* Gallbladder	* Harderian Gland	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Islets, Pancreatic
* Kidney	* Larynx	* Lymph Node, Bronchial	* Lymph Node, Mandibular
* Mammary Gland	* Parathyroid Gland	* Pituitary Gland	* Salivary Glands
* Skin	* Stomach, Forestomach	* Stomach, Glandular	* Thyroid Gland
* Trachea	* Urinary Bladder		

OBSERVATIONS

* Adrenal Cortex		Hypertrophy	Minimal
* Heart		Cardiomyopathy	Minimal
* Intestine Small, Jejunum		Inflammation	Mild
* Liver	Capsule	Inflammation	Suppurative, Moderate
	[Inflammation TGLs = 4-6]		
* Lung	Peribronchiolr Alv/Bron Epith	Fibrosis Hyperplasia	Minimal Mild
* Lymph Node, Mediastinal		Hyperplasia	Lymphoid, Moderate
* Lymph Node, Mesenteric		Hyperplasia	Lymphoid, Mild
* Nose	Respirat Epith	Accumulation, Hyaline Droplet	Minimal
* Ovary		Inflammation	Chronic Active, Marked
	[Inflammation TGLs = 2-14]		
* Pancreas	Acinus	Atrophy	Minimal
* Spleen	Lymph Follic	Hyperplasia	Mild
	[Hyperplasia TGLs = 1-6]		
* Thymus		Atrophy Ectopic Parathyroid Gland	Moderate
* Uterus	Endometrium	Hyperplasia Inflammation	Cystic, Mild Chronic Active, Mild

PRIMARY CAUSE OF DEATH - Ovary Inflammation

* PROTOCOL REQUIRED TISSUE

Experiment Number: 10472 - 04
 Test Type: CHRONIC
 Route: RESPIRATORY EXPOSURE WHOLE BODY
 Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 p-Chloro-a,a,a-trifluorotoluene
 CAS Number: 98-56-6

Date Report Requested: 03/25/2016
 Time Report Requested: 09:19:23
 First Dose M/F: 01/31/11 / 01/31/11
 Lab: BNW

ANIMAL ID: 536

TRT#: 6

SEX: Female

DAY ON TEST: 731

DOSE: 200 ppm

DISP: Terminal Sacrifice

HISTO: 63296

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	Blood Vessel	* Bone	* Bone Marrow
* Brain	* Clitoral Gland	* Esophagus	* Gallbladder
* Heart	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Kidney	* Larynx	* Lymph Node, Bronchial	* Lymph Node, Mandibular
* Lymph Node, Mediastinal	* Lymph Node, Mesenteric	* Mammary Gland	* Nose
* Ovary	* Pancreas	* Pituitary Gland	* Salivary Glands
* Spleen	* Stomach, Forestomach	* Stomach, Glandular	* Thymus
* Thyroid Gland	* Trachea	* Urinary Bladder	

MISSING

* Parathyroid Gland

OBSERVATIONS

* Adrenal Cortex		Hypertrophy	Minimal
* Eye		Atrophy	Marked
	[Atrophy TGLs = 1-12]		
* Harderian Gland		Adenocarcinoma	
	[Adenocarcinoma TGLs = 5-12]		
* Liver		Eosinophilic Focus	
	Centrilobular, Hepatocyte	Hepatocellular Adenoma	
	[Eosinophilic Focus TGLs = 3-14]	Hypertrophy	Minimal
	[Hepatocellular Adenoma TGLs = 2-7]		
* Lung	Peribronchiolr	Fibrosis	Minimal
	Alv/Bron Epith	Hyperplasia	Mild
* Skin	Eyelid, Sebaceous Gl	Hyperplasia	Mild
		Inflammation	Minimal
* Uterus	Endometrium	Hyperplasia	Cystic, Moderate
	[Hyperplasia TGLs = 4-10]		

* PROTOCOL REQUIRED TISSUE

Experiment Number: 10472 - 04
 Test Type: CHRONIC
 Route: RESPIRATORY EXPOSURE WHOLE BODY
 Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 p-Chloro-a,a,a-trifluorotoluene
 CAS Number: 98-56-6

Date Report Requested: 03/25/2016
 Time Report Requested: 09:19:23
 First Dose M/F: 01/31/11 / 01/31/11
 Lab: BNW

ANIMAL ID: 537

TRT#: 6

SEX: Female

DAY ON TEST: 733

DOSE: 200 ppm

DISP: Terminal Sacrifice

HISTO: 63297

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	Blood Vessel	* Bone Marrow
* Brain	* Clitoral Gland	* Esophagus	* Eye
* Gallbladder	* Harderian Gland	* Heart	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Kidney	* Larynx
* Lymph Node, Bronchial	* Lymph Node, Mandibular	* Lymph Node, Mediastinal	* Lymph Node, Mesenteric
* Mammary Gland	* Nose	* Ovary	* Pancreas
* Pituitary Gland	* Salivary Glands	* Skin	* Spleen
* Stomach, Forestomach	* Stomach, Glandular	* Thyroid Gland	* Trachea
* Urinary Bladder			

MISSING

* Parathyroid Gland

OBSERVATIONS

* Bone		Fibro-Osseous Lesion	Mild
* Liver		Eosinophilic Focus	
	[Hepatocellular Adenoma TGLs = 1,2,3,4-6+7+14]	Hepatocellular Adenoma	Multiple
* Lung	Peribronchiolr	Fibrosis	Minimal
	Alv/Bron Epith	Hyperplasia	Mild
Mesentery	Fat	Necrosis	Minimal
	[Necrosis TGLs = 5-14]		
* Thymus		Atrophy	Minimal
* Uterus	Endometrium	Hyperplasia	Cystic, Marked

Experiment Number: 10472 - 04
 Test Type: CHRONIC
 Route: RESPIRATORY EXPOSURE WHOLE BODY
 Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 p-Chloro-a,a,a-trifluorotoluene
 CAS Number: 98-56-6

Date Report Requested: 03/25/2016
 Time Report Requested: 09:19:23
 First Dose M/F: 01/31/11 / 01/31/11
 Lab: BNW

ANIMAL ID: 538

TRT#: 6

SEX: Female

DAY ON TEST: 732

DOSE: 200 ppm

DISP: Terminal Sacrifice

HISTO: 63298

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	Blood Vessel	* Bone
* Bone Marrow	* Brain	* Clitoral Gland	* Esophagus
* Eye	* Gallbladder	* Harderian Gland	* Heart
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Kidney
* Larynx	* Lymph Node, Bronchial	* Lymph Node, Mandibular	* Lymph Node, Mediastinal
* Mammary Gland	* Nose	* Ovary	* Pancreas
* Pituitary Gland	* Salivary Glands	* Skin	* Stomach, Glandular
* Thyroid Gland	* Trachea	* Urinary Bladder	

MISSING

* Parathyroid Gland

OBSERVATIONS

* Liver		Eosinophilic Focus	
		Hepatocellular Adenoma	
		Hepatocellular Carcinoma	Multiple
	[Hepatocellular Adenoma TGLs = 3-6]		
	[Hepatocellular Carcinoma TGLs = 1,2-14+15]		
* Lung	Peribronchiolr	Fibrosis	Minimal
	Alv/Bron Epith	Hyperplasia	Moderate
* Lymph Node, Mesenteric		Hyperplasia	Lymphoid, Mild
Mesentery	Fat	Necrosis	Mild
	[Necrosis TGLs = 4-17]		
* Spleen		Hematopoietic Cell Proliferation	Minimal
* Stomach, Forestomach	Epithelium	Hyperplasia	Minimal
		Inflammation	Minimal
* Thymus		Atrophy	Mild
* Uterus	Endometrium	Hyperplasia	Cystic, Mild

* PROTOCOL REQUIRED TISSUE

Experiment Number: 10472 - 04
Test Type: CHRONIC
Route: RESPIRATORY EXPOSURE WHOLE BODY
Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 p-Chloro-a,a,a-trifluorotoluene
CAS Number: 98-56-6

Date Report Requested: 03/25/2016
Time Report Requested: 09:19:23
First Dose M/F: 01/31/11 / 01/31/11
Lab: BNW

ANIMAL ID: 539

TRT#: 6

SEX: Female

DAY ON TEST: 732

DOSE: 200 ppm

DISP: Terminal Sacrifice

HISTO: 63299

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	Blood Vessel	* Bone Marrow
* Brain	* Clitoral Gland	* Esophagus	* Eye
* Gallbladder	* Harderian Gland	* Heart	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Kidney	* Larynx	* Lymph Node, Bronchial
* Lymph Node, Mandibular	* Lymph Node, Mediastinal	* Lymph Node, Mesenteric	* Mammary Gland
* Pancreas	* Parathyroid Gland	* Pituitary Gland	* Salivary Glands
* Skin	* Spleen	* Stomach, Forestomach	* Stomach, Glandular
* Thymus	* Thyroid Gland	* Trachea	* Urinary Bladder

INSUFFICIENT TISSUE

* Intestine Large, Rectum

OBSERVATIONS

* Bone		Fibro-Osseous Lesion	Mild
* Liver		Hepatocellular Adenoma	Multiple
		Mixed Cell Focus	
	[Hepatocellular Adenoma TGLs = 1,2,3,7-7+14+15+16]		
	[Mixed Cell Focus TGLs = 6-6]		
* Lung	Peribronchiolr	Fibrosis	Minimal
	Alv/Bron Epith	Hyperplasia	Mild
Mesentery	Fat	Necrosis	Mild
	[Necrosis TGLs = 4,5+14+15]		
* Nose	Respirat Epith	Accumulation, Hyaline Droplet	Mild
	Olfactory Epi	Accumulation, Hyaline Droplet	Mild
* Ovary		Cystadenoma	
* Uterus	Endometrium	Hyperplasia	Cystic, Mild

* PROTOCOL REQUIRED TISSUE

Experiment Number: 10472 - 04
 Test Type: CHRONIC
 Route: RESPIRATORY EXPOSURE WHOLE BODY
 Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 p-Chloro-a,a,a-trifluorotoluene
 CAS Number: 98-56-6

Date Report Requested: 03/25/2016
 Time Report Requested: 09:19:23
 First Dose M/F: 01/31/11 / 01/31/11
 Lab: BNW

ANIMAL ID: 540

TRT#: 6

SEX: Female

DAY ON TEST: 641

DOSE: 200 ppm

DISP: Moribund Sacrifice

HISTO: 63300

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	Blood Vessel	* Bone	* Brain
* Clitoral Gland	* Esophagus	* Eye	* Gallbladder
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Mammary Gland
* Ovary	* Parathyroid Gland	* Pituitary Gland	* Skin
* Thymus	* Thyroid Gland	* Trachea	

OBSERVATIONS

* Adrenal Cortex		Lymphoma Malignant	
* Bone Marrow		Lymphoma Malignant	
* Harderian Gland		Lymphoma Malignant	
* Heart		Lymphoma Malignant	
* Kidney		Lymphoma Malignant	
* Larynx		Lymphoma Malignant	
* Liver		Lymphoma Malignant	
	[Lymphoma Malignant TGLs = 3,4-6]		
* Lung	Peribronchiolr Alv/Bron Epith	Fibrosis Hyperplasia Lymphoma Malignant	Minimal Mild
* Lymph Node, Bronchial		Lymphoma Malignant	
* Lymph Node, Mandibular		Lymphoma Malignant	
	[Lymphoma Malignant TGLs = 1-9]		
* Lymph Node, Mediastinal		Lymphoma Malignant	
* Lymph Node, Mesenteric		Lymphoma Malignant	
* Nose	Respirat Epith Olfactory Epi	Accumulation, Hyaline Droplet Accumulation, Hyaline Droplet	Mild Mild
* Pancreas		Lymphoma Malignant	
* Salivary Glands		Lymphoma Malignant	
* Spleen		Lymphoma Malignant	
	[Lymphoma Malignant TGLs = 2-6]		
* Stomach, Forestomach		Lymphoma Malignant	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 10472 - 04
Test Type: CHRONIC
Route: RESPIRATORY EXPOSURE WHOLE BODY
Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
p-Chloro-a,a,a-trifluorotoluene
CAS Number: 98-56-6

Date Report Requested: 03/25/2016
Time Report Requested: 09:19:23
First Dose M/F: 01/31/11 / 01/31/11
Lab: BNW

ANIMAL ID: 540

TRT#: 6

SEX: Female

DAY ON TEST: 641

DOSE: 200 ppm

DISP: Moribund Sacrifice

HISTO: 63300

ORGAN AND ACCOUNTABLE SITE STATUS

* Stomach, Glandular

Lymphoma Malignant

* Urinary Bladder

Lymphoma Malignant

* Uterus

Endometrium

Hyperplasia

Cystic, Mild

PRIMARY CAUSE OF DEATH

- Lung Lymphoma Malignant

Experiment Number: 10472 - 04
 Test Type: CHRONIC
 Route: RESPIRATORY EXPOSURE WHOLE BODY
 Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 p-Chloro-a,a,a-trifluorotoluene
 CAS Number: 98-56-6

Date Report Requested: 03/25/2016
 Time Report Requested: 09:19:23
 First Dose M/F: 01/31/11 / 01/31/11
 Lab: BNW

ANIMAL ID: 541

TRT#: 6

SEX: Female

DAY ON TEST: 732

DOSE: 200 ppm

DISP: Terminal Sacrifice

HISTO: 63301

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	Blood Vessel	* Bone	* Bone Marrow
* Clitoral Gland	* Esophagus	* Eye	* Gallbladder
* Harderian Gland	* Heart	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Kidney	* Lymph Node, Bronchial	* Lymph Node, Mediastinal
* Lymph Node, Mesenteric	* Mammary Gland	* Nose	* Pancreas
* Parathyroid Gland	* Pituitary Gland	* Skin	* Stomach, Glandular
* Thyroid Gland	* Trachea	* Urinary Bladder	

OBSERVATIONS

* Adrenal Cortex		Hypertrophy	Minimal
* Brain		Inflammation	Minimal
* Larynx	Squam Epithel	Hyperplasia	Minimal
* Liver		Eosinophilic Focus	
		Hepatocellular Adenoma	
		Hepatocellular Carcinoma	Multiple
	[Hepatocellular Adenoma TGLs = 4-7]		
	[Hepatocellular Carcinoma TGLs = 1,2,3-14+15+16]		
* Lung	Peribronchiolr	Fibrosis	Minimal
	Alv/Bron Epith	Hyperplasia	Moderate
* Lymph Node, Mandibular		Hyperplasia	Lymphoid, Mild
	[Hyperplasia TGLs = 6-18]		
* Ovary		Tubulostromal Adenoma	
* Salivary Glands		Rhabdomyosarcoma	
	[Rhabdomyosarcoma TGLs = 5,6-18]		
* Spleen		Hematopoietic Cell Proliferation	Minimal
	Lymph Follic	Hyperplasia	Mild
* Stomach, Forestomach	Epithelium	Hyperplasia	Minimal
		Inflammation	Mild
* Thymus		Ectopic Parathyroid Gland	
* Uterus	Endometrium	Hyperplasia	Cystic, Mild

* PROTOCOL REQUIRED TISSUE

Experiment Number: 10472 - 04
 Test Type: CHRONIC
 Route: RESPIRATORY EXPOSURE WHOLE BODY
 Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 p-Chloro-a,a,a-trifluorotoluene
 CAS Number: 98-56-6

Date Report Requested: 03/25/2016
 Time Report Requested: 09:19:23
 First Dose M/F: 01/31/11 / 01/31/11
 Lab: BNW

ANIMAL ID: 542

TRT#: 6

SEX: Female

DAY ON TEST: 732

DOSE: 200 ppm

DISP: Terminal Sacrifice

HISTO: 63302

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	Blood Vessel	* Bone
* Bone Marrow	* Brain	* Clitoral Gland	* Esophagus
* Eye	* Gallbladder	* Heart	* 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, Mediastinal	* Lymph Node, Mesenteric	* Mammary Gland
* Nose	* Ovary	* Pancreas	* Pituitary Gland
* Salivary Glands	* Skin	* Stomach, Forestomach	* Thyroid Gland
* Trachea	* Urinary Bladder		

MISSING

* Parathyroid Gland

OBSERVATIONS

* Harderian Gland		Adenoma	
[Adenoma TGLs = 3-12]			
* Intestine Large, Cecum		Adenoma	
		Inflammation	Mild
* Lung	Peribronchiolr	Fibrosis	Minimal
	Alv/Bron Epith	Hyperplasia	Mild
* Lymph Node, Bronchial		Hyperplasia	Minimal
Mesentery	Fat	Necrosis	Mild
[Necrosis TGLs = 1-7]			
* Spleen	Lymph Follic	Hyperplasia	Minimal
* Stomach, Glandular		Adenoma	
[Adenoma TGLs = 4-10]			
* Thymus		Atrophy	Mild
* Uterus	Endometrium	Hyperplasia	Cystic, Moderate
[Hyperplasia TGLs = 2-10]			

* PROTOCOL REQUIRED TISSUE

Experiment Number: 10472 - 04
 Test Type: CHRONIC
 Route: RESPIRATORY EXPOSURE WHOLE BODY
 Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 p-Chloro-a,a,a-trifluorotoluene
 CAS Number: 98-56-6

Date Report Requested: 03/25/2016
 Time Report Requested: 09:19:23
 First Dose M/F: 01/31/11 / 01/31/11
 Lab: BNW

ANIMAL ID: 543

TRT#: 6

SEX: Female

DAY ON TEST: 732

DOSE: 200 ppm

DISP: Terminal Sacrifice

HISTO: 63303

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	Blood Vessel	* Bone Marrow	* Brain
* Clitoral Gland	* Esophagus	* Eye	* Gallbladder
* Harderian Gland	* Heart	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Kidney	* Larynx	* Lymph Node, Bronchial
* Lymph Node, Mandibular	* Lymph Node, Mediastinal	* Lymph Node, Mesenteric	* Mammary Gland
* Ovary	* Parathyroid Gland	* Pituitary Gland	* Salivary Glands
* Skin	* Stomach, Glandular	* Thyroid Gland	* Trachea
* Urinary Bladder			

OBSERVATIONS

* Adrenal Cortex		Vacuolization Cytoplasmic	Minimal
* Bone		Fibro-Osseous Lesion	Minimal
* Liver		Basophilic Focus	
		Eosinophilic Focus	
		Hepatocellular Adenoma	
		Mixed Cell Focus	
	[Eosinophilic Focus TGLs = 1,2,-6+7]		
	[Hepatocellular Adenoma TGLs = 3-14]		
* Lung	Peribronchiolr	Fibrosis	Minimal
	Alv/Bron Epith	Hyperplasia	Mild
Mesentery	Fat	Necrosis	Mild
	[Necrosis TGLs = 4-14]		
* Nose	Respirat Epith	Accumulation, Hyaline Droplet	Minimal
* Pancreas	Acinus	Atrophy	Mild
* Spleen	Lymph Follic	Hyperplasia	Minimal
* Stomach, Forestomach		Angiectasis	Minimal
	Epithelium	Hyperplasia	Minimal
		Inflammation	Minimal
* Thymus		Ectopic Parathyroid Gland	
* Uterus	Endometrium	Hyperplasia	Cystic, Mild

* PROTOCOL REQUIRED TISSUE

Experiment Number: 10472 - 04
 Test Type: CHRONIC
 Route: RESPIRATORY EXPOSURE WHOLE BODY
 Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 p-Chloro-a,a,a-trifluorotoluene
 CAS Number: 98-56-6

Date Report Requested: 03/25/2016
 Time Report Requested: 09:19:23
 First Dose M/F: 01/31/11 / 01/31/11
 Lab: BNW

ANIMAL ID: 544

TRT#: 6

SEX: Female

DAY ON TEST: 732

DOSE: 200 ppm

DISP: Terminal Sacrifice

HISTO: 63304

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	Blood Vessel	* Bone	* Bone Marrow
* Brain	* Clitoral Gland	* Esophagus	* Eye
* Gallbladder	* Harderian Gland	* Heart	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Lymph Node, Bronchial	* Mammary Gland	* Ovary
* Salivary Glands	* Skin	* Stomach, Forestomach	* Stomach, Glandular
* Thyroid Gland	* Trachea	* Urinary Bladder	

MISSING

* Parathyroid Gland

OBSERVATIONS

* Adrenal Medulla		Hyperplasia	Minimal
* Intestine Small, Ileum		Lymphoma Malignant	
* Kidney		Lymphoma Malignant	
	[Lymphoma Malignant TGLs = 4,5-7]		
* Larynx		Lymphoma Malignant	
* Liver		Eosinophilic Focus	
		Hepatocellular Adenoma	Multiple
		Hepatocellular Carcinoma	
		Lymphoma Malignant	
	[Hepatocellular Adenoma TGLs = 2,8-7+15]		
	[Hepatocellular Carcinoma TGLs = 1-14]		
* Lung		Alveolar/Bronchiolar Adenoma	
	Peribronchiolar	Fibrosis	Minimal
	Alv/Bron Epith	Hyperplasia	Mild
* Lymph Node, Mandibular		Lymphoma Malignant	
* Lymph Node, Mediastinal		Lymphoma Malignant	
* Lymph Node, Mesenteric		Lymphoma Malignant	
	[Lymphoma Malignant TGLs = 6-14]		
* Nose	Respirat Epith	Accumulation, Hyaline Droplet	Minimal
		Pigmentation	Hemosiderin, Minimal

* PROTOCOL REQUIRED TISSUE

Experiment Number: 10472 - 04
Test Type: CHRONIC
Route: RESPIRATORY EXPOSURE WHOLE BODY
Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
p-Chloro-a,a,a-trifluorotoluene
CAS Number: 98-56-6

Date Report Requested: 03/25/2016
Time Report Requested: 09:19:23
First Dose M/F: 01/31/11 / 01/31/11
Lab: BNW

ANIMAL ID: 544

TRT#: 6

SEX: Female

DAY ON TEST: 732

DOSE: 200 ppm

DISP: Terminal Sacrifice

HISTO: 63304

ORGAN AND ACCOUNTABLE SITE STATUS

* Pancreas	Duct	Cyst	Moderate
[Cyst TGLs = 7-15]			
* Pituitary Gland	Pars Distalis	Hyperplasia	Minimal
* Spleen		Lymphoma Malignant	
[Lymphoma Malignant TGLs = 3-6]			
* Thymus		Lymphoma Malignant	
* Uterus	Endometrium	Hyperplasia	Cystic, Moderate

Experiment Number: 10472 - 04
 Test Type: CHRONIC
 Route: RESPIRATORY EXPOSURE WHOLE BODY
 Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 p-Chloro-a,a,a-trifluorotoluene
 CAS Number: 98-56-6

Date Report Requested: 03/25/2016
 Time Report Requested: 09:19:23
 First Dose M/F: 01/31/11 / 01/31/11
 Lab: BNW

ANIMAL ID: 545

TRT#: 6

SEX: Female

DAY ON TEST: 731

DOSE: 200 ppm

DISP: Terminal Sacrifice

HISTO: 63305

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	Blood Vessel	* Bone
* Bone Marrow	* Brain	* Clitoral Gland	* Esophagus
* Eye	* Gallbladder	* Harderian Gland	* Heart
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Larynx
* Mammary Gland	* Parathyroid Gland	* Skin	* Stomach, Forestomach
* Stomach, Glandular	* Thyroid Gland	* Trachea	

OBSERVATIONS

* Kidney		Lymphoma Malignant	
* Liver		Eosinophilic Focus	
		Hepatocellular Adenoma	
		Lymphoma Malignant	
	[Hepatocellular Adenoma TGLs = 1-6]		
* Lung	Peribronchiolr	Fibrosis	Minimal
	Alv/Bron Epith	Hyperplasia	Mild
		Lymphoma Malignant	
Lymph Node	Renal	Lymphoma Malignant	
	Pancreatic	Lymphoma Malignant	
	Deep Cervical	Lymphoma Malignant	
	Lumbar	Lymphoma Malignant	
	[Lymphoma Malignant TGLs = 5-7]		
	[Lymphoma Malignant TGLs = 7-16]		
	[Lymphoma Malignant TGLs = 3-14]		
	[Lymphoma Malignant TGLs = 6-15]		
* Lymph Node, Bronchial		Lymphoma Malignant	
* Lymph Node, Mandibular		Lymphoma Malignant	
* Lymph Node, Mediastinal		Lymphoma Malignant	
	[Lymphoma Malignant TGLs = 2-4]		
* Lymph Node, Mesenteric		Lymphoma Malignant	
* Nose	Respirat Epith	Accumulation, Hyaline Droplet	Minimal

* PROTOCOL REQUIRED TISSUE

Experiment Number: 10472 - 04
Test Type: CHRONIC
Route: RESPIRATORY EXPOSURE WHOLE BODY
Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 p-Chloro-a,a,a-trifluorotoluene
CAS Number: 98-56-6

Date Report Requested: 03/25/2016
Time Report Requested: 09:19:23
First Dose M/F: 01/31/11 / 01/31/11
Lab: BNW

ANIMAL ID: 545

TRT#: 6

SEX: Female

DAY ON TEST: 731

DOSE: 200 ppm

DISP: Terminal Sacrifice

HISTO: 63305

ORGAN AND ACCOUNTABLE SITE STATUS

* Ovary		Inflammation	Suppurative, Minimal
* Pancreas	Acinus	Lymphoma Malignant	
	Duct	Atrophy	Mild
		Cyst	Mild
* Pituitary Gland	Pars Distalis	Lymphoma Malignant	
* Salivary Glands		Hyperplasia	Minimal
* Spleen		Lymphoma Malignant	
	[Lymphoma Malignant TGLs = 4-6]		
* Thymus		Lymphoma Malignant	
* Urinary Bladder		Lymphoma Malignant	
* Uterus	Endometrium	Hyperplasia	Cystic, Minimal
		Neovascularization	Moderate

Experiment Number: 10472 - 04
Test Type: CHRONIC
Route: RESPIRATORY EXPOSURE WHOLE BODY
Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
p-Chloro-a,a,a-trifluorotoluene
CAS Number: 98-56-6

Date Report Requested: 03/25/2016
Time Report Requested: 09:19:23
First Dose M/F: 01/31/11 / 01/31/11
Lab: BNW

ANIMAL ID: 546

TRT#: 6

SEX: Female

DAY ON TEST: 526

DOSE: 200 ppm

DISP: Moribund Sacrifice

HISTO: 63306

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Bone Marrow	* Clitoral Gland
* Esophagus	* Eye	* Harderian Gland	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Kidney	* Larynx
* Liver	* Lymph Node, Bronchial	* Lymph Node, Mandibular	* Lymph Node, Mediastinal
* Lymph Node, Mesenteric	* Mammary Gland	* Nose	* Ovary
* Pancreas	* Pituitary Gland	* Salivary Glands	* Skin
* Spleen	* Stomach, Forestomach	* Stomach, Glandular	* Thymus
* Thyroid Gland	* Trachea	* Urinary Bladder	

MISSING

* Gallbladder	* Parathyroid Gland
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OBSERVATIONS

* Adrenal Cortex		Cyst	
Blood Vessel		Inflammation	Moderate
Note: Brain, Thyroid gland, Esophagus, Kidney, Pharynx, Heart, Aorta			
* Brain		Inflammation	Mild
* Heart		Inflammation	Moderate
* Lung	Peribronchiolr	Fibrosis	Minimal
	Alv/Bron Epith	Hyperplasia	Minimal
* Uterus	Endometrium	Hyperplasia	Cystic, Minimal

PRIMARY CAUSE OF DEATH - Blood Vessel Inflammation

Experiment Number: 10472 - 04
Test Type: CHRONIC
Route: RESPIRATORY EXPOSURE WHOLE BODY
Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 p-Chloro-a,a,a-trifluorotoluene
CAS Number: 98-56-6

Date Report Requested: 03/25/2016
Time Report Requested: 09:19:23
First Dose M/F: 01/31/11 / 01/31/11
Lab: BNW

ANIMAL ID: 547

TRT#: 6

SEX: Female

DAY ON TEST: 733

DOSE: 200 ppm

DISP: Terminal Sacrifice

HISTO: 63307

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	Blood Vessel	* Bone	* Bone Marrow
* Brain	* Clitoral Gland	* Esophagus	* Gallbladder
* Heart	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Larynx	* Lymph Node, Bronchial	* Lymph Node, Mandibular	* Lymph Node, Mediastinal
* Lymph Node, Mesenteric	* Nose	* Ovary	* Pancreas
* Pituitary Gland	* Salivary Glands	* Skin	* Spleen
* Stomach, Glandular	* Thymus	* Thyroid Gland	* Trachea
* Urinary Bladder			

MISSING

* Parathyroid Gland

OBSERVATIONS

* Adrenal Cortex		Hypertrophy	Minimal
* Eye		Cataract	Mild
		Inflammation	Moderate
* Harderian Gland		Adenoma	
[Adenoma TGLs = 5-12]			
* Kidney		Nephropathy	Mild
* Liver		Clear Cell Focus	
		Eosinophilic Focus	
		Hepatocellular Adenoma	Multiple
[Hepatocellular Adenoma TGLs = 1,2,3,4-6+7+14+15]			
* Lung		Alveolar/Bronchiolar Carcinoma	
	Peribronchiolr	Fibrosis	Minimal
	Alv/Bron Epith	Hyperplasia	Mild
	Alveolus	Infiltration Cellular	Histiocyte, Mild
		Thrombosis	Minimal
[Alveolar/Bronchiolar Carcinoma TGLs = 6-5]			
* Mammary Gland		Hyperplasia	Minimal
* Stomach, Forestomach	Epithelium	Hyperplasia	Minimal

* PROTOCOL REQUIRED TISSUE

Experiment Number: 10472 - 04
Test Type: CHRONIC
Route: RESPIRATORY EXPOSURE WHOLE BODY
Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

p-Chloro-a,a,a-trifluorotoluene

CAS Number: 98-56-6

Date Report Requested: 03/25/2016

Time Report Requested: 09:19:23

First Dose M/F: 01/31/11 / 01/31/11

Lab: BNW

ANIMAL ID: 547

TRT#: 6

SEX: Female

DAY ON TEST: 733

DOSE: 200 ppm

DISP: Terminal Sacrifice

HISTO: 63307

ORGAN AND ACCOUNTABLE SITE STATUS

* Uterus

Endometrium

Hyperplasia

Cystic, Mild

Experiment Number: 10472 - 04
 Test Type: CHRONIC
 Route: RESPIRATORY EXPOSURE WHOLE BODY
 Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 p-Chloro-a,a,a-trifluorotoluene
 CAS Number: 98-56-6

Date Report Requested: 03/25/2016
 Time Report Requested: 09:19:23
 First Dose M/F: 01/31/11 / 01/31/11
 Lab: BNW

ANIMAL ID: 548

TRT#: 6

SEX: Female

DAY ON TEST: 733

DOSE: 200 ppm

DISP: Terminal Sacrifice

HISTO: 63308

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	Blood Vessel	* Bone
* Bone Marrow	* Brain	* Clitoral Gland	* Esophagus
* Eye	* Gallbladder	* Harderian Gland	* Heart
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Larynx
* Lymph Node, Bronchial	* Lymph Node, Mediastinal	* Mammary Gland	* Ovary
* Pancreas	* Parathyroid Gland	* Pituitary Gland	* Salivary Glands
* Skin	* Stomach, Forestomach	* Stomach, Glandular	* Thymus
* Thyroid Gland	* Trachea	* Urinary Bladder	

MISSING

* Lymph Node, Mesenteric

OBSERVATIONS

* Kidney		Lymphoma Malignant	
* Liver		Eosinophilic Focus	
		Lymphoma Malignant	
	[Eosinophilic Focus TGLs = 1,2-6+7]		
* Lung	Peribronchiolr	Fibrosis	Minimal
	Alv/Bron Epith	Hyperplasia	Moderate
Lymph Node	Lumbar	Ectasia	Moderate
	[Ectasia TGLs = 3-14]		
* Lymph Node, Mandibular		Lymphoma Malignant	
* Nose	Respirat Epith	Accumulation, Hyaline Droplet	Minimal
		Inflammation	Suppurative, Minimal
	Respirat Epith	Metaplasia	Squamous, Minimal
* Spleen	Lymph Follic	Hyperplasia	Minimal
* Uterus	Endometrium	Hyperplasia	Cystic, Mild

* PROTOCOL REQUIRED TISSUE

Experiment Number: 10472 - 04
Test Type: CHRONIC
Route: RESPIRATORY EXPOSURE WHOLE BODY
Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 p-Chloro-a,a,a-trifluorotoluene
CAS Number: 98-56-6

Date Report Requested: 03/25/2016
Time Report Requested: 09:19:23
First Dose M/F: 01/31/11 / 01/31/11
Lab: BNW

ANIMAL ID: 549

TRT#: 6

SEX: Female

DAY ON TEST: 733

DOSE: 200 ppm

DISP: Terminal Sacrifice

HISTO: 63309

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	Blood Vessel	* Bone	* Bone Marrow
* Brain	* Clitoral Gland	* Esophagus	* Eye
* Gallbladder	* Harderian Gland	* Heart	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Larynx	* Mammary Gland
* Ovary	* Pancreas	* Pituitary Gland	* Skin
* Stomach, Forestomach	* Stomach, Glandular	* Thyroid Gland	* Trachea
* Urinary Bladder			

MISSING

* Parathyroid Gland

OBSERVATIONS

* Adrenal Cortex		Hypertrophy	Minimal
* Kidney		Infarct	Minimal
* Liver		Lymphoma Malignant	
		Basophilic Focus	
		Eosinophilic Focus	
		Lymphoma Malignant	
	[Lymphoma Malignant TGLs = 1,2-6+7]		
* Lung		Alveolar/Bronchiolar Adenoma	
	Peribronchiolr	Fibrosis	Minimal
	Alv/Bron Epith	Hyperplasia	Mild
* Lymph Node, Bronchial		Lymphoma Malignant	
* Lymph Node, Mandibular		Lymphoma Malignant	
* Lymph Node, Mediastinal		Lymphoma Malignant	
* Lymph Node, Mesenteric		Lymphoma Malignant	
* Nose	Respirat Epith	Accumulation, Hyaline Droplet	Minimal
* Salivary Glands		Lymphoma Malignant	
* Spleen		Lymphoma Malignant	
	[Lymphoma Malignant TGLs = 3-6]		
* Thymus		Lymphoma Malignant	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 10472 - 04
Test Type: CHRONIC
Route: RESPIRATORY EXPOSURE WHOLE BODY
Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
p-Chloro-a,a,a-trifluorotoluene
CAS Number: 98-56-6

Date Report Requested: 03/25/2016
Time Report Requested: 09:19:23
First Dose M/F: 01/31/11 / 01/31/11
Lab: BNW

ANIMAL ID: 549

TRT#: 6

SEX: Female

DAY ON TEST: 733

DOSE: 200 ppm

DISP: Terminal Sacrifice

HISTO: 63309

ORGAN AND ACCOUNTABLE SITE STATUS

* Uterus

Endometrium

Hyperplasia

Cystic, Moderate

[Hyperplasia TGLs = 4-10]

Experiment Number: 10472 - 04
 Test Type: CHRONIC
 Route: RESPIRATORY EXPOSURE WHOLE BODY
 Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 p-Chloro-a,a,a-trifluorotoluene
 CAS Number: 98-56-6

Date Report Requested: 03/25/2016
 Time Report Requested: 09:19:23
 First Dose M/F: 01/31/11 / 01/31/11
 Lab: BNW

ANIMAL ID: 550

TRT#: 6

SEX: Female

DAY ON TEST: 480

DOSE: 200 ppm

DISP: Moribund Sacrifice

HISTO: 63310

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	Blood Vessel	* Bone
* Bone Marrow	* Brain	* Clitoral Gland	* Esophagus
* Eye	* Gallbladder	* Heart	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Kidney	* Larynx	* Lymph Node, Bronchial
* Lymph Node, Mandibular	* Lymph Node, Mediastinal	* Lymph Node, Mesenteric	* Ovary
* Pancreas	* Pituitary Gland	* Salivary Glands	* Skin
* Stomach, Forestomach	* Stomach, Glandular	* Thyroid Gland	* Trachea
* Urinary Bladder			

MISSING

* Parathyroid Gland

OBSERVATIONS

* Harderian Gland		Adenocarcinoma	
[Adenocarcinoma TGLs = 2-12]			
* Intestine Large, Cecum		Inflammation	Mild
* Liver		Basophilic Focus	
		Clear Cell Focus	
* Lung	Peribronchiolr	Fibrosis	Minimal
	Alv/Bron Epith	Hyperplasia	Lymphoid, Mild
[Hyperplasia TGLs = 3-5]		Hyperplasia	Minimal
* Mammary Gland		Adenocarcinoma	
[Adenocarcinoma TGLs = 1-14]			
* Nose	Olfactory Epi	Accumulation, Hyaline Droplet	Minimal
* Spleen		Hematopoietic Cell Proliferation	Minimal
	Lymph Follic	Hyperplasia	Mild
* Thymus		Hyperplasia	Lymphoid, Mild
* Uterus	Endometrium	Hyperplasia	Cystic, Moderate

PRIMARY CAUSE OF DEATH - Mammary Gland Adenocarcinoma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 10472 - 04
 Test Type: CHRONIC
 Route: RESPIRATORY EXPOSURE WHOLE BODY
 Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 p-Chloro-a,a,a-trifluorotoluene
 CAS Number: 98-56-6

Date Report Requested: 03/25/2016
 Time Report Requested: 09:19:23
 First Dose M/F: 01/31/11 / 01/31/11
 Lab: BNW

ANIMAL ID: 701

TRT#: 8

SEX: Female

DAY ON TEST: 732

DOSE: 400 ppm

DISP: Terminal Sacrifice

HISTO: 63161

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	Blood Vessel	* Bone Marrow	* Brain
* Clitoral Gland	* Esophagus	* Eye	* Harderian Gland
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Larynx
* Lymph Node, Bronchial	* Lymph Node, Mandibular	* Lymph Node, Mediastinal	* Lymph Node, Mesenteric
* Mammary Gland	* Nose	* Ovary	* Pancreas
* Parathyroid Gland	* Pituitary Gland	* Salivary Glands	* Skin
* Stomach, Forestomach	* Stomach, Glandular	* Thyroid Gland	* Trachea
* Urinary Bladder			

MISSING

* Gallbladder

OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Minimal
* Bone		Fibro-Osseous Lesion	Minimal
* Heart		Cardiomyopathy	Minimal
* Kidney		Metaplasia	Osseous, Minimal
		Nephropathy	Mild
* Liver		Eosinophilic Focus	
		Hepatocellular Adenoma	Multiple
	Centrilobular, Hepatocyte	Hypertrophy	Mild
	Hepatocyte	Multinucleated	Minimal
	[Hepatocellular Adenoma TGLs = 1,2,3-6+7+14]		
* Lung	Peribronchiolr	Fibrosis	Minimal
	Alv/Bron Epith	Hyperplasia	Marked
* Spleen	Lymph Follic	Hyperplasia	Minimal
* Thymus		Ectopic Parathyroid Gland	
* Uterus	Endometrium	Hyperplasia	Cystic, Mild

* PROTOCOL REQUIRED TISSUE

Experiment Number: 10472 - 04
 Test Type: CHRONIC
 Route: RESPIRATORY EXPOSURE WHOLE BODY
 Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 p-Chloro-a,a,a-trifluorotoluene
 CAS Number: 98-56-6

Date Report Requested: 03/25/2016
 Time Report Requested: 09:19:23
 First Dose M/F: 01/31/11 / 01/31/11
 Lab: BNW

ANIMAL ID: 702

TRT#: 8

SEX: Female

DAY ON TEST: 596

DOSE: 400 ppm

DISP: Moribund Sacrifice

HISTO: 63162

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	Blood Vessel	* Bone
* Bone Marrow	* Brain	* Clitoral Gland	* Esophagus
* Eye	* Gallbladder	* Harderian Gland	* Heart
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Larynx
* Lymph Node, Bronchial	* Lymph Node, Mandibular	* Lymph Node, Mediastinal	* Lymph Node, Mesenteric
* Mammary Gland	* Nose	* Ovary	* Pancreas
* Parathyroid Gland	* Salivary Glands	* Skin	* Spleen
* Stomach, Forestomach	* Stomach, Glandular	* Thyroid Gland	* Trachea
* Urinary Bladder			

OBSERVATIONS

* Kidney		Nephropathy	Minimal
* Liver		Hepatocellular Adenoma	Multiple
	Centrilobular, Hepatocyte	Hypertrophy	Mild
	Hepatocyte	Multinucleated	Minimal
	[Hepatocellular Adenoma TGLs = 2,3-7+14]		
	[Hypertrophy TGLs = 1-6]		
* Lung	Peribronchiolr	Fibrosis	Minimal
	Alv/Bron Epith	Hyperplasia	Mild
Mesentery	Fat	Necrosis	Mild
	[Necrosis TGLs = 4-14]		
* Pituitary Gland	Pars Distalis	Hyperplasia	Minimal
* Thymus		Atrophy	Moderate
* Uterus	Endometrium	Hyperplasia	Cystic, Mild
		Hyperplasia	Reticulum Cell, Mild

PRIMARY CAUSE OF DEATH - Liver Hepatocellular Adenoma

Experiment Number: 10472 - 04
 Test Type: CHRONIC
 Route: RESPIRATORY EXPOSURE WHOLE BODY
 Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 p-Chloro-a,a,a-trifluorotoluene
 CAS Number: 98-56-6

Date Report Requested: 03/25/2016
 Time Report Requested: 09:19:23
 First Dose M/F: 01/31/11 / 01/31/11
 Lab: BNW

ANIMAL ID: 703

TRT#: 8

SEX: Female

DAY ON TEST: 733

DOSE: 400 ppm

DISP: Terminal Sacrifice

HISTO: 63163

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	Blood Vessel	* Bone Marrow
* Brain	* Clitoral Gland	* Esophagus	* Gallbladder
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Mammary Gland
* Ovary	* Parathyroid Gland	* Salivary Glands	* Skin
* Stomach, Forestomach	* Thymus	* Thyroid Gland	* Trachea
* Urinary Bladder			

OBSERVATIONS

* Bone		Fibro-Osseous Lesion	Minimal
* Eye		Atrophy	Mild
		Cataract	Moderate
		Inflammation	Mild
* Harderian Gland		Adenoma	
	[Adenoma TGLs = 9-12]		
* Heart	Endocardium	Fibrosis	Minimal
* Kidney		Nephropathy	Minimal
* Larynx	Squam Epithel	Hyperplasia	Minimal
	Squam Epithel	Inflammation	Minimal
* Liver		Hepatocellular Adenoma	Multiple
		Hepatocellular Carcinoma	
		Lymphoma Malignant	
	[Hepatocellular Adenoma TGLs = 4,5,6,8-6+14+15]		
	[Hepatocellular Carcinoma TGLs = 7-7]		
* Lung	Peribronchiolr	Fibrosis	Minimal
	Alv/Bron Epith	Hyperplasia	Moderate
Lymph Node	Renal	Lymphoma Malignant	
	[Lymphoma Malignant TGLs = 10-16]		
* Lymph Node, Bronchial		Lymphoma Malignant	
* Lymph Node, Mandibular		Lymphoma Malignant	
	[Lymphoma Malignant TGLs = 1-9]		

* PROTOCOL REQUIRED TISSUE

Experiment Number: 10472 - 04
Test Type: CHRONIC
Route: RESPIRATORY EXPOSURE WHOLE BODY
Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
p-Chloro-a,a,a-trifluorotoluene
CAS Number: 98-56-6

Date Report Requested: 03/25/2016
Time Report Requested: 09:19:23
First Dose M/F: 01/31/11 / 01/31/11
Lab: BNW

ANIMAL ID: 703

TRT#: 8

SEX: Female

DAY ON TEST: 733

DOSE: 400 ppm

DISP: Terminal Sacrifice

HISTO: 63163

ORGAN AND ACCOUNTABLE SITE STATUS

* Lymph Node, Mediastinal		Lymphoma Malignant	
* Lymph Node, Mesenteric		Lymphoma Malignant	
* Nose		Inflammation	Suppurative, Minimal
	Respirat Epith	Metaplasia	Squamous, Minimal
* Pancreas	Acinus	Atrophy	Mild
		Lymphoma Malignant	
* Pituitary Gland	Pars Distalis	Adenoma	
	[Adenoma TGLs = 11-10]		
* Spleen		Lymphoma Malignant	
	[Lymphoma Malignant TGLs = 2-6]		
* Stomach, Glandular		Lymphoma Malignant	
* Uterus	Endometrium	Hyperplasia	Cystic, Marked
	[Hyperplasia TGLs = 3-10]		

Experiment Number: 10472 - 04
 Test Type: CHRONIC
 Route: RESPIRATORY EXPOSURE WHOLE BODY
 Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 p-Chloro-a,a,a-trifluorotoluene
 CAS Number: 98-56-6

Date Report Requested: 03/25/2016
 Time Report Requested: 09:19:23
 First Dose M/F: 01/31/11 / 01/31/11
 Lab: BNW

ANIMAL ID: 704

TRT#: 8

SEX: Female

DAY ON TEST: 731

DOSE: 400 ppm

DISP: Terminal Sacrifice

HISTO: 63164

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	Blood Vessel	* Bone
* Bone Marrow	* Brain	* Clitoral Gland	* Esophagus
* Eye	* Gallbladder	* Harderian Gland	* Heart
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Kidney
* Larynx	* Lymph Node, Bronchial	* Lymph Node, Mandibular	* Lymph Node, Mediastinal
* Lymph Node, Mesenteric	* Mammary Gland	* Nose	* Ovary
* Pancreas	* Pituitary Gland	* Salivary Glands	* Skin
* Stomach, Forestomach	* Stomach, Glandular	* Thymus	* Thyroid Gland
* Trachea	* Urinary Bladder		

MISSING

* Parathyroid Gland

OBSERVATIONS

* Liver		Eosinophilic Focus	
		Hepatoblastoma	
		Hepatocellular Carcinoma	Multiple
	Centrilobular, Hepatocyte	Hypertrophy	Minimal
	[Hepatoblastoma TGLs = 3-16]		
	[Hepatocellular Carcinoma TGLs = 1,2,4,5,7,8,9-6+7+14+15+17+18+19]		
* Lung	Peribronchiolr	Fibrosis	Minimal
	Alv/Bron Epith	Hyperplasia	Moderate
* Spleen	Lymph Follic	Hyperplasia	Minimal
Tongue		Squamous Cell Papilloma	
	[Squamous Cell Papilloma TGLs = 6-20]		
* Uterus	Endometrium	Hyperplasia	Cystic, Moderate

Experiment Number: 10472 - 04
 Test Type: CHRONIC
 Route: RESPIRATORY EXPOSURE WHOLE BODY
 Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 p-Chloro-a,a,a-trifluorotoluene
 CAS Number: 98-56-6

Date Report Requested: 03/25/2016
 Time Report Requested: 09:19:23
 First Dose M/F: 01/31/11 / 01/31/11
 Lab: BNW

ANIMAL ID: 705

TRT#: 8

SEX: Female

DAY ON TEST: 733

DOSE: 400 ppm

DISP: Terminal Sacrifice

HISTO: 63165

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	Blood Vessel	* Bone Marrow
* Brain	* Clitoral Gland	* Esophagus	* Eye
* Heart	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Larynx	* Lymph Node, Bronchial	* Lymph Node, Mediastinal	* Lymph Node, Mesenteric
* Mammary Gland	* Ovary	* Pancreas	* Parathyroid Gland
* Pituitary Gland	* Salivary Glands	* Skin	* Stomach, Forestomach
* Stomach, Glandular	* Thyroid Gland	* Trachea	* Urinary Bladder

MISSING

* Gallbladder	* Lymph Node, Mandibular
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OBSERVATIONS

* Bone		Fibro-Osseous Lesion	
* Harderian Gland		Hyperplasia	Moderate
* Kidney		Nephropathy	Minimal
* Liver		Eosinophilic Focus	
		Hepatocellular Adenoma	Multiple
		Hepatocellular Carcinoma	
	Centrilobular, Hepatocyte	Hypertrophy	Minimal
	[Hepatocellular Adenoma TGLs = 2,3,4,5,6,7,9-6+7+14+15+16+17]		
	[Hepatocellular Carcinoma TGLs = 8-17]		
* Lung	Peribronchiolr	Fibrosis	Minimal
	Alv/Bron Epith	Hyperplasia	Marked
* Nose	Respirat Epith	Accumulation, Hyaline Droplet	Minimal
* Spleen	Lymph Follic	Hyperplasia	Minimal
* Thymus		Ectopic Parathyroid Gland	
* Uterus	Endometrium	Hyperplasia	Cystic, Moderate
	[Hyperplasia TGLs = 1-10]		

Experiment Number: 10472 - 04
 Test Type: CHRONIC
 Route: RESPIRATORY EXPOSURE WHOLE BODY
 Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 p-Chloro-a,a,a-trifluorotoluene
 CAS Number: 98-56-6

Date Report Requested: 03/25/2016
 Time Report Requested: 09:19:23
 First Dose M/F: 01/31/11 / 01/31/11
 Lab: BNW

ANIMAL ID: 706

TRT#: 8

SEX: Female

DAY ON TEST: 724

DOSE: 400 ppm

DISP: Moribund Sacrifice

HISTO: 63166

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	Blood Vessel	* Bone Marrow
* Brain	* Clitoral Gland	* Esophagus	* Eye
* Gallbladder	* Harderian Gland	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Larynx	* Lymph Node, Bronchial	* Lymph Node, Mandibular
* Lymph Node, Mediastinal	* Lymph Node, Mesenteric	* Mammary Gland	* Ovary
* Pancreas	* Parathyroid Gland	* Pituitary Gland	* Salivary Glands
* Skin	* Stomach, Forestomach	* Stomach, Glandular	* Thyroid Gland
* Trachea	* Urinary Bladder		

OBSERVATIONS

* Bone		Hemangiosarcoma	
* Heart		Cardiomyopathy	Mild
* Kidney		Nephropathy	Minimal
* Liver		Eosinophilic Focus	
		Hepatoblastoma	
		Hepatocellular Adenoma	Multiple
		Hepatocellular Carcinoma	Multiple
	Centrilobular, Hepatocyte	Hypertrophy	Minimal
	Hepatocyte	Multinucleated	Minimal
	[Hepatoblastoma TGLs = 2-15]		
	[Hepatocellular Carcinoma TGLs = 1,3,4,5,6-6+14+16+17+18]		
* Lung	Peribronchiolr	Fibrosis	Minimal
	Alv/Bron Epith	Hyperplasia	Moderate
* Nose	Respirat Epith	Accumulation, Hyaline Droplet	Minimal
	Olfactory Epi	Accumulation, Hyaline Droplet	Minimal
* Spleen		Hematopoietic Cell Proliferation	Minimal
* Thymus		Ectopic Parathyroid Gland	
* Uterus	Endometrium	Hyperplasia	Cystic, Mild

PRIMARY CAUSE OF DEATH - Liver Hepatocellular Carcinoma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 10472 - 04
 Test Type: CHRONIC
 Route: RESPIRATORY EXPOSURE WHOLE BODY
 Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 p-Chloro-a,a,a-trifluorotoluene
 CAS Number: 98-56-6

Date Report Requested: 03/25/2016
 Time Report Requested: 09:19:23
 First Dose M/F: 01/31/11 / 01/31/11
 Lab: BNW

ANIMAL ID: 707

TRT#: 8

SEX: Female

DAY ON TEST: 628

DOSE: 400 ppm

DISP: Moribund Sacrifice

HISTO: 63167

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Brain	* Clitoral Gland	* Esophagus	* Eye
* Gallbladder	* Harderian Gland	* Heart	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Kidney	* Larynx
* Lymph Node, Bronchial	* Lymph Node, Mandibular	* Lymph Node, Mediastinal	* Lymph Node, Mesenteric
* Mammary Gland	* Ovary	* Pancreas	* Pituitary Gland
* Salivary Glands	* Skin	* Spleen	* Stomach, Forestomach
* Stomach, Glandular	* Thymus	* Thyroid Gland	* Trachea
* Urinary Bladder			

MISSING

* Parathyroid Gland

OBSERVATIONS

Blood Vessel		Inflammation	Mild
Note: Inflammation involving vessels of the thyroid gland region, kidney, aorta			
* Liver		Eosinophilic Focus	
		Hepatocellular Adenoma	Multiple
	Centrilobular, Hepatocyte	Hypertrophy	Minimal
	Hepatocyte	Necrosis	Minimal
[Hepatocellular Adenoma	TGLs = 2,3,4-7+14+15]		
* Lung		Alveolar/Bronchiolar Adenoma	
	Peribronchiolr	Fibrosis	Minimal
	Alv/Bron Epith	Hyperplasia	Moderate
* Nose	Olfactory Epi	Accumulation, Hyaline Droplet	Minimal
	Respirat Epith	Accumulation, Hyaline Droplet	Minimal
* Uterus	Endometrium	Hyperplasia	Cystic, Moderate
[Hyperplasia	TGLs = 1-10]		

PRIMARY CAUSE OF DEATH - Liver Hepatocellular Adenoma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 10472 - 04
 Test Type: CHRONIC
 Route: RESPIRATORY EXPOSURE WHOLE BODY
 Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 p-Chloro-a,a,a-trifluorotoluene
 CAS Number: 98-56-6

Date Report Requested: 03/25/2016
 Time Report Requested: 09:19:23
 First Dose M/F: 01/31/11 / 01/31/11
 Lab: BNW

ANIMAL ID: 708

TRT#: 8

SEX: Female

DAY ON TEST: 733

DOSE: 400 ppm

DISP: Terminal Sacrifice

HISTO: 63168

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	Blood Vessel	* Bone	* Bone Marrow
* Brain	* Clitoral Gland	* Esophagus	* Eye
* Gallbladder	* Harderian Gland	* Heart	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Kidney	* Larynx
* Lymph Node, Bronchial	* Lymph Node, Mandibular	* Lymph Node, Mediastinal	* Lymph Node, Mesenteric
* Mammary Gland	* Nose	* Pancreas	* Parathyroid Gland
* Pituitary Gland	* Salivary Glands	* Skin	* Stomach, Glandular
* Thyroid Gland	* Trachea	* Urinary Bladder	

OBSERVATIONS

* Adrenal Cortex		Hypertrophy	Minimal
* Liver		Clear Cell Focus	
		Eosinophilic Focus	
		Hepatoblastoma	
		Hepatocellular Adenoma	
		Hepatocellular Carcinoma	Multiple
	[Hepatoblastoma TGLs = 6-7]		
	[Hepatocellular Adenoma TGLs = 5-16]		
	[Hepatocellular Carcinoma TGLs = 1,4,7,8,9-6+14+15+17]		
* Lung	Peribronchiolr	Fibrosis	Minimal
	Alv/Bron Epith	Hyperplasia	Marked
Mesentery	Fat	Necrosis	Mild
	[Necrosis TGLs = 3-18]		
* Ovary		Cyst	Minimal
* Spleen	Lymph Follic	Hyperplasia	Mild
* Stomach, Forestomach		Inflammation	Minimal
* Thymus		Ectopic Parathyroid Gland	
* Uterus	Endometrium	Hyperplasia	Cystic, Moderate
	[Hyperplasia TGLs = 2-10]		

* PROTOCOL REQUIRED TISSUE

Experiment Number: 10472 - 04
 Test Type: CHRONIC
 Route: RESPIRATORY EXPOSURE WHOLE BODY
 Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 p-Chloro-a,a,a-trifluorotoluene
 CAS Number: 98-56-6

Date Report Requested: 03/25/2016
 Time Report Requested: 09:19:23
 First Dose M/F: 01/31/11 / 01/31/11
 Lab: BNW

ANIMAL ID: 709

TRT#: 8

SEX: Female

DAY ON TEST: 733

DOSE: 400 ppm

DISP: Terminal Sacrifice

HISTO: 63169

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	Blood Vessel	* Bone	* Bone Marrow
* Brain	* Clitoral Gland	* Esophagus	* Eye
* Gallbladder	* Harderian Gland	* Heart	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Kidney	* Larynx
* Lymph Node, Bronchial	* Lymph Node, Mandibular	* Lymph Node, Mediastinal	* Lymph Node, Mesenteric
* Mammary Gland	* Ovary	* Pancreas	* Parathyroid Gland
* Pituitary Gland	* Salivary Glands	* Skin	* Spleen
* Stomach, Forestomach	* Stomach, Glandular	* Thyroid Gland	* Trachea
* Urinary Bladder			

OBSERVATIONS

* Adrenal Cortex		Hypertrophy	Minimal
* Liver		Eosinophilic Focus	
		Hepatocellular Adenoma	
		Hepatocellular Carcinoma	Multiple
	Centrilobular, Hepatocyte	Hypertrophy	Minimal
	[Hepatocellular Adenoma TGLs = 4-17]		
	[Hepatocellular Carcinoma TGLs = 1,2,3,5,6-6+7+14+15+16+18]		
* Lung	Peribronchiolr	Fibrosis	Minimal
	Alv/Bron Epith	Hyperplasia	Marked
* Nose	Respirat Epith	Accumulation, Hyaline Droplet	Minimal
		Inflammation	Suppurative, Minimal
	Respirat Epith	Metaplasia	Squamous, Minimal
* Thymus		Ectopic Parathyroid Gland	
* Uterus	Endometrium	Hyperplasia	Cystic, Moderate

Experiment Number: 10472 - 04
 Test Type: CHRONIC
 Route: RESPIRATORY EXPOSURE WHOLE BODY
 Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 p-Chloro-a,a,a-trifluorotoluene
 CAS Number: 98-56-6

Date Report Requested: 03/25/2016
 Time Report Requested: 09:19:23
 First Dose M/F: 01/31/11 / 01/31/11
 Lab: BNW

ANIMAL ID: 710

TRT#: 8

SEX: Female

DAY ON TEST: 733

DOSE: 400 ppm

DISP: Terminal Sacrifice

HISTO: 63170

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	Blood Vessel	* Bone Marrow	* Brain
* Clitoral Gland	* Esophagus	* Eye	* Gallbladder
* Harderian Gland	* Heart	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Kidney	* Larynx	* Lymph Node, Bronchial
* Lymph Node, Mandibular	* Lymph Node, Mediastinal	* Lymph Node, Mesenteric	* Mammary Gland
* Ovary	* Pancreas	* Parathyroid Gland	* Salivary Glands
* Skin	* Stomach, Forestomach	* Stomach, Glandular	* Thymus
* Thyroid Gland	* Trachea	* Urinary Bladder	

OBSERVATIONS

* Adrenal Cortex		Hypertrophy	Mild
* Bone		Fibro-Osseous Lesion	Minimal
* Liver		Eosinophilic Focus	
		Hepatocellular Carcinoma	Multiple
	Centrilobular, Hepatocyte	Hypertrophy	Minimal
	Hepatocyte	Multinucleated	Minimal
	Hepatocyte	Necrosis	Minimal
[Hepatocellular Carcinoma	TGLs = 4,5,6,7,8-6+7+14+15]		
* Lung	Peribronchiolr	Fibrosis	Minimal
	Alv/Bron Epith	Hyperplasia	Moderate
Mesentery	Fat	Necrosis	Mild
[Necrosis	TGLs = 3-16]		
* Nose	Respirat Epith	Accumulation, Hyaline Droplet	Minimal
* Pituitary Gland	Pars Distalis	Hyperplasia	Minimal
* Spleen	Lymph Follic	Hyperplasia	Mild
* Uterus	Endometrium	Hyperplasia	Cystic, Marked
[Hyperplasia	TGLs = 1-10]		

* PROTOCOL REQUIRED TISSUE

Experiment Number: 10472 - 04
 Test Type: CHRONIC
 Route: RESPIRATORY EXPOSURE WHOLE BODY
 Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 p-Chloro-a,a,a-trifluorotoluene
 CAS Number: 98-56-6

Date Report Requested: 03/25/2016
 Time Report Requested: 09:19:23
 First Dose M/F: 01/31/11 / 01/31/11
 Lab: BNW

ANIMAL ID: 711

TRT#: 8

SEX: Female

DAY ON TEST: 716

DOSE: 400 ppm

DISP: Moribund Sacrifice

HISTO: 63171

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	Blood Vessel	* Bone Marrow	* Brain
* Clitoral Gland	* Esophagus	* Eye	* Gallbladder
* Harderian Gland	* Heart	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Kidney	* Larynx	* Lymph Node, Bronchial	* Lymph Node, Mandibular
* Lymph Node, Mediastinal	* Lymph Node, Mesenteric	* Mammary Gland	* Pancreas
* Salivary Glands	* Skin	Spinal Cord	* Stomach, Glandular
* Thyroid Gland	* Trachea	* Urinary Bladder	

MISSING

* Parathyroid Gland

OBSERVATIONS

* Adrenal Cortex		Vacuolization Cytoplasmic	Minimal
* Bone		Fibro-Osseous Lesion	Minimal
* Islets, Pancreatic		Hyperplasia	Minimal
* Liver		Eosinophilic Focus	
		Hepatocellular Carcinoma	Multiple
	Centrilobular, Hepatocyte	Hypertrophy	Mild
	Hepatocyte	Multinucleated	Minimal
	Hepatocyte	Necrosis	Minimal
	[Hepatocellular Carcinoma TGLs = 1,2,3,4-6+14+15+16]		
* Lung	Peribronchiolr	Fibrosis	Minimal
	Alv/Bron Epith	Hyperplasia	Mild
* Nose		Inflammation	Suppurative, Minimal
* Ovary		Cyst	Minimal
	[Cyst TGLs = 5-9]		
	Peripheral Nerve	Degeneration	Minimal
* Pituitary Gland	Pars Distalis	Hyperplasia	Minimal
	Skeletal Muscle	Degeneration	Minimal
* Spleen	Lymph Follic	Hyperplasia	Minimal
* Stomach, Forestomach	Epithelium	Hyperplasia	Minimal

* PROTOCOL REQUIRED TISSUE

Experiment Number: 10472 - 04
Test Type: CHRONIC
Route: RESPIRATORY EXPOSURE WHOLE BODY
Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
p-Chloro-a,a,a-trifluorotoluene
CAS Number: 98-56-6

Date Report Requested: 03/25/2016
Time Report Requested: 09:19:23
First Dose M/F: 01/31/11 / 01/31/11
Lab: BNW

ANIMAL ID: 711

TRT#: 8

SEX: Female

DAY ON TEST: 716

DOSE: 400 ppm

DISP: Moribund Sacrifice

HISTO: 63171

ORGAN AND ACCOUNTABLE SITE STATUS

	Epithelium	Inflammation	Mild
* Thymus		Ulcer	Mild
* Uterus		Atrophy	Mild
	Endometrium	Adenocarcinoma	
		Hyperplasia	Cystic, Marked
	[Adenocarcinoma TGLs = 7-10]		
	[Hyperplasia TGLs = 6-10]		

PRIMARY CAUSE OF DEATH - Liver Hepatocellular Carcinoma

Experiment Number: 10472 - 04
 Test Type: CHRONIC
 Route: RESPIRATORY EXPOSURE WHOLE BODY
 Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 p-Chloro-a,a,a-trifluorotoluene
 CAS Number: 98-56-6

Date Report Requested: 03/25/2016
 Time Report Requested: 09:19:23
 First Dose M/F: 01/31/11 / 01/31/11
 Lab: BNW

ANIMAL ID: 712

TRT#: 8

SEX: Female

DAY ON TEST: 374

DOSE: 400 ppm

DISP: Moribund Sacrifice

HISTO: 63172

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	Blood Vessel	* Bone
* Brain	* Clitoral Gland	* Esophagus	* Eye
* Gallbladder	* Harderian Gland	* Heart	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Kidney	* Larynx
* Lymph Node, Bronchial	* Lymph Node, Mediastinal	* Lymph Node, Mesenteric	* Mammary Gland
* Nose	* Ovary	* Pancreas	* Pituitary Gland
* Salivary Glands	* Stomach, Forestomach	* Stomach, Glandular	* Thyroid Gland
* Trachea	* Urinary Bladder		

MISSING

* Parathyroid Gland

OBSERVATIONS

* Bone Marrow		Hyperplasia	Minimal
* Liver	Hepatocyte	Multinucleated	Minimal
	Hepatocyte	Necrosis	Minimal
* Lung		Fibrosarcoma	Metastatic (Skin)
	Peribronchiolr	Fibrosis	Minimal
	Alv/Bron Epith	Hyperplasia	Minimal
* Lymph Node, Mandibular		Hyperplasia	Lymphoid, Minimal
* Skin	Subcut Tiss	Fibrosarcoma	
	[Fibrosarcoma TGLs = 1-14]		
* Spleen	Lymph Follic	Hyperplasia	Minimal
* Thymus		Hyperplasia	Lymphoid, Mild
* Uterus	Endometrium	Hyperplasia	Cystic, Moderate
	[Hyperplasia TGLs = 2-10]		

PRIMARY CAUSE OF DEATH - Skin Subcut Tiss Fibrosarcoma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 10472 - 04
 Test Type: CHRONIC
 Route: RESPIRATORY EXPOSURE WHOLE BODY
 Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 p-Chloro-a,a,a-trifluorotoluene
 CAS Number: 98-56-6

Date Report Requested: 03/25/2016
 Time Report Requested: 09:19:23
 First Dose M/F: 01/31/11 / 01/31/11
 Lab: BNW

ANIMAL ID: 713

TRT#: 8

SEX: Female

DAY ON TEST: 732

DOSE: 400 ppm

DISP: Terminal Sacrifice

HISTO: 63173

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- | | | | |
|----------------------------|---------------------------|-----------------------------|--------------------------|
| * Adrenal Cortex | * Adrenal Medulla | * Bone | * Bone Marrow |
| * Brain | * Clitoral Gland | * Esophagus | * Eye |
| * Gallbladder | * Harderian Gland | * Heart | * Intestine Large, Cecum |
| * Intestine Large, Colon | * Intestine Large, Rectum | * Intestine Small, Duodenum | * Intestine Small, Ileum |
| * Intestine Small, Jejunum | * Islets, Pancreatic | * Kidney | * Larynx |
| * Lymph Node, Bronchial | * Lymph Node, Mandibular | * Lymph Node, Mediastinal | * Lymph Node, Mesenteric |
| * Mammary Gland | * Nose | * Ovary | * Pancreas |
| * Parathyroid Gland | * Pituitary Gland | * Salivary Glands | * Skin |
| * Stomach, Glandular | * Thymus | * Thyroid Gland | * Trachea |
| * Urinary Bladder | | | |

OBSERVATIONS

- | | | | |
|--|---|--------------------------|-----------------|
| Blood Vessel | | Inflammation | Minimal |
| Note: Inflammation involves vessels of the glandular stomach | | | |
| * Liver | | Clear Cell Focus | |
| | | Eosinophilic Focus | |
| | | Hepatocellular Adenoma | Multiple |
| | | Hepatocellular Carcinoma | Multiple |
| | Centrilobular, Hepatocyte | Hypertrophy | Minimal |
| | Hepatocyte | Multinucleated | Minimal |
| | [Hepatocellular Adenoma TGLs = 4,5,8,9-6+7+17+18+19+22] | | |
| | [Hepatocellular Carcinoma TGLs = 1,2,3,6-14+15+16+21] | | |
| * Lung | Peribronchiolr | Fibrosis | Minimal |
| | Alv/Bron Epith | Hyperplasia | Moderate |
| * Spleen | | Lymphoma Malignant | |
| | [Lymphoma Malignant TGLs = 10-6] | | |
| * Stomach, Forestomach | | Hemangioma | |
| | Epithelium | Hyperplasia | Minimal |
| | [Hemangioma TGLs = 11-10] | | |
| * Uterus | Endometrium | Hyperplasia | Cystic, Minimal |

* PROTOCOL REQUIRED TISSUE

Experiment Number: 10472 - 04
 Test Type: CHRONIC
 Route: RESPIRATORY EXPOSURE WHOLE BODY
 Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 p-Chloro-a,a,a-trifluorotoluene
 CAS Number: 98-56-6

Date Report Requested: 03/25/2016
 Time Report Requested: 09:19:23
 First Dose M/F: 01/31/11 / 01/31/11
 Lab: BNW

ANIMAL ID: 714

TRT#: 8

SEX: Female

DAY ON TEST: 731

DOSE: 400 ppm

DISP: Terminal Sacrifice

HISTO: 63174

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	Blood Vessel	* Bone Marrow
* Brain	* Clitoral Gland	* Esophagus	* Eye
* Gallbladder	* Harderian Gland	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Larynx	* Lymph Node, Bronchial	* Lymph Node, Mandibular
* Lymph Node, Mediastinal	* Lymph Node, Mesenteric	* Mammary Gland	* Ovary
* Pancreas	* Parathyroid Gland	* Pituitary Gland	* Salivary Glands
* Skin	* Stomach, Glandular	* Thymus	* Thyroid Gland
* Trachea	* Urinary Bladder		

OBSERVATIONS

* Bone		Fibro-Osseous Lesion	Minimal
* Heart		Cardiomyopathy	Minimal
* Kidney		Nephropathy	Minimal
* Liver		Eosinophilic Focus	
		Hepatoblastoma	
		Hepatocellular Adenoma	
		Hepatocellular Carcinoma	Multiple
	Centrilobular, Hepatocyte	Hypertrophy	Minimal
		Mixed Cell Focus	
	Hepatocyte	Multinucleated	Minimal
	[Hepatoblastoma TGLs = 3-16]		
	[Hepatocellular Adenoma TGLs = 4-17]		
	[Hepatocellular Carcinoma TGLs = 1,2,5,6,7,8,9,10-6+14+15+18+19+20+21+22]		
* Lung	Peribronchiolr	Fibrosis	Minimal
	Alv/Bron Epith	Hyperplasia	Moderate
Mesentery	Fat	Necrosis	Mild
	[Necrosis TGLs = 11-7]		
* Nose	Respirat Epith	Accumulation, Hyaline Droplet	Minimal
* Spleen	Lymph Follic	Hyperplasia	Mild
* Stomach, Forestomach		Squamous Cell Papilloma	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 10472 - 04
Test Type: CHRONIC
Route: RESPIRATORY EXPOSURE WHOLE BODY
Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
p-Chloro-a,a,a-trifluorotoluene
CAS Number: 98-56-6

Date Report Requested: 03/25/2016
Time Report Requested: 09:19:23
First Dose M/F: 01/31/11 / 01/31/11
Lab: BNW

ANIMAL ID: 714

TRT#: 8

SEX: Female

DAY ON TEST: 731

DOSE: 400 ppm

DISP: Terminal Sacrifice

HISTO: 63174

ORGAN AND ACCOUNTABLE SITE STATUS

[Squamous Cell Papilloma TGLs = 12-10]

* Uterus

Endometrium

Hyperplasia

Cystic, Marked

Experiment Number: 10472 - 04
 Test Type: CHRONIC
 Route: RESPIRATORY EXPOSURE WHOLE BODY
 Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 p-Chloro-a,a,a-trifluorotoluene
 CAS Number: 98-56-6

Date Report Requested: 03/25/2016
 Time Report Requested: 09:19:23
 First Dose M/F: 01/31/11 / 01/31/11
 Lab: BNW

ANIMAL ID: 715

TRT#: 8

SEX: Female

DAY ON TEST: 673

DOSE: 400 ppm

DISP: Moribund Sacrifice

HISTO: 63175

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	Blood Vessel	* Bone Marrow
* Brain	* Clitoral Gland	* Esophagus	* Eye
* Gallbladder	* Harderian Gland	* Heart	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Larynx	* Lymph Node, Mandibular
* Lymph Node, Mediastinal	* Lymph Node, Mesenteric	* Mammary Gland	* Nose
* Ovary	* Pancreas	* Parathyroid Gland	* Pituitary Gland
* Salivary Glands	* Skin	* Stomach, Glandular	* Thymus
* Trachea	* Urinary Bladder		

OBSERVATIONS

* Bone		Fibro-Osseous Lesion	Mild
* Kidney		Nephropathy	Minimal
* Liver		Hepatoblastoma	
		Hepatocellular Adenoma	Multiple
		Histiocytic Sarcoma	
	Centrilobular, Hepatocyte	Hypertrophy	Minimal
	[Hepatoblastoma TGLs = 8-16]		
	[Hepatocellular Adenoma TGLs = 4,5,6,7-6+7+14+15]		
	[Histiocytic Sarcoma TGLs = 9-6+7+14+15+16]		
* Lung	Peribronchiolr	Fibrosis	Minimal
	Alv/Bron Epith	Hyperplasia	Mild
Lymph Node	Iliac	Ectasia	Mild
	[Ectasia TGLs = 3-17]		
* Lymph Node, Bronchial		Hepatocellular Carcinoma	Metastatic (Liver)
* Spleen		Hematopoietic Cell Proliferation	Mild
	Lymph Follic	Hyperplasia	Minimal
* Stomach, Forestomach	Epithelium	Hyperplasia	Minimal
		Inflammation	Minimal
* Thyroid Gland	Follicular Cel	Adenoma	
* Uterus		Histiocytic Sarcoma	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 10472 - 04
Test Type: CHRONIC
Route: RESPIRATORY EXPOSURE WHOLE BODY
Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
p-Chloro-a,a,a-trifluorotoluene
CAS Number: 98-56-6

Date Report Requested: 03/25/2016
Time Report Requested: 09:19:23
First Dose M/F: 01/31/11 / 01/31/11
Lab: BNW

ANIMAL ID: 715

TRT#: 8

SEX: Female

DAY ON TEST: 673

DOSE: 400 ppm

DISP: Moribund Sacrifice

HISTO: 63175

ORGAN AND ACCOUNTABLE SITE STATUS

[Histiocytic Sarcoma TGLs = 2-18]

PRIMARY CAUSE OF DEATH - Liver Histiocytic Sarcoma

Experiment Number: 10472 - 04
 Test Type: CHRONIC
 Route: RESPIRATORY EXPOSURE WHOLE BODY
 Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 p-Chloro-a,a,a-trifluorotoluene
 CAS Number: 98-56-6

Date Report Requested: 03/25/2016
 Time Report Requested: 09:19:23
 First Dose M/F: 01/31/11 / 01/31/11
 Lab: BNW

ANIMAL ID: 716

TRT#: 8

SEX: Female

DAY ON TEST: 732

DOSE: 400 ppm

DISP: Terminal Sacrifice

HISTO: 63176

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	Blood Vessel	* Bone
* Bone Marrow	* Brain	* Clitoral Gland	* Esophagus
* Gallbladder	* Heart	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Larynx	* Lymph Node, Bronchial	* Lymph Node, Mandibular
* Lymph Node, Mediastinal	* Lymph Node, Mesenteric	* Mammary Gland	* Ovary
* Parathyroid Gland	* Pituitary Gland	* Salivary Glands	* Skin
* Stomach, Forestomach	* Stomach, Glandular	* Thyroid Gland	* Trachea
* Urinary Bladder			

OBSERVATIONS

* Eye	Cornea	Hyperplasia	Minimal
		Inflammation	Minimal
	[Inflammation TGLs = 7-12]		
* Harderian Gland		Adenoma	
	[Adenoma TGLs = 9-12]		
* Kidney		Nephropathy	Minimal
* Liver		Eosinophilic Focus	
	Centrilobular, Hepatocyte	Hepatocellular Carcinoma	Multiple
		Hypertrophy	Minimal
	[Eosinophilic Focus TGLs = 6-7]		
	[Hepatocellular Carcinoma TGLs = 1,2,3,4,5-6+14+15+17]		
* Lung	Peribronchiolr	Fibrosis	Minimal
		Hepatocellular Carcinoma	Metastatic (Liver)
	Alv/Bron Epith	Hyperplasia	Marked
* Nose	Olfactory Epi	Accumulation, Hyaline Droplet	Minimal
* Pancreas	Acinus	Atrophy	Minimal
* Spleen		Hematopoietic Cell Proliferation	Mild
	Lymph Follic	Hyperplasia	Minimal
* Thymus		Ectopic Parathyroid Gland	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 10472 - 04
Test Type: CHRONIC
Route: RESPIRATORY EXPOSURE WHOLE BODY
Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
p-Chloro-a,a,a-trifluorotoluene
CAS Number: 98-56-6

Date Report Requested: 03/25/2016
Time Report Requested: 09:19:23
First Dose M/F: 01/31/11 / 01/31/11
Lab: BNW

ANIMAL ID: 716

TRT#: 8

SEX: Female

DAY ON TEST: 732

DOSE: 400 ppm

DISP: Terminal Sacrifice

HISTO: 63176

ORGAN AND ACCOUNTABLE SITE STATUS

* Uterus

Endometrium

Hyperplasia

Cystic, Moderate

Polyp Stromal

[Polyp Stromal TGLs = 8-10]

Experiment Number: 10472 - 04
 Test Type: CHRONIC
 Route: RESPIRATORY EXPOSURE WHOLE BODY
 Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 p-Chloro-a,a,a-trifluorotoluene
 CAS Number: 98-56-6

Date Report Requested: 03/25/2016
 Time Report Requested: 09:19:23
 First Dose M/F: 01/31/11 / 01/31/11
 Lab: BNW

ANIMAL ID: 717

TRT#: 8

SEX: Female

DAY ON TEST: 530

DOSE: 400 ppm

DISP: Moribund Sacrifice

HISTO: 63177

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	Blood Vessel	* Bone	* Brain
* Clitoral Gland	* Esophagus	* Eye	* Gallbladder
* Harderian Gland	* Heart	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Larynx	* Lymph Node, Bronchial	* Lymph Node, Mandibular	* Lymph Node, Mediastinal
* Lymph Node, Mesenteric	* Mammary Gland	* Ovary	* Pancreas
* Salivary Glands	Skeletal Muscle	* Skin	Spinal Cord
* Stomach, Forestomach	* Thyroid Gland	* Trachea	* Urinary Bladder
* Uterus			

MISSING

* Parathyroid Gland

OBSERVATIONS

* Adrenal Cortex		Hypertrophy	Minimal
* Bone Marrow		Hyperplasia	Minimal
* Intestine Small, Duodenum		Inflammation	Mild
[Inflammation TGLs = 4-8]			
* Kidney		Nephropathy	Minimal
* Liver		Eosinophilic Focus	
		Hepatocellular Adenoma	Multiple
	Hepatocyte	Multinucleated	Minimal
[Eosinophilic Focus TGLs = 2,5-14+15]			
[Hepatocellular Adenoma TGLs = 6,7-6+7]			
* Lung	Peribronchiolr	Fibrosis	Minimal
	Alv/Bron Epith	Hyperplasia	Marked
* Nose	Respirat Epith	Accumulation, Hyaline Droplet	Minimal
Peripheral Nerve		Degeneration	Minimal
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLs = 1-10]			
* Spleen	Red Pulp	Hyperplasia	Mast Cell, Mild
* Stomach, Glandular		Hyperplasia	Mast Cell, Minimal

* PROTOCOL REQUIRED TISSUE

Experiment Number: 10472 - 04
Test Type: CHRONIC
Route: RESPIRATORY EXPOSURE WHOLE BODY
Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

p-Chloro-a,a,a-trifluorotoluene

CAS Number: 98-56-6

Date Report Requested: 03/25/2016

Time Report Requested: 09:19:23

First Dose M/F: 01/31/11 / 01/31/11

Lab: BNW

ANIMAL ID: 717

TRT#: 8

SEX: Female

DAY ON TEST: 530

DOSE: 400 ppm

DISP: Moribund Sacrifice

HISTO: 63177

ORGAN AND ACCOUNTABLE SITE STATUS

* Thymus

Atrophy

Minimal

PRIMARY CAUSE OF DEATH

- Pituitary Gland Pars Distalis Adenoma

Experiment Number: 10472 - 04
 Test Type: CHRONIC
 Route: RESPIRATORY EXPOSURE WHOLE BODY
 Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 p-Chloro-a,a,a-trifluorotoluene
 CAS Number: 98-56-6

Date Report Requested: 03/25/2016
 Time Report Requested: 09:19:23
 First Dose M/F: 01/31/11 / 01/31/11
 Lab: BNW

ANIMAL ID: 718

TRT#: 8

SEX: Female

DAY ON TEST: 685

DOSE: 400 ppm

DISP: Natural Death

HISTO: 63178

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	Blood Vessel	* Bone
* Bone Marrow	* Brain	* Clitoral Gland	* Esophagus
* Eye	* Gallbladder	* Harderian Gland	* Heart
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Lymph Node, Bronchial
* Mammary Gland	* Ovary	* Pancreas	* Parathyroid Gland
* Pituitary Gland	* Salivary Glands	* Skin	* Stomach, Forestomach
* Stomach, Glandular	* Thyroid Gland	* Trachea	* Urinary Bladder

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Kidney		Nephropathy	Minimal
* Larynx	Squam Epithel	Hyperplasia	Minimal
	Squam Epithel	Inflammation	Minimal
* Liver		Eosinophilic Focus	
		Hepatoblastoma	
		Hepatocellular Adenoma	Multiple
		Hepatocellular Carcinoma	Multiple
	Centrilobular, Hepatocyte	Hypertrophy	Minimal
	Hepatocyte	Necrosis	Mild
	[Hepatoblastoma TGLs = 5-6]		
	[Hepatocellular Adenoma TGLs = 7,8,9-6+14+15]		
	[Hepatocellular Carcinoma TGLs = 5,6-6+7]		
* Lung	Peribronchiolr	Fibrosis	Minimal
		Hepatocellular Carcinoma	Metastatic (Liver)
	Alv/Bron Epith	Hyperplasia	Mild
* Lymph Node, Mediastinal		Hyperplasia	Lymphoid, Minimal
	[Hyperplasia TGLs = 1-4]		
* Lymph Node, Mesenteric		Hemangiosarcoma	
	[Hemangiosarcoma TGLs = 4-16]		

* PROTOCOL REQUIRED TISSUE

Experiment Number: 10472 - 04
Test Type: CHRONIC
Route: RESPIRATORY EXPOSURE WHOLE BODY
Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

p-Chloro-a,a,a-trifluorotoluene

CAS Number: 98-56-6

Date Report Requested: 03/25/2016

Time Report Requested: 09:19:23

First Dose M/F: 01/31/11 / 01/31/11

Lab: BNW

ANIMAL ID: 718

TRT#: 8

SEX: Female

DAY ON TEST: 685

DOSE: 400 ppm

DISP: Natural Death

HISTO: 63178

ORGAN AND ACCOUNTABLE SITE STATUS

* Nose	Respirat Epith	Accumulation, Hyaline Droplet	Minimal
* Spleen	[Hematopoietic Cell Proliferation TGLs = 3-6]	Hematopoietic Cell Proliferation	Moderate
* Thymus		Atrophy	Mild
		Ectopic Parathyroid Gland	
* Uterus	Endometrium	Hyperplasia	Cystic, Minimal

PRIMARY CAUSE OF DEATH - Lymph Node, Mesenteric Hemangiosarcoma

Experiment Number: 10472 - 04
 Test Type: CHRONIC
 Route: RESPIRATORY EXPOSURE WHOLE BODY
 Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 p-Chloro-a,a,a-trifluorotoluene
 CAS Number: 98-56-6

Date Report Requested: 03/25/2016
 Time Report Requested: 09:19:23
 First Dose M/F: 01/31/11 / 01/31/11
 Lab: BNW

ANIMAL ID: 719

TRT#: 8

SEX: Female

DAY ON TEST: 733

DOSE: 400 ppm

DISP: Terminal Sacrifice

HISTO: 63179

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	Blood Vessel	* Bone
* Bone Marrow	* Brain	* Clitoral Gland	* Esophagus
* Eye	* Gallbladder	* Harderian Gland	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Kidney	* Larynx
* Lymph Node, Bronchial	* Lymph Node, Mandibular	* Lymph Node, Mediastinal	* Lymph Node, Mesenteric
* Mammary Gland	* Pancreas	* Parathyroid Gland	* Salivary Glands
* Skin	* Spleen	* Stomach, Forestomach	* Stomach, Glandular
* Thyroid Gland	* Trachea	* Urinary Bladder	

OBSERVATIONS

* Heart		Cardiomyopathy	Minimal
* Liver		Hepatocellular Adenoma	Multiple
		Hepatocellular Carcinoma	Multiple
	Centrilobular, Hepatocyte	Hypertrophy	Mild
	Hepatocyte	Multinucleated	Minimal
	[Hepatocellular Adenoma TGLs = 2,3,6-6+7]		
	[Hepatocellular Carcinoma TGLs = 1,4,5-6+14+15]		
* Lung	Peribronchiolr	Fibrosis	Minimal
	Alv/Bron Epith	Hyperplasia	Marked
* Nose	Respirat Epith	Accumulation, Hyaline Droplet	Minimal
* Ovary		Tubulostromal Adenoma	
* Pituitary Gland	Pars Distalis	Hyperplasia	Minimal
* Thymus		Ectopic Parathyroid Gland	
* Uterus	Endometrium	Hyperplasia	Cystic, Moderate

Experiment Number: 10472 - 04
 Test Type: CHRONIC
 Route: RESPIRATORY EXPOSURE WHOLE BODY
 Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 p-Chloro-a,a,a-trifluorotoluene
 CAS Number: 98-56-6

Date Report Requested: 03/25/2016
 Time Report Requested: 09:19:23
 First Dose M/F: 01/31/11 / 01/31/11
 Lab: BNW

ANIMAL ID: 720

TRT#: 8

SEX: Female

DAY ON TEST: 731

DOSE: 400 ppm

DISP: Terminal Sacrifice

HISTO: 63180

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	Blood Vessel	* Bone
* Bone Marrow	* Brain	* Clitoral Gland	* Esophagus
* Eye	* Gallbladder	* Harderian Gland	* Heart
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Kidney
* Larynx	* Lymph Node, Bronchial	* Lymph Node, Mediastinal	* Lymph Node, Mesenteric
* Mammary Gland	* Nose	* Pancreas	* Parathyroid Gland
* Pituitary Gland	* Salivary Glands	* Skin	* Stomach, Glandular
* Thyroid Gland	* Trachea	* Urinary Bladder	

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Liver	Centrilobular, Hepatocyte	Hepatocellular Adenoma Hypertrophy	Multiple Mild
[Hepatocellular Adenoma	TGLs = 1,2-6+14]		
* Lung	Peribronchiolar Alv/Bron Epith Alveolus	Alveolar/Bronchiolar Adenoma Fibrosis Hyperplasia Infiltration Cellular	Minimal Marked Histiocyte, Mild
[Alveolar/Bronchiolar Adenoma	TGLs = 3-5]		
[Infiltration Cellular	TGLs = 4-5]		
* Ovary		Granulosa Cell Tumor Benign	
* Spleen	Lymph Follicle	Hyperplasia	Minimal
* Stomach, Forestomach	Epithelium	Hyperplasia	Minimal
* Thymus		Ectopic Parathyroid Gland	
* Uterus	Endometrium	Hyperplasia	Cystic, Mild

Experiment Number: 10472 - 04
 Test Type: CHRONIC
 Route: RESPIRATORY EXPOSURE WHOLE BODY
 Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 p-Chloro-a,a,a-trifluorotoluene
 CAS Number: 98-56-6

Date Report Requested: 03/25/2016
 Time Report Requested: 09:19:23
 First Dose M/F: 01/31/11 / 01/31/11
 Lab: BNW

ANIMAL ID: 721

TRT#: 8

SEX: Female

DAY ON TEST: 731

DOSE: 400 ppm

DISP: Terminal Sacrifice

HISTO: 63181

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	Blood Vessel	* Bone	* Bone Marrow
* Brain	* Clitoral Gland	* Esophagus	* Eye
* Gallbladder	* Harderian Gland	* Heart	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Larynx	* Lymph Node, Bronchial
* Lymph Node, Mandibular	* Lymph Node, Mediastinal	* Lymph Node, Mesenteric	* Nose
* Ovary	* Pancreas	* Salivary Glands	* Skin
* Spleen	* Stomach, Forestomach	* Stomach, Glandular	* Thymus
* Thyroid Gland	* Trachea	* Urinary Bladder	

MISSING

* Parathyroid Gland

OBSERVATIONS

* Adrenal Cortex		Hypertrophy	Minimal
* Kidney		Nephropathy	Minimal
* Liver		Hepatocellular Carcinoma	Multiple
	Centrilobular, Hepatocyte	Hypertrophy	Minimal
	[Hepatocellular Carcinoma TGLs = 1,2,3,4,5,6,7-6+14+15+16+17+18]		
* Lung	Peribronchiolr	Fibrosis	Minimal
	Alv/Bron Epith	Hyperplasia	Marked
* Mammary Gland		Hyperplasia	Minimal
Mesentery	Fat	Necrosis	Mild
	[Necrosis TGLs = 9-7]		
* Pituitary Gland	Pars Distalis	Angiectasis	Minimal
	[Angiectasis TGLs = 8-10]		
* Uterus	Endometrium	Hyperplasia	Cystic, Mild

* PROTOCOL REQUIRED TISSUE

Experiment Number: 10472 - 04
 Test Type: CHRONIC
 Route: RESPIRATORY EXPOSURE WHOLE BODY
 Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 p-Chloro-a,a,a-trifluorotoluene
 CAS Number: 98-56-6

Date Report Requested: 03/25/2016
 Time Report Requested: 09:19:23
 First Dose M/F: 01/31/11 / 01/31/11
 Lab: BNW

ANIMAL ID: 722

TRT#: 8

SEX: Female

DAY ON TEST: 719

DOSE: 400 ppm

DISP: Moribund Sacrifice

HISTO: 63182

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	Blood Vessel	* Bone Marrow	* Brain
* Clitoral Gland	* Esophagus	* Eye	* Gallbladder
* Harderian Gland	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Kidney	* Lymph Node, Bronchial	* Lymph Node, Mandibular	* Lymph Node, Mesenteric
* Mammary Gland	* Ovary	* Pancreas	* Parathyroid Gland
* Pituitary Gland	* Salivary Glands	* Skin	* Stomach, Forestomach
* Stomach, Glandular	* Thyroid Gland	* Trachea	* Urinary Bladder

MISSING

* Lymph Node, Mediastinal

OBSERVATIONS

* Adrenal Cortex		Hypertrophy	Minimal
* Bone	Vertebra	Osteosarcoma	
	[Osteosarcoma TGLs = 3-17]		
* Heart		Cardiomyopathy	Mild
* Larynx	Squam Epithel	Hyperplasia	Minimal
* Liver		Eosinophilic Focus	
		Hepatocellular Adenoma	
		Hepatocellular Carcinoma	Multiple
	Centrilobular, Hepatocyte	Hypertrophy	Minimal
	Hepatocyte	Multinucleated	Minimal
	Note: slide 16; oncogene "non-mass liver" contains a small portion of a hepatocellular carcinoma		
	[Hepatocellular Adenoma TGLs = 2-15]		
	[Hepatocellular Carcinoma TGLs = 1-14]		
* Lung	Peribronchiolr	Fibrosis	Minimal
	Alv/Bron Epith	Hyperplasia	Moderate
* Nose	Respirat Epith	Accumulation, Hyaline Droplet	Minimal
	Olfactory Epi	Accumulation, Hyaline Droplet	Minimal
* Spleen		Hematopoietic Cell Proliferation	Minimal
	Lymph Follic	Hyperplasia	Minimal

* PROTOCOL REQUIRED TISSUE

Experiment Number: 10472 - 04
Test Type: CHRONIC
Route: RESPIRATORY EXPOSURE WHOLE BODY
Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
p-Chloro-a,a,a-trifluorotoluene
CAS Number: 98-56-6

Date Report Requested: 03/25/2016
Time Report Requested: 09:19:23
First Dose M/F: 01/31/11 / 01/31/11
Lab: BNW

ANIMAL ID: 722

TRT#: 8

SEX: Female

DAY ON TEST: 719

DOSE: 400 ppm

DISP: Moribund Sacrifice

HISTO: 63182

ORGAN AND ACCOUNTABLE SITE STATUS

* Thymus

Atrophy

Mild

* Uterus

Endometrium

Hyperplasia

Cystic, Marked

[Hyperplasia TGLs = 4-10]

PRIMARY CAUSE OF DEATH

- Liver Hepatocellular Carcinoma

Experiment Number: 10472 - 04
 Test Type: CHRONIC
 Route: RESPIRATORY EXPOSURE WHOLE BODY
 Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 p-Chloro-a,a,a-trifluorotoluene
 CAS Number: 98-56-6

Date Report Requested: 03/25/2016
 Time Report Requested: 09:19:23
 First Dose M/F: 01/31/11 / 01/31/11
 Lab: BNW

ANIMAL ID: 723

TRT#: 8

SEX: Female

DAY ON TEST: 648

DOSE: 400 ppm

DISP: Moribund Sacrifice

HISTO: 63183

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	Blood Vessel	* Bone	* Bone Marrow
* Clitoral Gland	* Esophagus	* Eye	* Gallbladder
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Larynx
* Lymph Node, Bronchial	* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Mammary Gland
* Nose	* Ovary	* Pituitary Gland	* Salivary Glands
* Skin	* Spleen	* Stomach, Forestomach	* Stomach, Glandular
* Thyroid Gland	* Trachea	* Urinary Bladder	

MISSING

* Parathyroid Gland

OBSERVATIONS

* Adrenal Medulla		Hyperplasia	Minimal
* Brain		Degeneration	Minimal
* Harderian Gland		Adenoma	
[Adenoma TGLs = 2-12]			
* Heart		Inflammation	Minimal
		Thrombosis	Mild
* Kidney		Infarct	Mild
* Liver		Eosinophilic Focus	
		Hepatocellular Adenoma	Multiple
[Hepatocellular Adenoma TGLs = 3,4,6-6+7+14]			
* Lung		Alveolar/Bronchiolar Carcinoma	
	Peribronchiolar	Fibrosis	Minimal
	Alv/Bron Epith	Hyperplasia	Mild
[Alveolar/Bronchiolar Carcinoma TGLs = 1-5]			
* Lymph Node, Mediastinal		Alveolar/Bronchiolar Carcinoma	Metastatic (Lung)
Mesentery	Fat	Necrosis	Mild
[Necrosis TGLs = 5-15]			
* Pancreas	Acinus	Hypertrophy	Minimal
* Thymus		Atrophy	Mild

* PROTOCOL REQUIRED TISSUE

Experiment Number: 10472 - 04
Test Type: CHRONIC
Route: RESPIRATORY EXPOSURE WHOLE BODY
Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
p-Chloro-a,a,a-trifluorotoluene
CAS Number: 98-56-6

Date Report Requested: 03/25/2016
Time Report Requested: 09:19:23
First Dose M/F: 01/31/11 / 01/31/11
Lab: BNW

ANIMAL ID: 723

TRT#: 8

SEX: Female

DAY ON TEST: 648

DOSE: 400 ppm

DISP: Moribund Sacrifice

HISTO: 63183

ORGAN AND ACCOUNTABLE SITE STATUS

* Uterus

Endometrium

Hyperplasia

Cystic, Marked

PRIMARY CAUSE OF DEATH

- Lung Alveolar/Bronchiolar Carcinoma

Experiment Number: 10472 - 04
 Test Type: CHRONIC
 Route: RESPIRATORY EXPOSURE WHOLE BODY
 Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 p-Chloro-a,a,a-trifluorotoluene
 CAS Number: 98-56-6

Date Report Requested: 03/25/2016
 Time Report Requested: 09:19:23
 First Dose M/F: 01/31/11 / 01/31/11
 Lab: BNW

ANIMAL ID: 724

TRT#: 8

SEX: Female

DAY ON TEST: 732

DOSE: 400 ppm

DISP: Terminal Sacrifice

HISTO: 63184

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	Blood Vessel	* Bone	* Bone Marrow
* Brain	* Clitoral Gland	* Esophagus	* Eye
* Gallbladder	* Harderian Gland	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Larynx	* Lymph Node, Bronchial	* Lymph Node, Mandibular
* Lymph Node, Mediastinal	* Lymph Node, Mesenteric	* Mammary Gland	* Ovary
* Pancreas	* Parathyroid Gland	* Pituitary Gland	* Salivary Glands
* Skin	* Stomach, Glandular	* Thyroid Gland	* Trachea
* Urinary Bladder			

OBSERVATIONS

* Adrenal Cortex		Hypertrophy	Minimal
* Heart		Cardiomyopathy	Minimal
* Kidney		Metaplasia	Osseous, Minimal
* Liver		Eosinophilic Focus	
		Hepatocellular Carcinoma	Multiple
	Centrilobular, Hepatocyte	Hypertrophy	Minimal
	[Hepatocellular Carcinoma TGLs = 1,2,3,4,5,6,7,8-6+7+14+15+16+17+18+19]		
* Lung	Peribronchiolr	Fibrosis	Minimal
	Alv/Bron Epith	Hyperplasia	Mild
* Nose	Respirat Epith	Accumulation, Hyaline Droplet	Minimal
* Spleen		Hematopoietic Cell Proliferation	Minimal
* Stomach, Forestomach		Squamous Cell Papilloma	
* Thymus		Atrophy	Mild
* Uterus	Endometrium	Hyperplasia	Cystic, Minimal

Experiment Number: 10472 - 04
 Test Type: CHRONIC
 Route: RESPIRATORY EXPOSURE WHOLE BODY
 Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 p-Chloro-a,a,a-trifluorotoluene
 CAS Number: 98-56-6

Date Report Requested: 03/25/2016
 Time Report Requested: 09:19:23
 First Dose M/F: 01/31/11 / 01/31/11
 Lab: BNW

ANIMAL ID: 725

TRT#: 8

SEX: Female

DAY ON TEST: 480

DOSE: 400 ppm

DISP: Moribund Sacrifice

HISTO: 63185

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	Blood Vessel	* Bone	* Bone Marrow
* Brain	* Clitoral Gland	* Esophagus	* Eye
* Gallbladder	* Harderian Gland	* Heart	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Kidney	* Larynx
* Lymph Node, Bronchial	* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Mammary Gland
* Pancreas	* Pituitary Gland	* Salivary Glands	* Skin
* Stomach, Glandular	* Thymus	* Thyroid Gland	* Trachea
* Urinary Bladder			

MISSING

* Lymph Node, Mediastinal	* Parathyroid Gland
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OBSERVATIONS

* Adrenal Cortex		Hypertrophy	Minimal
* Liver	Centrilobular, Hepatocyte	Hypertrophy	Minimal
	Hepatocyte	Multinucleated	Minimal
* Lung	Peribronchiolr	Fibrosis	Minimal
	Alv/Bron Epith	Hyperplasia	Mild
* Nose	Respirat Epith	Accumulation, Hyaline Droplet	Minimal
* Ovary		Hemangiosarcoma	
	[Hemangiosarcoma TGLs = 3-9]		
* Spleen		Hematopoietic Cell Proliferation	Moderate
	[Hematopoietic Cell Proliferation TGLs = 4-7]		
* Stomach, Forestomach	Epithelium	Hyperplasia	Minimal
* Uterus	Endometrium	Hemangiosarcoma	
	[Hemangiosarcoma TGLs = 2-14]	Hyperplasia	Cystic, Moderate
	[Hyperplasia TGLs = 1-10]		

PRIMARY CAUSE OF DEATH - Uterus Hemangiosarcoma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 10472 - 04
 Test Type: CHRONIC
 Route: RESPIRATORY EXPOSURE WHOLE BODY
 Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 p-Chloro-a,a,a-trifluorotoluene
 CAS Number: 98-56-6

Date Report Requested: 03/25/2016
 Time Report Requested: 09:19:23
 First Dose M/F: 01/31/11 / 01/31/11
 Lab: BNW

ANIMAL ID: 726

TRT#: 8

SEX: Female

DAY ON TEST: 733

DOSE: 400 ppm

DISP: Terminal Sacrifice

HISTO: 63186

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	Blood Vessel	* Bone Marrow
* Brain	* Clitoral Gland	* Esophagus	* Eye
* Gallbladder	* Harderian Gland	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Larynx	* Lymph Node, Bronchial	* Lymph Node, Mandibular
* Lymph Node, Mediastinal	* Lymph Node, Mesenteric	* Mammary Gland	* Nose
* Ovary	* Pancreas	* Parathyroid Gland	* Pituitary Gland
* Salivary Glands	* Skin	* Spleen	* Stomach, Forestomach
* Stomach, Glandular	* Thymus	* Thyroid Gland	* Trachea
* Urinary Bladder	* Uterus		

OBSERVATIONS

* Bone		Fibro-Osseous Lesion	Minimal
* Heart		Cardiomyopathy	Minimal
* Kidney		Nephropathy	Minimal
* Liver		Hepatocellular Carcinoma	Multiple
	Centrilobular, Hepatocyte	Hypertrophy	Mild
	Hepatocyte	Multinucleated	Minimal
[Hepatocellular Carcinoma	TGLs = 1,2,3,4,5,6-6+7+14+15+16]		
* Lung	Peribronchiolr	Fibrosis	Minimal
	Alv/Bron Epith	Hyperplasia	Marked

Experiment Number: 10472 - 04
 Test Type: CHRONIC
 Route: RESPIRATORY EXPOSURE WHOLE BODY
 Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 p-Chloro-a,a,a-trifluorotoluene
 CAS Number: 98-56-6

Date Report Requested: 03/25/2016
 Time Report Requested: 09:19:23
 First Dose M/F: 01/31/11 / 01/31/11
 Lab: BNW

ANIMAL ID: 727

TRT#: 8

SEX: Female

DAY ON TEST: 669

DOSE: 400 ppm

DISP: Moribund Sacrifice

HISTO: 63187

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	Blood Vessel	* Bone	* Bone Marrow
* Brain	* Clitoral Gland	* Esophagus	* Eye
* Gallbladder	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Kidney	* Larynx	* Lymph Node, Bronchial	* Lymph Node, Mandibular
* Lymph Node, Mediastinal	* Lymph Node, Mesenteric	* Mammary Gland	* Nose
* Ovary	* Pancreas	* Pituitary Gland	* Salivary Glands
* Stomach, Glandular	* Thymus	* Thyroid Gland	* Trachea
* Urinary Bladder			

MISSING

* Parathyroid Gland

OBSERVATIONS

* Adrenal Cortex		Hypertrophy	Minimal
* Harderian Gland		Adenoma	
	[Adenoma TGLs = 1-12]		
* Heart		Cardiomyopathy	Minimal
* Liver		Eosinophilic Focus	
		Hepatocellular Adenoma	Multiple
	Centrilobular, Hepatocyte	Hypertrophy	Minimal
	Hepatocyte	Multinucleated	Minimal
	Hepatocyte	Necrosis	Minimal
		Osteosarcoma	Metastatic (Uncertain Primary Site)
	[Eosinophilic Focus TGLs = 5,6-7+15]		
	[Hepatocellular Adenoma TGLs = 2,3,4-6+14]		
* Lung	Peribronchiolr	Fibrosis	Minimal
	Alv/Bron Epith	Hyperplasia	Mild
		Osteosarcoma	Metastatic (Uncertain Primary Site)
Lymph Node	Renal	Ectasia	Mild
	[Ectasia TGLs = 7-16]		
* Skin	Subcut Tiss	Fibrosarcoma	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 10472 - 04
Test Type: CHRONIC
Route: RESPIRATORY EXPOSURE WHOLE BODY
Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
p-Chloro-a,a,a-trifluorotoluene
CAS Number: 98-56-6

Date Report Requested: 03/25/2016
Time Report Requested: 09:19:23
First Dose M/F: 01/31/11 / 01/31/11
Lab: BNW

ANIMAL ID: 727

TRT#: 8

SEX: Female

DAY ON TEST: 669

DOSE: 400 ppm

DISP: Moribund Sacrifice

HISTO: 63187

ORGAN AND ACCOUNTABLE SITE STATUS

[Fibrosarcoma TGLs = 8-17]

* Spleen	Lymph Follic	Hyperplasia	Minimal
* Stomach, Forestomach	Epithelium	Hyperplasia	Minimal
* Uterus	Endometrium	Hyperplasia	Cystic, Moderate

PRIMARY CAUSE OF DEATH - Skin Subcut Tiss Fibrosarcoma

Experiment Number: 10472 - 04
 Test Type: CHRONIC
 Route: RESPIRATORY EXPOSURE WHOLE BODY
 Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 p-Chloro-a,a,a-trifluorotoluene
 CAS Number: 98-56-6

Date Report Requested: 03/25/2016
 Time Report Requested: 09:19:23
 First Dose M/F: 01/31/11 / 01/31/11
 Lab: BNW

ANIMAL ID: 728

TRT#: 8

SEX: Female

DAY ON TEST: 732

DOSE: 400 ppm

DISP: Terminal Sacrifice

HISTO: 63188

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	Blood Vessel	* Bone	* Bone Marrow
* Brain	* Clitoral Gland	* Esophagus	* Eye
* Gallbladder	* Harderian Gland	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Larynx	* Lymph Node, Bronchial	* Lymph Node, Mandibular
* Lymph Node, Mediastinal	* Lymph Node, Mesenteric	* Mammary Gland	* Ovary
* Pancreas	* Pituitary Gland	* Salivary Glands	* Skin
* Stomach, Glandular	* Thymus	* Thyroid Gland	* Trachea

MISSING

* Parathyroid Gland

OBSERVATIONS

* Adrenal Cortex		Hypertrophy	Mild
* Heart		Cardiomyopathy	Minimal
* Kidney		Infarct	Mild
	[Infarct TGLs = 6-7]		
* Liver		Hepatoblastoma	
		Hepatocellular Carcinoma	Multiple
	Centrilobular, Hepatocyte	Hypertrophy	Minimal
	Hepatocyte	Multinucleated	Minimal
	[Hepatoblastoma TGLs = 1-14]		
	[Hepatocellular Carcinoma TGLs = 2,3,4-15+16+17]		
* Lung		Fibrosis	Minimal
	Peribronchiolr	Hepatoblastoma	Metastatic (Liver)
	Alv/Bron Epith	Hyperplasia	Marked
	Alveolus	Infiltration Cellular	Histiocyte, Mild
	[Infiltration Cellular TGLs = 5-5]		
* Nose		Accumulation, Hyaline Droplet	Minimal
* Spleen	Respirat Epith	Hematopoietic Cell Proliferation	Mild
* Stomach, Forestomach		Inflammation	Minimal
* Urinary Bladder		Hyperplasia	Lymphoid, Mild

* PROTOCOL REQUIRED TISSUE

Experiment Number: 10472 - 04
Test Type: CHRONIC
Route: RESPIRATORY EXPOSURE WHOLE BODY
Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
p-Chloro-a,a,a-trifluorotoluene
CAS Number: 98-56-6

Date Report Requested: 03/25/2016
Time Report Requested: 09:19:23
First Dose M/F: 01/31/11 / 01/31/11
Lab: BNW

ANIMAL ID: 728

TRT#: 8

SEX: Female

DAY ON TEST: 732

DOSE: 400 ppm

DISP: Terminal Sacrifice

HISTO: 63188

ORGAN AND ACCOUNTABLE SITE STATUS

* Uterus

Endometrium

Hyperplasia

Cystic, Mild

Experiment Number: 10472 - 04
 Test Type: CHRONIC
 Route: RESPIRATORY EXPOSURE WHOLE BODY
 Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 p-Chloro-a,a,a-trifluorotoluene
 CAS Number: 98-56-6

Date Report Requested: 03/25/2016
 Time Report Requested: 09:19:23
 First Dose M/F: 01/31/11 / 01/31/11
 Lab: BNW

ANIMAL ID: 729

TRT#: 8

SEX: Female

DAY ON TEST: 732

DOSE: 400 ppm

DISP: Terminal Sacrifice

HISTO: 63189

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	Blood Vessel	* Bone
* Bone Marrow	* Brain	* Clitoral Gland	* Esophagus
* Eye	* Gallbladder	* Harderian Gland	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Islets, Pancreatic	* Larynx	* Lymph Node, Bronchial	* Lymph Node, Mandibular
* Lymph Node, Mediastinal	* Lymph Node, Mesenteric	* Mammary Gland	* Nose
* Ovary	* Pancreas	* Parathyroid Gland	* Pituitary Gland
* Salivary Glands	* Skin	* Stomach, Forestomach	* Stomach, Glandular
* Thymus	* Thyroid Gland	* Trachea	* Urinary Bladder
* Uterus			

OBSERVATIONS

* Heart	Valve	Angiectasis	Minimal
* Intestine Small, Jejunum		Adenoma	
* Kidney		Nephropathy	Minimal
* Liver		Basophilic Focus	
		Eosinophilic Focus	
		Hepatocellular Carcinoma	Multiple
	Centrilobular, Hepatocyte	Hypertrophy	Minimal
	Hepatocyte	Multinucleated	Minimal
[Hepatocellular Carcinoma	TGLs = 1,2,3,4,5-6+14+15+16+17]		
* Lung		Alveolar/Bronchiolar Adenoma	
	Peribronchiolar	Fibrosis	Minimal
	Alv/Bron Epith	Hyperplasia	Moderate
* Spleen		Hematopoietic Cell Proliferation	Minimal

Experiment Number: 10472 - 04
 Test Type: CHRONIC
 Route: RESPIRATORY EXPOSURE WHOLE BODY
 Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 p-Chloro-a,a,a-trifluorotoluene
 CAS Number: 98-56-6

Date Report Requested: 03/25/2016
 Time Report Requested: 09:19:23
 First Dose M/F: 01/31/11 / 01/31/11
 Lab: BNW

ANIMAL ID: 730

TRT#: 8

SEX: Female

DAY ON TEST: 732

DOSE: 400 ppm

DISP: Natural Death

HISTO: 63190

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	Blood Vessel	* Bone
* Brain	* Clitoral Gland	* Esophagus	* Eye
* Gallbladder	* Harderian Gland	* Heart	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Larynx	* Lymph Node, Bronchial
* Lymph Node, Mandibular	* Lymph Node, Mediastinal	* Mammary Gland	* Ovary
* Pancreas	* Parathyroid Gland	* Pituitary Gland	* Salivary Glands
* Skin	* Stomach, Forestomach	* Stomach, Glandular	* Thymus
* Thyroid Gland	* Trachea	* Urinary Bladder	

OBSERVATIONS

* Bone Marrow		Histiocytic Sarcoma	
* Kidney		Nephropathy	Minimal
* Liver		Hepatocellular Adenoma	Multiple
		Hepatocellular Carcinoma	Multiple
		Histiocytic Sarcoma	
	Centrilobular, Hepatocyte	Hypertrophy	Minimal
	Hepatocyte	Necrosis	Minimal
	[Hepatocellular Adenoma TGLs = 4,8,9-14+17+18]		
	[Hepatocellular Carcinoma TGLs = 5,6,7-6+15+16]		
* Lung	Peribronchiolr	Fibrosis	Minimal
	Alv/Bron Epith	Hyperplasia	Moderate
Lymph Node	Renal	Histiocytic Sarcoma	
	[Histiocytic Sarcoma TGLs = 10-4]		
* Lymph Node, Mesenteric		Histiocytic Sarcoma	
	[Histiocytic Sarcoma TGLs = 3-19]		
* Nose	Respirat Epith	Accumulation, Hyaline Droplet	Minimal
* Spleen		Histiocytic Sarcoma	
	[Histiocytic Sarcoma TGLs = 2-6]		
* Uterus	Endometrium	Hyperplasia	Cystic, Minimal

PRIMARY CAUSE OF DEATH - Spleen Histiocytic Sarcoma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 10472 - 04
 Test Type: CHRONIC
 Route: RESPIRATORY EXPOSURE WHOLE BODY
 Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 p-Chloro-a,a,a-trifluorotoluene
 CAS Number: 98-56-6

Date Report Requested: 03/25/2016
 Time Report Requested: 09:19:23
 First Dose M/F: 01/31/11 / 01/31/11
 Lab: BNW

ANIMAL ID: 731

TRT#: 8

SEX: Female

DAY ON TEST: 718

DOSE: 400 ppm

DISP: Natural Death

HISTO: 63191

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	Blood Vessel	* Bone
* Bone Marrow	* Brain	* Clitoral Gland	* Esophagus
* Eye	* Gallbladder	* Harderian Gland	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Kidney	* Lymph Node, Bronchial
* Lymph Node, Mandibular	* Lymph Node, Mediastinal	* Mammary Gland	* Ovary
* Pancreas	* Parathyroid Gland	* Pituitary Gland	* Salivary Glands
* Skin	* Spleen	* Stomach, Glandular	* Thyroid Gland
* Trachea	* Urinary Bladder		

OBSERVATIONS

* Heart		Inflammation	Mild
* Larynx	Squam Epithel	Hyperplasia	Minimal
* Liver		Hepatocellular Adenoma	
	Centrilobular, Hepatocyte	Hypertrophy	Minimal
	Hepatocyte	Multinucleated	Minimal
	[Hepatocellular Adenoma TGLs = 3-6]		
* Lung	Alv/Bron Epith	Hyperplasia	Minimal
		Inflammation	Mild
Lymph Node	Iliac	Angiectasis	Mild
	[Angiectasis TGLs = 4-7]		
* Lymph Node, Mesenteric		Erythrophagocytosis	Moderate
* Nose	Respirat Epith	Accumulation, Hyaline Droplet	Minimal
Pleura		Inflammation	Moderate
	[Inflammation TGLs = 2-14]		
* Stomach, Forestomach		Inflammation	Mild
	Epithelium	Ulcer	Minimal
* Thymus		Atrophy	Mild
* Uterus	Endometrium	Hyperplasia	Cystic, Minimal

PRIMARY CAUSE OF DEATH - Pleura Inflammation

* PROTOCOL REQUIRED TISSUE

Experiment Number: 10472 - 04
 Test Type: CHRONIC
 Route: RESPIRATORY EXPOSURE WHOLE BODY
 Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 p-Chloro-a,a,a-trifluorotoluene
 CAS Number: 98-56-6

Date Report Requested: 03/25/2016
 Time Report Requested: 09:19:23
 First Dose M/F: 01/31/11 / 01/31/11
 Lab: BNW

ANIMAL ID: 732

TRT#: 8

SEX: Female

DAY ON TEST: 732

DOSE: 400 ppm

DISP: Terminal Sacrifice

HISTO: 63192

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	Blood Vessel	* Bone
* Bone Marrow	* Brain	* Clitoral Gland	* Esophagus
* Eye	* Gallbladder	* Harderian Gland	* Heart
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Larynx
* Lymph Node, Bronchial	* Lymph Node, Mandibular	* Lymph Node, Mediastinal	* Lymph Node, Mesenteric
* Mammary Gland	* Pancreas	* Pituitary Gland	* Salivary Glands
* Skin	* Stomach, Glandular	* Thymus	* Thyroid Gland
* Trachea	* Urinary Bladder		

MISSING

* Parathyroid Gland

OBSERVATIONS

* Kidney		Nephropathy	Minimal
* Liver		Hepatocellular Adenoma	Multiple
		Hepatocellular Carcinoma	Multiple
	Centrilobular, Hepatocyte	Hypertrophy	Minimal
		Mixed Cell Focus	
	[Hepatocellular Adenoma TGLs = 5,7-7+18]		
	[Hepatocellular Carcinoma TGLs = 1,2,3,4,8-6+14+15+16+17]		
	[Mixed Cell Focus TGLs = 6-6]		
* Lung	Peribronchiolr	Fibrosis	Minimal
	Alv/Bron Epith	Hyperplasia	Marked
Mesentery	Fat	Necrosis	Mild
	[Necrosis TGLs = 9-7]		
* Nose		Inflammation	Suppurative, Minimal
	Respirat Epith	Metaplasia	Squamous, Minimal
* Ovary		Cyst	Minimal
* Spleen		Hematopoietic Cell Proliferation	Minimal
* Stomach, Forestomach	Epithelium	Hyperplasia	Minimal
* Uterus	Endometrium	Hyperplasia	Cystic, Marked

* PROTOCOL REQUIRED TISSUE

Experiment Number: 10472 - 04
 Test Type: CHRONIC
 Route: RESPIRATORY EXPOSURE WHOLE BODY
 Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 p-Chloro-a,a,a-trifluorotoluene
 CAS Number: 98-56-6

Date Report Requested: 03/25/2016
 Time Report Requested: 09:19:23
 First Dose M/F: 01/31/11 / 01/31/11
 Lab: BNW

ANIMAL ID: 733

TRT#: 8

SEX: Female

DAY ON TEST: 733

DOSE: 400 ppm

DISP: Terminal Sacrifice

HISTO: 63193

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	Blood Vessel	* Bone
* Bone Marrow	* Brain	* Esophagus	* Eye
* Gallbladder	* Heart	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Kidney	* Larynx	* Lymph Node, Bronchial
* Lymph Node, Mandibular	* Lymph Node, Mediastinal	* Mammary Gland	* Ovary
* Pancreas	* Parathyroid Gland	* Pituitary Gland	* Salivary Glands
* Skin	* Stomach, Glandular	* Thyroid Gland	* Trachea
* Urinary Bladder			

MISSING

* Clitoral Gland

OBSERVATIONS

* Harderian Gland		Adenoma	
* Liver		Eosinophilic Focus	
		Hepatocellular Adenoma	Multiple
		Hepatocellular Carcinoma	Multiple
	Centrilobular, Hepatocyte	Hypertrophy	Minimal
	[Hepatocellular Adenoma TGLs = 1,8-7+18]		
	[Hepatocellular Carcinoma TGLs = 2,3,4,5,7-6+14+15+16+17]		
* Lung		Alveolar/Bronchiolar Carcinoma	
	Peribronchiolr	Fibrosis	Minimal
	Alv/Bron Epith	Hyperplasia	Marked
	[Alveolar/Bronchiolar Carcinoma TGLs = 6-5]		
* Lymph Node, Mesenteric		Hyperplasia	Lymphoid, Mild
* Nose	Respirat Epith	Accumulation, Hyaline Droplet	Minimal
* Spleen		Hematopoietic Cell Proliferation	Minimal
	Lymph Follic	Hyperplasia	Minimal
* Stomach, Forestomach		Squamous Cell Papilloma	
	[Squamous Cell Papilloma TGLs = 9-10]		
* Thymus		Ectopic Parathyroid Gland	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 10472 - 04
Test Type: CHRONIC
Route: RESPIRATORY EXPOSURE WHOLE BODY
Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
p-Chloro-a,a,a-trifluorotoluene
CAS Number: 98-56-6

Date Report Requested: 03/25/2016
Time Report Requested: 09:19:23
First Dose M/F: 01/31/11 / 01/31/11
Lab: BNW

ANIMAL ID: 733

TRT#: 8

SEX: Female

DAY ON TEST: 733

DOSE: 400 ppm

DISP: Terminal Sacrifice

HISTO: 63193

ORGAN AND ACCOUNTABLE SITE STATUS

* Uterus

Endometrium

Hyperplasia

Cystic, Moderate

Experiment Number: 10472 - 04
 Test Type: CHRONIC
 Route: RESPIRATORY EXPOSURE WHOLE BODY
 Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 p-Chloro-a,a,a-trifluorotoluene
 CAS Number: 98-56-6

Date Report Requested: 03/25/2016
 Time Report Requested: 09:19:23
 First Dose M/F: 01/31/11 / 01/31/11
 Lab: BNW

ANIMAL ID: 734

TRT#: 8

SEX: Female

DAY ON TEST: 652

DOSE: 400 ppm

DISP: Moribund Sacrifice

HISTO: 63194

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	Blood Vessel	* Bone
* Bone Marrow	* Brain	* Clitoral Gland	* Esophagus
* Eye	* Gallbladder	* Harderian Gland	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Larynx	* Lymph Node, Bronchial	* Lymph Node, Mediastinal
* Lymph Node, Mesenteric	* Mammary Gland	* Ovary	* Pancreas
* Pituitary Gland	* Salivary Glands	* Stomach, Glandular	* Urinary Bladder

MISSING

* Lymph Node, Mandibular	* Parathyroid Gland	* Thyroid Gland	* Trachea
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OBSERVATIONS

* Heart		Inflammation	Marked
		Necrosis	Mild
		Thrombosis	Moderate
* Intestine Large, Cecum		Inflammation	Mild
* Kidney		Inflammation	Suppurative, Mild
* Liver		Eosinophilic Focus	
		Hepatocellular Adenoma	Multiple
		Hepatocellular Carcinoma	
	Centrilobular, Hepatocyte	Hypertrophy	Minimal
	Hepatocyte	Mixed Cell Focus	
	Hepatocyte	Multinucleated	Minimal
	[Hepatocellular Adenoma TGLs = 2,3,4,5,7-6+7+14+15+16]	Necrosis	Mild
	[Hepatocellular Carcinoma TGLs = 6-17]		
	[Necrosis TGLs = 1-6+7+14+15+16+17]		
* Lung		Hemorrhage	Moderate
	Alv/Bron Epith	Hyperplasia	Mild
	[Hemorrhage TGLs = 8-5]		
* Nose	Respirat Epith	Accumulation, Hyaline Droplet	Minimal
* Skin		Inflammation	Mild

* PROTOCOL REQUIRED TISSUE

Experiment Number: 10472 - 04
Test Type: CHRONIC
Route: RESPIRATORY EXPOSURE WHOLE BODY
Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
p-Chloro-a,a,a-trifluorotoluene
CAS Number: 98-56-6

Date Report Requested: 03/25/2016
Time Report Requested: 09:19:23
First Dose M/F: 01/31/11 / 01/31/11
Lab: BNW

ANIMAL ID: 734

TRT#: 8

SEX: Female

DAY ON TEST: 652

DOSE: 400 ppm

DISP: Moribund Sacrifice

HISTO: 63194

ORGAN AND ACCOUNTABLE SITE STATUS

* Spleen		Hematopoietic Cell Proliferation	Mild
* Stomach, Forestomach	Epithelium	Hyperplasia	Minimal
* Thymus		Atrophy	Minimal
* Uterus	Endometrium	Hyperplasia	Cystic, Mild

PRIMARY CAUSE OF DEATH - Heart Inflammation

Experiment Number: 10472 - 04
 Test Type: CHRONIC
 Route: RESPIRATORY EXPOSURE WHOLE BODY
 Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 p-Chloro-a,a,a-trifluorotoluene
 CAS Number: 98-56-6

Date Report Requested: 03/25/2016
 Time Report Requested: 09:19:23
 First Dose M/F: 01/31/11 / 01/31/11
 Lab: BNW

ANIMAL ID: 735

TRT#: 8

SEX: Female

DAY ON TEST: 733

DOSE: 400 ppm

DISP: Terminal Sacrifice

HISTO: 63195

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	Blood Vessel	* Bone
* Bone Marrow	* Brain	* Clitoral Gland	* Esophagus
* Eye	* Gallbladder	* Harderian Gland	* Heart
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Larynx
* Lymph Node, Bronchial	* Lymph Node, Mandibular	* Lymph Node, Mediastinal	* Lymph Node, Mesenteric
* Mammary Gland	* Ovary	* Pancreas	* Parathyroid Gland
* Pituitary Gland	* Salivary Glands	* Skin	* Stomach, Forestomach
* Stomach, Glandular	* Thyroid Gland	* Trachea	* Urinary Bladder

OBSERVATIONS

* Kidney		Nephropathy	Minimal
* Liver		Hepatocellular Carcinoma	Multiple
	Centrilobular, Hepatocyte	Hypertrophy	Minimal
	[Hepatocellular Carcinoma TGLs = 1,2,3,4,6,7-6+7+14+15+16]		
* Lung		Alveolar/Bronchiolar Adenoma	
	Peribronchiolar	Fibrosis	Minimal
	Alv/Bron Epith	Hyperplasia	Moderate
Mesentery	Fat	Necrosis	Mild
	[Necrosis TGLs = 5-17]		
* Nose	Respirat Epith	Accumulation, Hyaline Droplet	Minimal
		Inflammation	Suppurative, Minimal
	Respirat Epith	Metaplasia	Squamous, Minimal
* Spleen	Lymph Follic	Hyperplasia	Minimal
* Thymus		Ectopic Parathyroid Gland	
* Uterus	Endometrium	Hyperplasia	Cystic, Minimal

* PROTOCOL REQUIRED TISSUE

Experiment Number: 10472 - 04
 Test Type: CHRONIC
 Route: RESPIRATORY EXPOSURE WHOLE BODY
 Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 p-Chloro-a,a,a-trifluorotoluene
 CAS Number: 98-56-6

Date Report Requested: 03/25/2016
 Time Report Requested: 09:19:23
 First Dose M/F: 01/31/11 / 01/31/11
 Lab: BNW

ANIMAL ID: 736

TRT#: 8

SEX: Female

DAY ON TEST: 732

DOSE: 400 ppm

DISP: Terminal Sacrifice

HISTO: 63196

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	Blood Vessel	* Bone
* Brain	* Clitoral Gland	* Esophagus	* Eye
* Gallbladder	* Harderian Gland	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Kidney	* Larynx	* Lymph Node, Mandibular
* Lymph Node, Mediastinal	* Lymph Node, Mesenteric	* Mammary Gland	* Ovary
* Pancreas	* Parathyroid Gland	* Pituitary Gland	* Salivary Glands
* Skin	* Stomach, Glandular	* Thyroid Gland	* Trachea
* Urinary Bladder			

OBSERVATIONS

* Bone Marrow		Hyperplasia	Minimal
* Heart		Inflammation	Mild
* Liver		Eosinophilic Focus	
		Hemangiosarcoma	
		Hepatocellular Adenoma	
		Hepatocellular Carcinoma	Multiple
	Centrilobular, Hepatocyte	Hypertrophy	Minimal
	[Hepatocellular Adenoma TGLs = 8-7]		
	[Hepatocellular Carcinoma TGLs = 1,2,3,4,5,6,7-6+14+15+16+17+18+19]		
* Lung	Peribronchiolr	Fibrosis	Minimal
	Alv/Bron Epith	Hyperplasia	Moderate
		Inflammation	Minimal
* Lymph Node, Bronchial		Hyperplasia	Lymphoid, Minimal
	[Hyperplasia TGLs = 10-5]		
* Nose	Respirat Epith	Accumulation, Hyaline Droplet	Minimal
* Spleen		Hemangiosarcoma	
	[Hemangiosarcoma TGLs = 9-6]		
* Stomach, Forestomach	Epithelium	Hyperplasia	Minimal
		Inflammation	Minimal
	[Hyperplasia TGLs = 11-10]		

* PROTOCOL REQUIRED TISSUE

Experiment Number: 10472 - 04
Test Type: CHRONIC
Route: RESPIRATORY EXPOSURE WHOLE BODY
Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
p-Chloro-a,a,a-trifluorotoluene
CAS Number: 98-56-6

Date Report Requested: 03/25/2016
Time Report Requested: 09:19:23
First Dose M/F: 01/31/11 / 01/31/11
Lab: BNW

ANIMAL ID: 736

TRT#: 8

SEX: Female

DAY ON TEST: 732

DOSE: 400 ppm

DISP: Terminal Sacrifice

HISTO: 63196

ORGAN AND ACCOUNTABLE SITE STATUS

* Thymus

Ectopic Parathyroid Gland

* Uterus

Endometrium

Hyperplasia

Cystic, Mild

Experiment Number: 10472 - 04
 Test Type: CHRONIC
 Route: RESPIRATORY EXPOSURE WHOLE BODY
 Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 p-Chloro-a,a,a-trifluorotoluene
 CAS Number: 98-56-6

Date Report Requested: 03/25/2016
 Time Report Requested: 09:19:23
 First Dose M/F: 01/31/11 / 01/31/11
 Lab: BNW

ANIMAL ID: 737

TRT#: 8

SEX: Female

DAY ON TEST: 732

DOSE: 400 ppm

DISP: Terminal Sacrifice

HISTO: 63197

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	Blood Vessel	* Bone	* Bone Marrow
* Brain	* Clitoral Gland	* Esophagus	* Eye
* Harderian Gland	* Heart	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Kidney	* Larynx	* Lymph Node, Bronchial
* Lymph Node, Mandibular	* Lymph Node, Mediastinal	* Lymph Node, Mesenteric	* Mammary Gland
* Ovary	* Pancreas	* Parathyroid Gland	* Salivary Glands
* Skin	* Spleen	* Stomach, Glandular	* Thyroid Gland
* Trachea	* Urinary Bladder		

MISSING

* Gallbladder

OBSERVATIONS

* Adrenal Cortex		Hypertrophy	Minimal
* Liver		Clear Cell Focus	
		Eosinophilic Focus	
		Hepatocellular Adenoma	Multiple
		Hepatocellular Carcinoma	Multiple
	Centrilobular, Hepatocyte	Hypertrophy	Mild
	Hepatocyte	Mixed Cell Focus	
	[Hepatocellular Adenoma TGLs = 2,5-6+15]	Multinucleated	Minimal
	[Hepatocellular Carcinoma TGLs = 1,3-14+16]		
	[Mixed Cell Focus TGLs = 4-7]		
* Lung	Peribronchiolr	Fibrosis	Minimal
	Alv/Bron Epith	Hyperplasia	Moderate
* Nose	Olfactory Epi	Accumulation, Hyaline Droplet	Minimal
	Respirat Epith	Accumulation, Hyaline Droplet	Minimal
* Pituitary Gland	Pars Distalis	Hyperplasia	Minimal
* Stomach, Forestomach	Epithelium	Hyperplasia	Minimal
		Inflammation	Minimal

* PROTOCOL REQUIRED TISSUE

Experiment Number: 10472 - 04
Test Type: CHRONIC
Route: RESPIRATORY EXPOSURE WHOLE BODY
Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
p-Chloro-a,a,a-trifluorotoluene
CAS Number: 98-56-6

Date Report Requested: 03/25/2016
Time Report Requested: 09:19:23
First Dose M/F: 01/31/11 / 01/31/11
Lab: BNW

ANIMAL ID: 737

TRT#: 8

SEX: Female

DAY ON TEST: 732

DOSE: 400 ppm

DISP: Terminal Sacrifice

HISTO: 63197

ORGAN AND ACCOUNTABLE SITE STATUS

* Thymus

Ectopic Parathyroid Gland

* Uterus

Endometrium

Hyperplasia

Cystic, Marked

Experiment Number: 10472 - 04
 Test Type: CHRONIC
 Route: RESPIRATORY EXPOSURE WHOLE BODY
 Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 p-Chloro-a,a,a-trifluorotoluene
 CAS Number: 98-56-6

Date Report Requested: 03/25/2016
 Time Report Requested: 09:19:23
 First Dose M/F: 01/31/11 / 01/31/11
 Lab: BNW

ANIMAL ID: 738

TRT#: 8

SEX: Female

DAY ON TEST: 663

DOSE: 400 ppm

DISP: Natural Death

HISTO: 63198

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	Blood Vessel	* Bone	* Bone Marrow
* Brain	* Clitoral Gland	* Esophagus	* Eye
* Gallbladder	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Kidney	* Larynx	* Lymph Node, Bronchial	* Lymph Node, Mandibular
* Lymph Node, Mediastinal	* Lymph Node, Mesenteric	* Mammary Gland	* Nose
* Ovary	* Pancreas	* Pituitary Gland	* Salivary Glands
* Skin	* Stomach, Glandular	* Thymus	* Thyroid Gland
* Trachea	* Urinary Bladder		

MISSING

* Parathyroid Gland

OBSERVATIONS

* Adrenal Cortex		Hepatocellular Carcinoma	Metastatic (Liver)
* Harderian Gland		Hyperplasia	Minimal
* Heart		Cardiomyopathy	Mild
* Liver		Hepatocellular Adenoma	Multiple
		Hepatocellular Carcinoma	Multiple
	Centrilobular, Hepatocyte	Hypertrophy	Minimal
	[Hepatocellular Adenoma TGLs = 11,14,15-15+16+17]		
	[Hepatocellular Carcinoma TGLs = 9,10,12,13,14-6+7+14+17]		
* Lung	Peribronchiolr	Fibrosis	Minimal
		Hepatocellular Carcinoma	Metastatic (Liver)
	Alv/Bron Epith	Hyperplasia	Minimal
	[Hepatocellular Carcinoma TGLs = 2,3,4,5,6,7-5]		
* Spleen		Hematopoietic Cell Proliferation	Moderate
	[Hematopoietic Cell Proliferation TGLs = 8-6]		
* Stomach, Forestomach	Epithelium	Hyperplasia	Minimal
		Inflammation	Minimal
* Uterus	Endometrium	Hyperplasia	Cystic, Mild

PRIMARY CAUSE OF DEATH - Liver Hepatocellular Carcinoma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 10472 - 04
 Test Type: CHRONIC
 Route: RESPIRATORY EXPOSURE WHOLE BODY
 Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 p-Chloro-a,a,a-trifluorotoluene
 CAS Number: 98-56-6

Date Report Requested: 03/25/2016
 Time Report Requested: 09:19:23
 First Dose M/F: 01/31/11 / 01/31/11
 Lab: BNW

ANIMAL ID: 739

TRT#: 8

SEX: Female

DAY ON TEST: 675

DOSE: 400 ppm

DISP: Natural Death

HISTO: 63199

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	Blood Vessel	* Bone
* Bone Marrow	* Brain	* Clitoral Gland	* Esophagus
* Eye	* Gallbladder	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Larynx	* Lymph Node, Bronchial	* Lymph Node, Mandibular
* Lymph Node, Mediastinal	* Lymph Node, Mesenteric	* Mammary Gland	* Ovary
* Pancreas	* Parathyroid Gland	* Pituitary Gland	* Salivary Glands
* Skin	* Stomach, Forestomach	* Stomach, Glandular	* Thymus
* Thyroid Gland	* Trachea	* Urinary Bladder	* Uterus

OBSERVATIONS

* Harderian Gland		Adenoma	
	[Adenoma TGLs = 1-12]		
* Heart		Cardiomyopathy	Minimal
* Kidney		Nephropathy	Minimal
* Liver		Hepatocellular Carcinoma	Multiple
		Hypertrophy	Minimal
		Multinucleated	Minimal
		Necrosis	Minimal
	[Hepatocellular Carcinoma TGLs = 3,4,5,6,7,8-6+7+14+15+16]		
* Lung		Fibrosis	Minimal
	Peribronchiolr	Hyperplasia	Minimal
	Alv/Bron Epith	Necrosis	Minimal
Mesentery	Fat		
	[Necrosis TGLs = 2-17]		
* Nose		Accumulation, Hyaline Droplet	Minimal
* Spleen	Olfactory Epi	Hematopoietic Cell Proliferation	Mild

PRIMARY CAUSE OF DEATH - Liver Hepatocellular Carcinoma

Experiment Number: 10472 - 04
 Test Type: CHRONIC
 Route: RESPIRATORY EXPOSURE WHOLE BODY
 Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 p-Chloro-a,a,a-trifluorotoluene
 CAS Number: 98-56-6

Date Report Requested: 03/25/2016
 Time Report Requested: 09:19:23
 First Dose M/F: 01/31/11 / 01/31/11
 Lab: BNW

ANIMAL ID: 740

TRT#: 8

SEX: Female

DAY ON TEST: 708

DOSE: 400 ppm

DISP: Natural Death

HISTO: 63200

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	Blood Vessel	* Bone Marrow	* Brain
* Clitoral Gland	* Esophagus	* Eye	* Gallbladder
* Harderian Gland	* Heart	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Kidney	* Larynx	* Lymph Node, Mandibular
* Lymph Node, Mediastinal	* Lymph Node, Mesenteric	* Mammary Gland	* Nose
* Ovary	* Pancreas	* Salivary Glands	* Skin
* Stomach, Forestomach	* Stomach, Glandular	* Thyroid Gland	* Trachea
* Urinary Bladder			

MISSING

* Lymph Node, Bronchial	* Parathyroid Gland
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OBSERVATIONS

* Adrenal Cortex		Vacuolization Cytoplasmic	Minimal
* Bone	Rib	Sarcoma	
[Sarcoma TGLs = 3-14]			
* Liver		Eosinophilic Focus	
		Hepatoblastoma	
		Hepatocellular Adenoma	Multiple
[Eosinophilic Focus TGLs = 10-6]			
[Hepatoblastoma TGLs = 6,7-6+15]			
[Hepatocellular Adenoma TGLs = 8,9-6+7]			
* Lung		Alveolar/Bronchiolar Adenoma	
	Peribronchiolar	Fibrosis	Minimal
	Alv/Bron Epith	Hyperplasia	Mild
	Mediastinum	Sarcoma	Metastatic (Bone)
[Alveolar/Bronchiolar Adenoma TGLs = 5-5]			
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLs = 11-10]			
Skeletal Muscle		Sarcoma	Metastatic (Bone)
[Sarcoma TGLs = 2-16]			

* PROTOCOL REQUIRED TISSUE

Experiment Number: 10472 - 04
Test Type: CHRONIC
Route: RESPIRATORY EXPOSURE WHOLE BODY
Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
p-Chloro-a,a,a-trifluorotoluene
CAS Number: 98-56-6

Date Report Requested: 03/25/2016
Time Report Requested: 09:19:23
First Dose M/F: 01/31/11 / 01/31/11
Lab: BNW

ANIMAL ID: 740

TRT#: 8

SEX: Female

DAY ON TEST: 708

DOSE: 400 ppm

DISP: Natural Death

HISTO: 63200

ORGAN AND ACCOUNTABLE SITE STATUS

* Spleen		Hematopoietic Cell Proliferation	Minimal
* Thymus		Sarcoma	Metastatic (Bone)
	[Sarcoma TGLs = 4-4]		
* Uterus	Endometrium	Hyperplasia	Cystic, Moderate

PRIMARY CAUSE OF DEATH - Skeletal Muscle Sarcoma Bone

Experiment Number: 10472 - 04
 Test Type: CHRONIC
 Route: RESPIRATORY EXPOSURE WHOLE BODY
 Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 p-Chloro-a,a,a-trifluorotoluene
 CAS Number: 98-56-6

Date Report Requested: 03/25/2016
 Time Report Requested: 09:19:23
 First Dose M/F: 01/31/11 / 01/31/11
 Lab: BNW

ANIMAL ID: 741

TRT#: 8

SEX: Female

DAY ON TEST: 464

DOSE: 400 ppm

DISP: Natural Death

HISTO: 63201

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	Blood Vessel	* Bone	* Bone Marrow
* Brain	* Clitoral Gland	* Esophagus	* Eye
* Gallbladder	* Harderian Gland	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Kidney	* Lymph Node, Mandibular	* Lymph Node, Mediastinal
* Lymph Node, Mesenteric	* Mammary Gland	* Ovary	* Pancreas
* Parathyroid Gland	* Pituitary Gland	* Salivary Glands	* Skin
* Spleen	* Stomach, Glandular	* Thyroid Gland	* Trachea
* Urinary Bladder			

OBSERVATIONS

* Adrenal Cortex		Hypertrophy	Mild
* Heart		Inflammation	Mild
		Necrosis	Marked
* Larynx	Squam Epithel	Hyperplasia	Minimal
* Liver		Eosinophilic Focus	
	Centrilobular, Hepatocyte	Hypertrophy	Minimal
	Hepatocyte	Multinucleated	Minimal
	Hepatocyte	Necrosis	Mild
	[Necrosis TGLs = 1-6]		
* Lung	Peribronchiolr	Fibrosis	Minimal
	Alv/Bron Epith	Hyperplasia	Mild
		Inflammation	Mild
		Thrombosis	Minimal
* Lymph Node, Bronchial		Inflammation	Mild
* Nose	Respirat Epith	Accumulation, Hyaline Droplet	Minimal
Pleura		Inflammation	Minimal
* Stomach, Forestomach	Epithelium	Hyperplasia	Minimal
* Thymus		Atrophy	Mild
		Ectopic Parathyroid Gland	
* Uterus	Endometrium	Hyperplasia	Cystic, Minimal

* PROTOCOL REQUIRED TISSUE

Experiment Number: 10472 - 04
Test Type: CHRONIC
Route: RESPIRATORY EXPOSURE WHOLE BODY
Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

p-Chloro-a,a,a-trifluorotoluene

CAS Number: 98-56-6

Date Report Requested: 03/25/2016

Time Report Requested: 09:19:23

First Dose M/F: 01/31/11 / 01/31/11

Lab: BNW

ANIMAL ID: 741

TRT#: 8

SEX: Female

DAY ON TEST: 464

DOSE: 400 ppm

DISP: Natural Death

HISTO: 63201

ORGAN AND ACCOUNTABLE SITE STATUS

PRIMARY CAUSE OF DEATH

- Heart Necrosis

Experiment Number: 10472 - 04
 Test Type: CHRONIC
 Route: RESPIRATORY EXPOSURE WHOLE BODY
 Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 p-Chloro-a,a,a-trifluorotoluene
 CAS Number: 98-56-6

Date Report Requested: 03/25/2016
 Time Report Requested: 09:19:23
 First Dose M/F: 01/31/11 / 01/31/11
 Lab: BNW

ANIMAL ID: 742

TRT#: 8

SEX: Female

DAY ON TEST: 733

DOSE: 400 ppm

DISP: Terminal Sacrifice

HISTO: 63202

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	Blood Vessel	* Bone
* Bone Marrow	* Brain	* Clitoral Gland	* Esophagus
* Eye	* Gallbladder	* Harderian Gland	* Heart
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Kidney
* Larynx	* Lymph Node, Bronchial	* Lymph Node, Mandibular	* Lymph Node, Mediastinal
* Lymph Node, Mesenteric	* Mammary Gland	* Ovary	* Pancreas
* Parathyroid Gland	* Salivary Glands	* Skin	* Stomach, Glandular
* Thyroid Gland	* Trachea	* Urinary Bladder	

OBSERVATIONS

* Liver		Eosinophilic Focus Hepatocellular Adenoma Hepatocellular Carcinoma Hypertrophy	Minimal
	Centrilobular, Hepatocyte		
	[Eosinophilic Focus TGLs = 3-7]		
	[Hepatocellular Adenoma TGLs = 2-6]		
	[Hepatocellular Carcinoma TGLs = 1-14]		
* Lung	Peribronchiolr Alv/Bron Epith	Fibrosis Hyperplasia	Minimal Marked
* Nose	Respirat Epith	Accumulation, Hyaline Droplet	Minimal
* Pituitary Gland	Pars Intermed	Adenoma	
* Spleen	Lymph Follic	Hyperplasia	Mild
* Stomach, Forestomach	Epithelium	Hyperplasia	Mild
* Thymus		Ectopic Parathyroid Gland	
* Uterus	Endometrium	Hyperplasia	Cystic, Minimal

* PROTOCOL REQUIRED TISSUE

Experiment Number: 10472 - 04
 Test Type: CHRONIC
 Route: RESPIRATORY EXPOSURE WHOLE BODY
 Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 p-Chloro-a,a,a-trifluorotoluene
 CAS Number: 98-56-6

Date Report Requested: 03/25/2016
 Time Report Requested: 09:19:23
 First Dose M/F: 01/31/11 / 01/31/11
 Lab: BNW

ANIMAL ID: 743

TRT#: 8

SEX: Female

DAY ON TEST: 570

DOSE: 400 ppm

DISP: Moribund Sacrifice

HISTO: 63203

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	Blood Vessel	* Bone
* Bone Marrow	* Brain	* Clitoral Gland	* Esophagus
* Eye	* Gallbladder	* Harderian Gland	* Heart
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Larynx
* Mammary Gland	* Pancreas	* Parathyroid Gland	* Pituitary Gland
* Salivary Glands	* Skin	* Stomach, Forestomach	* Stomach, Glandular
* Thyroid Gland	* Trachea		

OBSERVATIONS

* Kidney		Lymphoma Malignant	
* Liver		Lymphoma Malignant	
* Lung		Alveolar/Bronchiolar Carcinoma	Multiple
	Peribronchiolr	Fibrosis	Minimal
	Alv/Bron Epith	Hyperplasia	Mild
		Lymphoma Malignant	
	[Alveolar/Bronchiolar Carcinoma	TGLs = 2-5]	
Lymph Node	Iliac	Angiectasis	Mild
	Renal	Lymphoma Malignant	
	Iliac	Lymphoma Malignant	
	[Lymphoma Malignant	TGLs = 4-7]	
	[Lymphoma Malignant	TGLs = 5-14]	
* Lymph Node, Bronchial		Alveolar/Bronchiolar Carcinoma	Metastatic (Lung)
		Lymphoma Malignant	
	[Lymphoma Malignant	TGLs = 3-5]	
* Lymph Node, Mandibular		Lymphoma Malignant	
* Lymph Node, Mediastinal		Lymphoma Malignant	
	[Lymphoma Malignant	TGLs = 1-4]	
* Lymph Node, Mesenteric		Lymphoma Malignant	
* Nose	Olfactory Epi	Accumulation, Hyaline Droplet	Minimal
* Ovary		Lymphoma Malignant	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 10472 - 04
Test Type: CHRONIC
Route: RESPIRATORY EXPOSURE WHOLE BODY
Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
p-Chloro-a,a,a-trifluorotoluene
CAS Number: 98-56-6

Date Report Requested: 03/25/2016
Time Report Requested: 09:19:23
First Dose M/F: 01/31/11 / 01/31/11
Lab: BNW

ANIMAL ID: 743

TRT#: 8

SEX: Female

DAY ON TEST: 570

DOSE: 400 ppm

DISP: Moribund Sacrifice

HISTO: 63203

ORGAN AND ACCOUNTABLE SITE STATUS

* Spleen		Lymphoma Malignant	
* Thymus		Alveolar/Bronchiolar Carcinoma	Metastatic (Lung)
		Lymphoma Malignant	
* Urinary Bladder		Lymphoma Malignant	
* Uterus	Endometrium	Hyperplasia	Cystic, Mild

PRIMARY CAUSE OF DEATH - Lung Alveolar/Bronchiolar Carcinoma

Experiment Number: 10472 - 04
 Test Type: CHRONIC
 Route: RESPIRATORY EXPOSURE WHOLE BODY
 Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 p-Chloro-a,a,a-trifluorotoluene
 CAS Number: 98-56-6

Date Report Requested: 03/25/2016
 Time Report Requested: 09:19:23
 First Dose M/F: 01/31/11 / 01/31/11
 Lab: BNW

ANIMAL ID: 744

TRT#: 8

SEX: Female

DAY ON TEST: 732

DOSE: 400 ppm

DISP: Terminal Sacrifice

HISTO: 63204

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	Blood Vessel	* Bone	* Bone Marrow
* Brain	* Clitoral Gland	* Esophagus	* Eye
* Gallbladder	* Harderian Gland	* Heart	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Kidney	* Larynx
* Lymph Node, Bronchial	* Lymph Node, Mandibular	* Lymph Node, Mediastinal	* Lymph Node, Mesenteric
* Mammary Gland	* Ovary	* Pancreas	* Parathyroid Gland
* Pituitary Gland	* Salivary Glands	* Skin	* Stomach, Forestomach
* Stomach, Glandular	* Thyroid Gland	* Trachea	* Urinary Bladder

OBSERVATIONS

* Adrenal Cortex		Hypertrophy	Minimal
* Liver		Clear Cell Focus	
		Eosinophilic Focus	
		Hepatocellular Adenoma	Multiple
	Centrilobular, Hepatocyte	Hypertrophy	Minimal
[Hepatocellular Adenoma	TGLs = 1,2-7+14]		
* Lung	Peribronchiolr	Fibrosis	Minimal
	Alv/Bron Epith	Hyperplasia	Marked
Mesentery	Fat	Necrosis	Minimal
[Necrosis	TGLs = 3-7]		
* Nose	Respirat Epith	Accumulation, Hyaline Droplet	Minimal
* Spleen	Lymph Follic	Hyperplasia	Minimal
* Thymus		Ectopic Parathyroid Gland	
* Uterus	Endometrium	Hyperplasia	Cystic, Moderate
[Hyperplasia	TGLs = 4-10]		

Experiment Number: 10472 - 04
 Test Type: CHRONIC
 Route: RESPIRATORY EXPOSURE WHOLE BODY
 Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 p-Chloro-a,a,a-trifluorotoluene
 CAS Number: 98-56-6

Date Report Requested: 03/25/2016
 Time Report Requested: 09:19:23
 First Dose M/F: 01/31/11 / 01/31/11
 Lab: BNW

ANIMAL ID: 745

TRT#: 8

SEX: Female

DAY ON TEST: 723

DOSE: 400 ppm

DISP: Moribund Sacrifice

HISTO: 63205

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	Blood Vessel	* Bone
* Bone Marrow	* Brain	* Clitoral Gland	* Esophagus
* Eye	* Gallbladder	* Harderian Gland	* Heart
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Larynx
* Lymph Node, Bronchial	* Lymph Node, Mandibular	* Lymph Node, Mediastinal	* Lymph Node, Mesenteric
* Mammary Gland	* Nose	* Ovary	* Pancreas
* Parathyroid Gland	* Salivary Glands	* Skin	* Spleen
* Stomach, Forestomach	* Stomach, Glandular	* Thyroid Gland	* Trachea
* Urinary Bladder			

OBSERVATIONS

* Kidney		Infarct	Minimal
* Liver		Eosinophilic Focus	
		Hepatocellular Carcinoma	Multiple
	Centrilobular, Hepatocyte	Hypertrophy	Minimal
	Hepatocyte	Multinucleated	Minimal
[Hepatocellular Carcinoma	TGLs = 1,2,3,4,5-6+7+14+15+16]		
* Lung	Peribronchiolr	Fibrosis	Minimal
	Alv/Bron Epith	Hyperplasia	Marked
		Pigmentation	Minimal
Mesentery	Fat	Necrosis	Minimal
[Necrosis	TGLs = 6-18]		
* Pituitary Gland	Pars Distalis	Hyperplasia	Mild
* Thymus		Ectopic Parathyroid Gland	
* Uterus	Endometrium	Hyperplasia	Cystic, Moderate
[Hyperplasia	TGLs = 7-10]		

PRIMARY CAUSE OF DEATH - Liver Hepatocellular Carcinoma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 10472 - 04
Test Type: CHRONIC
Route: RESPIRATORY EXPOSURE WHOLE BODY
Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
p-Chloro-a,a,a-trifluorotoluene
CAS Number: 98-56-6

Date Report Requested: 03/25/2016
Time Report Requested: 09:19:23
First Dose M/F: 01/31/11 / 01/31/11
Lab: BNW

ANIMAL ID: 746

TRT#: 8

SEX: Female

DAY ON TEST: 710

DOSE: 400 ppm

DISP: Natural Death

HISTO: 63206

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	Blood Vessel	* Bone Marrow
* Brain	* Clitoral Gland	* Esophagus	* Eye
* Gallbladder	* Harderian Gland	* Heart	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Kidney	* Larynx
* Lymph Node, Bronchial	* Lymph Node, Mandibular	* Lymph Node, Mediastinal	* Lymph Node, Mesenteric
* Mammary Gland	* Nose	* Ovary	* Pancreas
* Pituitary Gland	* Salivary Glands	* Skin	* Spleen
* Stomach, Forestomach	* Stomach, Glandular	* Thyroid Gland	* Trachea
* Urinary Bladder			

MISSING

* Parathyroid Gland

OBSERVATIONS

* Bone		Fibro-Osseous Lesion	Mild
* Liver		Hepatocellular Adenoma	Multiple
		Hepatocellular Carcinoma	
	Hepatocyte	Multinucleated	Minimal
	[Hepatocellular Adenoma TGLs = 2,3,4-6+7+14]		
	[Hepatocellular Carcinoma TGLs = 2-6]		
* Lung	Peribronchiolr	Fibrosis	Minimal
	Alv/Bron Epith	Hyperplasia	Moderate
* Thymus		Atrophy	Mild
* Uterus	Endometrium	Hyperplasia	Cystic, Marked
	[Hyperplasia TGLs = 1-10]		

PRIMARY CAUSE OF DEATH - Liver Hepatocellular Carcinoma

Experiment Number: 10472 - 04
 Test Type: CHRONIC
 Route: RESPIRATORY EXPOSURE WHOLE BODY
 Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

p-Chloro-a,a,a-trifluorotoluene

CAS Number: 98-56-6

Date Report Requested: 03/25/2016

Time Report Requested: 09:19:23

First Dose M/F: 01/31/11 / 01/31/11

Lab: BNW

ANIMAL ID: 747

TRT#: 8

SEX: Female

DAY ON TEST: 733

DOSE: 400 ppm

DISP: Terminal Sacrifice

HISTO: 63207

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	Blood Vessel	* Bone	* Bone Marrow
* Brain	* Clitoral Gland	* Esophagus	* Eye
* Gallbladder	* Heart	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Larynx	* Lymph Node, Bronchial	* Lymph Node, Mandibular
* Lymph Node, Mediastinal	* 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 Cortex		Degeneration	Minimal
		Hypertrophy	Mild
* Harderian Gland		Adenoma	
* Kidney		Infarct	Minimal
* Liver		Clear Cell Focus	
		Eosinophilic Focus	
		Hepatocellular Adenoma	Multiple
	Centrilobular, Hepatocyte	Hypertrophy	Mild
	Hepatocyte	Multinucleated	Mild
	[Hepatocellular Adenoma TGLs = 2,3,4,5,6-6+7+14+15+16]		
* Lung	Peribronchiolr	Fibrosis	Minimal
	Alv/Bron Epith	Hyperplasia	Moderate
* Nose	Respirat Epith	Accumulation, Hyaline Droplet	Minimal
* Spleen		Histiocytic Sarcoma	
	[Histiocytic Sarcoma TGLs = 1-6]		
* Uterus	Endometrium	Hyperplasia	Cystic, Mild

* PROTOCOL REQUIRED TISSUE

Experiment Number: 10472 - 04
 Test Type: CHRONIC
 Route: RESPIRATORY EXPOSURE WHOLE BODY
 Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 p-Chloro-a,a,a-trifluorotoluene
 CAS Number: 98-56-6

Date Report Requested: 03/25/2016
 Time Report Requested: 09:19:23
 First Dose M/F: 01/31/11 / 01/31/11
 Lab: BNW

ANIMAL ID: 748

TRT#: 8

SEX: Female

DAY ON TEST: 731

DOSE: 400 ppm

DISP: Terminal Sacrifice

HISTO: 63208

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	Blood Vessel	* Bone	* Bone Marrow
* Brain	* Clitoral Gland	* Esophagus	* Eye
* Gallbladder	* Harderian Gland	* Heart	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Kidney	* Larynx
* Lymph Node, Bronchial	* Lymph Node, Mandibular	* Lymph Node, Mediastinal	* Lymph Node, Mesenteric
* Mammary Gland	* Pancreas	* Parathyroid Gland	* Pituitary Gland
* Skin	* Stomach, Forestomach	* Stomach, Glandular	* Thyroid Gland
* Trachea	* Urinary Bladder		

OBSERVATIONS

* Adrenal Cortex		Hypertrophy	Mild
* Liver		Eosinophilic Focus	
		Hepatocellular Adenoma	Multiple
		Hepatocellular Carcinoma	Multiple
	Centrilobular, Hepatocyte	Hypertrophy	Minimal
	[Hepatocellular Adenoma TGLs = 1,5-7+14]		
	[Hepatocellular Carcinoma TGLs = 2,3,4,6-6+15+16+17]		
* Lung	Peribronchiolr	Fibrosis	Minimal
	Alv/Bron Epith	Hyperplasia	Moderate
Lymph Node	Renal	Ectasia	Mild
	[Ectasia TGLs = 8-20]		
Mesentery	Fat	Necrosis	Minimal
	[Necrosis TGLs = 7-19]		
* Nose	Respirat Epith	Accumulation, Hyaline Droplet	Minimal
		Inflammation	Suppurative, Minimal
	Respirat Epith	Metaplasia	Squamous, Minimal
* Ovary		Cyst	Moderate
	[Cyst TGLs = 9-9]		
* Salivary Glands		Infiltration Cellular	Mononuclear CI, Mild
* Spleen	Lymph Follic	Hyperplasia	Moderate

* PROTOCOL REQUIRED TISSUE

Experiment Number: 10472 - 04
Test Type: CHRONIC
Route: RESPIRATORY EXPOSURE WHOLE BODY
Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

p-Chloro-a,a,a-trifluorotoluene

CAS Number: 98-56-6

Date Report Requested: 03/25/2016

Time Report Requested: 09:19:23

First Dose M/F: 01/31/11 / 01/31/11

Lab: BNW

ANIMAL ID: 748

TRT#: 8

SEX: Female

DAY ON TEST: 731

DOSE: 400 ppm

DISP: Terminal Sacrifice

HISTO: 63208

ORGAN AND ACCOUNTABLE SITE STATUS

* Thymus

Ectopic Parathyroid Gland

* Uterus

Endometrium

Hyperplasia

Cystic, Moderate

Experiment Number: 10472 - 04
 Test Type: CHRONIC
 Route: RESPIRATORY EXPOSURE WHOLE BODY
 Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 p-Chloro-a,a,a-trifluorotoluene
 CAS Number: 98-56-6

Date Report Requested: 03/25/2016
 Time Report Requested: 09:19:23
 First Dose M/F: 01/31/11 / 01/31/11
 Lab: BNW

ANIMAL ID: 749

TRT#: 8

SEX: Female

DAY ON TEST: 704

DOSE: 400 ppm

DISP: Moribund Sacrifice

HISTO: 63209

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	Blood Vessel	* Bone	* Bone Marrow
* Brain	* Clitoral Gland	* Esophagus	* Eye
* Gallbladder	* Harderian Gland	* Heart	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Larynx	* Lymph Node, Bronchial
* Lymph Node, Mandibular	* Lymph Node, Mediastinal	* Lymph Node, Mesenteric	* Mammary Gland
* Nose	* Ovary	* Pancreas	* Pituitary Gland
* Salivary Glands	* Skin	* Stomach, Glandular	* Thyroid Gland
* Trachea	* Urinary Bladder		

MISSING

* Parathyroid Gland

OBSERVATIONS

* Adrenal Cortex		Hypertrophy	Mild
		Vacuolization Cytoplasmic	Minimal
* Kidney		Nephropathy	Minimal
* Liver		Eosinophilic Focus	
		Hepatocellular Adenoma	
		Hepatocellular Carcinoma	Multiple
	[Hepatocellular Adenoma TGLs = 2-7]		
	[Hepatocellular Carcinoma TGLs = 1,3,4-6+14+16]		
* Lung	Peribronchiolr	Fibrosis	Minimal
	Alv/Bron Epith	Hyperplasia	Mild
* Spleen	Lymph Follic	Hyperplasia	Mild
* Stomach, Forestomach		Inflammation	Minimal
* Thymus		Atrophy	Moderate
* Uterus	Endometrium	Hyperplasia	Cystic, Mild

PRIMARY CAUSE OF DEATH - Liver Hepatocellular Carcinoma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 10472 - 04
Test Type: CHRONIC
Route: RESPIRATORY EXPOSURE WHOLE BODY
Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 p-Chloro-a,a,a-trifluorotoluene
CAS Number: 98-56-6

Date Report Requested: 03/25/2016
Time Report Requested: 09:19:23
First Dose M/F: 01/31/11 / 01/31/11
Lab: BNW

ANIMAL ID: 750

TRT#: 8

SEX: Female

DAY ON TEST: 642

DOSE: 400 ppm

DISP: Moribund Sacrifice

HISTO: 63210

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	Blood Vessel	* Bone Marrow
* Brain	* Esophagus	* Eye	* Gallbladder
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Larynx
* Lymph Node, Bronchial	* Mammary Gland	* Ovary	* Pancreas
* Parathyroid Gland	* Pituitary Gland	* Salivary Glands	* Stomach, Glandular
* Thyroid Gland	* Trachea	* Urinary Bladder	

MISSING

* Clitoral Gland	* Lymph Node, Mediastinal
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OBSERVATIONS

* Bone		Fibro-Osseous Lesion	Mild
* Harderian Gland		Adenoma	
	[Adenoma TGLs = 2-12]		
* Heart		Cardiomyopathy	Minimal
* Kidney		Nephropathy	Minimal
* Liver		Hepatocellular Adenoma	
		Hepatocellular Carcinoma	
	Hepatocyte	Multinucleated	Minimal
	[Hepatocellular Adenoma TGLs = 6-6]		
	[Hepatocellular Carcinoma TGLs = 5-7]		
* Lung		Alveolar/Bronchiolar Adenoma	
	Peribronchiolr	Fibrosis	Minimal
	Alv/Bron Epith	Hyperplasia	Mild
	[Alveolar/Bronchiolar Adenoma TGLs = 4-5]		
* Lymph Node, Mandibular		Hyperplasia	Lymphoid, Minimal
* Lymph Node, Mesenteric		Hyperplasia	Lymphoid, Minimal
* Nose	Olfactory Epi	Accumulation, Hyaline Droplet	Minimal
* Skin		Inflammation	Marked
	[Inflammation TGLs = 1-14]		
* Spleen		Hematopoietic Cell Proliferation	Mild

* PROTOCOL REQUIRED TISSUE

Experiment Number: 10472 - 04
Test Type: CHRONIC
Route: RESPIRATORY EXPOSURE WHOLE BODY
Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
p-Chloro-a,a,a-trifluorotoluene
CAS Number: 98-56-6

Date Report Requested: 03/25/2016
Time Report Requested: 09:19:23
First Dose M/F: 01/31/11 / 01/31/11
Lab: BNW

ANIMAL ID: 750

TRT#: 8

SEX: Female

DAY ON TEST: 642

DOSE: 400 ppm

DISP: Moribund Sacrifice

HISTO: 63210

ORGAN AND ACCOUNTABLE SITE STATUS

[Hematopoietic Cell Proliferation TGLs = 3-6]

* Stomach, Forestomach

Epithelium

Hyperplasia

Minimal

* Thymus

Atrophy

Minimal

* Uterus

Endometrium

Hyperplasia

Cystic, Mild

PRIMARY CAUSE OF DEATH

- Liver Hepatocellular Carcinoma

*** END OF REPORT ***