

Experiment Number: 05135-05
Test Type: SIX MONTH EXPOS.
Route: RESPIRATORY EXPOSURE WHOLE BODY
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Isoprene
CAS Number: 78-79-5

Date Report Requested: 10/16/2014
Time Report Requested: 02:39:34
First Dose M/F: NA / NA
Lab: BNW

C Number:	C61825C
Lock Date:	Not Entered.
Cage Range:	All
Date Range:	All
Reasons For Removal:	All
Removal Date Range:	All
Treatment Groups:	All
Study Gender:	Male
PWG Approval Date	NONE

Experiment Number: 05135-05

Test Type: SIX MONTH EXPOS.

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Isoprene

CAS Number: 78-79-5

Date Report Requested: 10/16/2014

Time Report Requested: 02:39:34

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 11

TRT#: 1

DOSE: CONTROL

SEX: Male

DISP: Terminal Sacrifice

DAY ON TEST: 368

HISTO: 19181

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- | | | | |
|---------------------------|-----------------------------|--------------------------|----------------------------|
| * Adrenal Cortex | * Adrenal Medulla | * Blood Vessel | * Bone |
| * Bone Marrow | * 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, Mandibular | * Lymph Node, Mesenteric |
| * Nose | * Pancreas | * Parathyroid Gland | * Peripheral Nerve |
| * Pharynx | * Preputial Gland | * Prostate | * Salivary Glands |
| * Seminal Vesicle | * Skin | * Spinal Cord | * Spleen |
| * Stomach, Forestomach | * Stomach, Glandular | * Thymus | * Thyroid Gland |
| * Trachea | | | |

MISSING

- | | |
|-------------------------|-----------------|
| * Lymph Node, Bronchial | * Mammary Gland |
|-------------------------|-----------------|

OBSERVATIONS

- | | | | |
|--|-----------|--------------|----------------------|
| * Blood Vessel
Note: Aorta is normal. | | | |
| * Kidney | Bilateral | Nephropathy | Chronic, Mild |
| * Liver | | Fatty Change | Minimal |
| | | Fibrosis | Multifocal, Minimal |
| | | Inflammation | Multifocal, Mild |
| Note: Fibrosis is cholangiofibrosis.
[Fatty Change TGLS = 1-13] | | | |
| * Lung | | Hemorrhage | Multifocal, Moderate |
| Note: Hemorrhage is subpleural.
[Hemorrhage TGLS = 2-3] | | | |
| * Lym Node Bron | | | |
| Note: Tracheobronchial Lymph node is missing. | | | |
| * Lymph Node, Mediastinal | | Congestion | |
| | | Pigmentation | Hemosiderin |
| Note: Red Blood Cells present in cortical and/or medullary sinuses. | | | |
| * Perph Nerve | | | |

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05135-05
Test Type: SIX MONTH EXPOS.
Route: RESPIRATORY EXPOSURE WHOLE BODY
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Isoprene
CAS Number: 78-79-5

Date Report Requested: 10/16/2014
Time Report Requested: 02:39:34
First Dose M/F: NA / NA
Lab: BNW

ANIMAL ID: 11	TRT#: 1 DOSE: CONTROL	SEX: Male DISP: Terminal Sacrifice	DAY ON TEST: 368 HISTO: 19181
----------------------	--	---	--

ORGAN AND ACCOUNTABLE SITE STATUS

Note: Sciatic nerve is normal.

* Pituitary Gland		Hyperplasia	Minimal
* Testes	Interstit Cell	Adenoma	
	Interstit Cell	Hyperplasia	Marked
* Urinary Bladder		Calculus Micro Observation Only	

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05135-05

Test Type: SIX MONTH EXPOS.

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Isoprene

CAS Number: 78-79-5

Date Report Requested: 10/16/2014

Time Report Requested: 02:39:34

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 12

TRT#: 1

SEX: Male

DAY ON TEST: 368

DOSE: CONTROL

DISP: Terminal Sacrifice

HISTO: 19182

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Mammary Gland

OBSERVATIONS

* Blood Vessel			
Note: Aorta is normal.			
* Epididymis		Hemorrhage Inflammation	Minimal Chronic, Minimal
Note: Hemorrhage and inflammation in epididymal fat pad.			
[Hemorrhage TGLS = 1-13]			
[Inflammation TGLS = 1-13]			
* Heart		Cardiomyopathy	Focal, Minimal
* Kidney	Bilateral	Nephropathy	Chronic, Minimal
* Lung		Hemorrhage	Multifocal, Moderate
Note: Hemorrhage is subpleural.			
[Hemorrhage TGLS = 2-3]			
* Lymph Node, Bronchial		Congestion	
Note: Tracheobronchial lymph node has red blood cells present in subcapsular and/or medullary sinuses.			
* Lymph Node, Mediastinal		Congestion Pigmentation	Hemosiderin
Note: Red blood cells are present in cortical and/or medullary sinuses.			

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05135-05
Test Type: SIX MONTH EXPOS.
Route: RESPIRATORY EXPOSURE WHOLE BODY
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Isoprene
CAS Number: 78-79-5

Date Report Requested: 10/16/2014
Time Report Requested: 02:39:34
First Dose M/F: NA / NA
Lab: BNW

ANIMAL ID: 12	TRT#: 1 DOSE: CONTROL	SEX: Male DISP: Terminal Sacrifice	DAY ON TEST: 368 HISTO: 19182
----------------------	--	---	--

ORGAN AND ACCOUNTABLE SITE STATUS

* Perph Nerve
Note: Sciatic nerve is normal.

* Testes	Interstit Cell	Degeneration Hyperplasia	Minimal Marked
----------	----------------	-----------------------------	-------------------

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05135-05

Test Type: SIX MONTH EXPOS.

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Isoprene

CAS Number: 78-79-5

Date Report Requested: 10/16/2014

Time Report Requested: 02:39:34

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 13

TRT#: 1

SEX: Male

DAY ON TEST: 368

DOSE: CONTROL

DISP: Terminal Sacrifice

HISTO: 19183

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- * Adrenal Cortex
- * Bone Marrow
- * Eye
- * Intestine Large, Rectum
- * Islets, Pancreatic
- * Lymph Node, Bronchial
- * Nose
- * Pituitary Gland
- * Seminal Vesicle
- * Stomach, Forestomach
- * Trachea

- * Adrenal Medulla
- * Brain
- * Heart
- * Intestine Small, Duodenum
- * Kidney
- * Lymph Node, Mandibular
- * Parathyroid Gland
- * Preputial Gland
- * Skin
- * Stomach, Glandular
- * Urinary Bladder

- * Blood Vessel
- * Epididymis
- * Intestine Large, Cecum
- * Intestine Small, Ileum
- * Larynx
- * Lymph Node, Mediastinal
- * Peripheral Nerve
- * Prostate
- * Spinal Cord
- * Thymus

- * Bone
- * Esophagus
- * Intestine Large, Colon
- * Intestine Small, Jejunum
- * Liver
- * Lymph Node, Mesenteric
- * Pharynx
- * Salivary Glands
- * Spleen
- * Thyroid Gland

MISSING

- * Mammary Gland

OBSERVATIONS

- * Blood Vessel
Note: Aorta is normal.

- * Lung
Alveolus
Hemorrhage
Hemorrhage
Hyperplasia
Minimal
Mild
Multifocal, Minimal
Note: Hemorrhage, mild is subpleural.
Note: Hyperplasia is type 2 cell.
[Hemorrhage TGLS = 1-3]

- * Lym Node Bron
Note: Tracheobronchial lymph node is normal.

- * Pancreas
Atrophy
Multifocal, Minimal
Note: Atrophy is exocrine.

- * Perph Nerve
Note: Sciatic nerve is normal.

- * Testes
Interstit Cell
Hyperplasia
Moderate

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05135-05
Test Type: SIX MONTH EXPOS.
Route: RESPIRATORY EXPOSURE WHOLE BODY
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Isoprene
CAS Number: 78-79-5

Date Report Requested: 10/16/2014
Time Report Requested: 02:39:34
First Dose M/F: NA / NA
Lab: BNW

ANIMAL ID: 13

TRT#: 1

SEX: Male

DAY ON TEST: 368

DOSE: CONTROL

DISP: Terminal Sacrifice

HISTO: 19183

ORGAN AND ACCOUNTABLE SITE STATUS

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05135-05

Test Type: SIX MONTH EXPOS.

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Isoprene

CAS Number: 78-79-5

Date Report Requested: 10/16/2014

Time Report Requested: 02:39:34

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 14

TRT#: 1

SEX: Male

DAY ON TEST: 186

DOSE: CONTROL

DISP: Scheduled Sacrifice

HISTO: 19184

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Mammary Gland

OBSERVATIONS

* Blood Vessel			
Note: Aorta is normal.			
* Heart		Cardiomyopathy	Multifocal, Mild
* Lung		Hemorrhage	Multifocal, Mild
	Peribronchial	Hyperplasia	Lymphoid, Multifocal, Minimal
	Perivascular	Hyperplasia	Lymphoid, Multifocal, Minimal
Note: Hemorrhage is subpleural.			
[Hemorrhage TGLS = 1-3]			
* Lymph Node, Bronchial		Congestion	
Note: Tracheobronchial lymph node has red blood cells present in subcapsular and/or medullary sinuses.			
* Lymph Node, Mediastinal		Congestion	
		Hyperplasia	
Note: Hyperplasia is reactive.			
Note: Red blood cells are present in cortical and/or medullary sinuses.			
* Perph Nerve			
Note: Sciatic nerve is normal.			
* Pituitary Gland		Hyperplasia	Minimal

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05135-05
Test Type: SIX MONTH EXPOS.
Route: RESPIRATORY EXPOSURE WHOLE BODY
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Isoprene
CAS Number: 78-79-5

Date Report Requested: 10/16/2014
Time Report Requested: 02:39:34
First Dose M/F: NA / NA
Lab: BNW

ANIMAL ID: 14

TRT#: 1

SEX: Male

DAY ON TEST: 186

DOSE: CONTROL

DISP: Scheduled Sacrifice

HISTO: 19184

ORGAN AND ACCOUNTABLE SITE STATUS

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05135-05

Test Type: SIX MONTH EXPOS.

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Isoprene

CAS Number: 78-79-5

Date Report Requested: 10/16/2014

Time Report Requested: 02:39:34

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 15

TRT#: 1

SEX: Male

DAY ON TEST: 368

DOSE: CONTROL

DISP: Terminal Sacrifice

HISTO: 19185

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Blood Vessel	* Bone
* Bone Marrow	* 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	* Liver	* Lymph Node, Mesenteric
* Nose	* Pancreas	* Parathyroid Gland	* Peripheral Nerve
* Pharynx	* Pituitary Gland	* Preputial Gland	* Prostate
* Salivary Glands	* Seminal Vesicle	* Skin	* Spinal Cord
* Spleen	* Stomach, Forestomach	* Stomach, Glandular	* Thymus
* Thyroid Gland	* Trachea	* Urinary Bladder	

MISSING

* Lymph Node, Bronchial	* Lymph Node, Mediastinal	* Mammary Gland	
-------------------------	---------------------------	-----------------	--

OBSERVATIONS

* Blood Vessel Note: Aorta is normal.			
* Kidney	Bilateral	Nephropathy	Chronic, Minimal
* Lung Note: Hemorrhage is subpleural. [Hemorrhage TGLS = 1-3]		Hemorrhage	Multifocal, Mild
* Lym Node Bron Note: Tracheobronchial lymph node is missing.			
* Lymph Node, Mandibular Note: Red blood cells are present in cortical and/or medullary sinuses.		Congestion	
* Perph Nerve Note: Sciatic nerve is normal.			
* Testes	Interstit Cell	Hyperplasia	Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05135-05

Test Type: SIX MONTH EXPOS.

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Isoprene

CAS Number: 78-79-5

Date Report Requested: 10/16/2014

Time Report Requested: 02:39:34

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 16

TRT#: 1

SEX: Male

DAY ON TEST: 186

DOSE: CONTROL

DISP: Scheduled Sacrifice

HISTO: 19186

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex
* Bone Marrow
* Eye
* Intestine Small, Duodenum
* Kidney
* Nose
* Pharynx
* Seminal Vesicle
* Stomach, Forestomach
* Thyroid Gland

* Adrenal Medulla
* Brain
* Intestine Large, Cecum
* Intestine Small, Ileum
* Larynx
* Pancreas
* Pituitary Gland
* Skin
* Stomach, Glandular
* Trachea

* Blood Vessel
* Epididymis
* Intestine Large, Colon
* Intestine Small, Jejunum
* Liver
* Parathyroid Gland
* Prostate
* Spinal Cord
* Testes
* Urinary Bladder

* Bone
* Esophagus
* Intestine Large, Rectum
* Islets, Pancreatic
* Lymph Node, Mesenteric
* Peripheral Nerve
* Salivary Glands
* Spleen
* Thymus

MISSING

* Lymph Node, Mandibular

* Mammary Gland

OBSERVATIONS

* Blood Vessel
Note: Aorta is normal.

* Heart
* Lung

Cardiomyopathy
Hemorrhage
Hyperplasia

Multifocal, Mild
Multifocal, Moderate
Lymphoid, Focal, Mild

Note: Hemorrhage is subpleural.
[Hemorrhage TGLS = 1-3]

* Lymph Node, Bronchial

Congestion

Note: Tracheobronchial lymph node has red blood cells present in subcapsular and/or medullary sinuses.

* Lymph Node, Mediastinal

Congestion
Hyperplasia

Note: Red blood cells are present in cortical and/or medullary sinuses.
Note: Hyperplasia is reactive.
[Congestion TGLS = 2-2]

* Perph Nerve

Note: Sciatic nerve is normal.

* Preputial Gland

Inflammation

Suppurative, Mild

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05135-05
Test Type: SIX MONTH EXPOS.
Route: RESPIRATORY EXPOSURE WHOLE BODY
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Isoprene
CAS Number: 78-79-5

Date Report Requested: 10/16/2014
Time Report Requested: 02:39:34
First Dose M/F: NA / NA
Lab: BNW

ANIMAL ID: 16

TRT#: 1

SEX: Male

DAY ON TEST: 186

DOSE: CONTROL

DISP: Scheduled Sacrifice

HISTO: 19186

ORGAN AND ACCOUNTABLE SITE STATUS

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05135-05

Test Type: SIX MONTH EXPOS.

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Isoprene

CAS Number: 78-79-5

Date Report Requested: 10/16/2014

Time Report Requested: 02:39:34

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 17

TRT#: 1

SEX: Male

DAY ON TEST: 368

DOSE: CONTROL

DISP: Terminal Sacrifice

HISTO: 19187

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

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

OBSERVATIONS

* Adrenal Cortex		Vacuolization Cytoplasmic	Focal, Minimal
* Blood Vessel			
Note: Aorta is normal.			
Harderian Gland		Hyperplasia	Lymphoid, Minimal
Note: Hyperplasia is reactive.			
* Heart		Cardiomyopathy	Multifocal, Minimal
* Kidney	Bilateral	Nephropathy	Chronic, Minimal
* Lung		Hemorrhage	Multifocal, Marked
Note: Hemorrhage is subpleural.			
[Hemorrhage TGLS = 2-3]			
* Lymph Node, Bronchial		Congestion	
Note: Tracheobronchial lymph node has red blood cells present in subcapsular and/or medullary sinuses.			
* Perph Nerve			
Note: Sciatic nerve is normal.			
* Testes	Interstit Cell	Hyperplasia	Marked

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05135-05

Test Type: SIX MONTH EXPOS.

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Isoprene

CAS Number: 78-79-5

Date Report Requested: 10/16/2014

Time Report Requested: 02:39:34

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 18

TRT#: 1

SEX: Male

DAY ON TEST: 368

DOSE: CONTROL

DISP: Terminal Sacrifice

HISTO: 19188

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Lymph Node, Bronchial	* Mammary Gland
-------------------------	-----------------

OBSERVATIONS

* Blood Vessel			
Note: Aorta is normal.			
* Heart		Cardiomyopathy	Multifocal, Minimal
* Kidney	Bilateral	Nephropathy	Chronic, Minimal
* Lung		Hemorrhage	Multifocal, Marked
Note: Hemorrhage is subpleural.			
[Hemorrhage TGLS = 1-3]			
* Lym Node Bron			
Note: Tracheobronchial lymph node is missing.			
Lymph Node	Pancreatic	Congestion	
Note: Red blood cells are present in subcapsular and/or medullary sinuses.			
* Lymph Node, Mediastinal		Congestion	
Note: Red blood cells are present in cortical and/or medullary sinuses.			
* Nose	Turbinate	Inflammation	Suppurative, Minimal
* Perph Nerve			
Note: Sciatic nerve is normal.			
* Testes	Interstit Cell	Hyperplasia	Marked

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05135-05
Test Type: SIX MONTH EXPOS.
Route: RESPIRATORY EXPOSURE WHOLE BODY
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Isoprene
CAS Number: 78-79-5

Date Report Requested: 10/16/2014
Time Report Requested: 02:39:34
First Dose M/F: NA / NA
Lab: BNW

ANIMAL ID: 18

TRT#: 1

SEX: Male

DAY ON TEST: 368

DOSE: CONTROL

DISP: Terminal Sacrifice

HISTO: 19188

ORGAN AND ACCOUNTABLE SITE STATUS

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05135-05
Test Type: SIX MONTH EXPOS.
Route: RESPIRATORY EXPOSURE WHOLE BODY
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Isoprene
CAS Number: 78-79-5

Date Report Requested: 10/16/2014
Time Report Requested: 02:39:34
First Dose M/F: NA / NA
Lab: BNW

ANIMAL ID: 19

TRT#: 1
DOSE: CONTROL

SEX: Male
DISP: Terminal Sacrifice

DAY ON TEST: 368
HISTO: 19189

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Blood Vessel	* Bone
* Bone Marrow	* 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	* Liver	* Lymph Node, Mesenteric
* Nose	* Parathyroid Gland	* Peripheral Nerve	* Pharynx
* Preputial Gland	* Prostate	* Salivary Glands	* Seminal Vesicle
* Skin	* Spinal Cord	* Spleen	* Stomach, Forestomach
* Stomach, Glandular	* Thymus	* Thyroid Gland	* Trachea
* Urinary Bladder			

MISSING

* Lymph Node, Bronchial	* Mammary Gland
-------------------------	-----------------

OBSERVATIONS

* Blood Vessel Note: Aorta is normal			
Harderian Gland Note: Hemorrhage is probably due to blood collection from the orbital sinus prior to necropsy. [Hemorrhage TGLS = 2-10]		Hemorrhage	
* Kidney Note: Hemorrhage is subpleural. [Hemorrhage TGLS = 1-3]	Bilateral	Nephropathy	Chronic, Minimal
* Lung Note: Hemorrhage is subpleural. [Hemorrhage TGLS = 1-3]		Hemorrhage	Multifocal, Moderate
* Lym Node Bron Note: Tracheobronchial lymph node is missing.			
* Lymph Node, Mandibular Note: Hyperplasia is reactive.		Hyperplasia	
* Lymph Node, Mediastinal Note: Red blood cells are present in cortical and/or medullary sinuses.		Congestion	
* Pancreas Note: Atrophy is exocrine.		Atrophy	Minimal

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05135-05
Test Type: SIX MONTH EXPOS.
Route: RESPIRATORY EXPOSURE WHOLE BODY
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Isoprene
CAS Number: 78-79-5

Date Report Requested: 10/16/2014
Time Report Requested: 02:39:34
First Dose M/F: NA / NA
Lab: BNW

ANIMAL ID: 19	TRT#: 1	SEX: Male	DAY ON TEST: 368
	DOSE: CONTROL	DISP: Terminal Sacrifice	HISTO: 19189

ORGAN AND ACCOUNTABLE SITE STATUS

* Perph Nerve

Note: Sciatic nerve is normal.

* Pituitary Gland

Hyperplasia

Minimal

* Testes

Interstit Cell

Hyperplasia

Moderate

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05135-05

Test Type: SIX MONTH EXPOS.

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Isoprene

CAS Number: 78-79-5

Date Report Requested: 10/16/2014

Time Report Requested: 02:39:34

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 20

TRT#: 1

SEX: Male

DAY ON TEST: 186

DOSE: CONTROL

DISP: Scheduled Sacrifice

HISTO: 19190

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Mammary Gland

OBSERVATIONS

* Blood Vessel Note: Aorta is normal.			
* Heart		Cardiomyopathy	Multifocal, Minimal
* Liver [Hepatodiaphragmatic Nodule TGLS = 2-4]		Hepatodiaphragmatic Nodule	
* Lung Note: Hemorrhage is subpleural. Note: Red blood cells are present in subcapsular and/or medullary sinuses. [Congestion TGLS = 3-3]	Peribronchial Perivascular Alveolus	Congestion Hemorrhage Hyperplasia Hyperplasia Infiltration Cellular	Multifocal, Mild Lymphoid, Multifocal, Minimal Lymphoid, Multifocal, Minimal Histiocyte, Focal, Minimal
* Lymph Node, Bronchial Note: Tracheobronchial lymph node has red blood cells present in subcapsular and/or medullary sinuses.		Congestion	
* Lymph Node, Mandibular Note: Hyperplasia is reactive.		Hyperplasia	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05135-05
Test Type: SIX MONTH EXPOS.
Route: RESPIRATORY EXPOSURE WHOLE BODY
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Isoprene
CAS Number: 78-79-5

Date Report Requested: 10/16/2014
Time Report Requested: 02:39:34
First Dose M/F: NA / NA
Lab: BNW

ANIMAL ID: 20	TRT#: 1	SEX: Male	DAY ON TEST: 186
	DOSE: CONTROL	DISP: Scheduled Sacrifice	HISTO: 19190

ORGAN AND ACCOUNTABLE SITE STATUS

* Lymph Node, Mediastinal

Congestion
Pigmentation

Hemosiderin

Note: Red blood cells are present in cortical and/or medullary sinuses.

[Congestion TGLS = 1-2]

[Pigmentation TGLS = 1-2]

* Perph Nerve

Note: Sciatic nerve is normal.

* Thyroid Gland

Cyst

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05135-05

Test Type: SIX MONTH EXPOS.

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Isoprene

CAS Number: 78-79-5

Date Report Requested: 10/16/2014

Time Report Requested: 02:39:34

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 21

TRT#: 1

SEX: Male

DAY ON TEST: 368

DOSE: CONTROL

DISP: Terminal Sacrifice

HISTO: 19191

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- | | | | |
|---------------------------|-----------------------------|--------------------------|----------------------------|
| * Adrenal Cortex | * Adrenal Medulla | * Blood Vessel | * Bone |
| * Bone Marrow | * 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 | * Liver | * Lymph Node, Mandibular |
| * Lymph Node, Mediastinal | * Lymph Node, Mesenteric | * Nose | * Pancreas |
| * Parathyroid Gland | * Peripheral Nerve | * Pharynx | * Preputial Gland |
| * Prostate | * Salivary Glands | * Seminal Vesicle | * Skin |
| * Spinal Cord | * Spleen | * Stomach, Forestomach | * Stomach, Glandular |
| * Testes | * Thymus | * Thyroid Gland | * Trachea |
| * Urinary Bladder | | | |

MISSING

- * Mammary Gland

OBSERVATIONS

- | | | | |
|--|----------------|-------------|----------------------|
| * Blood Vessel | | | |
| Note: Aorta is normal | | | |
| * Kidney | Bilateral | Nephropathy | Chronic, Minimal |
| * Lung | | Hemorrhage | Multifocal, Moderate |
| | Alveolar Epith | Hyperplasia | Multifocal, Mild |
| Note: Hyperplasia is Type 2 Cell. | | | |
| Note: Hemorrhage is subpleural. | | | |
| [Hemorrhage TGLS = 1-3] | | | |
| * Lymph Node, Bronchial | | Congestion | |
| Note: Tracheobronchial lymph node has red blood cells present in subcapsular and/or medullary sinuses. | | | |
| [Congestion TGLS = 2-8] | | | |
| * Perph Nerve | | | |
| Note: Sciatic nerve is normal. | | | |
| * Pituitary Gland | | Adenoma | |
| Note: -B-Adenoma | | | |
| [Adenoma TGLS = 2-8] | | | |

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05135-05
Test Type: SIX MONTH EXPOS.
Route: RESPIRATORY EXPOSURE WHOLE BODY
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Isoprene
CAS Number: 78-79-5

Date Report Requested: 10/16/2014
Time Report Requested: 02:39:34
First Dose M/F: NA / NA
Lab: BNW

ANIMAL ID: 21

TRT#: 1

SEX: Male

DAY ON TEST: 368

DOSE: CONTROL

DISP: Terminal Sacrifice

HISTO: 19191

ORGAN AND ACCOUNTABLE SITE STATUS

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05135-05

Test Type: SIX MONTH EXPOS.

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Isoprene

CAS Number: 78-79-5

Date Report Requested: 10/16/2014

Time Report Requested: 02:39:34

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 22

TRT#: 1

SEX: Male

DAY ON TEST: 368

DOSE: CONTROL

DISP: Terminal Sacrifice

HISTO: 19192

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Blood Vessel	* Bone	* Bone Marrow
* 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, Mandibular	* Lymph Node, Mediastinal	* Lymph Node, Mesenteric
* Nose	* Parathyroid Gland	* Peripheral Nerve	* Pharynx
* Pituitary Gland	* Preputial Gland	* Prostate	* Salivary Glands
* Seminal Vesicle	* Skin	* Spinal Cord	* Spleen
* Stomach, Forestomach	* Stomach, Glandular	* Thyroid Gland	* Trachea
* Urinary Bladder			

MISSING

* Adrenal Medulla	* Mammary Gland	* Thymus	
-------------------	-----------------	----------	--

OBSERVATIONS

* Adren Medulla			
Note: The medulla is not included in the plane of section of either adrenal gland. Cortex of both glands is normal.			
* Blood Vessel			
Note: Aorta is normal.			
* Kidney	Bilateral	Nephropathy	Chronic, Minimal
* Liver		Inflammation	Multifocal, Minimal
* Lung		Hemorrhage	Multifocal, Moderate
	Perivascular	Hyperplasia	Lymphoid, Multifocal, Minimal
Note: Hemorrhage is subpleural. [Hemorrhage TGLS = 2-3]			
* Lymph Node, Bronchial		Congestion	
Note: Tracheobronchial lymph node has red blood cells present in subcapsular and/or medullary sinuses.			
Mesentery		Necrosis	
Note: Fat Necrosis. [Necrosis TGLS = 1-13]			
* Pancreas		Atrophy	Minimal
Note: Atrophy is exocrine.			

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05135-05
Test Type: SIX MONTH EXPOS.
Route: RESPIRATORY EXPOSURE WHOLE BODY
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Isoprene
CAS Number: 78-79-5

Date Report Requested: 10/16/2014
Time Report Requested: 02:39:34
First Dose M/F: NA / NA
Lab: BNW

ANIMAL ID: 22	TRT#: 1	SEX: Male	DAY ON TEST: 368
	DOSE: CONTROL	DISP: Terminal Sacrifice	HISTO: 19192

ORGAN AND ACCOUNTABLE SITE STATUS

* Perph Nerve
Note: Sciatic nerve is normal.

* Testes	Interstit Cell	Adenoma	
	Interstit Cell	Hyperplasia	Mild
Note: -B-Adenoma			

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05135-05

Test Type: SIX MONTH EXPOS.

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Isoprene

CAS Number: 78-79-5

Date Report Requested: 10/16/2014

Time Report Requested: 02:39:34

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 23

TRT#: 1

SEX: Male

DAY ON TEST: 368

DOSE: CONTROL

DISP: Terminal Sacrifice

HISTO: 19193

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Blood Vessel	* Bone
* Bone Marrow	* 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	* Kidney	* Larynx	* Liver
* Lymph Node, Bronchial	* Lymph Node, Mesenteric	* Nose	* Parathyroid Gland
* Peripheral Nerve	* Pharynx	* Pituitary Gland	* Preputial Gland
* Prostate	* Salivary Glands	* Seminal Vesicle	* Skin
* Spinal Cord	* Spleen	* Stomach, Forestomach	* Stomach, Glandular
* Thymus	* Thyroid Gland	* Trachea	

MISSING

* Mammary Gland

OBSERVATIONS

* Blood Vessel Note: Aorta is normal.		
* Lung Note: Hemorrhage is subpleural.	Hemorrhage	Multifocal, Minimal
* Lym Node Bron Note: Tracheobronchial lymph node is normal.		
* Lymph Node, Mandibular Note: Hyperplasia is reactive. [Hyperplasia TGLS = 1-8]	Hyperplasia	
* Lymph Node, Mediastinal Note: Red blood cells are present in cortical and/or medullary sinuses. [Congestion TGLS = 1-8]	Congestion	
* Pancreas Note: Atrophy is exocrine.	Atrophy Infiltration Cellular	Minimal Mixed Cell, Minimal
* Perph Nerve Note: Sciatic nerve is normal.		

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05135-05
Test Type: SIX MONTH EXPOS.
Route: RESPIRATORY EXPOSURE WHOLE BODY
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Isoprene
CAS Number: 78-79-5

Date Report Requested: 10/16/2014
Time Report Requested: 02:39:34
First Dose M/F: NA / NA
Lab: BNW

ANIMAL ID: 23	TRT#: 1 DOSE: CONTROL	SEX: Male DISP: Terminal Sacrifice	DAY ON TEST: 368 HISTO: 19193
----------------------	--	---	--

ORGAN AND ACCOUNTABLE SITE STATUS

* Testes	Interstit Cell	Hyperplasia	Mild
* Urinary Bladder		Calculus Micro Observation Only	
[Calculus Micro Observation Only TGLS = 1-8]			

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05135-05

Test Type: SIX MONTH EXPOS.

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Isoprene

CAS Number: 78-79-5

Date Report Requested: 10/16/2014

Time Report Requested: 02:39:34

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 24

TRT#: 1

SEX: Male

DAY ON TEST: 368

DOSE: CONTROL

DISP: Terminal Sacrifice

HISTO: 19194

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex
* Bone Marrow
* Eye
* Intestine Small, Duodenum
* Larynx
* Lymph Node, Mediastinal
* Peripheral Nerve
* Salivary Glands
* Spleen
* Thyroid Gland

* Adrenal Medulla
* Brain
* Intestine Large, Cecum
* Intestine Small, Ileum
* Liver
* Lymph Node, Mesenteric
* Pharynx
* Seminal Vesicle
* Stomach, Forestomach
* Trachea

* Blood Vessel
* Epididymis
* Intestine Large, Colon
* Intestine Small, Jejunum
* Lymph Node, Bronchial
* Nose
* Preputial Gland
* Skin
* Stomach, Glandular
* Urinary Bladder

* Bone
* Esophagus
* Intestine Large, Rectum
* Islets, Pancreatic
* Lymph Node, Mandibular
* Parathyroid Gland
* Prostate
* Spinal Cord
* Thymus

MISSING

* Mammary Gland

OBSERVATIONS

* Blood Vessel
Note: Aorta is normal.

* Heart

* Kidney

* Lung

Note: -B-Alveolar/Bronchiolar Adenoma

Note: Hemorrhage is subpleural.

* Lym Node Bron

Note: Tracheobronchial lymph node is normal.

* Pancreas

Note: Atrophy is exocrine.

* Perph Nerve

Note: Sciatic nerve is normal.

* Pituitary Gland

Note: -B-Adenoma

Bilateral

Cardiomyopathy
Nephropathy
Alveolar/Bronchiolar Adenoma
Hemorrhage

Focal, Minimal
Chronic, Minimal

Multifocal, Minimal

Atrophy
Infiltration Cellular

Minimal
Mixed Cell, Focal, Minimal

Adenoma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05135-05
Test Type: SIX MONTH EXPOS.
Route: RESPIRATORY EXPOSURE WHOLE BODY
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Isoprene
CAS Number: 78-79-5

Date Report Requested: 10/16/2014
Time Report Requested: 02:39:34
First Dose M/F: NA / NA
Lab: BNW

ANIMAL ID: 24

TRT#: 1
DOSE: CONTROL

SEX: Male
DISP: Terminal Sacrifice

DAY ON TEST: 368
HISTO: 19194

ORGAN AND ACCOUNTABLE SITE STATUS

* Testes	Interstit Cell	Hyperplasia	Moderate
----------	----------------	-------------	----------

PRIMARY CAUSE OF DEATH	-
------------------------	---

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05135-05

Test Type: SIX MONTH EXPOS.

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Isoprene

CAS Number: 78-79-5

Date Report Requested: 10/16/2014

Time Report Requested: 02:39:34

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 25

TRT#: 1

SEX: Male

DAY ON TEST: 186

DOSE: CONTROL

DISP: Scheduled Sacrifice

HISTO: 19195

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Mammary Gland

OBSERVATIONS

* Blood Vessel Note: Aorta is normal.			
* Heart		Cardiomyopathy	Multifocal, Mild
* Lung Note: Hemorrhage is subpleural. [Hemorrhage TGLS = 1-3]		Hemorrhage	Multifocal, Mild
* Lymph Node, Bronchial Note: Tracheobronchial lymph node has red blood cells present in subcapsular and/or medullary sinuses. [Congestion TGLS = 1-3]		Congestion	
* Lymph Node, Mediastinal Note: Red blood cells are present in cortical and/or medullary sinuses. [Congestion TGLS = 1-3]		Congestion	
* Perph Nerve Note: Sciatic nerve is normal.			

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05135-05

Test Type: SIX MONTH EXPOS.

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Isoprene

CAS Number: 78-79-5

Date Report Requested: 10/16/2014

Time Report Requested: 02:39:34

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 26

TRT#: 1

SEX: Male

DAY ON TEST: 186

DOSE: CONTROL

DISP: Scheduled Sacrifice

HISTO: 19196

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Lymph Node, Bronchial	* Mammary Gland
-------------------------	-----------------

OBSERVATIONS

* Blood Vessel Note: Aorta is normal.		
* Heart	Cardiomyopathy	Multifocal, Minimal
* Lung Note: Hemorrhage and subpleural. [Hemorrhage TGLS = 1-3]	Hemorrhage	Multifocal, Mild
* Lym Node Bron Note: Tracheobronchial lymph node is missing.		
* Lymph Node, Mediastinal Note: Red blood cells are present in cortical and/or medullary sinuses. [Congestion TGLS = 1-3]	Congestion Pigmentation	Hemosiderin
* Perph Nerve Note: Sciatic nerve is normal.		
* Thyroid Gland [Cyst TGLS = 1-3]	Cyst	

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05135-05
Test Type: SIX MONTH EXPOS.
Route: RESPIRATORY EXPOSURE WHOLE BODY
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Isoprene
CAS Number: 78-79-5

Date Report Requested: 10/16/2014
Time Report Requested: 02:39:34
First Dose M/F: NA / NA
Lab: BNW

ANIMAL ID: 26

TRT#: 1

SEX: Male

DAY ON TEST: 186

DOSE: CONTROL

DISP: Scheduled Sacrifice

HISTO: 19196

ORGAN AND ACCOUNTABLE SITE STATUS

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05135-05

Test Type: SIX MONTH EXPOS.

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Isoprene

CAS Number: 78-79-5

Date Report Requested: 10/16/2014

Time Report Requested: 02:39:34

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 27

TRT#: 1

SEX: Male

DAY ON TEST: 368

DOSE: CONTROL

DISP: Terminal Sacrifice

HISTO: 19197

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Blood Vessel	* Bone
* Bone Marrow	* Brain	* Epididymis	* Esophagus
* Eye	* 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, Mediastinal
* Lymph Node, Mesenteric	* Nose	* Parathyroid Gland	* Peripheral Nerve
* Pharynx	* Preputial Gland	* Prostate	* Salivary Glands
* Seminal Vesicle	* Skin	* Spinal Cord	* Spleen
* Stomach, Forestomach	* Stomach, Glandular	* Thyroid Gland	* Trachea
* Urinary Bladder			

MISSING

* Mammary Gland	* Thymus		
-----------------	----------	--	--

OBSERVATIONS

* Blood Vessel			
Note: Aorta is normal.			
* Heart		Cardiomyopathy	Multifocal, Minimal
* Kidney	Bilateral	Nephropathy	Chronic, Minimal
* Lung		Hemorrhage	Multifocal, Minimal
	Perivascular	Hyperplasia	Lymphoid, Multifocal, Minimal
Note: Hemorrhage is subpleural.			
* Lym Node Bron			
Note: Tracheobronchial lymph node is normal.			
* Lymph Node, Mandibular		Hyperplasia	
Note: Hyperplasia is reactive.			
* Pancreas		Atrophy	Minimal
Note: Atrophy is exocrine.			
* Perph Nerve			
Note: Sciatic nerve is normal.			
* Pituitary Gland		Hyperplasia	Marked
* Testes	Interstit Cell	Hyperplasia	Mild

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05135-05
Test Type: SIX MONTH EXPOS.
Route: RESPIRATORY EXPOSURE WHOLE BODY
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Isoprene
CAS Number: 78-79-5

Date Report Requested: 10/16/2014
Time Report Requested: 02:39:34
First Dose M/F: NA / NA
Lab: BNW

ANIMAL ID: 27

TRT#: 1

SEX: Male

DAY ON TEST: 368

DOSE: CONTROL

DISP: Terminal Sacrifice

HISTO: 19197

ORGAN AND ACCOUNTABLE SITE STATUS

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05135-05

Test Type: SIX MONTH EXPOS.

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Isoprene

CAS Number: 78-79-5

Date Report Requested: 10/16/2014

Time Report Requested: 02:39:34

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 28

TRT#: 1

SEX: Male

DAY ON TEST: 368

DOSE: CONTROL

DISP: Terminal Sacrifice

HISTO: 19198

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Blood Vessel	* Bone
* Bone Marrow	* 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	* Liver	* Lymph Node, Mesenteric
* Nose	* Parathyroid Gland	* Peripheral Nerve	* Pharynx
* Pituitary Gland	* Preputial Gland	* Prostate	* Salivary Glands
* Seminal Vesicle	* Skin	* Spinal Cord	* Spleen
* Stomach, Forestomach	* Stomach, Glandular	* Thymus	* Thyroid Gland
* Trachea	* Urinary Bladder		

MISSING

* Lymph Node, Bronchial	* Mammary Gland
-------------------------	-----------------

OBSERVATIONS

* Blood Vessel Note: Aorta is normal.			
* Kidney	Bilateral	Nephropathy	Chronic, Minimal
* Lung	Perivascular Alveolus	Hemorrhage Hyperplasia Infiltration Cellular	Multifocal, Minimal Lymphoid, Multifocal, Minimal Histiocyte, Multifocal, Minimal
Note: Hemorrhage is subpleural.			
* Lym Node Bron			
Note: Tracheobronchial lymph node is missing.			
* Lymph Node, Mandibular		Hyperplasia	
Note: Hyperplasia is reactive.			
* Lymph Node, Mediastinal		Congestion	
Note: Red blood cells are present in cortical and/or medullary sinuses.			
* Pancreas		Infiltration Cellular	Mixed Cell, Minimal
* Perph Nerve Note: Sciatic nerve is normal.			
* Testes	Interstit Cell	Hyperplasia	Mild

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05135-05
Test Type: SIX MONTH EXPOS.
Route: RESPIRATORY EXPOSURE WHOLE BODY
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Isoprene
CAS Number: 78-79-5

Date Report Requested: 10/16/2014
Time Report Requested: 02:39:34
First Dose M/F: NA / NA
Lab: BNW

ANIMAL ID: 28

TRT#: 1

SEX: Male

DAY ON TEST: 368

DOSE: CONTROL

DISP: Terminal Sacrifice

HISTO: 19198

ORGAN AND ACCOUNTABLE SITE STATUS

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05135-05

Test Type: SIX MONTH EXPOS.

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Isoprene

CAS Number: 78-79-5

Date Report Requested: 10/16/2014

Time Report Requested: 02:39:34

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 29

TRT#: 1

SEX: Male

DAY ON TEST: 186

DOSE: CONTROL

DISP: Scheduled Sacrifice

HISTO: 19199

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Blood Vessel	* Bone
* Bone Marrow	* 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	* Kidney	* Larynx	* Lymph Node, Mandibular
* Lymph Node, Mesenteric	* Nose	* Pancreas	* Parathyroid Gland
* Peripheral Nerve	* Pharynx	* Preputial Gland	* Prostate
* Salivary Glands	* Seminal Vesicle	* Skin	* Spinal Cord
* Spleen	* Stomach, Forestomach	* Stomach, Glandular	* Testes
* Thymus	* Thyroid Gland	* Trachea	* Urinary Bladder

MISSING

* Mammary Gland

OBSERVATIONS

* Blood Vessel			
Note: Aorta is normal.			
* Liver		Hepatodiaphragmatic Nodule	
[Hepatodiaphragmatic Nodule TGLS = 1-13]			
* Lung	Peribronchial	Hemorrhage	Multifocal, Marked
Note: Hemorrhage is subpleural.		Hyperplasia	Lymphoid, Multifocal, Minimal
[Hemorrhage TGLS = 2-3]			
* Lymph Node, Bronchial		Congestion	
Note: Tracheobronchial lymph node has red blood cells present in subcapsular and/or medullary sinuses.			
* Lymph Node, Mediastinal		Congestion	
Note: Hyperplasia is reactive.		Hyperplasia	
Note: Red blood cells are present in cortical and/or medullary sinuses.			
[Congestion TGLS = 3-2]			
[Hyperplasia TGLS = 3-2]			
* Perph Nerve			

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05135-05
Test Type: SIX MONTH EXPOS.
Route: RESPIRATORY EXPOSURE WHOLE BODY
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Isoprene
CAS Number: 78-79-5

Date Report Requested: 10/16/2014
Time Report Requested: 02:39:34
First Dose M/F: NA / NA
Lab: BNW

ANIMAL ID: 29

TRT#: 1

SEX: Male

DAY ON TEST: 186

DOSE: CONTROL

DISP: Scheduled Sacrifice

HISTO: 19199

ORGAN AND ACCOUNTABLE SITE STATUS

Note: Sciatic nerve is normal.

* Pituitary Gland

Pars Distalis

Cyst

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05135-05

Test Type: SIX MONTH EXPOS.

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Isoprene

CAS Number: 78-79-5

Date Report Requested: 10/16/2014

Time Report Requested: 02:39:34

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 30

TRT#: 1

SEX: Male

DAY ON TEST: 186

DOSE: CONTROL

DISP: Scheduled Sacrifice

HISTO: 19200

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Blood Vessel	* Bone
* Bone Marrow	* 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	* Kidney	* Larynx	* Liver
* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Nose	* Pancreas
* Parathyroid Gland	* Peripheral Nerve	* Pharynx	* Pituitary Gland
* Preputial Gland	* Prostate	* Salivary Glands	* Seminal Vesicle
* Skin	* Spinal Cord	* Spleen	* Stomach, Forestomach
* Stomach, Glandular	* Testes	* Thymus	* Thyroid Gland
* Trachea	* Urinary Bladder		

MISSING

* Mammary Gland

OBSERVATIONS

* Blood Vessel			
Note: Aorta is normal.			
* Lung	Perivascular Alveolus	Hemorrhage Hyperplasia Infiltration Cellular	Multifocal, Moderate Lymphoid, Multifocal, Minimal Histiocyte, Multifocal, Minimal
Note: Hemorrhage is subpleural. [Hemorrhage TGLS = 1-3]			
* Lymph Node, Bronchial		Congestion Hyperplasia	
Note: Tracheobronchial lymph node Hyperplasia is reactive. Note: Tracheobronchial lymph node has red blood cells present in subcapsular and/or medullary sinuses.			
* Lymph Node, Mediastinal		Congestion Hyperplasia	
Note: Hyperplasia is reactive. Note: Red blood cells are present in cortical and/or medullary sinuses. [Congestion TGLS = 2-2]			

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05135-05
Test Type: SIX MONTH EXPOS.
Route: RESPIRATORY EXPOSURE WHOLE BODY
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Isoprene
CAS Number: 78-79-5

Date Report Requested: 10/16/2014
Time Report Requested: 02:39:34
First Dose M/F: NA / NA
Lab: BNW

ANIMAL ID: 30

TRT#: 1

SEX: Male

DAY ON TEST: 186

DOSE: CONTROL

DISP: Scheduled Sacrifice

HISTO: 19200

ORGAN AND ACCOUNTABLE SITE STATUS

* Perph Nerve

Note: Sciatic nerve is normal.

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05135-05

Test Type: SIX MONTH EXPOS.

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Isoprene

CAS Number: 78-79-5

Date Report Requested: 10/16/2014

Time Report Requested: 02:39:34

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 31

TRT#: 1

SEX: Male

DAY ON TEST: 368

DOSE: CONTROL

DISP: Terminal Sacrifice

HISTO: 19201

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Blood Vessel	* Bone
* Bone Marrow	* Brain	* Epididymis	* Esophagus
* Eye	* 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, Mediastinal
* Lymph Node, Mesenteric	* Mammary Gland	* Nose	* Pancreas
* Parathyroid Gland	* Peripheral Nerve	* Pharynx	* Preputial Gland
* Prostate	* Salivary Glands	* Seminal Vesicle	* Skin
* Spinal Cord	* Stomach, Forestomach	* Stomach, Glandular	* Thyroid Gland
* Trachea	* Urinary Bladder		

MISSING

* Thymus

OBSERVATIONS

* Blood Vessel			
Note: Aorta is normal.			
* Heart		Cardiomyopathy	Multifocal, Minimal
* Kidney	Bilateral	Nephropathy	Chronic, Minimal
* Lung		Hemorrhage	Multifocal, Minimal
Note: Hemorrhage is subpleural.			
* Lym Node Bron			
Note: Tracheobronchial lymph node is normal.			
* Lymph Node, Mandibular		Hyperplasia	
Note: Hyperplasia is reactive.			
* Perph Nerve			
Note: Sciatic nerve is normal.			
* Pituitary Gland		Hyperplasia	Minimal
* Spleen		Accessory Spleen	
Note: Developmental Anomaly (Ectopic Spleen)			
[Accessory Spleen TGLS = 1-13]			
* Testes	Interstit Cell	Hyperplasia	Moderate

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05135-05
Test Type: SIX MONTH EXPOS.
Route: RESPIRATORY EXPOSURE WHOLE BODY
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Isoprene
CAS Number: 78-79-5

Date Report Requested: 10/16/2014
Time Report Requested: 02:39:34
First Dose M/F: NA / NA
Lab: BNW

ANIMAL ID: 31

TRT#: 1

SEX: Male

DAY ON TEST: 368

DOSE: CONTROL

DISP: Terminal Sacrifice

HISTO: 19201

ORGAN AND ACCOUNTABLE SITE STATUS

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05135-05

Test Type: SIX MONTH EXPOS.

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Isoprene

CAS Number: 78-79-5

Date Report Requested: 10/16/2014

Time Report Requested: 02:39:34

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 32

TRT#: 1

SEX: Male

DAY ON TEST: 186

DOSE: CONTROL

DISP: Scheduled Sacrifice

HISTO: 19202

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Blood Vessel	* Bone
* Bone Marrow	* Brain	* Epididymis	* Esophagus
* Eye	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Kidney	* Larynx	* Liver	* Lymph Node, Mandibular
* Lymph Node, Mesenteric	* Nose	* Parathyroid Gland	* Peripheral Nerve
* Pharynx	* Pituitary Gland	* Preputial Gland	* Salivary Glands
* Seminal Vesicle	* Skin	* Spinal Cord	* Spleen
* Stomach, Forestomach	* Stomach, Glandular	* Testes	* Thymus
* Thyroid Gland	* Trachea	* Urinary Bladder	

MISSING

* Lymph Node, Mediastinal

OBSERVATIONS

* Blood Vessel			
Note: Aorta is normal.			
Harderian Gland		Hyperplasia	Lymphoid, Minimal
Note: Hyperplasia is reactive.			
* Heart		Cardiomyopathy	Multifocal, Minimal
* Lung		Hemorrhage	Multifocal, Minimal
	Perivascular	Hyperplasia	Lymphoid, Multifocal, Minimal
Note: Hemorrhage is subpleural.			
[Hemorrhage TGLS = 1-3]			
* Lymph Node, Bronchial		Congestion	
Note: Tracheobronchial lymph node has red blood cells present in subcapsular and/or medullary sinuses.			
* Mammary Gland		Hyperplasia	Minimal
Note: Hyperplasia is glandular.			
* Pancreas		Atrophy	Focal, Minimal
Note: Atrophy is exocrine			
* Perph Nerve			
Note: Sciatic nerve is normal.			

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05135-05
Test Type: SIX MONTH EXPOS.
Route: RESPIRATORY EXPOSURE WHOLE BODY
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Isoprene
CAS Number: 78-79-5

Date Report Requested: 10/16/2014
Time Report Requested: 02:39:34
First Dose M/F: NA / NA
Lab: BNW

ANIMAL ID: 32

TRT#: 1

SEX: Male

DAY ON TEST: 186

DOSE: CONTROL

DISP: Scheduled Sacrifice

HISTO: 19202

ORGAN AND ACCOUNTABLE SITE STATUS

* Prostate

Corpora Amylacea

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05135-05

Test Type: SIX MONTH EXPOS.

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Isoprene

CAS Number: 78-79-5

Date Report Requested: 10/16/2014

Time Report Requested: 02:39:34

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 33

TRT#: 1

SEX: Male

DAY ON TEST: 368

DOSE: CONTROL

DISP: Terminal Sacrifice

HISTO: 19203

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- * Adrenal Cortex
- * Bone Marrow
- * Eye
- * Intestine Large, Rectum
- * Islets, Pancreatic
- * Lymph Node, Bronchial
- * Parathyroid Gland
- * Prostate
- * Spinal Cord
- * Testes
- * Urinary Bladder

- * Adrenal Medulla
- * Brain
- * Heart
- * Intestine Small, Duodenum
- * Kidney
- * Lymph Node, Mediastinal
- * Peripheral Nerve
- * Salivary Glands
- * Spleen
- * Thymus

- * Blood Vessel
- * Epididymis
- * Intestine Large, Cecum
- * Intestine Small, Ileum
- * Larynx
- * Lymph Node, Mesenteric
- * Pharynx
- * Seminal Vesicle
- * Stomach, Forestomach
- * Thyroid Gland

- * Bone
- * Esophagus
- * Intestine Large, Colon
- * Intestine Small, Jejunum
- * Liver
- * Nose
- * Preputial Gland
- * Skin
- * Stomach, Glandular
- * Trachea

MISSING

- * Mammary Gland

OBSERVATIONS

- * Blood Vessel
Note: Aorta is normal.

- * Lung
Note: Hemorrhage is subpleural.

- * Lym Node Bron
Note: Tracheobronchial lymph node is normal.

- * Lymph Node, Mandibular
Note: Hyperplasia is reactive.

- * Pancreas
Note: Atrophy is exocrine.

- * Perph Nerve
Note: Sciatic nerve is normal.

- * Pituitary Gland
Note: -B-Adenoma

Hemorrhage

Multifocal, Mild

Hyperplasia

Atrophy

Minimal

Adenoma

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05135-05

Test Type: SIX MONTH EXPOS.

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Isoprene

CAS Number: 78-79-5

Date Report Requested: 10/16/2014

Time Report Requested: 02:39:34

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 34

TRT#: 1

SEX: Male

DAY ON TEST: 368

DOSE: CONTROL

DISP: Terminal Sacrifice

HISTO: 19204

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Blood Vessel	* Bone
* Bone Marrow	* 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	* Liver	* Lymph Node, Bronchial
* Lymph Node, Mesenteric	* Mammary Gland	* Nose	* Pancreas
* Parathyroid Gland	* Peripheral Nerve	* Pharynx	* Preputial Gland
* Prostate	* Salivary Glands	* Seminal Vesicle	* Skin
* Stomach, Forestomach	* Stomach, Glandular	* Thymus	* Thyroid Gland
* Trachea	* Urinary Bladder		

MISSING

* Lymph Node, Mandibular	* Spinal Cord
--------------------------	---------------

OBSERVATIONS

* Blood Vessel Note: Aorta is normal.			
* Kidney	Bilateral	Nephropathy	Chronic, Minimal
* Lung	Perivascular	Hemorrhage Hyperplasia	Multifocal, Mild Lymphoid, Multifocal, Minimal
Note: Hemorrhage is subpleural. [Hemorrhage TGLS = 2-3]			
* Lym Node Bron Note: Tracheobronchial lymph node is normal.			
* Lymph Node, Mediastinal Note: Hyperplasia is reactive.		Hyperplasia	
* Perph Nerve Note: Sciatic nerve is normal.			
* Pituitary Gland		Hyperplasia	Minimal
* Spleen Note: Developmental Anomaly (Ectopic Spleen) [Accessory Spleen TGLS = 1-13]		Accessory Spleen	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05135-05
Test Type: SIX MONTH EXPOS.
Route: RESPIRATORY EXPOSURE WHOLE BODY
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Isoprene
CAS Number: 78-79-5

Date Report Requested: 10/16/2014
Time Report Requested: 02:39:34
First Dose M/F: NA / NA
Lab: BNW

ANIMAL ID: 34	TRT#: 1 DOSE: CONTROL	SEX: Male DISP: Terminal Sacrifice	DAY ON TEST: 368 HISTO: 19204
----------------------	--	---	--

ORGAN AND ACCOUNTABLE SITE STATUS

* Testes	Interstit Cell	Hyperplasia	Minimal
----------	----------------	-------------	---------

PRIMARY CAUSE OF DEATH	-		
------------------------	---	--	--

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05135-05
Test Type: SIX MONTH EXPOS.
Route: RESPIRATORY EXPOSURE WHOLE BODY
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Isoprene
CAS Number: 78-79-5

Date Report Requested: 10/16/2014
Time Report Requested: 02:39:34
First Dose M/F: NA / NA
Lab: BNW

ANIMAL ID: 35

TRT#: 1
DOSE: CONTROL

SEX: Male
DISP: Terminal Sacrifice

DAY ON TEST: 368
HISTO: 19205

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Blood Vessel	* Bone
* Bone Marrow	* 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	* Liver	* Lymph Node, Mandibular
* Lymph Node, Mesenteric	* Nose	* Parathyroid Gland	* Peripheral Nerve
* Pharynx	* Pituitary Gland	* Preputial Gland	* Prostate
* Salivary Glands	* Seminal Vesicle	* Skin	* Spinal Cord
* Spleen	* Stomach, Forestomach	* Stomach, Glandular	* Testes
* Thymus	* Thyroid Gland	* Trachea	* Urinary Bladder

MISSING

* Mammary Gland

OBSERVATIONS

* Blood Vessel			
Note: Aorta is normal.			
* Kidney	Bilateral	Nephropathy	Chronic, Minimal
* Lung	Perivascular	Hemorrhage	Multifocal, Minimal
		Hyperplasia	Lymphoid, Multifocal, Minimal
Note: Hemorrhage is subpleural.			
* Lymph Node, Bronchial		Congestion	
Note: Tracheobronchial lymph node has red blood cells present in subcapsular and/or medullary sinuses.			
* Lymph Node, Mediastinal		Congestion	
		Pigmentation	Hemosiderin
Note: Red blood cells are present in cortical and/or medullary sinuses.			
* Pancreas		Atrophy	Minimal
Note: Atrophy is exocrine.			
* Perph Nerve			
Note: Sciatic nerve is normal.			

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05135-05
Test Type: SIX MONTH EXPOS.
Route: RESPIRATORY EXPOSURE WHOLE BODY
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Isoprene
CAS Number: 78-79-5

Date Report Requested: 10/16/2014
Time Report Requested: 02:39:34
First Dose M/F: NA / NA
Lab: BNW

ANIMAL ID: 36

TRT#: 1
DOSE: CONTROL

SEX: Male
DISP: Terminal Sacrifice

DAY ON TEST: 368
HISTO: 19206

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Blood Vessel	* Bone
* Bone Marrow	* 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	* Kidney	* Larynx	* Liver
* Lymph Node, Bronchial	* Lymph Node, Mediastinal	* Lymph Node, Mesenteric	* Nose
* Pancreas	* Parathyroid Gland	* Peripheral Nerve	* Pharynx
* Pituitary Gland	* Preputial Gland	* Prostate	* Salivary Glands
* Seminal Vesicle	* Skin	* Spinal Cord	* Spleen
* Stomach, Forestomach	* Stomach, Glandular	* Thymus	* Thyroid Gland
* Trachea	* Urinary Bladder		

MISSING

* Mammary Gland

OBSERVATIONS

* Blood Vessel			
Note: Aorta is normal.			
* Lung	Perivascular	Hemorrhage Hyperplasia	Minimal Lymphoid, Multifocal, Minimal
Note: Hemorrhage is subpleural.			
* Lym Node Bron			
Note: Tracheobronchial lymph node is normal.			
* Lymph Node, Mandibular		Hyperplasia	
Note: Hyperplasia is reactive.			
* Perph Nerve			
Note: Sciatic nerve is normal.			
* Testes	Interstit Cell	Hyperplasia	Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05135-05

Test Type: SIX MONTH EXPOS.

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Isoprene

CAS Number: 78-79-5

Date Report Requested: 10/16/2014

Time Report Requested: 02:39:34

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 37

TRT#: 1

SEX: Male

DAY ON TEST: 368

DOSE: CONTROL

DISP: Terminal Sacrifice

HISTO: 19207

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Lymph Node, Bronchial	* Mammary Gland
-------------------------	-----------------

OBSERVATIONS

* Blood Vessel			
Note: Aorta is normal.			
Harderian Gland			
Note: TGL 2 = NCL.			
* Islets, Pancreatic		Hyperplasia	Minimal
* Kidney	Bilateral	Nephropathy	Chronic, Minimal
* Lung		Hemorrhage	Minimal
	Perivascular	Hyperplasia	Lymphoid, Multifocal, Minimal
Note: Hemorrhage is subpleural.			
[Hemorrhage TGLS = 1-3]			
* Lym Node Bron			
Note: Tracheobronchial lymph node is missing.			
* Perph Nerve			
Note: Sciatic nerve is normal.			
* Pituitary Gland		Hyperplasia	Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05135-05
Test Type: SIX MONTH EXPOS.
Route: RESPIRATORY EXPOSURE WHOLE BODY
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Isoprene
CAS Number: 78-79-5

Date Report Requested: 10/16/2014
Time Report Requested: 02:39:34
First Dose M/F: NA / NA
Lab: BNW

ANIMAL ID: 38 **TRT#:** 1 **SEX:** Male **DAY ON TEST:** 368
DOSE: CONTROL **DISP:** Terminal Sacrifice **HISTO:** 19208

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Blood Vessel	* Bone	* Bone Marrow
* Brain	* Epididymis	* Esophagus	* Eye
* 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	* Peripheral Nerve
* Pharynx	* Preputial Gland	* Prostate	* Salivary Glands
* Seminal Vesicle	* Skin	* Spinal Cord	* Spleen
* Stomach, Forestomach	* Stomach, Glandular	* Thymus	* Thyroid Gland
* Trachea	* Urinary Bladder		

MISSING

* Adrenal Medulla	* Mammary Gland
-------------------	-----------------

OBSERVATIONS

* Adren Medulla			
Note: Adrenal Medulla is not present in the plane of section of either gland.			
* Blood Vessel			
Note: Aorta is normal.			
* Heart		Cardiomyopathy	Multifocal, Minimal
* Kidney	Bilateral	Nephropathy	Chronic, Minimal
* Liver		Hepatodiaphragmatic Nodule	
[Hepatodiaphragmatic Nodule TGLS = 1-13]			
* Lung		Hemorrhage	Multifocal, Minimal
Note: Hemorrhage is subpleural.			
[Hemorrhage TGLS = 2-3]			
* Lym Node Bron			
Note: Tracheobronchial lymph node is normal.			
* Perph Nerve			
Note: Sciatic nerve is normal.			
* Pituitary Gland		Hyperplasia	Minimal
* Testes	Interstit Cell	Hyperplasia	Marked

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05135-05
Test Type: SIX MONTH EXPOS.
Route: RESPIRATORY EXPOSURE WHOLE BODY
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Isoprene
CAS Number: 78-79-5

Date Report Requested: 10/16/2014
Time Report Requested: 02:39:34
First Dose M/F: NA / NA
Lab: BNW

ANIMAL ID: 38

TRT#: 1

SEX: Male

DAY ON TEST: 368

DOSE: CONTROL

DISP: Terminal Sacrifice

HISTO: 19208

ORGAN AND ACCOUNTABLE SITE STATUS

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05135-05

Test Type: SIX MONTH EXPOS.

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Isoprene

CAS Number: 78-79-5

Date Report Requested: 10/16/2014

Time Report Requested: 02:39:34

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 39

TRT#: 1

SEX: Male

DAY ON TEST: 368

DOSE: CONTROL

DISP: Terminal Sacrifice

HISTO: 19209

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- * Adrenal Cortex
- * Bone Marrow
- * Eye
- * Intestine Large, Rectum
- * Islets, Pancreatic
- * Lymph Node, Mesenteric
- * Pharynx
- * Seminal Vesicle
- * Stomach, Forestomach
- * Urinary Bladder

- * Adrenal Medulla
- * Brain
- * Heart
- * Intestine Small, Duodenum
- * Larynx
- * Pancreas
- * Preputial Gland
- * Skin
- * Stomach, Glandular

- * Blood Vessel
- * Epididymis
- * Intestine Large, Cecum
- * Intestine Small, Ileum
- * Lymph Node, Bronchial
- * Parathyroid Gland
- * Prostate
- * Spinal Cord
- * Thyroid Gland

- * Bone
- * Esophagus
- * Intestine Large, Colon
- * Intestine Small, Jejunum
- * Lymph Node, Mandibular
- * Peripheral Nerve
- * Salivary Glands
- * Spleen
- * Trachea

MISSING

- * Lymph Node, Mediastinal

- * Mammary Gland

- * Thymus

OBSERVATIONS

- * Blood Vessel
Note: Aorta is normal.

- | | | | |
|--|-----------|--------------|------------------|
| * Kidney | Bilateral | Nephropathy | Chronic, Minimal |
| * Liver | | Inflammation | Minimal |
| * Lung | | Hemorrhage | Multifocal, Mild |
| Note: Hemorrhage is subpleural.
[Hemorrhage TGLS = 1-3] | | | |

- * Lym Node Bron
Note: Tracheobronchial lymph node is normal.

- | | | | |
|---|-----------|-----------------------|------------------|
| * Nose | Turbinate | Infiltration Cellular | Mixed Cell, Mild |
| Note: Infiltrate cell is found in Lamina Propria. | | | |

- * Perph Nerve
Note: Sciatic nerve is normal.

- | | | | |
|-------------------|----------------|-------------|---------|
| * Pituitary Gland | | Hyperplasia | Marked |
| * Testes | Interstit Cell | Hyperplasia | Minimal |

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05135-05

Test Type: SIX MONTH EXPOS.

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Isoprene

CAS Number: 78-79-5

Date Report Requested: 10/16/2014

Time Report Requested: 02:39:34

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 40

TRT#: 1

SEX: Male

DAY ON TEST: 368

DOSE: CONTROL

DISP: Terminal Sacrifice

HISTO: 19210

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Blood Vessel	* Bone
* Bone Marrow	* Brain	* Epididymis	* Esophagus
* Eye	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Kidney
* Larynx	* Liver	* Lymph Node, Mandibular	* Lymph Node, Mesenteric
* Nose	* Pancreas	* Parathyroid Gland	* Peripheral Nerve
* Pharynx	* Preputial Gland	* Prostate	* Salivary Glands
* Seminal Vesicle	* Skin	* Spinal Cord	* Spleen
* Stomach, Forestomach	* Stomach, Glandular	* Thymus	* Thyroid Gland
* Trachea	* Urinary Bladder		

MISSING

* Lymph Node, Bronchial	* Mammary Gland
-------------------------	-----------------

OBSERVATIONS

* Blood Vessel			
Note: Aorta is normal.			
* Heart		Cardiomyopathy	Multifocal, Minimal
* Islets, Pancreatic		Hyperplasia	Minimal
* Lung		Hemorrhage	Multifocal, Minimal
	Perivascular	Hyperplasia	Lymphoid, Multifocal, Minimal
Note: Hemorrhage is subpleural.			
* Lym Node Bron			
Note: Tracheobronchial lymph node is missing.			
* Lymph Node, Mediastinal		Congestion	
Note: Red blood cells are present in cortical and/or medullary sinuses.			
* Perph Nerve			
Note: Sciatic nerve is normal.			
* Pituitary Gland		Hyperplasia	Moderate
* Testes	Interstit Cell	Hyperplasia	Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05135-05
Test Type: SIX MONTH EXPOS.
Route: RESPIRATORY EXPOSURE WHOLE BODY
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Isoprene
CAS Number: 78-79-5

Date Report Requested: 10/16/2014
Time Report Requested: 02:39:34
First Dose M/F: NA / NA
Lab: BNW

ANIMAL ID: 41

TRT#: 1

SEX: Male

DAY ON TEST: 186

DOSE: CONTROL

DISP: Scheduled Sacrifice

HISTO: 19211

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Intestine Large, Rectum	* Mammary Gland	* Thymus
---------------------------	-----------------	----------

OBSERVATIONS

* Blood Vessel Note: Aorta is normal.			
Harderian Gland Note: Hyperplasia is reactive.		Hyperplasia	Lymphoid, Minimal
* Liver [Hepatodiaphragmatic Nodule TGLS = 1-13]		Hepatodiaphragmatic Nodule	
* Lung Peribronchial Perivascular Note: Hemorrhage is subpleural. [Hemorrhage TGLS = 2-3]		Hemorrhage Hyperplasia Hyperplasia	Multifocal, Minimal Lymphoid, Multifocal, Minimal Lymphoid, Multifocal, Minimal
* Lymph Node, Bronchial Note: Tracheobronchial lymph node has red blood cells present in subcapsular and/or medullary sinuses.		Congestion	
* Lymph Node, Mediastinal Note: Red blood cells are present in cortical and/or medullary sinuses.		Congestion	
* Perph Nerve Note: Sciatic nerve is normal.			

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05135-05
Test Type: SIX MONTH EXPOS.
Route: RESPIRATORY EXPOSURE WHOLE BODY
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Isoprene
CAS Number: 78-79-5

Date Report Requested: 10/16/2014
Time Report Requested: 02:39:34
First Dose M/F: NA / NA
Lab: BNW

ANIMAL ID: 41

TRT#: 1

SEX: Male

DAY ON TEST: 186

DOSE: CONTROL

DISP: Scheduled Sacrifice

HISTO: 19211

ORGAN AND ACCOUNTABLE SITE STATUS

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05135-05
Test Type: SIX MONTH EXPOS.
Route: RESPIRATORY EXPOSURE WHOLE BODY
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Isoprene
CAS Number: 78-79-5

Date Report Requested: 10/16/2014
Time Report Requested: 02:39:34
First Dose M/F: NA / NA
Lab: BNW

ANIMAL ID: 42

TRT#: 1

SEX: Male

DAY ON TEST: 368

DOSE: CONTROL

DISP: Terminal Sacrifice

HISTO: 19212

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- | | | | |
|---------------------------|-----------------------------|--------------------------|----------------------------|
| * Adrenal Cortex | * Adrenal Medulla | * Blood Vessel | * Bone |
| * Bone Marrow | * 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 | * Kidney | * Liver | * Lymph Node, Bronchial |
| * Lymph Node, Mandibular | * Lymph Node, Mediastinal | * Lymph Node, Mesenteric | * Nose |
| * Pancreas | * Parathyroid Gland | * Peripheral Nerve | * Pharynx |
| * Prostate | * Salivary Glands | * Seminal Vesicle | * Skin |
| * Spinal Cord | * Spleen | * Stomach, Forestomach | * Stomach, Glandular |
| * Testes | * Thymus | * Thyroid Gland | * Trachea |
| * Urinary Bladder | | | |

MISSING

- * Mammary Gland

OBSERVATIONS

- | | | |
|---|-----------------------|---------------------|
| * Blood Vessel
Note: Aorta is normal. | | |
| * Larynx
Note: Mixed cell infiltrates present in the Lamina Propria. | Infiltration Cellular | Mixed Cell, Minimal |
| * Lung
Note: Hemorrhage is subpleural. | Hemorrhage | Multifocal, Minimal |
| * Lym Node Bron
Note: Tracheobronchial lymph node is normal. | | |
| * Perph Nerve
Note: Sciatic nerve is normal. | | |
| * Pituitary Gland
Note: -B-Adenoma
[Adenoma TGLS = 1-8] | Adenoma | |
| * Preputial Gland | Infiltration Cellular | Mixed Cell, Minimal |

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05135-05

Test Type: SIX MONTH EXPOS.

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Isoprene

CAS Number: 78-79-5

Date Report Requested: 10/16/2014

Time Report Requested: 02:39:34

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 43

TRT#: 1

SEX: Male

DAY ON TEST: 368

DOSE: CONTROL

DISP: Terminal Sacrifice

HISTO: 19213

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Blood Vessel	* Bone
* Bone Marrow	* 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, Mediastinal	* Lymph Node, Mesenteric
* Nose	* Pancreas	* Parathyroid Gland	* Peripheral Nerve
* Pharynx	* Prostate	* Salivary Glands	* Seminal Vesicle
* Skin	* Spinal Cord	* Spleen	* Stomach, Forestomach
* Stomach, Glandular	* Thymus	* Thyroid Gland	* Trachea
* Urinary Bladder			

MISSING

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

OBSERVATIONS

* Blood Vessel Note: Aorta is normal.			
* Kidney	Bilateral	Nephropathy	Chronic, Minimal
* Liver [Hepatodiaphragmatic Nodule TGLS = 1-13]		Hepatodiaphragmatic Nodule	
* Lung Note: Hemorrhage is subpleural. [Hemorrhage TGLS = 2-3]		Hemorrhage	Multifocal, Mild
* Lymph Node, Bronchial Note: Tracheobronchial lymph node has red blood cells present in subcapsular and/or medullary sinuses.		Congestion	
* Perph Nerve Note: Sciatic nerve is normal.			
* Pituitary Gland		Hyperplasia	Minimal
* Testes	Interstit Cell	Hyperplasia	Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05135-05

Test Type: SIX MONTH EXPOS.

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Isoprene

CAS Number: 78-79-5

Date Report Requested: 10/16/2014

Time Report Requested: 02:39:34

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 44

TRT#: 1

SEX: Male

DAY ON TEST: 368

DOSE: CONTROL

DISP: Terminal Sacrifice

HISTO: 19214

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Blood Vessel	* Bone
* Bone Marrow	* Brain	* Epididymis	* Esophagus
* Eye	* 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	* Peripheral Nerve
* Pharynx	* Pituitary Gland	* Prostate	* Salivary Glands
* Seminal Vesicle	* Skin	* Spinal Cord	* Spleen
* Stomach, Forestomach	* Stomach, Glandular	* Thymus	* Thyroid Gland
* Trachea	* Urinary Bladder		

MISSING

* Mammary Gland

OBSERVATIONS

* Blood Vessel			
Note: Aorta is normal.			
* Heart		Cardiomyopathy	Multifocal, Minimal
* Kidney	Bilateral	Nephropathy	Chronic, Minimal
* Liver		Fibrosis	Minimal
		Necrosis	Multifocal, Minimal
Note: Fibrosis is cholangiofibrosis.			
Note: Fibrin, erythrocytes and neutrophils are present in necrotic foci. The cause of this lesion is inapparent.			
[Necrosis TGLS = 1-4]			
* Lung		Hemorrhage	Multifocal, Minimal
	Alveolar Epith	Hyperplasia	Minimal
Note: Hyperplasia is Type 2 Cell.			
Note: Hemorrhage is subpleural.			
* Lymph Node, Bronchial		Congestion	
Note: Tracheobronchial lymph node has red blood cells present in subcapsular and/or medullary sinuses.			
* Perph Nerve			
Note: Sciatic nerve is normal.			

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05135-05
Test Type: SIX MONTH EXPOS.
Route: RESPIRATORY EXPOSURE WHOLE BODY
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Isoprene
CAS Number: 78-79-5

Date Report Requested: 10/16/2014
Time Report Requested: 02:39:34
First Dose M/F: NA / NA
Lab: BNW

ANIMAL ID: 44	TRT#: 1 DOSE: CONTROL	SEX: Male DISP: Terminal Sacrifice	DAY ON TEST: 368 HISTO: 19214
----------------------	--	---	--

ORGAN AND ACCOUNTABLE SITE STATUS

* Preputial Gland		Hyperplasia	Marked
* Testes	Interstit Cell	Hyperplasia	Minimal

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05135-05

Test Type: SIX MONTH EXPOS.

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Isoprene

CAS Number: 78-79-5

Date Report Requested: 10/16/2014

Time Report Requested: 02:39:34

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 45

TRT#: 1

SEX: Male

DAY ON TEST: 186

DOSE: CONTROL

DISP: Scheduled Sacrifice

HISTO: 19215

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Lymph Node, Mediastinal	* Mammary Gland
---------------------------	-----------------

OBSERVATIONS

* Blood Vessel			
Note: Aorta is normal.			
* Heart		Cardiomyopathy	Multifocal, Minimal
* Lung		Hemorrhage	Multifocal, Moderate
	Peribronchial	Hyperplasia	Lymphoid, Multifocal, Minimal
Note: Hemorrhage is subpleural.			
[Hemorrhage TGLS = 1-3]			
* Lymph Node, Bronchial		Congestion	
Note: Tracheobronchial lymph node has red blood cells present in subcapsular and/or medullary sinuses.			
* Perph Nerve			
Note: Sciatic nerve is normal.			
* Testes	Interstit Cell	Hyperplasia	Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05135-05

Test Type: SIX MONTH EXPOS.

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Isoprene

CAS Number: 78-79-5

Date Report Requested: 10/16/2014

Time Report Requested: 02:39:34

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 46

TRT#: 1

SEX: Male

DAY ON TEST: 368

DOSE: CONTROL

DISP: Terminal Sacrifice

HISTO: 19216

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Blood Vessel	* Bone
* Bone Marrow	* 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	* Kidney	* Larynx	* Liver
* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Nose	* Pancreas
* Parathyroid Gland	* Peripheral Nerve	* Pharynx	* Preputial Gland
* Prostate	* Salivary Glands	* Seminal Vesicle	* Skin
* Spinal Cord	* Spleen	* Stomach, Forestomach	* Stomach, Glandular
* Thymus	* Thyroid Gland	* Trachea	* Urinary Bladder

MISSING

* Mammary Gland

OBSERVATIONS

* Blood Vessel			
Note: Aorta is normal.			
Harderian Gland		Hyperplasia	Lymphoid, Minimal
Note: Hyperplasia is reactive.			
* Lung	Alveolus	Hemorrhage	Minimal
		Hemorrhage	Multifocal, Mild
	Alveolar Epith	Hyperplasia	Minimal
Note: TGL 3 = NCL			
Note: Hemorrhage, mild is subpleural.			
Note: Hyperplasia is Type 2 Cell.			
[Hemorrhage TGLS = 2-3]			
* Lymph Node, Bronchial		Congestion	
Note: Tracheobronchial lymph node has red blood cells present in subcapsular and/or medullary sinuses.			
* Lymph Node, Mediastinal		Congestion	
		Pigmentation	Hemosiderin
Note: Red blood cells present in cortical and/or medullary sinuses.			
* Perph Nerve			

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05135-05
Test Type: SIX MONTH EXPOS.
Route: RESPIRATORY EXPOSURE WHOLE BODY
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Isoprene
CAS Number: 78-79-5

Date Report Requested: 10/16/2014
Time Report Requested: 02:39:34
First Dose M/F: NA / NA
Lab: BNW

ANIMAL ID: 46	TRT#: 1	SEX: Male	DAY ON TEST: 368
	DOSE: CONTROL	DISP: Terminal Sacrifice	HISTO: 19216

ORGAN AND ACCOUNTABLE SITE STATUS

Note: Sciatic nerve is normal.			
* Pituitary Gland		Adenoma	
Note: -B-Adenoma [Adenoma TGLS = 1, 4-8]			
* Testes	Interstit Cell	Hyperplasia	Mild
PRIMARY CAUSE OF DEATH	-		

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05135-05

Test Type: SIX MONTH EXPOS.

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Isoprene

CAS Number: 78-79-5

Date Report Requested: 10/16/2014

Time Report Requested: 02:39:35

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 47

TRT#: 1

SEX: Male

DAY ON TEST: 368

DOSE: CONTROL

DISP: Terminal Sacrifice

HISTO: 19217

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Blood Vessel	* Bone
* Bone Marrow	* 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	* Liver	* Lymph Node, Bronchial
* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Nose	* Pancreas
* Parathyroid Gland	* Peripheral Nerve	* Pharynx	* Pituitary Gland
* Prostate	* Salivary Glands	* Seminal Vesicle	* Skin
* Spinal Cord	* Spleen	* Stomach, Forestomach	* Stomach, Glandular
* Thymus	* Thyroid Gland	* Trachea	* Urinary Bladder

MISSING

* Mammary Gland

OBSERVATIONS

* Blood Vessel Note: Aorta is normal.			
* Kidney Note: TGL 1 = NCL	Bilateral	Nephropathy	Chronic, Minimal
* Liver Note: TGL 1 = NCL			
* Lung Note: Hyperplasia is Type 2 Cell. Note: Hemorrhage is subpleural. [Hemorrhage TGLS = 2-3]	Alveolar Epith	Hemorrhage Hyperplasia	Multifocal, Minimal Minimal
* Lym Node Bron Note: Tracheobronchial lymph node is normal.			
* Lymph Node, Mediastinal Note: Red blood cells present in cortical and/or medullary sinuses.		Congestion	
* Perph Nerve Note: Sciatic nerve is normal.			
* Preputial Gland		Inflammation	Suppurative, Minimal

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05135-05
Test Type: SIX MONTH EXPOS.
Route: RESPIRATORY EXPOSURE WHOLE BODY
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Isoprene
CAS Number: 78-79-5

Date Report Requested: 10/16/2014
Time Report Requested: 02:39:35
First Dose M/F: NA / NA
Lab: BNW

ANIMAL ID: 47	TRT#: 1	SEX: Male	DAY ON TEST: 368
	DOSE: CONTROL	DISP: Terminal Sacrifice	HISTO: 19217

ORGAN AND ACCOUNTABLE SITE STATUS

* Testes	Interstit Cell	Hyperplasia	Mild
PRIMARY CAUSE OF DEATH	-		

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05135-05

Test Type: SIX MONTH EXPOS.

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Isoprene

CAS Number: 78-79-5

Date Report Requested: 10/16/2014

Time Report Requested: 02:39:35

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 48

TRT#: 1

SEX: Male

DAY ON TEST: 368

DOSE: CONTROL

DISP: Terminal Sacrifice

HISTO: 19218

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Mammary Gland

OBSERVATIONS

* Blood Vessel			
Note: Aorta is normal.			
* Islets, Pancreatic		Hyperplasia	Minimal
* Kidney	Bilateral	Nephropathy	Chronic, Mild
* Lung		Hemorrhage	Multifocal, Mild
	Perivascular	Hyperplasia	Lymphoid, Multifocal, Minimal
	Alveolus	Infiltration Cellular	Histiocyte, Focal, Minimal
Note: Hemorrhage is subpleural.			
[Hemorrhage TGLS = 1-3]			
* Lym Node Bron			
Note: Tracheobronchial lymph node is normal.			
* Perph Nerve			
Note: Sciatic nerve is normal.			
* Pituitary Gland		Adenoma	
Note: -B-Adenoma			
* Testes	Interstit Cell	Hyperplasia	Marked

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05135-05
Test Type: SIX MONTH EXPOS.
Route: RESPIRATORY EXPOSURE WHOLE BODY
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Isoprene
CAS Number: 78-79-5

Date Report Requested: 10/16/2014
Time Report Requested: 02:39:35
First Dose M/F: NA / NA
Lab: BNW

ANIMAL ID: 48

TRT#: 1

SEX: Male

DAY ON TEST: 368

DOSE: CONTROL

DISP: Terminal Sacrifice

HISTO: 19218

ORGAN AND ACCOUNTABLE SITE STATUS

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05135-05

Test Type: SIX MONTH EXPOS.

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Isoprene

CAS Number: 78-79-5

Date Report Requested: 10/16/2014

Time Report Requested: 02:39:35

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 49

TRT#: 1

SEX: Male

DAY ON TEST: 368

DOSE: CONTROL

DISP: Terminal Sacrifice

HISTO: 19219

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Blood Vessel	* Bone
* Bone Marrow	* Brain	* Epididymis	* Esophagus
* Eye	* 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
* Nose	* Pancreas	* Parathyroid Gland	* Peripheral Nerve
* Pharynx	* Pituitary Gland	* Preputial Gland	* Prostate
* Salivary Glands	* Seminal Vesicle	* Skin	* Spinal Cord
* Spleen	* Stomach, Forestomach	* Stomach, Glandular	* Thymus
* Thyroid Gland	* Trachea	* Urinary Bladder	

MISSING

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

OBSERVATIONS

* Blood Vessel			
Note: Aorta is normal.			
* Heart		Cardiomyopathy	Minimal
* Kidney	Bilateral	Nephropathy	Chronic, Mild
* Lung		Hemorrhage	Minimal
	Perivascular	Hyperplasia	Lymphoid, Multifocal, Minimal
Note: Hemorrhage is subpleural			
* Lym Node Bron			
Note: Tracheobronchial lymph node is normal.			
* Lymph Node, Mediastinal		Congestion	
Note: Red blood cells present in cortical and/or medullary sinuses.			
* Perph Nerve			
Note: Sciatic nerve is normal.			
* Testes	Interstit Cell	Hyperplasia	Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05135-05

Test Type: SIX MONTH EXPOS.

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Isoprene

CAS Number: 78-79-5

Date Report Requested: 10/16/2014

Time Report Requested: 02:39:35

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 50

TRT#: 1

SEX: Male

DAY ON TEST: 368

DOSE: CONTROL

DISP: Terminal Sacrifice

HISTO: 19220

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Blood Vessel	* Bone
* Bone Marrow	* Brain	* Esophagus	* Eye
* Heart	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Larynx
* Liver	* Lymph Node, Bronchial	* Lymph Node, Mandibular	* Lymph Node, Mesenteric
* Nose	* Parathyroid Gland	* Peripheral Nerve	* Pharynx
* Pituitary Gland	* Prostate	* Salivary Glands	* Seminal Vesicle
* Skin	* Spinal Cord	* Spleen	* Stomach, Forestomach
* Stomach, Glandular	* Thymus	* Thyroid Gland	* Trachea
* Urinary Bladder			

MISSING

* Mammary Gland

OBSERVATIONS

* Blood Vessel Note: Aorta is normal.			
* Epididymis		Hypospermia	Marked
* Islets, Pancreatic		Hyperplasia	Minimal
* Kidney	Bilateral	Nephropathy	Chronic, Mild
* Lung Note: Hemorrhage is subpleural. [Hemorrhage TGLS = 3-3]		Hemorrhage	Mild
* Lym Node Bron Note: Tracheobronchial lymph node is normal.			
* Lymph Node, Mediastinal Note: Red blood cells present in cortical and/or medullary sinuses.		Congestion	
* Pancreas Note: Atrophy is exocrine.		Atrophy	Minimal
* Perph Nerve Note: Sciatic nerve is normal.			
* Preputial Gland		Infiltration Cellular	Mixed Cell, Minimal

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05135-05
Test Type: SIX MONTH EXPOS.
Route: RESPIRATORY EXPOSURE WHOLE BODY
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Isoprene
CAS Number: 78-79-5

Date Report Requested: 10/16/2014
Time Report Requested: 02:39:35
First Dose M/F: NA / NA
Lab: BNW

ANIMAL ID: 50	TRT#: 1 DOSE: CONTROL	SEX: Male DISP: Terminal Sacrifice	DAY ON TEST: 368 HISTO: 19220
----------------------	--	---	--

ORGAN AND ACCOUNTABLE SITE STATUS

* Testes	Interstit Cell Interstit Cell	Inflammation Adenoma Hyperplasia	Suppurative, Minimal Moderate
----------	----------------------------------	--	--------------------------------------

Note: TGL 2 = NCL.
[Adenoma TGLS = 1-7]

PRIMARY CAUSE OF DEATH	-
------------------------	---

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05135-05
Test Type: SIX MONTH EXPOS.
Route: RESPIRATORY EXPOSURE WHOLE BODY
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Isoprene
CAS Number: 78-79-5

Date Report Requested: 10/16/2014
Time Report Requested: 02:39:35
First Dose M/F: NA / NA
Lab: BNW

ANIMAL ID: 211	TRT#: 2 DOSE: 70 PPM	SEX: Male DISP: Terminal Sacrifice	DAY ON TEST: 368 HISTO: 19481
OBSERVATIONS			
* Lung Note: Hemorrhage is subpleural. [Hemorrhage TGLS = 1-3]		Hemorrhage	Multifocal, Minimal
* Testes	Interstit Cell	Hyperplasia	Minimal
PRIMARY CAUSE OF DEATH			
-			

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05135-05
Test Type: SIX MONTH EXPOS.
Route: RESPIRATORY EXPOSURE WHOLE BODY
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Isoprene
CAS Number: 78-79-5

Date Report Requested: 10/16/2014
Time Report Requested: 02:39:35
First Dose M/F: NA / NA
Lab: BNW

ANIMAL ID: 212	TRT#: 2 DOSE: 70 PPM	SEX: Male DISP: Terminal Sacrifice	DAY ON TEST: 368 HISTO: 19482
OBSERVATIONS			
* Lung Note: Hemorrhage is subpleural.		Hemorrhage	Multifocal, Minimal
* Testes	Interstit Cell	Hyperplasia	Marked
PRIMARY CAUSE OF DEATH	-		

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05135-05
Test Type: SIX MONTH EXPOS.
Route: RESPIRATORY EXPOSURE WHOLE BODY
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Isoprene
CAS Number: 78-79-5

Date Report Requested: 10/16/2014
Time Report Requested: 02:39:35
First Dose M/F: NA / NA
Lab: BNW

ANIMAL ID: 213

TRT#: 2

SEX: Male

DAY ON TEST: 186

DOSE: 70 PPM

DISP: Scheduled Sacrifice

HISTO: 19483

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Blood Vessel	* Bone
* Bone Marrow	* 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	* Kidney	* Larynx	* Lymph Node, Bronchial
* Lymph Node, Mandibular	* Lymph Node, Mediastinal	* Lymph Node, Mesenteric	* Mammary Gland
* Nose	* Pancreas	* Parathyroid Gland	* Peripheral Nerve
* Pharynx	* Pituitary Gland	* Preputial Gland	* Prostate
* Salivary Glands	* Seminal Vesicle	* Skin	* Spinal Cord
* Spleen	* Stomach, Forestomach	* Stomach, Glandular	* Testes
* Thymus	* Thyroid Gland	* Trachea	* Urinary Bladder

OBSERVATIONS

* Blood Vessel
Note: Aorta is normal.

* Liver
[Hepatodiaphragmatic Nodule TGLS = 1-13]
Hepatodiaphragmatic Nodule

* Lung
Perivascular
Hemorrhage
Hyperplasia
Mild
Lymphoid, Focal, Minimal

Note: Hemorrhage is subpleural.
[Hemorrhage TGLS = 2-3]

* Lym Node Bron
Note: Tracheobronchial lymph node is normal.

* Perph Nerve
Note: Sciatic nerve is normal.

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05135-05
Test Type: SIX MONTH EXPOS.
Route: RESPIRATORY EXPOSURE WHOLE BODY
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Isoprene
CAS Number: 78-79-5

Date Report Requested: 10/16/2014
Time Report Requested: 02:39:35
First Dose M/F: NA / NA
Lab: BNW

ANIMAL ID: 214

TRT#: 2
DOSE: 70 PPM

SEX: Male
DISP: Terminal Sacrifice

DAY ON TEST: 368
HISTO: 19484

OBSERVATIONS

* Lung

Peribronchial
Perivascular
Alveolus

Hemorrhage
Hyperplasia
Hyperplasia
Infiltration Cellular

Multifocal, Minimal
Lymphoid, Multifocal, Minimal
Lymphoid, Multifocal, Minimal
Histiocyte, Multifocal, Minimal

Note: Hemorrhage is subpleural.

* Testes

Interstit Cell

Hyperplasia

Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05135-05

Test Type: SIX MONTH EXPOS.

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Isoprene

CAS Number: 78-79-5

Date Report Requested: 10/16/2014

Time Report Requested: 02:39:35

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 215

TRT#: 2

SEX: Male

DAY ON TEST: 186

DOSE: 70 PPM

DISP: Scheduled Sacrifice

HISTO: 19485

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- | | | | |
|---------------------------|-----------------------------|---------------------------|----------------------------|
| * Adrenal Cortex | * Adrenal Medulla | * Blood Vessel | * Bone |
| * Bone Marrow | * 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 | * Kidney | * Larynx | * Liver |
| * Lymph Node, Bronchial | * Lymph Node, Mandibular | * Lymph Node, Mediastinal | * Lymph Node, Mesenteric |
| * Mammary Gland | * Nose | * Pancreas | * Parathyroid Gland |
| * Peripheral Nerve | * Pharynx | * Pituitary Gland | * Preputial Gland |
| * Prostate | * Salivary Glands | * Seminal Vesicle | * Skin |
| * Spinal Cord | * Spleen | * Stomach, Forestomach | * Stomach, Glandular |
| * Testes | * Thymus | * Thyroid Gland | * Trachea |
| * Urinary Bladder | | | |

OBSERVATIONS

- * Blood Vessel
Note: Aorta is normal.
- * Lung
Note: Hemorrhage is subpleural.
[Hemorrhage TGLS = 1-3]
Hemorrhage Minimal
- * Lym Node Bron
Note: Tracheobronchial lymph node is normal.
- * Perph Nerve
Note: Sciatic nerve is normal.

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05135-05
Test Type: SIX MONTH EXPOS.
Route: RESPIRATORY EXPOSURE WHOLE BODY
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Isoprene
CAS Number: 78-79-5

Date Report Requested: 10/16/2014
Time Report Requested: 02:39:35
First Dose M/F: NA / NA
Lab: BNW

ANIMAL ID: 217	TRT#: 2 DOSE: 70 PPM	SEX: Male DISP: Terminal Sacrifice	DAY ON TEST: 368 HISTO: 19487
OBSERVATIONS			
* Lung Note: Hemorrhage is subpleural.		Hemorrhage	Multifocal, Minimal
* Spleen Note: TGL 2 = NCL			
* Testes	Interstit Cell	Hyperplasia	Marked
PRIMARY CAUSE OF DEATH			
-			

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05135-05
Test Type: SIX MONTH EXPOS.
Route: RESPIRATORY EXPOSURE WHOLE BODY
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Isoprene
CAS Number: 78-79-5

Date Report Requested: 10/16/2014
Time Report Requested: 02:39:35
First Dose M/F: NA / NA
Lab: BNW

ANIMAL ID: 218

TRT#: 2
DOSE: 70 PPM

SEX: Male
DISP: Terminal Sacrifice

DAY ON TEST: 368
HISTO: 19488

OBSERVATIONS

* Lung

Alveolar Epith
Perivascular
Alveolus

Hemorrhage
Hyperplasia
Hyperplasia
Infiltration Cellular

Multifocal, Minimal
Multifocal, Minimal
Lymphoid, Multifocal, Minimal
Histiocyte, Multifocal, Minimal

Note: Hyperplasia, alveolar epithelium is a type 2 cell.

Note: Hemorrhage is subpleural.

[Hemorrhage TGLS = 1-3]

* Lymph Node, Mediastinal

Congestion
Hyperplasia

Note: Hyperplasia is reactive.

Note: Red blood cells present in cortical and/or medullary sinuses.

[Hyperplasia TGLS = 2-2]

* Testes

Interstit Cell

Hyperplasia

Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05135-05
Test Type: SIX MONTH EXPOS.
Route: RESPIRATORY EXPOSURE WHOLE BODY
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Isoprene
CAS Number: 78-79-5

Date Report Requested: 10/16/2014
Time Report Requested: 02:39:35
First Dose M/F: NA / NA
Lab: BNW

ANIMAL ID: 219

TRT#: 2

SEX: Male

DAY ON TEST: 368

DOSE: 70 PPM

DISP: Terminal Sacrifice

HISTO: 19489

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Pituitary Gland

OBSERVATIONS

* Brain		Hemorrhage	Mild
[Hemorrhage TGLS = 4-1]			
* Lung		Hemorrhage	Multifocal, Minimal
	Alveolar Epith	Hyperplasia	Multifocal, Mild
	Perivascular	Hyperplasia	Lymphoid, Multifocal, Mild
	Alveolus	Infiltration Cellular	Histiocyte, Multifocal, Minimal
Note: Hyperplasia, alveolar epithelium is a type 2 cell.			
Note: Hemorrhage is subplueral.			
[Hemorrhage TGLS = 2-3]			
* Lymph Node, Mediastinal		Hyperplasia	
Note: Hyperplasia is reactive.			
[Hyperplasia TGLS = 3-2]			
* Pituitary Gl			
Note: TGL 5 = NCL			
* Spleen		Accessory Spleen	
Note: Developmental Anomaly (Ectopic Splenic Tissue)			
[Accessory Spleen TGLS = 1-13]			
* Testes	Interstit Cell	Adenoma	
	Interstit Cell	Hyperplasia	Marked

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05135-05
Test Type: SIX MONTH EXPOS.
Route: RESPIRATORY EXPOSURE WHOLE BODY
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Isoprene
CAS Number: 78-79-5

Date Report Requested: 10/16/2014
Time Report Requested: 02:39:35
First Dose M/F: NA / NA
Lab: BNW

ANIMAL ID: 220	TRT#: 2 DOSE: 70 PPM	SEX: Male DISP: Terminal Sacrifice	DAY ON TEST: 368 HISTO: 19490
OBSERVATIONS			
* Lung Note: Hemorrhage is subpleural. [Hemorrhage TGLS = 2-3]		Hemorrhage	Multifocal, Minimal
* Pituitary Gland Note: -B-Adenoma [Adenoma TGLS = 1-8]		Adenoma	
* Testes	Interstit Cell	Hyperplasia	Minimal
<hr/> PRIMARY CAUSE OF DEATH - <hr/>			

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05135-05
Test Type: SIX MONTH EXPOS.
Route: RESPIRATORY EXPOSURE WHOLE BODY
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Isoprene
CAS Number: 78-79-5

Date Report Requested: 10/16/2014
Time Report Requested: 02:39:35
First Dose M/F: NA / NA
Lab: BNW

ANIMAL ID: 221	TRT#: 2 DOSE: 70 PPM	SEX: Male DISP: Terminal Sacrifice	DAY ON TEST: 368 HISTO: 19491
-----------------------	---------------------------------------	---	--

OBSERVATIONS

* Lung Note: Hemorrhage is subpleural. [Hemorrhage TGLS = 1-3]		Hemorrhage	Multifocal, Mild
* Spleen Note: Diagnosis is based on presence of monotonous population of mononuclear cells in splenic red pulp and slight increase of mononuclear cells in Hepatic sinusoids. Note: -M-Leukemia, mononuclear [Leukemia Mononuclear TGLS = 2-4]		Leukemia Mononuclear	
* Testes [Leukemia Mononuclear TGLS = 2-4]	Interstitial Cell	Hyperplasia Leukemia Mononuclear	Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05135-05
Test Type: SIX MONTH EXPOS.
Route: RESPIRATORY EXPOSURE WHOLE BODY
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Isoprene
CAS Number: 78-79-5

Date Report Requested: 10/16/2014
Time Report Requested: 02:39:35
First Dose M/F: NA / NA
Lab: BNW

ANIMAL ID: 222

TRT#: 2
DOSE: 70 PPM

SEX: Male
DISP: Terminal Sacrifice

DAY ON TEST: 368
HISTO: 19492

OBSERVATIONS

* Lung Note: Hemorrhage is subpleural. [Hemorrhage TGLS = 2-3]		Hemorrhage	Multifocal, Minimal
* Pituitary Gland Note: -B-Adenoma [Adenoma TGLS = 1-8]		Adenoma	
* Testes	Interstit Cell	Hyperplasia	Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05135-05

Test Type: SIX MONTH EXPOS.

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Isoprene

CAS Number: 78-79-5

Date Report Requested: 10/16/2014

Time Report Requested: 02:39:35

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 223

TRT#: 2

SEX: Male

DAY ON TEST: 186

DOSE: 70 PPM

DISP: Scheduled Sacrifice

HISTO: 19493

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- | | | | |
|---------------------------|-----------------------------|---------------------------|----------------------------|
| * Adrenal Cortex | * Adrenal Medulla | * Blood Vessel | * Bone |
| * Bone Marrow | * 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 | * Kidney | * Larynx | * Liver |
| * Lymph Node, Bronchial | * Lymph Node, Mandibular | * Lymph Node, Mediastinal | * Lymph Node, Mesenteric |
| * Mammary Gland | * Nose | * Pancreas | * Parathyroid Gland |
| * Peripheral Nerve | * Pharynx | * Pituitary Gland | * Preputial Gland |
| * Prostate | * Salivary Glands | * Seminal Vesicle | * Skin |
| * Spinal Cord | * Spleen | * Stomach, Forestomach | * Stomach, Glandular |
| * Testes | * Thymus | * Thyroid Gland | * Trachea |
| * Urinary Bladder | | | |

OBSERVATIONS

- * Blood Vessel
Note: Aorta is normal.
- * Lung
Note: Hemorrhage is subpleural.
[Hemorrhage TGLS = 1-3]
Hemorrhage Mild
- * Lym Node Bron
Note: Tracheobronchial lymph node is normal.
- * Perph Nerve
Note: Sciatic nerve is normal.

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05135-05
Test Type: SIX MONTH EXPOS.
Route: RESPIRATORY EXPOSURE WHOLE BODY
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Isoprene
CAS Number: 78-79-5

Date Report Requested: 10/16/2014
Time Report Requested: 02:39:35
First Dose M/F: NA / NA
Lab: BNW

ANIMAL ID: 224

TRT#: 2
DOSE: 70 PPM

SEX: Male
DISP: Terminal Sacrifice

DAY ON TEST: 368
HISTO: 19494

OBSERVATIONS

* Liver
[Hepatodiaphragmatic Nodule TGLS = 2-12]

Hepatodiaphragmatic Nodule

* Lung
Peribronchial
Perivascular

Hemorrhage
Hyperplasia
Hyperplasia

Multifocal, Minimal
Lymphoid, Focal, Minimal
Lymphoid, Multifocal, Minimal

Note: Hemorrhage is subpleural.
[Hemorrhage TGLS = 3-3]

* Testes
Interstitial Cell

Hyperplasia

Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05135-05
Test Type: SIX MONTH EXPOS.
Route: RESPIRATORY EXPOSURE WHOLE BODY
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Isoprene
CAS Number: 78-79-5

Date Report Requested: 10/16/2014
Time Report Requested: 02:39:35
First Dose M/F: NA / NA
Lab: BNW

ANIMAL ID: 225

TRT#: 2

SEX: Male

DAY ON TEST: 186

DOSE: 70 PPM

DISP: Scheduled Sacrifice

HISTO: 19495

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Blood Vessel	* Bone
* Bone Marrow	* 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	* Kidney	* Larynx	* Liver
* Lymph Node, Bronchial	* Lymph Node, Mandibular	* Lymph Node, Mediastinal	* Lymph Node, Mesenteric
* Mammary Gland	* Nose	* Pancreas	* Parathyroid Gland
* Peripheral Nerve	* Pharynx	* Pituitary Gland	* Preputial Gland
* Prostate	* Salivary Glands	* Seminal Vesicle	* Skin
* Spinal Cord	* Spleen	* Stomach, Forestomach	* Stomach, Glandular
* Testes	* Thymus	* Thyroid Gland	* Trachea
* Urinary Bladder			

OBSERVATIONS

* Blood Vessel Note: Aorta is normal.			
* Lung Note: Hemorrhage is subpleural. [Hemorrhage TGLS = 1-3]	Hemorrhage		Minimal
* Lym Node Bron Note: Tracheobronchial lymph node is normal.			
* Perph Nerve Note: Sciatic nerve is normal.			

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05135-05
Test Type: SIX MONTH EXPOS.
Route: RESPIRATORY EXPOSURE WHOLE BODY
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Isoprene
CAS Number: 78-79-5

Date Report Requested: 10/16/2014
Time Report Requested: 02:39:35
First Dose M/F: NA / NA
Lab: BNW

ANIMAL ID: 226

TRT#: 2
DOSE: 70 PPM

SEX: Male
DISP: Terminal Sacrifice

DAY ON TEST: 368
HISTO: 19496

OBSERVATIONS

* Lung

Alveolar Epith
Peribronchial
Perivascular
Alveolus

Hemorrhage
Hyperplasia
Hyperplasia
Hyperplasia
Infiltration Cellular

Multifocal, Minimal
Multifocal, Mild
Lymphoid, Focal, Minimal
Lymphoid, Multifocal, Moderate
Histiocyte, Multifocal, Mild

Note: Hemorrhage is subpleural.

Note: Hyperplasia, alveolar epithelium is a type 2 cell.

[Hemorrhage TGLS = 1-3]

* Testes

Interstit Cell
Interstit Cell

Adenoma
Hyperplasia

Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05135-05
Test Type: SIX MONTH EXPOS.
Route: RESPIRATORY EXPOSURE WHOLE BODY
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Isoprene
CAS Number: 78-79-5

Date Report Requested: 10/16/2014
Time Report Requested: 02:39:35
First Dose M/F: NA / NA
Lab: BNW

ANIMAL ID: 227

TRT#: 2
DOSE: 70 PPM

SEX: Male
DISP: Terminal Sacrifice

DAY ON TEST: 368
HISTO: 19497

OBSERVATIONS

* Lung

Alveolar Epith
Peribronchial
Perivascular
Alveolus

Hemorrhage
Hyperplasia
Hyperplasia
Hyperplasia
Infiltration Cellular

Multifocal, Minimal
Multifocal, Mild
Lymphoid, Multifocal, Minimal
Lymphoid, Multifocal, Moderate
Histocyte, Multifocal, Mild

Note: Hemorrhage is subpleural.

Note: Hyperplasia, alveolar epithelium is a type 2 cell.

[Hemorrhage TGLS = 2-3]

* Spleen

Leukemia Mononuclear

Note: Diagnosis based on the presence of a monotonous population mononuclear cells in the splenic red pulp and small number of mononuclear cells in hepatic sinusoids.

Note: Changes in this spleen are interpreted as an early stage of mononuclear leukemia

Note: -M-Leukemia, Mononuclear

[Leukemia Mononuclear TGLS = 1-4]

* Testes

Interstit Cell

Hyperplasia
Leukemia Mononuclear

Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05135-05

Test Type: SIX MONTH EXPOS.

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Isoprene

CAS Number: 78-79-5

Date Report Requested: 10/16/2014

Time Report Requested: 02:39:35

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 228

TRT#: 2

SEX: Male

DAY ON TEST: 186

DOSE: 70 PPM

DISP: Scheduled Sacrifice

HISTO: 19498

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Blood Vessel	* Bone
* Bone Marrow	* 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	* Kidney	* Larynx	* Liver
* Lymph Node, Bronchial	* Lymph Node, Mandibular	* Lymph Node, Mediastinal	* Lymph Node, Mesenteric
* Mammary Gland	* Nose	* Pancreas	* Parathyroid Gland
* Peripheral Nerve	* Pharynx	* Pituitary Gland	* Preputial Gland
* Prostate	* Salivary Glands	* Seminal Vesicle	* Skin
* Spinal Cord	* Spleen	* Stomach, Forestomach	* Stomach, Glandular
* Testes	* Thymus	* Thyroid Gland	* Trachea
* Urinary Bladder			

OBSERVATIONS

* Blood Vessel Note: Aorta is normal.			
* Lung Note: Hemorrhage is subpleural. [Hemorrhage TGLS = 1-3]	Hemorrhage		Minimal
* Lym Node Bron Note: Tracheobronchial lymph node is normal.			
* Perph Nerve Note: Sciatic nerve is normal.			

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05135-05
Test Type: SIX MONTH EXPOS.
Route: RESPIRATORY EXPOSURE WHOLE BODY
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Isoprene
CAS Number: 78-79-5

Date Report Requested: 10/16/2014
Time Report Requested: 02:39:35
First Dose M/F: NA / NA
Lab: BNW

ANIMAL ID: 229	TRT#: 2 DOSE: 70 PPM	SEX: Male DISP: Terminal Sacrifice	DAY ON TEST: 368 HISTO: 19499
OBSERVATIONS			
* Liver [Hepatodiaphragmatic Nodule TGLS = 1-13]		Hepatodiaphragmatic Nodule	
* Lung Note: Hyperplasia, alveolar epithelium is a type 2 cell. Note: Hemorrhage is subpleural. [Hemorrhage TGLS = 2-3]	Alveolar Epith Perivascular Alveolus	Hemorrhage Hyperplasia Hyperplasia Infiltration Cellular	Multifocal, Minimal Multifocal, Minimal Lymphoid, Multifocal, Mild Histiocyte, Multifocal, Mild
* Testes	Interstit Cell	Hyperplasia	Marked
PRIMARY CAUSE OF DEATH -			

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05135-05

Test Type: SIX MONTH EXPOS.

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Isoprene

CAS Number: 78-79-5

Date Report Requested: 10/16/2014

Time Report Requested: 02:39:35

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 230

TRT#: 2

SEX: Male

DAY ON TEST: 186

DOSE: 70 PPM

DISP: Scheduled Sacrifice

HISTO: 19500

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex
* Bone Marrow
* Eye
* Intestine Large, Rectum
* Islets, Pancreatic
* Lymph Node, Bronchial
* Mammary Gland
* Peripheral Nerve
* Prostate
* Spinal Cord
* Testes
* Urinary Bladder

* Adrenal Medulla
* Brain
* Heart
* Intestine Small, Duodenum
* Kidney
* Lymph Node, Mandibular
* Nose
* Pharynx
* Salivary Glands
* Spleen
* Thymus

* Blood Vessel
* Epididymis
* Intestine Large, Cecum
* Intestine Small, Ileum
* Larynx
* Lymph Node, Mediastinal
* Pancreas
* Pituitary Gland
* Seminal Vesicle
* Stomach, Forestomach
* Thyroid Gland

* Bone
* Esophagus
* Intestine Large, Colon
* Intestine Small, Jejunum
* Liver
* Lymph Node, Mesenteric
* Parathyroid Gland
* Preputial Gland
* Skin
* Stomach, Glandular
* Trachea

OBSERVATIONS

* Blood Vessel
Note: Aorta is normal.

* Lung
Note: Hemorrhage is subpleural.
[Hemorrhage TGLS = 1-3]

* Lym Node Bron
Note: Tracheobronchial lymph node is normal.

* Perph Nerve
Note: Sciatic nerve is normal.

Hemorrhage

Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05135-05
Test Type: SIX MONTH EXPOS.
Route: RESPIRATORY EXPOSURE WHOLE BODY
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Isoprene
CAS Number: 78-79-5

Date Report Requested: 10/16/2014
Time Report Requested: 02:39:35
First Dose M/F: NA / NA
Lab: BNW

ANIMAL ID: 231

TRT#: 2

SEX: Male

DAY ON TEST: 368

DOSE: 70 PPM

DISP: Terminal Sacrifice

HISTO: 19501

OBSERVATIONS

* Liver

Note: TGL 2 = NCL

* Lung

Alveolar Epith
 Peribronchial
 Perivascular
 Alveolus

Hemorrhage
 Hyperplasia
 Hyperplasia
 Hyperplasia
 Infiltration Cellular

Multifocal, Minimal
 Multifocal, Moderate
 Lymphoid, Multifocal, Minimal
 Lymphoid, Multifocal, Moderate
 Histiocyte, Multifocal, Moderate

Note: Hyperplasia, alveolar epithelium is a type 2 cell.

Note: Hemorrhage is subpleural.

[Hemorrhage TGLS = 3-3]

* Lymph Node, Mediastinal

Congestion
 Hyperplasia

Note: Red blood cells present in cortical and/or medullary sinuses.

Note: Hyperplasia is reactive.

[Congestion TGLS = 4-2]

[Hyperplasia TGLS = 4-2]

Mesentery

Necrosis

Note: Fat Necrosis.

[Necrosis TGLS = 1-14]

* Pituitary Gland

Adenoma
 Hyperplasia

Mild

Note: -B-Adenoma

[Adenoma TGLS = 5-8]

* Testes

Interstit Cell

Hyperplasia

Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05135-05
Test Type: SIX MONTH EXPOS.
Route: RESPIRATORY EXPOSURE WHOLE BODY
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Isoprene
CAS Number: 78-79-5

Date Report Requested: 10/16/2014
Time Report Requested: 02:39:35
First Dose M/F: NA / NA
Lab: BNW

ANIMAL ID: 232

TRT#: 2

SEX: Male

DAY ON TEST: 186

DOSE: 70 PPM

DISP: Scheduled Sacrifice

HISTO: 19502

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Blood Vessel	* Bone
* Bone Marrow	* 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	* Kidney	* Larynx	* Liver
Lymph Node	* Lymph Node, Bronchial	* Lymph Node, Mandibular	* Lymph Node, Mesenteric
* Mammary Gland	* Nose	* Pancreas	* Parathyroid Gland
* Peripheral Nerve	* Pharynx	* Pituitary Gland	* Preputial Gland
* Prostate	* Salivary Glands	* Seminal Vesicle	* Skin
* Spinal Cord	* Spleen	* Stomach, Forestomach	* Stomach, Glandular
* Thymus	* Thyroid Gland	* Trachea	* Urinary Bladder

OBSERVATIONS

* Blood Vessel Note: Aorta is normal.			
* Lung Note: Hemorrhage is subpleural. [Hemorrhage TGLS = 3-3]		Hemorrhage	Mild
* Lym Node Bron Note: Tracheobronchial lymph node is normal.			
Lymph Node Note: Pancreatic lymph node has TGL 2-4 = NCL			
* Lymph Node, Mediastinal Note: Red blood cells present in cortical and/or medullary sinuses. [Congestion TGLS = 1-2]		Congestion	
* Perph Nerve Note: Sciatic nerve is normal.			
* Testes Interstitial Cell		Hyperplasia	Minimal

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05135-05

Test Type: SIX MONTH EXPOS.

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Isoprene

CAS Number: 78-79-5

Date Report Requested: 10/16/2014

Time Report Requested: 02:39:35

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 233

TRT#: 2

DOSE: 70 PPM

SEX: Male

DISP: Scheduled Sacrifice

DAY ON TEST: 186

HISTO: 19503

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- | | | | |
|---------------------------|-----------------------------|--------------------------|----------------------------|
| * Adrenal Cortex | * Adrenal Medulla | * Blood Vessel | * Bone |
| * Bone Marrow | * 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 | * Kidney | * Larynx | * Lymph Node, Bronchial |
| * Lymph Node, Mandibular | * Lymph Node, Mediastinal | * Lymph Node, Mesenteric | * Mammary Gland |
| * Nose | * Pancreas | * Parathyroid Gland | * Peripheral Nerve |
| * Pharynx | * Pituitary Gland | * Preputial Gland | * Prostate |
| * Salivary Glands | * Seminal Vesicle | * Skin | * Spinal Cord |
| * Spleen | * Stomach, Forestomach | * Stomach, Glandular | * Testes |
| * Thymus | * Thyroid Gland | * Trachea | * Urinary Bladder |

OBSERVATIONS

- * Blood Vessel
Note: Aorta is normal.
- * Liver
[Hepatodiaphragmatic Nodule TGLS = 2-13]
Hepatodiaphragmatic Nodule
- * Lung
Note: Hemorrhage is subpleural.
[Hemorrhage TGLS = 1-3]
Hemorrhage Minimal
- * Lym Node Bron
Note: Tracheobronchial lymph node is normal.
- * Perph Nerve
Note: Sciatic nerve is normal.

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05135-05
Test Type: SIX MONTH EXPOS.
Route: RESPIRATORY EXPOSURE WHOLE BODY
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Isoprene
CAS Number: 78-79-5

Date Report Requested: 10/16/2014
Time Report Requested: 02:39:35
First Dose M/F: NA / NA
Lab: BNW

ANIMAL ID: 234

TRT#: 2

SEX: Male

DAY ON TEST: 368

DOSE: 70 PPM

DISP: Terminal Sacrifice

HISTO: 19504

OBSERVATIONS

* Liver [Hepatodiaphragmatic Nodule TGLS = 2-13]		Hepatodiaphragmatic Nodule	
* Lung Note: Hemorrhage is subpleural. [Hemorrhage TGLS = 4-3]		Hemorrhage	Multifocal, Minimal
Mesentery Note: Fat Necrosis. [Necrosis TGLS = 1-14]		Necrosis	
* Pituitary Gland Note: -B-Adenoma [Adenoma TGLS = 3-8]		Adenoma	
* Testes	Interstit Cell	Hyperplasia	Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05135-05
Test Type: SIX MONTH EXPOS.
Route: RESPIRATORY EXPOSURE WHOLE BODY
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Isoprene
CAS Number: 78-79-5

Date Report Requested: 10/16/2014
Time Report Requested: 02:39:35
First Dose M/F: NA / NA
Lab: BNW

ANIMAL ID: 235

TRT#: 2

SEX: Male

DAY ON TEST: 368

DOSE: 70 PPM

DISP: Terminal Sacrifice

HISTO: 19505

OBSERVATIONS

* Lung

Perivascular

Hemorrhage

Multifocal, Minimal

Hyperplasia

Lymphoid, Multifocal, Minimal

Note: Hemorrhage is subpleural.

* Pituitary Gland

Adenoma

Note: -B-Adenoma

[Adenoma TGLS = 1-8]

* Spleen

Note: TGL 2 = NCL.

* Testes

Interstit Cell

Hyperplasia

Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05135-05

Test Type: SIX MONTH EXPOS.

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Isoprene

CAS Number: 78-79-5

Date Report Requested: 10/16/2014

Time Report Requested: 02:39:35

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 236

TRT#: 2

DOSE: 70 PPM

SEX: Male

DISP: Scheduled Sacrifice

DAY ON TEST: 186

HISTO: 19506

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- | | | | |
|---------------------------|-----------------------------|--------------------------|----------------------------|
| * Adrenal Cortex | * Adrenal Medulla | * Blood Vessel | * Bone |
| * Bone Marrow | * 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 | * Kidney | * Larynx | * Lymph Node, Bronchial |
| * Lymph Node, Mandibular | * Lymph Node, Mediastinal | * Lymph Node, Mesenteric | * Mammary Gland |
| * Nose | * Pancreas | * Parathyroid Gland | * Peripheral Nerve |
| * Pharynx | * Pituitary Gland | * Preputial Gland | * Prostate |
| * Salivary Glands | * Seminal Vesicle | * Skin | * Spinal Cord |
| * Spleen | * Stomach, Forestomach | * Stomach, Glandular | * Testes |
| * Thymus | * Thyroid Gland | * Trachea | * Urinary Bladder |

OBSERVATIONS

- * Blood Vessel
Note: Aorta is normal.
- * Liver
[Hepatodiaphragmatic Nodule TGLS = 2-13]
Hepatodiaphragmatic Nodule
- * Lung
Perivascular
Hemorrhage
Hyperplasia
Minimal
Lymphoid, Multifocal, Minimal
Note: Hemorrhage is subpleural.
[Hemorrhage TGLS = 1-3]
- * Lym Node Bron
Note: Tracheobronchial lymph node is normal.
- * Perph Nerve
Note: Sciatic nerve is normal.

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05135-05
Test Type: SIX MONTH EXPOS.
Route: RESPIRATORY EXPOSURE WHOLE BODY
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Isoprene
CAS Number: 78-79-5

Date Report Requested: 10/16/2014
Time Report Requested: 02:39:35
First Dose M/F: NA / NA
Lab: BNW

ANIMAL ID: 237

TRT#: 2
DOSE: 70 PPM

SEX: Male
DISP: Terminal Sacrifice

DAY ON TEST: 368
HISTO: 19507

OBSERVATIONS

* Lung

Alveolar Epith
Peribronchial
Perivascular
Alveolus

Hemorrhage
Hyperplasia
Hyperplasia
Hyperplasia
Infiltration Cellular

Multifocal, Minimal
Multifocal, Moderate
Lymphoid, Multifocal, Minimal
Lymphoid, Multifocal, Moderate
Histiocyte, Multifocal, Moderate

Note: Hyperplasia, alveolar epithelium is a type 2 cell.

Note: Hemorrhage is subpleural.

[Hemorrhage TGLS = 2-3]

* Pituitary Gland

Note: -B-Adenoma

[Adenoma TGLS = 1-8]

Adenoma

* Testes

Interstit Cell

Hyperplasia

Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05135-05
Test Type: SIX MONTH EXPOS.
Route: RESPIRATORY EXPOSURE WHOLE BODY
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Isoprene
CAS Number: 78-79-5

Date Report Requested: 10/16/2014
Time Report Requested: 02:39:35
First Dose M/F: NA / NA
Lab: BNW

ANIMAL ID: 238

TRT#: 2
DOSE: 70 PPM

SEX: Male
DISP: Terminal Sacrifice

DAY ON TEST: 368
HISTO: 19508

OBSERVATIONS

* Lung

Alveolar Epith
Peribronchial
Perivascular
Alveolus

Hemorrhage
Hyperplasia
Hyperplasia
Hyperplasia
Infiltration Cellular

Multifocal, Minimal
Multifocal, Moderate
Lymphoid, Multifocal, Minimal
Lymphoid, Multifocal, Moderate
Histiocyte, Multifocal, Moderate

Note: Hemorrhage is subpleural.

Note: Hyperplasia, alveolar epithelium is a type 2 cell.

[Hemorrhage TGLS = 1-3]

* Testes

Interstit Cell
Interstit Cell

Adenoma
Hyperplasia

Moderate

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05135-05
Test Type: SIX MONTH EXPOS.
Route: RESPIRATORY EXPOSURE WHOLE BODY
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Isoprene
CAS Number: 78-79-5

Date Report Requested: 10/16/2014
Time Report Requested: 02:39:35
First Dose M/F: NA / NA
Lab: BNW

ANIMAL ID: 239

TRT#: 2
DOSE: 70 PPM

SEX: Male
DISP: Terminal Sacrifice

DAY ON TEST: 368
HISTO: 19509

OBSERVATIONS

* Lung

Alveolar Epith
Perivascular
Alveolus

Hemorrhage
Hyperplasia
Hyperplasia
Infiltration Cellular

Multifocal, Minimal
Multifocal, Mild
Lymphoid, Multifocal, Moderate
Histiocyte, Multifocal, Moderate

Note: Hemorrhage is subpleural.

Note: Hyperplasia, alveolar epithelium is a type 2 cell.

[Hemorrhage TGLS = 1-3]

* Testes

Interstit Cell

Hyperplasia

Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05135-05
Test Type: SIX MONTH EXPOS.
Route: RESPIRATORY EXPOSURE WHOLE BODY
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Isoprene
CAS Number: 78-79-5

Date Report Requested: 10/16/2014
Time Report Requested: 02:39:35
First Dose M/F: NA / NA
Lab: BNW

ANIMAL ID: 240

TRT#: 2
DOSE: 70 PPM

SEX: Male
DISP: Terminal Sacrifice

DAY ON TEST: 368
HISTO: 19510

OBSERVATIONS

* Lung

Alveolar Epith
Perivascular
Alveolus

Hemorrhage
Hyperplasia
Hyperplasia
Infiltration Cellular

Multifocal, Minimal
Multifocal, Moderate
Lymphoid, Multifocal, Moderate
Histiocyte, Multifocal, Moderate

Note: Hyperplasia, alveolar epithelium is a type 2 cell.

Note: Hemorrhage is subpleural.

[Hemorrhage TGLS = 1-3]

* Testes

Interstit Cell

Hyperplasia

Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05135-05
Test Type: SIX MONTH EXPOS.
Route: RESPIRATORY EXPOSURE WHOLE BODY
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Isoprene
CAS Number: 78-79-5

Date Report Requested: 10/16/2014
Time Report Requested: 02:39:35
First Dose M/F: NA / NA
Lab: BNW

ANIMAL ID: 241	TRT#: 2 DOSE: 70 PPM	SEX: Male DISP: Terminal Sacrifice	DAY ON TEST: 368 HISTO: 19511
OBSERVATIONS			
* Lung Note: Hemorrhage is subpleural. [Hemorrhage TGLS = 1-3]	Perivascular	Hemorrhage Hyperplasia	Multifocal, Minimal Lymphoid, Multifocal, Minimal
* Testes	Interstit Cell	Hyperplasia	Marked
PRIMARY CAUSE OF DEATH			
-			

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05135-05
Test Type: SIX MONTH EXPOS.
Route: RESPIRATORY EXPOSURE WHOLE BODY
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Isoprene
CAS Number: 78-79-5

Date Report Requested: 10/16/2014
Time Report Requested: 02:39:35
First Dose M/F: NA / NA
Lab: BNW

ANIMAL ID: 242

TRT#: 2

SEX: Male

DAY ON TEST: 186

DOSE: 70 PPM

DISP: Scheduled Sacrifice

HISTO: 19512

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Blood Vessel	* Bone
* Bone Marrow	* 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	* Kidney	* Larynx	* Lymph Node, Bronchial
* Lymph Node, Mandibular	* Lymph Node, Mediastinal	* Lymph Node, Mesenteric	* Mammary Gland
* Nose	* Pancreas	* Parathyroid Gland	* Peripheral Nerve
* Pharynx	* Pituitary Gland	* Preputial Gland	* Prostate
* Salivary Glands	* Seminal Vesicle	* Skin	* Spinal Cord
* Spleen	* Stomach, Forestomach	* Stomach, Glandular	* Testes
* Thymus	* Thyroid Gland	* Trachea	* Urinary Bladder

OBSERVATIONS

* Blood Vessel
Note: Aorta is normal.

* Liver
[Hepatodiaphragmatic Nodule TGLS = 3-13]
Hepatodiaphragmatic Nodule

* Lung
Note: Hemorrhage is subpleural.
[Hemorrhage TGLS = 2-3]
Hemorrhage Mild

* Lym Node Bron
Note: Tracheobronchial lymph node is normal.

Lymph Node Pancreatic
Note: Red blood cells present in subcapsular and/or medullary sinuses.
[Congestion TGLS = 1-4]
Congestion

* Perph Nerve
Note: Sciatic nerve is normal.

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05135-05
Test Type: SIX MONTH EXPOS.
Route: RESPIRATORY EXPOSURE WHOLE BODY
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Isoprene
CAS Number: 78-79-5

Date Report Requested: 10/16/2014
Time Report Requested: 02:39:35
First Dose M/F: NA / NA
Lab: BNW

ANIMAL ID: 243

TRT#: 2
DOSE: 70 PPM

SEX: Male
DISP: Terminal Sacrifice

DAY ON TEST: 368
HISTO: 19513

OBSERVATIONS

* Lung

Note: Hemorrhage is subpleural.

[Hemorrhage TGLS = 1-3]

* Testes

Perivascular

Hemorrhage
Hyperplasia

Multifocal, Minimal
Lymphoid, Multifocal, Minimal

Interstit Cell

Hyperplasia

Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05135-05
Test Type: SIX MONTH EXPOS.
Route: RESPIRATORY EXPOSURE WHOLE BODY
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Isoprene
CAS Number: 78-79-5

Date Report Requested: 10/16/2014
Time Report Requested: 02:39:35
First Dose M/F: NA / NA
Lab: BNW

ANIMAL ID: 244

TRT#: 2
DOSE: 70 PPM

SEX: Male
DISP: Terminal Sacrifice

DAY ON TEST: 368
HISTO: 19514

OBSERVATIONS

* Lung

Alveolar Epith
Perivascular
Alveolus

Alveolar/Bronchiolar Adenoma
Hemorrhage
Hyperplasia
Hyperplasia
Infiltration Cellular

Multifocal, Minimal
Multifocal, Minimal
Lymphoid, Multifocal, Minimal
Histiocyte, Multifocal, Minimal

Note: Hemorrhage is subpleural.

Note: -B-Alveolar/Bronchiolar Adenoma

Note: Hyperplasia, alveolar epithelium is a type 2 cell.

[Alveolar/Bronchiolar Adenoma TGLS = 2-3]

[Hemorrhage TGLS = 1-3]

* Testes

Interstit Cell

Hyperplasia

Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05135-05
Test Type: SIX MONTH EXPOS.
Route: RESPIRATORY EXPOSURE WHOLE BODY
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Isoprene
CAS Number: 78-79-5

Date Report Requested: 10/16/2014
Time Report Requested: 02:39:35
First Dose M/F: NA / NA
Lab: BNW

ANIMAL ID: 245

TRT#: 2
DOSE: 70 PPM

SEX: Male
DISP: Terminal Sacrifice

DAY ON TEST: 368
HISTO: 19515

OBSERVATIONS

* Lung

Perivascular
Alveolus

Hemorrhage
Hyperplasia
Infiltration Cellular

Multifocal, Mild
Lymphoid, Multifocal, Minimal
Histiocyte, Multifocal, Minimal

Note: Hemorrhage is subpleural.

[Hemorrhage TGLS = 1-3]

* Testes

Interstit Cell

Hyperplasia

Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05135-05
Test Type: SIX MONTH EXPOS.
Route: RESPIRATORY EXPOSURE WHOLE BODY
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Isoprene
CAS Number: 78-79-5

Date Report Requested: 10/16/2014
Time Report Requested: 02:39:35
First Dose M/F: NA / NA
Lab: BNW

ANIMAL ID: 246	TRT#: 2	SEX: Male	DAY ON TEST: 368
	DOSE: 70 PPM	DISP: Terminal Sacrifice	HISTO: 19516

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Lymph Node, Mediastinal

OBSERVATIONS

* Lung		Hemorrhage	Multifocal, Minimal
	Alveolar Epith	Hyperplasia	Multifocal, Moderate
	Peribronchial	Hyperplasia	Lymphoid, Multifocal, Minimal
	Perivascular	Hyperplasia	Lymphoid, Multifocal, Moderate
	Alveolus	Infiltration Cellular	Histiocyte, Multifocal, Moderate

Note: Hyperplasia, Alveolar Epithelium is Type 2 Cell.

Note: Hemorrhage is subpleural.

[Hyperplasia TGLS = 2-3]

[Infiltration Cellular TGLS = 2-3]

* Lym Node Media

Note: There is no lymph node present in section 2.

Note: TGL 1 = NCL

Note: There is more Thymic tissue present than usual, suggesting that the gross observation might be related to Thymic tissue rather than the lymph node.

* Pituitary Gland

Adenoma

Note: -B-Adenoma

[Adenoma TGLS = 3-8]

* Testes	Interstit Cell	Hyperplasia	Minimal
----------	----------------	-------------	---------

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05135-05
Test Type: SIX MONTH EXPOS.
Route: RESPIRATORY EXPOSURE WHOLE BODY
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Isoprene
CAS Number: 78-79-5

Date Report Requested: 10/16/2014
Time Report Requested: 02:39:35
First Dose M/F: NA / NA
Lab: BNW

ANIMAL ID: 247

TRT#: 2
DOSE: 70 PPM

SEX: Male
DISP: Terminal Sacrifice

DAY ON TEST: 368
HISTO: 19517

OBSERVATIONS

* Lung

Alveolar Epith
Peribronchial
Perivascular
Alveolus

Hemorrhage
Hyperplasia
Hyperplasia
Hyperplasia
Infiltration Cellular

Multifocal, Minimal
Multifocal, Moderate
Lymphoid, Multifocal, Minimal
Lymphoid, Multifocal, Moderate
Histiocyte, Multifocal, Moderate

Note: Hyperplasia, alveolar epithelium is a type 2 cell.

Note: Hemorrhage is subpleural.

[Hemorrhage TGLS = 1-3]

* Testes

Interstit Cell

Hyperplasia

Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05135-05
Test Type: SIX MONTH EXPOS.
Route: RESPIRATORY EXPOSURE WHOLE BODY
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Isoprene
CAS Number: 78-79-5

Date Report Requested: 10/16/2014
Time Report Requested: 02:39:35
First Dose M/F: NA / NA
Lab: BNW

ANIMAL ID: 248

TRT#: 2
DOSE: 70 PPM

SEX: Male
DISP: Terminal Sacrifice

DAY ON TEST: 368
HISTO: 19518

OBSERVATIONS

* Lung

Note: Hemorrhage is subpleural.

* Testes

Perivascular

Interstitial Cell

Hemorrhage
Hyperplasia

Hyperplasia

Multifocal, Minimal
Lymphoid, Multifocal, Minimal

Marked

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05135-05
Test Type: SIX MONTH EXPOS.
Route: RESPIRATORY EXPOSURE WHOLE BODY
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Isoprene
CAS Number: 78-79-5

Date Report Requested: 10/16/2014
Time Report Requested: 02:39:35
First Dose M/F: NA / NA
Lab: BNW

ANIMAL ID: 249

TRT#: 2
DOSE: 70 PPM

SEX: Male
DISP: Terminal Sacrifice

DAY ON TEST: 368
HISTO: 19519

OBSERVATIONS

* Lung

Alveolar Epith
Perivascular
Alveolus

Hemorrhage
Hyperplasia
Hyperplasia
Infiltration Cellular

Multifocal, Minimal
Multifocal, Minimal
Lymphoid, Multifocal, Minimal
Histiocyte, Multifocal, Minimal

Note: Hyperplasia, alveolar epithelium is a type 2 cell.

Note: Hemorrhage is subpleural.

[Hemorrhage TGLS = 1-3]

* Testes

Interstit Cell

Hyperplasia

Moderate

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05135-05
Test Type: SIX MONTH EXPOS.
Route: RESPIRATORY EXPOSURE WHOLE BODY
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Isoprene
CAS Number: 78-79-5

Date Report Requested: 10/16/2014
Time Report Requested: 02:39:35
First Dose M/F: NA / NA
Lab: BNW

ANIMAL ID: 250

TRT#: 2

SEX: Male

DAY ON TEST: 368

DOSE: 70 PPM

DISP: Terminal Sacrifice

HISTO: 19520

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Urinary Bladder

OBSERVATIONS

* Liver
[Hepatodiaphragmatic Nodule TGLS = 1-13]

Hepatodiaphragmatic Nodule

* Lung
Alveolar Epith
Peribronchial
Perivascular
Alveolus

Hemorrhage
Hyperplasia
Hyperplasia
Hyperplasia
Infiltration Cellular

Multifocal, Mild
Multifocal, Minimal
Lymphoid, Multifocal, Minimal
Lymphoid, Multifocal, Moderate
Histiocyte, Multifocal, Minimal

Note: Hemorrhage is subpleural.

Note: Hyperplasia, alveolar epithelium is a type 2 cell.

[Hemorrhage TGLS = 2-3]

* Lymph Node, Mediastinal

Hyperplasia

Note: Hyperplasia is reactive.

[Hyperplasia TGLS = 3-2]

* Testes
Interstitial Cell

Hyperplasia

Minimal

* Urin Bladder

Note: TGL 4 = NCL

Note: No calculus is present in the section. The calculus observed grossly may have fallen out during tissue processing.

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05135-05
Test Type: SIX MONTH EXPOS.
Route: RESPIRATORY EXPOSURE WHOLE BODY
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Isoprene
CAS Number: 78-79-5

Date Report Requested: 10/16/2014
Time Report Requested: 02:39:35
First Dose M/F: NA / NA
Lab: BNW

ANIMAL ID: 411	TRT#: 3 DOSE: 220 PPM	SEX: Male DISP: Terminal Sacrifice	DAY ON TEST: 367 HISTO: 19421
OBSERVATIONS			
* Lung Note: Hemorrhage is subpleural.		Hemorrhage	Multifocal, Minimal
* Testes	Interstit Cell	Hyperplasia	Minimal
PRIMARY CAUSE OF DEATH	-		

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05135-05
Test Type: SIX MONTH EXPOS.
Route: RESPIRATORY EXPOSURE WHOLE BODY
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Isoprene
CAS Number: 78-79-5

Date Report Requested: 10/16/2014
Time Report Requested: 02:39:35
First Dose M/F: NA / NA
Lab: BNW

ANIMAL ID: 412

TRT#: 3

SEX: Male

DAY ON TEST: 367

DOSE: 220 PPM

DISP: Terminal Sacrifice

HISTO: 19422

OBSERVATIONS

* Lung

Alveolar Epith
Peribronchial
Perivascular
Alveolus

Fibrosis
Hemorrhage
Hyperplasia
Hyperplasia
Hyperplasia
Infiltration Cellular

Multifocal, Minimal
Multifocal, Minimal
Multifocal, Mild
Lymphoid, Multifocal, Minimal
Lymphoid, Multifocal, Mild
Histiocyte, Multifocal, Mild

Note: Hyperplasia, Alveolar Epithelium = Type 2 Cell.

Note: Fibrosis is located in the alveolar septum.

Note: Hemorrhage is subpleural.

* Testes

Interstit Cell
Interstit Cell

Adenoma
Hyperplasia

Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05135-05
Test Type: SIX MONTH EXPOS.
Route: RESPIRATORY EXPOSURE WHOLE BODY
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Isoprene
CAS Number: 78-79-5

Date Report Requested: 10/16/2014
Time Report Requested: 02:39:35
First Dose M/F: NA / NA
Lab: BNW

ANIMAL ID: 413

TRT#: 3

SEX: Male

DAY ON TEST: 367

DOSE: 220 PPM

DISP: Terminal Sacrifice

HISTO: 19423

OBSERVATIONS

* Adrenal Medulla

Note: -B-Ganglioneuroma

[Ganglioneuroma TGLS = 2-5]

Ganglioneuroma

* Kidney

Note: TGL 1 = NCL

Bilateral

Nephropathy

Chronic, Minimal

* Lung

Perivascular

Hemorrhage

Multifocal, Minimal

Alveolus

Hyperplasia

Lymphoid, Multifocal, Minimal

Infiltration Cellular

Histiocyte, Multifocal, Minimal

Note: Hemorrhage is subpleural.

* Testes

Interstitial Cell

Hyperplasia

Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05135-05

Test Type: SIX MONTH EXPOS.

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Isoprene

CAS Number: 78-79-5

Date Report Requested: 10/16/2014

Time Report Requested: 02:39:35

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 414

TRT#: 3

SEX: Male

DAY ON TEST: 186

DOSE: 220 PPM

DISP: Scheduled Sacrifice

HISTO: 19424

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Blood Vessel	* Bone
* Bone Marrow	* 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	* Kidney	* Larynx	* Liver
* Lymph Node, Bronchial	* Lymph Node, Mandibular	* Lymph Node, Mediastinal	* Lymph Node, Mesenteric
* Mammary Gland	* Nose	* Pancreas	* Parathyroid Gland
* Peripheral Nerve	* Pharynx	* Pituitary Gland	* Preputial Gland
* Prostate	* Salivary Glands	* Seminal Vesicle	* Skin
* Spinal Cord	* Spleen	* Stomach, Forestomach	* Stomach, Glandular
* Testes	* Thymus	* Thyroid Gland	* Trachea
* Urinary Bladder			

OBSERVATIONS

* Blood Vessel Note: Aorta is normal.			
* Lung Note: Hemorrhage is subpleural. [Hemorrhage TGLS = 1-3]	Hemorrhage		Mild
* Lym Node Bron Note: Tracheobronchial lymph node is normal.			
* Perph Nerve Note: Sciatic nerve is normal.			

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05135-05
Test Type: SIX MONTH EXPOS.
Route: RESPIRATORY EXPOSURE WHOLE BODY
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Isoprene
CAS Number: 78-79-5

Date Report Requested: 10/16/2014
Time Report Requested: 02:39:35
First Dose M/F: NA / NA
Lab: BNW

ANIMAL ID: 415	TRT#: 3	SEX: Male	DAY ON TEST: 367
	DOSE: 220 PPM	DISP: Terminal Sacrifice	HISTO: 19425

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Bone

OBSERVATIONS

* Bone

Note: (Skull) TGL 2 = NCL.

* Lung

Alveolar Epith
Perivascular
Alveolus

Hemorrhage
Hyperplasia
Hyperplasia
Infiltration Cellular

Multifocal, Minimal
Multifocal, Minimal
Lymphoid, Multifocal, Minimal
Histiocyte, Multifocal, Minimal

Note: Hyperplasia, alveolar epithelium is a type 2 cell.

Note: Hemorrhage is subpleural.

[Hemorrhage TGLS = 1-3]

* Testes

Interstit Cell

Hyperplasia

Mild

* Urinary Bladder

[Calculus Micro Observation Only TGLS = 3-8]

Calculus Micro Observation Only

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05135-05
Test Type: SIX MONTH EXPOS.
Route: RESPIRATORY EXPOSURE WHOLE BODY
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Isoprene
CAS Number: 78-79-5

Date Report Requested: 10/16/2014
Time Report Requested: 02:39:35
First Dose M/F: NA / NA
Lab: BNW

ANIMAL ID: 416

TRT#: 3
DOSE: 220 PPM

SEX: Male
DISP: Terminal Sacrifice

DAY ON TEST: 367
HISTO: 19426

OBSERVATIONS

* Lung

Alveolar Epith
Peribronchial
Perivascular
Alveolus

Hemorrhage
Hyperplasia
Hyperplasia
Hyperplasia
Infiltration Cellular

Multifocal, Minimal
Multifocal, Mild
Lymphoid, Multifocal, Mild
Lymphoid, Multifocal, Moderate
Histiocyte, Multifocal, Mild

Note: Hyperplasia, alveolar epithelium is a type 2 cell.

Note: Hemorrhage is subpleural.

[Hemorrhage TGLS = 1-3]

* Testes

Interstit Cell

Hyperplasia

Moderate

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05135-05
Test Type: SIX MONTH EXPOS.
Route: RESPIRATORY EXPOSURE WHOLE BODY
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Isoprene
CAS Number: 78-79-5

Date Report Requested: 10/16/2014
Time Report Requested: 02:39:35
First Dose M/F: NA / NA
Lab: BNW

ANIMAL ID: 417	TRT#: 3 DOSE: 220 PPM	SEX: Male DISP: Terminal Sacrifice	DAY ON TEST: 367 HISTO: 19427
OBSERVATIONS			
* Liver [Fatty Change TGLS = 1-13]		Fatty Change	Minimal
* Lung Note: Hemorrhage is subpleural. [Hemorrhage TGLS = 2-3]	Alveolus	Hemorrhage Infiltration Cellular	Multifocal, Minimal Histiocyte, Focal, Minimal
* Testes	Interstit Cell	Hyperplasia	Mild
<hr/> PRIMARY CAUSE OF DEATH - <hr/>			

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05135-05

Test Type: SIX MONTH EXPOS.

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Isoprene

CAS Number: 78-79-5

Date Report Requested: 10/16/2014

Time Report Requested: 02:39:35

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 418

TRT#: 3

SEX: Male

DAY ON TEST: 186

DOSE: 220 PPM

DISP: Scheduled Sacrifice

HISTO: 19428

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Blood Vessel	* Bone
* Bone Marrow	* 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	* Kidney	* Larynx	* Liver
* Lymph Node, Bronchial	* Lymph Node, Mandibular	* Lymph Node, Mediastinal	* Lymph Node, Mesenteric
* Mammary Gland	* Nose	* Pancreas	* Parathyroid Gland
* Peripheral Nerve	* Pharynx	* Pituitary Gland	* Preputial Gland
* Prostate	* Salivary Glands	* Seminal Vesicle	* Skin
* Spinal Cord	* Spleen	* Stomach, Forestomach	* Stomach, Glandular
* Testes	* Thymus	* Thyroid Gland	* Trachea
* Urinary Bladder			

OBSERVATIONS

* Blood Vessel			
Note: Aorta is normal.			
* Lung	Perivascular	Hemorrhage Hyperplasia	Mild Lymphoid, Multifocal, Minimal
Note: Hemorrhage is subpleural. [Hemorrhage TGLS = 1-3]			
* Lym Node Bron			
Note: Tracheobronchial lymph node is normal.			
* Perph Nerve			
Note: Sciatic nerve is normal.			

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05135-05

Test Type: SIX MONTH EXPOS.

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Isoprene

CAS Number: 78-79-5

Date Report Requested: 10/16/2014

Time Report Requested: 02:39:35

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 419

TRT#: 3

SEX: Male

DAY ON TEST: 186

DOSE: 220 PPM

DISP: Scheduled Sacrifice

HISTO: 19429

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- * Adrenal Cortex
- * Bone Marrow
- * Eye
- * Intestine Large, Rectum
- * Islets, Pancreatic
- * Lymph Node, Bronchial
- * Mammary Gland
- * Peripheral Nerve
- * Prostate
- * Spinal Cord
- * Testes
- * Urinary Bladder

- * Adrenal Medulla
- * Brain
- * Heart
- * Intestine Small, Duodenum
- * Kidney
- * Lymph Node, Mandibular
- * Nose
- * Pharynx
- * Salivary Glands
- * Spleen
- * Thymus

- * Blood Vessel
- * Epididymis
- * Intestine Large, Cecum
- * Intestine Small, Ileum
- * Larynx
- * Lymph Node, Mediastinal
- * Pancreas
- * Pituitary Gland
- * Seminal Vesicle
- * Stomach, Forestomach
- * Thyroid Gland

- * Bone
- * Esophagus
- * Intestine Large, Colon
- * Intestine Small, Jejunum
- * Liver
- * Lymph Node, Mesenteric
- * Parathyroid Gland
- * Preputial Gland
- * Skin
- * Stomach, Glandular
- * Trachea

OBSERVATIONS

* Blood Vessel
Note: Aorta is normal.

* Lung
Note: Hemorrhage is subpleural.
[Hemorrhage TGLS = 1-3]

Hemorrhage

Mild

* Lym Node Bron
Note: Tracheobronchial lymph node is normal.

* Perph Nerve
Note: Sciatic nerve is normal.

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05135-05
Test Type: SIX MONTH EXPOS.
Route: RESPIRATORY EXPOSURE WHOLE BODY
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Isoprene
CAS Number: 78-79-5

Date Report Requested: 10/16/2014
Time Report Requested: 02:39:35
First Dose M/F: NA / NA
Lab: BNW

ANIMAL ID: 420

TRT#: 3
DOSE: 220 PPM

SEX: Male
DISP: Terminal Sacrifice

DAY ON TEST: 367
HISTO: 19430

OBSERVATIONS

* Lung

Alveolar Epith
Peribronchial
Perivascular
Alveolus

Hemorrhage
Hyperplasia
Hyperplasia
Hyperplasia
Infiltration Cellular

Multifocal, Minimal
Multifocal, Mild
Lymphoid, Multifocal, Mild
Lymphoid, Multifocal, Mild
Histiocyte, Multifocal, Mild

Note: Hemorrhage is subpleural.

Note: Hyperplasia, Alveolar Epithelium = Type 2 Cell.

* Testes

Interstit Cell

Hyperplasia

Marked

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05135-05
Test Type: SIX MONTH EXPOS.
Route: RESPIRATORY EXPOSURE WHOLE BODY
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Isoprene
CAS Number: 78-79-5

Date Report Requested: 10/16/2014
Time Report Requested: 02:39:35
First Dose M/F: NA / NA
Lab: BNW

ANIMAL ID: 421

TRT#: 3
DOSE: 220 PPM

SEX: Male
DISP: Terminal Sacrifice

DAY ON TEST: 367
HISTO: 19431

OBSERVATIONS

* Lung

Alveolar Epith
Peribronchial
Perivascular
Alveolus

Hemorrhage
Hyperplasia
Hyperplasia
Hyperplasia
Infiltration Cellular

Multifocal, Minimal
Multifocal, Mild
Lymphoid, Multifocal, Mild
Lymphoid, Multifocal, Mild
Histiocyte, Multifocal, Mild

Note: Hemorrhage is subpleural.

Note: Hyperplasia, Alveolar Epithelium = Type 2 Cell.

* Lymph Node, Mandibular

Note: Hyperplasia is reactive.

[Hyperplasia TGLS = 2-7]

Hyperplasia

* Testes

Interstit Cell
Interstit Cell

Adenoma
Hyperplasia

Mild

Note: -B-Adenoma

[Adenoma TGLS = 1-7]

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05135-05
Test Type: SIX MONTH EXPOS.
Route: RESPIRATORY EXPOSURE WHOLE BODY
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Isoprene
CAS Number: 78-79-5

Date Report Requested: 10/16/2014
Time Report Requested: 02:39:35
First Dose M/F: NA / NA
Lab: BNW

ANIMAL ID: 422

TRT#: 3

SEX: Male

DAY ON TEST: 186

DOSE: 220 PPM

DISP: Scheduled Sacrifice

HISTO: 19432

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Blood Vessel	* Bone
* Bone Marrow	* 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	* Kidney	* Larynx	* Liver
* Lymph Node, Bronchial	* Lymph Node, Mandibular	* Lymph Node, Mediastinal	* Lymph Node, Mesenteric
* Mammary Gland	* Nose	* Pancreas	* Parathyroid Gland
* Peripheral Nerve	* Pharynx	* Pituitary Gland	* Preputial Gland
* Prostate	* Salivary Glands	* Seminal Vesicle	* Skin
* Spinal Cord	* Spleen	* Stomach, Forestomach	* Stomach, Glandular
* Thymus	* Thyroid Gland	* Trachea	* Urinary Bladder

OBSERVATIONS

* Blood Vessel			
Note: Aorta is normal.			
* Lung		Hemorrhage	Mild
	Alveolus	Infiltration Cellular	Histiocyte, Minimal
Note: Hemorrhage is subpleural.			
[Hemorrhage TGLS = 1-3]			
* Lym Node Bron			
Note: Tracheobronchial lymph node is normal.			
* Perph Nerve			
Note: Sciatic nerve is normal.			
* Testes	Interstit Cell	Hyperplasia	Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05135-05
Test Type: SIX MONTH EXPOS.
Route: RESPIRATORY EXPOSURE WHOLE BODY
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Isoprene
CAS Number: 78-79-5

Date Report Requested: 10/16/2014
Time Report Requested: 02:39:35
First Dose M/F: NA / NA
Lab: BNW

ANIMAL ID: 423

TRT#: 3

SEX: Male

DAY ON TEST: 186

DOSE: 220 PPM

DISP: Scheduled Sacrifice

HISTO: 19433

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Blood Vessel	* Bone
* Bone Marrow	* 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	* Kidney	* Larynx	* Liver
* Lymph Node, Bronchial	* Lymph Node, Mandibular	* Lymph Node, Mediastinal	* Lymph Node, Mesenteric
* Mammary Gland	Mesentery	* Nose	* Pancreas
* Parathyroid Gland	* Peripheral Nerve	* Pharynx	* Pituitary Gland
* Preputial Gland	* Prostate	* Salivary Glands	* Seminal Vesicle
* Spinal Cord	* Spleen	* Stomach, Forestomach	* Stomach, Glandular
* Testes	* Thymus	* Thyroid Gland	* Trachea
* Urinary Bladder			

OBSERVATIONS

* Blood Vessel Note: Aorta is normal.			
* Lung Note: Hemorrhage is subpleural. [Hemorrhage TGLS = 3-3]	Perivascular	Hemorrhage Hyperplasia	Mild Lymphoid, Multifocal, Minimal
* Lym Node Bron Note: Tracheobronchial lymph node is normal. Mesentery Note: TGL 2 = NCL			
* Perph Nerve Note: Sciatic nerve is normal.			
* Skin [Hemorrhage TGLS = 1-13]	Subcut Tiss	Hemorrhage	
* Spleen Note: TGL 2 = NCL			

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05135-05
Test Type: SIX MONTH EXPOS.
Route: RESPIRATORY EXPOSURE WHOLE BODY
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Isoprene
CAS Number: 78-79-5

Date Report Requested: 10/16/2014
Time Report Requested: 02:39:35
First Dose M/F: NA / NA
Lab: BNW

ANIMAL ID: 424

TRT#: 3

SEX: Male

DAY ON TEST: 367

DOSE: 220 PPM

DISP: Terminal Sacrifice

HISTO: 19434

OBSERVATIONS

* Liver
[Hepatodiaphragmatic Nodule TGLS = 2-4]
Hepatodiaphragmatic Nodule

* Lung
Note: Hemorrhage is subpleural.
Hemorrhage
Multifocal, Minimal

* Pituitary Gland
Note: -B-Adenoma
[Adenoma TGLS = 1-8]
Adenoma

* Testes
Interstitial Cell
Hyperplasia
Minimal

* Urinary Bladder
[Calculus Micro Observation Only TGLS = 3-8]
Calculus Micro Observation Only

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05135-05
Test Type: SIX MONTH EXPOS.
Route: RESPIRATORY EXPOSURE WHOLE BODY
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Isoprene
CAS Number: 78-79-5

Date Report Requested: 10/16/2014
Time Report Requested: 02:39:35
First Dose M/F: NA / NA
Lab: BNW

ANIMAL ID: 425

TRT#: 3

SEX: Male

DAY ON TEST: 163

DOSE: 220 PPM

DISP: Natural Death

HISTO: 19435

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Blood Vessel	* Brain
* Epididymis	* Esophagus	* Eye	* Heart
* Islets, Pancreatic	* Kidney	* Liver	* Lymph Node, Bronchial
* Lymph Node, Mandibular	* Lymph Node, Mediastinal	* Lymph Node, Mesenteric	* Pancreas
* Pharynx	* Pituitary Gland	* Prostate	* Salivary Glands
* Seminal Vesicle	Skeletal Muscle	* Spleen	* Testes
* Thymus			

MISSING

* Bone	* Bone Marrow	* Mammary Gland	* Parathyroid Gland
* Peripheral Nerve	* Preputial Gland	* Skin	* Spinal Cord

AUTO PRECLUDES DIAG.

* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Larynx	* Stomach, Forestomach
* Stomach, Glandular	* Thyroid Gland	* Trachea	* Urinary Bladder

OBSERVATIONS

* Blood Vessel Note: Aorta is normal.			
* Bone Note: Femur is missing.			
* Esophagus Note: TGL 7 = NCL			
* Int Sm Duoden Note: Autolysis TGL 1-6			
* Int Sm Ileum Note: Autolysis TGL 1-6			
* Int Sm Jejunum Note: Autolysis TGL 1-6			
* Lung Note: Congestion is located in the alveolus septum. [Congestion TGLS = 4-3]		Congestion	Mild

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05135-05
Test Type: SIX MONTH EXPOS.
Route: RESPIRATORY EXPOSURE WHOLE BODY
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Isoprene
CAS Number: 78-79-5

Date Report Requested: 10/16/2014
Time Report Requested: 02:39:35
First Dose M/F: NA / NA
Lab: BNW

ANIMAL ID: 425

TRT#: 3

SEX: Male

DAY ON TEST: 163

DOSE: 220 PPM

DISP: Natural Death

HISTO: 19435

ORGAN AND ACCOUNTABLE SITE STATUS

* Lym Node Bron

Note: Tracheobronchial lymph node is normal.

Mesentery

Note: Post-mortem hypostatic congestion.

[Congestion TGLS = 5-6]

Congestion

* Nose

Turbinate

Hemorrhage

Note: No corresponding lesion to TGL 6.

Note: Marked Hemorrhage in nasal cavity at both levels I and II suggest that this animal may have had a traumatic lesion in this area.

* Perph Nerve

Note: Sciatic nerve is missing.

Skel Muscle

Note: TGL 2 = NCL

* Skin

Note: Skin section for TGL 3 was missing.

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05135-05
Test Type: SIX MONTH EXPOS.
Route: RESPIRATORY EXPOSURE WHOLE BODY
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Isoprene
CAS Number: 78-79-5

Date Report Requested: 10/16/2014
Time Report Requested: 02:39:35
First Dose M/F: NA / NA
Lab: BNW

ANIMAL ID: 426	TRT#: 3 DOSE: 220 PPM	SEX: Male DISP: Terminal Sacrifice	DAY ON TEST: 367 HISTO: 19436
-----------------------	--	---	--

OBSERVATIONS

* Liver Note: Several small necrotic foci are present in area of fatty change. [Fatty Change TGLS = 1-14]		Fatty Change	Minimal
* Lung Note: Hemorrhage is subpleural. [Hemorrhage TGLS = 2-3]	Perivascular Alveolus	Hemorrhage Hyperplasia Infiltration Cellular	Multifocal, Minimal Lymphoid, Multifocal, Minimal Histiocyte, Multifocal, Minimal
* Pituitary Gland Note: -B-Adenoma [Adenoma TGLS = 4-8]		Adenoma	
* Spleen Note: Developmental Anomaly (Ectopic spleen tissue) [Accessory Spleen TGLS = 3-13]		Accessory Spleen	
* Testes	Interstit Cell	Hyperplasia	Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05135-05
Test Type: SIX MONTH EXPOS.
Route: RESPIRATORY EXPOSURE WHOLE BODY
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Isoprene
CAS Number: 78-79-5

Date Report Requested: 10/16/2014
Time Report Requested: 02:39:35
First Dose M/F: NA / NA
Lab: BNW

ANIMAL ID: 427

TRT#: 3

SEX: Male

DAY ON TEST: 367

DOSE: 220 PPM

DISP: Terminal Sacrifice

HISTO: 19437

OBSERVATIONS

* Liver [Hepatodiaphragmatic Nodule TGLS = 1-13]
Hepatodiaphragmatic Nodule

* Lung
Alveolar Epith Hyperplasia Multifocal, Minimal
Peribronchial Hyperplasia Lymphoid, Multifocal, Minimal
Perivascular Hyperplasia Lymphoid, Multifocal, Mild
Alveolus Infiltration Cellular Histiocyte, Multifocal, Mild

Note: Hyperplasia, Alveolar Epithelium = Type 2 Cell.

* Testes Interstit Cell Hyperplasia Moderate

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05135-05
Test Type: SIX MONTH EXPOS.
Route: RESPIRATORY EXPOSURE WHOLE BODY
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Isoprene
CAS Number: 78-79-5

Date Report Requested: 10/16/2014
Time Report Requested: 02:39:35
First Dose M/F: NA / NA
Lab: BNW

ANIMAL ID: 428

TRT#: 3

SEX: Male

DAY ON TEST: 186

DOSE: 220 PPM

DISP: Scheduled Sacrifice

HISTO: 19438

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Blood Vessel	* Bone
* Bone Marrow	* 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	* Kidney	* Larynx	* Liver
* Lymph Node, Bronchial	* Lymph Node, Mandibular	* Lymph Node, Mediastinal	* Lymph Node, Mesenteric
* Mammary Gland	* Nose	* Pancreas	* Parathyroid Gland
* Peripheral Nerve	* Pharynx	* Pituitary Gland	* Preputial Gland
* Prostate	* Salivary Glands	* Seminal Vesicle	* Skin
* Spinal Cord	* Spleen	* Stomach, Forestomach	* Stomach, Glandular
* Testes	* Thymus	* Thyroid Gland	* Trachea
* Urinary Bladder			

OBSERVATIONS

* Blood Vessel Note: Aorta is normal.			
* Lung Note: Hemorrhage is subpleural. [Hemorrhage TGLS = 1-3]	Hemorrhage		Moderate
* Lym Node Bron Note: Tracheobronchial lymph node is normal.			
* Perph Nerve Note: Sciatic nerve is normal.			

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05135-05
Test Type: SIX MONTH EXPOS.
Route: RESPIRATORY EXPOSURE WHOLE BODY
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Isoprene
CAS Number: 78-79-5

Date Report Requested: 10/16/2014
Time Report Requested: 02:39:35
First Dose M/F: NA / NA
Lab: BNW

ANIMAL ID: 429

TRT#: 3
DOSE: 220 PPM

SEX: Male
DISP: Terminal Sacrifice

DAY ON TEST: 367
HISTO: 19439

OBSERVATIONS

* Lung

Alveolar Epith
Perivascular
Alveolus

Hemorrhage
Hyperplasia
Hyperplasia
Infiltration Cellular

Multifocal, Minimal
Multifocal, Minimal
Lymphoid, Multifocal, Minimal
Histiocyte, Multifocal, Minimal

Note: Hyperplasia, alveolar epithelium is a type 2 cell.

Note: Hemorrhage is subpleural.

[Hemorrhage TGLS = 1-3]

* Testes

Interstit Cell

Hyperplasia

Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05135-05

Test Type: SIX MONTH EXPOS.

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Isoprene

CAS Number: 78-79-5

Date Report Requested: 10/16/2014

Time Report Requested: 02:39:35

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 430

TRT#: 3

DOSE: 220 PPM

SEX: Male

DISP: Scheduled Sacrifice

DAY ON TEST: 186

HISTO: 19440

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- * Adrenal Cortex
- * Bone Marrow
- * Eye
- * Intestine Large, Rectum
- * Islets, Pancreatic
- * Lymph Node, Bronchial
- * Mammary Gland
- * Peripheral Nerve
- * Prostate
- * Spinal Cord
- * Testes
- * Urinary Bladder

- * Adrenal Medulla
- * Brain
- * Heart
- * Intestine Small, Duodenum
- * Kidney
- * Lymph Node, Mandibular
- * Nose
- * Pharynx
- * Salivary Glands
- * Spleen
- * Thymus

- * Blood Vessel
- * Epididymis
- * Intestine Large, Cecum
- * Intestine Small, Ileum
- * Larynx
- * Lymph Node, Mediastinal
- * Pancreas
- * Pituitary Gland
- * Seminal Vesicle
- * Stomach, Forestomach
- * Thyroid Gland

- * Bone
- * Esophagus
- * Intestine Large, Colon
- * Intestine Small, Jejunum
- * Liver
- * Lymph Node, Mesenteric
- * Parathyroid Gland
- * Preputial Gland
- * Skin
- * Stomach, Glandular
- * Trachea

OBSERVATIONS

* Blood Vessel
Note: Aorta is normal.

* Lung
Note: Hemorrhage is subpleural.
[Hemorrhage TGLS = 1-3]

* Lym Node Bron
Note: Tracheobronchial lymph node is normal.

* Perph Nerve
Note: Sciatic nerve is normal.

Hemorrhage

Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05135-05
Test Type: SIX MONTH EXPOS.
Route: RESPIRATORY EXPOSURE WHOLE BODY
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Isoprene
CAS Number: 78-79-5

Date Report Requested: 10/16/2014
Time Report Requested: 02:39:35
First Dose M/F: NA / NA
Lab: BNW

ANIMAL ID: 431

TRT#: 3

SEX: Male

DAY ON TEST: 367

DOSE: 220 PPM

DISP: Terminal Sacrifice

HISTO: 19441

OBSERVATIONS

* Liver
[Hepatodiaphragmatic Nodule TGLS = 1,3-13+14]

Hepatodiaphragmatic Nodule

* Lung
Peribronchial
Perivascular
Alveolus

Hemorrhage
Hyperplasia
Hyperplasia
Infiltration Cellular

Multifocal, Minimal
Lymphoid, Focal, Minimal
Lymphoid, Multifocal, Minimal
Histiocyte, Multifocal, Minimal

Note: Hemorrhage is subpleural.
[Hemorrhage TGLS = 2-3]

* Testes
Interstitial Cell

Hyperplasia

Moderate

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05135-05
Test Type: SIX MONTH EXPOS.
Route: RESPIRATORY EXPOSURE WHOLE BODY
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Isoprene
CAS Number: 78-79-5

Date Report Requested: 10/16/2014
Time Report Requested: 02:39:35
First Dose M/F: NA / NA
Lab: BNW

ANIMAL ID: 432

TRT#: 3

SEX: Male

DAY ON TEST: 367

DOSE: 220 PPM

DISP: Terminal Sacrifice

HISTO: 19442

OBSERVATIONS

* Liver
[Fatty Change TGLS = 1-13]

Fatty Change

Multifocal, Mild

* Lung

Alveolar Epith
Peribronchial
Perivascular
Alveolus

Hemorrhage
Hyperplasia
Hyperplasia
Hyperplasia
Infiltration Cellular

Multifocal, Minimal
Multifocal, Mild
Lymphoid, Multifocal, Mild
Lymphoid, Multifocal, Moderate
Histiocyte, Multifocal, Mild

Note: Hemorrhage is subpleural.

Note: Hyperplasia, alveolar epithelium is a type 2 cell.

[Hemorrhage TGLS = 2-3]

* Testes

Interstit Cell

Hyperplasia

Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05135-05

Test Type: SIX MONTH EXPOS.

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Isoprene

CAS Number: 78-79-5

Date Report Requested: 10/16/2014

Time Report Requested: 02:39:35

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 433

TRT#: 3

SEX: Male

DAY ON TEST: 186

DOSE: 220 PPM

DISP: Scheduled Sacrifice

HISTO: 19443

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Blood Vessel	* Bone
* Bone Marrow	* 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	* Kidney	* Larynx	* Liver
* Lymph Node, Bronchial	* Lymph Node, Mandibular	* Lymph Node, Mediastinal	* Lymph Node, Mesenteric
* Mammary Gland	* Nose	* Pancreas	* Parathyroid Gland
* Peripheral Nerve	* Pharynx	* Pituitary Gland	* Preputial Gland
* Prostate	* Salivary Glands	* Seminal Vesicle	* Skin
* Spinal Cord	* Spleen	* Stomach, Forestomach	* Stomach, Glandular
* Thymus	* Thyroid Gland	* Trachea	* Urinary Bladder

OBSERVATIONS

* Blood Vessel			
Note: Aorta is normal.			
* Lung		Hemorrhage	Mild
Note: Hemorrhage is subpleural.			
[Hemorrhage TGLS = 1-3]			
* Lym Node Bron			
Note: Tracheobronchial lymph node is normal.			
* Perph Nerve			
Note: Sciatic nerve is normal.			
* Testes	Interstit Cell	Hyperplasia	Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05135-05
Test Type: SIX MONTH EXPOS.
Route: RESPIRATORY EXPOSURE WHOLE BODY
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Isoprene
CAS Number: 78-79-5

Date Report Requested: 10/16/2014
Time Report Requested: 02:39:35
First Dose M/F: NA / NA
Lab: BNW

ANIMAL ID: 434

TRT#: 3
DOSE: 220 PPM

SEX: Male
DISP: Terminal Sacrifice

DAY ON TEST: 367
HISTO: 19444

OBSERVATIONS

* Lung

Alveolar Epith
Peribronchial
Perivascular
Alveolus

Hemorrhage
Hyperplasia
Hyperplasia
Hyperplasia
Infiltration Cellular

Multifocal, Minimal
Multifocal, Mild
Lymphoid, Multifocal, Minimal
Lymphoid, Multifocal, Moderate
Histiocyte, Multifocal, Mild

Note: Hyperplasia, alveolar epithelium is a type 2 cell.

Note: Hemorrhage is subpleural.

[Hemorrhage TGLS = 1-3]

* Testes

Interstit Cell

Hyperplasia

Marked

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05135-05
Test Type: SIX MONTH EXPOS.
Route: RESPIRATORY EXPOSURE WHOLE BODY
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Isoprene
CAS Number: 78-79-5

Date Report Requested: 10/16/2014
Time Report Requested: 02:39:35
First Dose M/F: NA / NA
Lab: BNW

ANIMAL ID: 435

TRT#: 3

SEX: Male

DAY ON TEST: 367

DOSE: 220 PPM

DISP: Terminal Sacrifice

HISTO: 19445

OBSERVATIONS

* Lung

Perivascular

Hemorrhage

Multifocal, Minimal

Hyperplasia

Lymphoid, Multifocal, Minimal

Note: Hemorrhage is subpleural.

[Hemorrhage TGLS = 4-3]

* Skin

Sarcoma

Note: -M-Sarcoma, NOS

[Sarcoma TGLS = 1-13+14]

* Testes

Degeneration

Marked

Granuloma

Inflammation

Marked

Note: Small sperm granuloma of left testis and marked degeneration of spermatogenic cells in all tubules. Severe pyogranulomatous inflammation in right testis.

[Degeneration TGLS = 3-7]

[Granuloma TGLS = 3-7]

[Inflammation TGLS = 2-7]

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05135-05
Test Type: SIX MONTH EXPOS.
Route: RESPIRATORY EXPOSURE WHOLE BODY
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Isoprene
CAS Number: 78-79-5

Date Report Requested: 10/16/2014
Time Report Requested: 02:39:35
First Dose M/F: NA / NA
Lab: BNW

ANIMAL ID: 436

TRT#: 3
DOSE: 220 PPM

SEX: Male
DISP: Terminal Sacrifice

DAY ON TEST: 367
HISTO: 19446

OBSERVATIONS

* Lung

Perivascular

Hemorrhage
Hyperplasia

Multifocal, Minimal
Lymphoid, Multifocal, Minimal

Note: Hemorrhage is subpleural.

* Testes

Interstitial Cell

Hyperplasia

Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05135-05
Test Type: SIX MONTH EXPOS.
Route: RESPIRATORY EXPOSURE WHOLE BODY
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Isoprene
CAS Number: 78-79-5

Date Report Requested: 10/16/2014
Time Report Requested: 02:39:35
First Dose M/F: NA / NA
Lab: BNW

ANIMAL ID: 437

TRT#: 3
DOSE: 220 PPM

SEX: Male
DISP: Terminal Sacrifice

DAY ON TEST: 367
HISTO: 19447

OBSERVATIONS

* Lung

Alveolar Epith
Perivascular
Alveolus

Hemorrhage
Hyperplasia
Hyperplasia
Infiltration Cellular

Multifocal, Minimal
Multifocal, Minimal
Lymphoid, Multifocal, Minimal
Histiocyte, Multifocal, Minimal

Note: Hemorrhage is subpleural.

Note: Hyperplasia, alveolar epithelium is a type 2 cell.

[Hemorrhage TGLS = 1-3]

* Testes

Interstit Cell

Hyperplasia

Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05135-05
Test Type: SIX MONTH EXPOS.
Route: RESPIRATORY EXPOSURE WHOLE BODY
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Isoprene
CAS Number: 78-79-5

Date Report Requested: 10/16/2014
Time Report Requested: 02:39:35
First Dose M/F: NA / NA
Lab: BNW

ANIMAL ID: 438

TRT#: 3
DOSE: 220 PPM

SEX: Male
DISP: Terminal Sacrifice

DAY ON TEST: 367
HISTO: 19448

OBSERVATIONS

* Lung

Perivascular

Hemorrhage
Hyperplasia

Multifocal, Minimal
Lymphoid, Multifocal, Minimal

Note: Hemorrhage is subpleural.

[Hemorrhage TGLS = 1-3]

* Testes

Interstit Cell

Hyperplasia

Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05135-05
Test Type: SIX MONTH EXPOS.
Route: RESPIRATORY EXPOSURE WHOLE BODY
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Isoprene
CAS Number: 78-79-5

Date Report Requested: 10/16/2014
Time Report Requested: 02:39:35
First Dose M/F: NA / NA
Lab: BNW

ANIMAL ID: 439

TRT#: 3

SEX: Male

DAY ON TEST: 186

DOSE: 220 PPM

DISP: Scheduled Sacrifice

HISTO: 19449

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Blood Vessel	* Bone
* Bone Marrow	* 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	* Kidney	* Larynx	* Lymph Node, Bronchial
* Lymph Node, Mandibular	* Lymph Node, Mediastinal	* Lymph Node, Mesenteric	* Mammary Gland
* Nose	* Pancreas	* Parathyroid Gland	* Peripheral Nerve
* Pharynx	* Pituitary Gland	* Preputial Gland	* Prostate
* Salivary Glands	* Seminal Vesicle	* Skin	* Spinal Cord
* Spleen	* Stomach, Forestomach	* Stomach, Glandular	* Testes
* Thymus	* Thyroid Gland	* Trachea	* Urinary Bladder

OBSERVATIONS

* Blood Vessel
Note: Aorta is normal.

* Liver
[Hepatodiaphragmatic Nodule TGLS = 1-13]
Hepatodiaphragmatic Nodule

* Lung
Note: Hemorrhage is subpleural.
[Hemorrhage TGLS = 2-3]
Hemorrhage Mild

* Lym Node Bron
Note: Tracheobronchial lymph node is normal.

* Perph Nerve
Note: Sciatic nerve is normal.

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05135-05
Test Type: SIX MONTH EXPOS.
Route: RESPIRATORY EXPOSURE WHOLE BODY
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Isoprene
CAS Number: 78-79-5

Date Report Requested: 10/16/2014
Time Report Requested: 02:39:35
First Dose M/F: NA / NA
Lab: BNW

ANIMAL ID: 440

TRT#: 3
DOSE: 220 PPM

SEX: Male
DISP: Terminal Sacrifice

DAY ON TEST: 367
HISTO: 19450

OBSERVATIONS

* Lung

Alveolar Epith
Perivascular
Alveolus

Hemorrhage
Hyperplasia
Hyperplasia
Infiltration Cellular

Multifocal, Minimal
Multifocal, Minimal
Lymphoid, Multifocal, Minimal
Histiocyte, Multifocal, Minimal

Note: Hyperplasia, alveolar epithelium is a type 2 cell.

Note: Hemorrhage is subpleural.

[Hemorrhage TGLS = 1-3]

* Testes

Interstit Cell

Hyperplasia

Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05135-05
Test Type: SIX MONTH EXPOS.
Route: RESPIRATORY EXPOSURE WHOLE BODY
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Isoprene
CAS Number: 78-79-5

Date Report Requested: 10/16/2014
Time Report Requested: 02:39:35
First Dose M/F: NA / NA
Lab: BNW

ANIMAL ID: 441

TRT#: 3
DOSE: 220 PPM

SEX: Male
DISP: Terminal Sacrifice

DAY ON TEST: 367
HISTO: 19451

OBSERVATIONS

* Lung

Perivascular
Alveolus

Hemorrhage
Hyperplasia
Infiltration Cellular

Minimal
Lymphoid, Multifocal, Mild
Histiocyte, Multifocal, Mild

Note: Hemorrhage is subpleural.

Note: These were not coded since there was no corresponding gross lesion recorded.

[Hemorrhage TGLS = 2-13]

* Testes

Interstit Cell

Hyperplasia
Calculus Micro Observation Only

Moderate

* Urinary Bladder

[Calculus Micro Observation Only TGLS = 1-8]

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05135-05
Test Type: SIX MONTH EXPOS.
Route: RESPIRATORY EXPOSURE WHOLE BODY
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Isoprene
CAS Number: 78-79-5

Date Report Requested: 10/16/2014
Time Report Requested: 02:39:35
First Dose M/F: NA / NA
Lab: BNW

ANIMAL ID: 442

TRT#: 3
DOSE: 220 PPM

SEX: Male
DISP: Terminal Sacrifice

DAY ON TEST: 367
HISTO: 19452

OBSERVATIONS

* Lung

Perivascular

Hemorrhage
Hyperplasia

Multifocal, Minimal
Lymphoid, Multifocal, Minimal

Note: Hemorrhage is subpleural and present in all lobes. This change probably corresponds to TGL 1.

[Hemorrhage TGLS = 1-3]

* Testes

Interstit Cell
Interstit Cell

Adenoma
Hyperplasia

Moderate

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05135-05
Test Type: SIX MONTH EXPOS.
Route: RESPIRATORY EXPOSURE WHOLE BODY
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Isoprene
CAS Number: 78-79-5

Date Report Requested: 10/16/2014
Time Report Requested: 02:39:35
First Dose M/F: NA / NA
Lab: BNW

ANIMAL ID: 443	TRT#: 3	SEX: Male	DAY ON TEST: 367
	DOSE: 220 PPM	DISP: Terminal Sacrifice	HISTO: 19453

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Lung

OBSERVATIONS

* Liver		Necrosis	Focal, Minimal
Note: TGL 1 = NCL			
* Testes	Interstit Cell	Adenoma	
	Interstit Cell	Hyperplasia	Marked

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05135-05
Test Type: SIX MONTH EXPOS.
Route: RESPIRATORY EXPOSURE WHOLE BODY
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Isoprene
CAS Number: 78-79-5

Date Report Requested: 10/16/2014
Time Report Requested: 02:39:35
First Dose M/F: NA / NA
Lab: BNW

ANIMAL ID: 444

TRT#: 3

SEX: Male

DAY ON TEST: 367

DOSE: 220 PPM

DISP: Terminal Sacrifice

HISTO: 19454

OBSERVATIONS

* Liver

Fatty Change
Hepatodiaphragmatic Nodule
Necrosis

Minimal

[Hepatodiaphragmatic Nodule TGLS = 1-13]

Multifocal, Minimal

* Lung

Peribronchial
Perivascular
Alveolus

Hemorrhage
Hyperplasia
Hyperplasia
Infiltration Cellular

Multifocal, Mild
Lymphoid, Focal, Mild
Lymphoid, Multifocal, Mild
Histiocyte, Multifocal, Minimal

Note: Hemorrhage is subpleural.

[Hemorrhage TGLS = 2-3]

* Lymph Node, Mediastinal

Hyperplasia

Note: Hyperplasia is reactive.

[Hyperplasia TGLS = 3-2]

* Testes

Interstitial Cell

Hyperplasia

Marked

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05135-05
Test Type: SIX MONTH EXPOS.
Route: RESPIRATORY EXPOSURE WHOLE BODY
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Isoprene
CAS Number: 78-79-5

Date Report Requested: 10/16/2014
Time Report Requested: 02:39:35
First Dose M/F: NA / NA
Lab: BNW

ANIMAL ID: 445

TRT#: 3

SEX: Male

DAY ON TEST: 367

DOSE: 220 PPM

DISP: Terminal Sacrifice

HISTO: 19455

OBSERVATIONS

* Liver

Fatty Change
Fibrosis
Hepatodiaphragmatic Nodule
Necrosis

Multifocal, Minimal
Multifocal, Minimal
Multifocal, Minimal

Note: Fibrosis is cholangiofibrosis.

[Fatty Change TGLS = 1-13]

[Hepatodiaphragmatic Nodule TGLS = 2-14]

* Lung

Perivascular

Hemorrhage
Hyperplasia

Multifocal, Moderate
Lymphoid, Multifocal, Minimal

Note: Hemorrhage is subpleural.

[Hemorrhage TGLS = 3-3]

* Testes

Interstitial Cell

Hyperplasia

Marked

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05135-05
Test Type: SIX MONTH EXPOS.
Route: RESPIRATORY EXPOSURE WHOLE BODY
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Isoprene
CAS Number: 78-79-5

Date Report Requested: 10/16/2014
Time Report Requested: 02:39:35
First Dose M/F: NA / NA
Lab: BNW

ANIMAL ID: 446

TRT#: 3
DOSE: 220 PPM

SEX: Male
DISP: Terminal Sacrifice

DAY ON TEST: 367
HISTO: 19456

OBSERVATIONS

* Lung

Alveolar Epith
Peribronchial
Perivascular
Alveolus

Hemorrhage
Hyperplasia
Hyperplasia
Hyperplasia
Infiltration Cellular

Multifocal, Minimal
Multifocal, Moderate
Lymphoid, Focal, Minimal
Lymphoid, Multifocal, Moderate
Histiocyte, Multifocal, Moderate

Note: Hemorrhage is subpleural.

Note: Hyperplasia, alveolar epithelium is a type 2 cell.

[Hemorrhage TGLS = 1-3]

* Testes

Interstit Cell

Hyperplasia

Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05135-05
Test Type: SIX MONTH EXPOS.
Route: RESPIRATORY EXPOSURE WHOLE BODY
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Isoprene
CAS Number: 78-79-5

Date Report Requested: 10/16/2014
Time Report Requested: 02:39:35
First Dose M/F: NA / NA
Lab: BNW

ANIMAL ID: 447

TRT#: 3

SEX: Male

DAY ON TEST: 186

DOSE: 220 PPM

DISP: Scheduled Sacrifice

HISTO: 19457

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Blood Vessel	* Bone
* Bone Marrow	* 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	* Kidney	* Larynx	* Liver
* Lymph Node, Bronchial	* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Mammary Gland
* Nose	* Pancreas	* Parathyroid Gland	* Peripheral Nerve
* Pharynx	* Pituitary Gland	* Preputial Gland	* Prostate
* Salivary Glands	* Seminal Vesicle	* Skin	* Spinal Cord
* Spleen	* Stomach, Forestomach	* Stomach, Glandular	* Thymus
* Thyroid Gland	* Trachea	* Urinary Bladder	

OBSERVATIONS

* Blood Vessel Note: Aorta is normal.			
* Lung Note: Hemorrhage is subpleural. [Hemorrhage TGLS = 2-3]		Hemorrhage	Moderate
* Lym Node Bron Note: Tracheobronchial lymph node is normal.			
* Lymph Node, Mediastinal Note: Red blood cells present in cortical and/or medullary sinuses. [Congestion TGLS = 1-2]		Congestion	
* Perph Nerve Note: Sciatic nerve is normal.			
* Testes	Interstit Cell	Hyperplasia	Minimal

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05135-05
Test Type: SIX MONTH EXPOS.
Route: RESPIRATORY EXPOSURE WHOLE BODY
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Isoprene
CAS Number: 78-79-5

Date Report Requested: 10/16/2014
Time Report Requested: 02:39:35
First Dose M/F: NA / NA
Lab: BNW

ANIMAL ID: 448

TRT#: 3

SEX: Male

DAY ON TEST: 367

DOSE: 220 PPM

DISP: Terminal Sacrifice

HISTO: 19458

OBSERVATIONS

* Liver
[Hepatodiaphragmatic Nodule TGLS = 1-13]
Hepatodiaphragmatic Nodule

* Lung
Alveolar Epith Hemorrhage Multifocal, Minimal
Perivascular Hyperplasia Multifocal, Moderate
Alveolus Infiltration Cellular Lymphoid, Multifocal, Moderate
Histiocyte, Multifocal, Moderate

Note: Hemorrhage is subpleural.

Note: Hyperplasia, alveolar epithelium is a type 2 cell.

[Hemorrhage TGLS = 2-3]

* Testes Interstit Cell Hyperplasia Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05135-05

Test Type: SIX MONTH EXPOS.

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Isoprene

CAS Number: 78-79-5

Date Report Requested: 10/16/2014

Time Report Requested: 02:39:35

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 449

TRT#: 3

SEX: Male

DAY ON TEST: 367

DOSE: 220 PPM

DISP: Terminal Sacrifice

HISTO: 19459

OBSERVATIONS

* Epididymis

Note: M - Mesothelioma

[Mesothelioma Benign TGLS = 2-14]

Mesothelioma Benign

* Liver

[Hepatodiaphragmatic Nodule TGLS = 1-13]

Clear Cell Focus

Minimal

Hepatodiaphragmatic Nodule

* Lung

Note: Hemorrhage is subpleural.

Hemorrhage

Multifocal, Minimal

* Testes

Interstitial Cell

Hyperplasia

Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05135-05
Test Type: SIX MONTH EXPOS.
Route: RESPIRATORY EXPOSURE WHOLE BODY
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Isoprene
CAS Number: 78-79-5

Date Report Requested: 10/16/2014
Time Report Requested: 02:39:35
First Dose M/F: NA / NA
Lab: BNW

ANIMAL ID: 450	TRT#: 3 DOSE: 220 PPM	SEX: Male DISP: Terminal Sacrifice	DAY ON TEST: 367 HISTO: 19460
-----------------------	--	---	--

OBSERVATIONS

* Lung Note: Hemorrhage is subpleural. [Hemorrhage TGLS = 1-3]		Hemorrhage	Multifocal, Minimal
* Pituitary Gland Note: -B-Adenoma [Adenoma TGLS = 2-8]	Pars Distalis	Adenoma Cyst	
* Testes	Interstit Cell	Hyperplasia	Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05135-05
Test Type: SIX MONTH EXPOS.
Route: RESPIRATORY EXPOSURE WHOLE BODY
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Isoprene
CAS Number: 78-79-5

Date Report Requested: 10/16/2014
Time Report Requested: 02:39:35
First Dose M/F: NA / NA
Lab: BNW

ANIMAL ID: 611	TRT#: 4	SEX: Male	DAY ON TEST: 367
	DOSE: 700 PPM	DISP: Terminal Sacrifice	HISTO: 19361

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Trachea

OBSERVATIONS

* Lung

Alveolar Epith
Peribronchial
Perivascular
Alveolus

Hemorrhage
Hyperplasia
Hyperplasia
Hyperplasia
Infiltration Cellular

Multifocal, Minimal
Multifocal, Mild
Lymphoid, Multifocal, Minimal
Lymphoid, Multifocal, Moderate
Histiocyte, Multifocal, Mild

Note: Hyperplasia, alveolar epithelium is a type 2 cell

Note: Hemorrhage is subpleural.

[Hemorrhage TGLS = 2-3]

* Testes

Interstit Cell

Hyperplasia

Marked

* Trachea

Note: TGL 1 = NCL

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05135-05
Test Type: SIX MONTH EXPOS.
Route: RESPIRATORY EXPOSURE WHOLE BODY
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Isoprene
CAS Number: 78-79-5

Date Report Requested: 10/16/2014
Time Report Requested: 02:39:35
First Dose M/F: NA / NA
Lab: BNW

ANIMAL ID: 612

TRT#: 4

SEX: Male

DAY ON TEST: 186

DOSE: 700 PPM

DISP: Scheduled Sacrifice

HISTO: 19362

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Blood Vessel	* Bone
* Bone Marrow	* 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	* Kidney	* Larynx	* Lymph Node, Bronchial
* Lymph Node, Mandibular	* Lymph Node, Mediastinal	* Lymph Node, Mesenteric	* Mammary Gland
* Nose	* Pancreas	* Parathyroid Gland	* Peripheral Nerve
* Pharynx	* Pituitary Gland	* Preputial Gland	* Prostate
* Salivary Glands	* Seminal Vesicle	* Skin	* Spinal Cord
* Spleen	* Stomach, Forestomach	* Stomach, Glandular	* Testes
* Thymus	* Thyroid Gland	* Trachea	* Urinary Bladder

OBSERVATIONS

* Blood Vessel
Note: Aorta is normal.

* Liver
[Hepatodiaphragmatic Nodule TGLS = 1,2-13+14]
Hepatodiaphragmatic Nodule

* Lung
Note: Hemorrhage is subpleural.
[Hemorrhage TGLS = 3-3]
Hemorrhage Mild

* Lym Node Bron
Note: Tracheobronchial lymph node is normal.

* Perph Nerve
Note: Sciatic nerve is normal.

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05135-05
Test Type: SIX MONTH EXPOS.
Route: RESPIRATORY EXPOSURE WHOLE BODY
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Isoprene
CAS Number: 78-79-5

Date Report Requested: 10/16/2014
Time Report Requested: 02:39:35
First Dose M/F: NA / NA
Lab: BNW

ANIMAL ID: 613

TRT#: 4
DOSE: 700 PPM

SEX: Male
DISP: Terminal Sacrifice

DAY ON TEST: 367
HISTO: 19363

OBSERVATIONS

* Lung

Perivascular

Hemorrhage
Hyperplasia

Multifocal, Mild
Lymphoid, Focal, Minimal

Note: Hemorrhage is subpleural.

[Hemorrhage TGLS = 1-3]

* Testes

Interstit Cell

Hyperplasia

Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05135-05
Test Type: SIX MONTH EXPOS.
Route: RESPIRATORY EXPOSURE WHOLE BODY
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Isoprene
CAS Number: 78-79-5

Date Report Requested: 10/16/2014
Time Report Requested: 02:39:35
First Dose M/F: NA / NA
Lab: BNW

ANIMAL ID: 614

TRT#: 4

SEX: Male

DAY ON TEST: 367

DOSE: 700 PPM

DISP: Terminal Sacrifice

HISTO: 19364

OBSERVATIONS

* Liver
[Fatty Change TGLS = 1-4]

Fatty Change

Minimal

* Lung

Alveolar Epith
Peribronchial
Perivascular
Alveolus

Hemorrhage
Hyperplasia
Hyperplasia
Hyperplasia
Infiltration Cellular

Multifocal, Minimal
Multifocal, Mild
Lymphoid, Multifocal, Minimal
Lymphoid, Multifocal, Mild
Histiocyte, Multifocal, Mild

Note: Hyperplasia, alveolar epithelium is a type 2 cell.

Note: Hemorrhage is subpleural.

[Hemorrhage TGLS = 2-3]

* Testes

Interstitial Cell

Hyperplasia

Moderate

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05135-05
Test Type: SIX MONTH EXPOS.
Route: RESPIRATORY EXPOSURE WHOLE BODY
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Isoprene
CAS Number: 78-79-5

Date Report Requested: 10/16/2014
Time Report Requested: 02:39:35
First Dose M/F: NA / NA
Lab: BNW

ANIMAL ID: 615

TRT#: 4

SEX: Male

DAY ON TEST: 186

DOSE: 700 PPM

DISP: Scheduled Sacrifice

HISTO: 19365

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Blood Vessel	* Bone
* Bone Marrow	* 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	* Kidney	* Larynx	* Lymph Node, Bronchial
* Lymph Node, Mandibular	* Lymph Node, Mediastinal	* Lymph Node, Mesenteric	* Mammary Gland
* Nose	* Pancreas	* Parathyroid Gland	* Peripheral Nerve
* Pharynx	* Pituitary Gland	* Preputial Gland	* Prostate
* Salivary Glands	* Seminal Vesicle	* Skin	* Spinal Cord
* Spleen	* Stomach, Forestomach	* Stomach, Glandular	* Testes
* Thymus	* Thyroid Gland	* Trachea	* Urinary Bladder

OBSERVATIONS

* Blood Vessel
Note: Aorta is normal.

* Liver
[Hepatodiaphragmatic Nodule TGLS = 1-13]
Hepatodiaphragmatic Nodule

* Lung
Note: Hemorrhage is subpleural.
[Hemorrhage TGLS = 2-3]
Hemorrhage Mild

* Lym Node Bron
Note: Tracheobronchial lymph node is normal.

* Perph Nerve
Note: Sciatic nerve is normal.

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05135-05
Test Type: SIX MONTH EXPOS.
Route: RESPIRATORY EXPOSURE WHOLE BODY
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Isoprene
CAS Number: 78-79-5

Date Report Requested: 10/16/2014
Time Report Requested: 02:39:35
First Dose M/F: NA / NA
Lab: BNW

ANIMAL ID: 616

TRT#: 4

SEX: Male

DAY ON TEST: 367

DOSE: 700 PPM

DISP: Terminal Sacrifice

HISTO: 19366

OBSERVATIONS

* Liver

Fatty Change
Hepatodiaphragmatic Nodule

Minimal

Note: Minimal fatty change is present in section 14, but it is doubtful if such a minimal change correlates with the gross observation.

Note: TGL 2-14 = NCL

[Hepatodiaphragmatic Nodule TGLS = 1-13]

* Lung

Alveolar Epith
Perivascular
Alveolus

Hemorrhage
Hyperplasia
Hyperplasia
Infiltration Cellular

Multifocal, Minimal
Multifocal, Minimal
Lymphoid, Multifocal, Minimal
Histiocyte, Multifocal, Minimal

Note: Hyperplasia, alveolar epithelium is a type 2 cell.

Note: Hemorrhage is subpleural.

[Hemorrhage TGLS = 3-3]

* Testes

Interstitial Cell

Hyperplasia

Marked

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05135-05
Test Type: SIX MONTH EXPOS.
Route: RESPIRATORY EXPOSURE WHOLE BODY
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Isoprene
CAS Number: 78-79-5

Date Report Requested: 10/16/2014
Time Report Requested: 02:39:35
First Dose M/F: NA / NA
Lab: BNW

ANIMAL ID: 617	TRT#: 4 DOSE: 700 PPM	SEX: Male DISP: Terminal Sacrifice	DAY ON TEST: 367 HISTO: 19367
-----------------------	--	---	--

OBSERVATIONS

* Kidney	Bilateral	Cyst Nephropathy	Chronic, Minimal
Note: The lesion may be the result of an old cortical infarction. Note: There is a well demarcated focal area of chronic inflammation and degeneration immediately above the cystic space. Note: The cyst observed grossly is located at the corticomedullary junction. [Cyst TGLS = 1-13]			
* Lung	Alveolus	Hemorrhage Infiltration Cellular	Multifocal, Minimal Histiocyte, Multifocal, Minimal
Note: Hemorrhage is subpleural. [Hemorrhage TGLS = 2-3]			
* Testes	Interstitial Cell	Hyperplasia	Marked

PRIMARY CAUSE OF DEATH

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05135-05
Test Type: SIX MONTH EXPOS.
Route: RESPIRATORY EXPOSURE WHOLE BODY
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Isoprene
CAS Number: 78-79-5

Date Report Requested: 10/16/2014
Time Report Requested: 02:39:35
First Dose M/F: NA / NA
Lab: BNW

ANIMAL ID: 618	TRT#: 4	SEX: Male	DAY ON TEST: 367
	DOSE: 700 PPM	DISP: Terminal Sacrifice	HISTO: 19368

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Lung

OBSERVATIONS

* Testes	Interstit Cell	Hyperplasia	Mild
----------	----------------	-------------	------

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05135-05
Test Type: SIX MONTH EXPOS.
Route: RESPIRATORY EXPOSURE WHOLE BODY
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Isoprene
CAS Number: 78-79-5

Date Report Requested: 10/16/2014
Time Report Requested: 02:39:35
First Dose M/F: NA / NA
Lab: BNW

ANIMAL ID: 619	TRT#: 4 DOSE: 700 PPM	SEX: Male DISP: Terminal Sacrifice	DAY ON TEST: 367 HISTO: 19369
OBSERVATIONS			
* Liver [Fatty Change TGLS = 1-4]		Fatty Change	Minimal
* Lung Note: Hemorrhage is subpleural. [Hemorrhage TGLS = 2-3]	Perivascular	Hemorrhage Hyperplasia	Multifocal, Minimal Lymphoid, Focal, Mild
* Testes	Interstit Cell	Hyperplasia	Moderate
<hr/> PRIMARY CAUSE OF DEATH - <hr/>			

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05135-05

Test Type: SIX MONTH EXPOS.

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Isoprene

CAS Number: 78-79-5

Date Report Requested: 10/16/2014

Time Report Requested: 02:39:35

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 620

TRT#: 4

SEX: Male

DAY ON TEST: 186

DOSE: 700 PPM

DISP: Scheduled Sacrifice

HISTO: 19370

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- | | | | |
|---------------------------|-----------------------------|--------------------------|----------------------------|
| * Adrenal Cortex | * Adrenal Medulla | * Blood Vessel | * Bone |
| * Bone Marrow | * 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 | * Kidney | * Larynx | * Lymph Node, Bronchial |
| * Lymph Node, Mandibular | * Lymph Node, Mediastinal | * Lymph Node, Mesenteric | * Mammary Gland |
| * Nose | * Pancreas | * Parathyroid Gland | * Peripheral Nerve |
| * Pharynx | * Pituitary Gland | * Preputial Gland | * Prostate |
| * Salivary Glands | * Seminal Vesicle | * Skin | * Spinal Cord |
| * Spleen | * Stomach, Forestomach | * Stomach, Glandular | * Testes |
| * Thymus | * Thyroid Gland | * Trachea | * Urinary Bladder |

OBSERVATIONS

- * Blood Vessel
Note: Aorta is normal.
- * Liver
[Hepatodiaphragmatic Nodule TGLS = 1-13]
Hepatodiaphragmatic Nodule
- * Lung
Note: Hemorrhage is subpleural.
[Hemorrhage TGLS = 2-3]
Hemorrhage Mild
- * Lym Node Bron
Note: Tracheobronchial lymph node is normal.
- * Perph Nerve
Note: Sciatic nerve is normal.

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05135-05
Test Type: SIX MONTH EXPOS.
Route: RESPIRATORY EXPOSURE WHOLE BODY
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Isoprene
CAS Number: 78-79-5

Date Report Requested: 10/16/2014
Time Report Requested: 02:39:35
First Dose M/F: NA / NA
Lab: BNW

ANIMAL ID: 621

TRT#: 4

SEX: Male

DAY ON TEST: 367

DOSE: 700 PPM

DISP: Terminal Sacrifice

HISTO: 19371

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Lung

OBSERVATIONS

* Testes

Interstit Cell

Hyperplasia

Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05135-05
Test Type: SIX MONTH EXPOS.
Route: RESPIRATORY EXPOSURE WHOLE BODY
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Isoprene
CAS Number: 78-79-5

Date Report Requested: 10/16/2014
Time Report Requested: 02:39:35
First Dose M/F: NA / NA
Lab: BNW

ANIMAL ID: 622

TRT#: 4
DOSE: 700 PPM

SEX: Male
DISP: Terminal Sacrifice

DAY ON TEST: 367
HISTO: 19372

OBSERVATIONS

* Lung

Alveolar Epith
Perivascular
Alveolus

Hemorrhage
Hyperplasia
Hyperplasia
Infiltration Cellular

Multifocal, Minimal
Multifocal, Minimal
Lymphoid, Multifocal, Mild
Histiocyte, Multifocal, Minimal

Note: Hyperplasia, alveolar epithelium is a type 2 cell.

Note: Hemorrhage is subpleural.

[Hemorrhage TGLS = 1-3]

* Testes

Interstit Cell

Hyperplasia

Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05135-05
Test Type: SIX MONTH EXPOS.
Route: RESPIRATORY EXPOSURE WHOLE BODY
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Isoprene
CAS Number: 78-79-5

Date Report Requested: 10/16/2014
Time Report Requested: 02:39:35
First Dose M/F: NA / NA
Lab: BNW

ANIMAL ID: 623	TRT#: 4	SEX: Male	DAY ON TEST: 367
	DOSE: 700 PPM	DISP: Terminal Sacrifice	HISTO: 19373

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Skin

OBSERVATIONS

* Lung		Hemorrhage	Multifocal, Minimal
Note: Hemorrhage is subpleural. [Hemorrhage TGLS = 3-3]			
* Mammary Gland		Fibroadenoma	
Note: -B-Fibroadenoma [Fibroadenoma TGLS = 1-13+14]			
* Skin			
Note: Please see mammary gland for TGL 1.			
* Testes	Interstit Cell	Adenoma	
	Interstit Cell	Hyperplasia	Mild
Note: -B-Adenoma [Adenoma TGLS = 2-7]			

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05135-05
Test Type: SIX MONTH EXPOS.
Route: RESPIRATORY EXPOSURE WHOLE BODY
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Isoprene
CAS Number: 78-79-5

Date Report Requested: 10/16/2014
Time Report Requested: 02:39:35
First Dose M/F: NA / NA
Lab: BNW

ANIMAL ID: 624

TRT#: 4

SEX: Male

DAY ON TEST: 367

DOSE: 700 PPM

DISP: Terminal Sacrifice

HISTO: 19374

OBSERVATIONS

* Lung

Perivascular
Alveolus

Hyperplasia
Infiltration Cellular
Hyperplasia

Lymphoid, Multifocal, Minimal
Histiocyte, Multifocal, Minimal

* Lymph Node, Mediastinal

Note: Hyperplasia is reactive.

Note: Since no gross lesion was observed in the lung, these changes were not documented.

Note: TGL 1-2 is probably associated with the inflammatory changes and perivascular lymphoid hyperplasia in the lung.

* Testes

Interstit Cell
Interstit Cell

Adenoma
Hyperplasia

Marked

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05135-05
Test Type: SIX MONTH EXPOS.
Route: RESPIRATORY EXPOSURE WHOLE BODY
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Isoprene
CAS Number: 78-79-5

Date Report Requested: 10/16/2014
Time Report Requested: 02:39:35
First Dose M/F: NA / NA
Lab: BNW

ANIMAL ID: 625	TRT#: 4	SEX: Male	DAY ON TEST: 186
	DOSE: 700 PPM	DISP: Scheduled Sacrifice	HISTO: 19375

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Blood Vessel	* Bone
* Bone Marrow	* 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	* Kidney	* Larynx	* Liver
* Lymph Node, Bronchial	* Lymph Node, Mediastinal	* Lymph Node, Mesenteric	* Mammary Gland
* Nose	* Pancreas	* Parathyroid Gland	* Peripheral Nerve
* Pharynx	* Pituitary Gland	* Preputial Gland	* Prostate
* Salivary Glands	* Seminal Vesicle	* Skin	* Spinal Cord
* Spleen	* Stomach, Forestomach	* Stomach, Glandular	* Testes
* Thymus	* Thyroid Gland	* Trachea	* Urinary Bladder

OBSERVATIONS

* Blood Vessel Note: Aorta is normal.			
* Lung Note: Hemorrhage is subpleural. [Hemorrhage TGLS = 1-3]		Hemorrhage	Moderate
* Lym Node Bron Note: Tracheobronchial lymph node is normal.			
* Lymph Node, Mandibular Note: Red blood cells present in cortical and/or medullary sinuses. [Congestion TGLS = 2-7]		Congestion	
* Perph Nerve Note: Sciatic nerve is normal.			

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05135-05
Test Type: SIX MONTH EXPOS.
Route: RESPIRATORY EXPOSURE WHOLE BODY
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Isoprene
CAS Number: 78-79-5

Date Report Requested: 10/16/2014
Time Report Requested: 02:39:35
First Dose M/F: NA / NA
Lab: BNW

ANIMAL ID: 626

TRT#: 4
DOSE: 700 PPM

SEX: Male
DISP: Terminal Sacrifice

DAY ON TEST: 367
HISTO: 19376

OBSERVATIONS

* Lung

Perivascular
Alveolus

Hyperplasia
Infiltration Cellular

Lymphoid, Multifocal, Minimal
Histiocyte, Focal, Minimal

* Testes

Interstit Cell
Interstit Cell

Adenoma
Hyperplasia

Marked

Note: -B-Adenoma
[Adenoma TGLS = 1-7]

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05135-05
Test Type: SIX MONTH EXPOS.
Route: RESPIRATORY EXPOSURE WHOLE BODY
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Isoprene
CAS Number: 78-79-5

Date Report Requested: 10/16/2014
Time Report Requested: 02:39:35
First Dose M/F: NA / NA
Lab: BNW

ANIMAL ID: 627

TRT#: 4
DOSE: 700 PPM

SEX: Male
DISP: Terminal Sacrifice

DAY ON TEST: 367
HISTO: 19377

OBSERVATIONS

* Lung

Perivascular
Alveolus

Hemorrhage
Hyperplasia
Infiltration Cellular

Multifocal, Minimal
Lymphoid, Multifocal, Minimal
Histiocyte, Multifocal, Minimal

Note: Hemorrhage is subpleural.

* Pituitary Gland

Note: -B-Adenoma

[Adenoma TGLS = 1-8]

Adenoma

* Testes

Interstit Cell

Hyperplasia

Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05135-05
Test Type: SIX MONTH EXPOS.
Route: RESPIRATORY EXPOSURE WHOLE BODY
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Isoprene
CAS Number: 78-79-5

Date Report Requested: 10/16/2014
Time Report Requested: 02:39:35
First Dose M/F: NA / NA
Lab: BNW

ANIMAL ID: 628

TRT#: 4

SEX: Male

DAY ON TEST: 367

DOSE: 700 PPM

DISP: Terminal Sacrifice

HISTO: 19378

OBSERVATIONS

* Lung

Note: Hemorrhage is subpleural.

[Hemorrhage TGLS = 2-3]

Hemorrhage

Multifocal, Minimal

* Spleen

Note: Ectopic splenic tissue.

[Accessory Spleen TGLS = 1-13]

Accessory Spleen

* Testes

Interstitial Cell

Hyperplasia

Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05135-05

Test Type: SIX MONTH EXPOS.

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Isoprene

CAS Number: 78-79-5

Date Report Requested: 10/16/2014

Time Report Requested: 02:39:35

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 629

TRT#: 4

SEX: Male

DAY ON TEST: 367

DOSE: 700 PPM

DISP: Terminal Sacrifice

HISTO: 19379

OBSERVATIONS

* Lung

Perivascular

Hyperplasia

Lymphoid, Multifocal, Minimal

* Pituitary Gland

Adenoma

Note: -B-Adenoma

[Adenoma TGLS = 1-8]

* Testes

Interstit Cell

Hyperplasia

Moderate

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05135-05
Test Type: SIX MONTH EXPOS.
Route: RESPIRATORY EXPOSURE WHOLE BODY
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Isoprene
CAS Number: 78-79-5

Date Report Requested: 10/16/2014
Time Report Requested: 02:39:35
First Dose M/F: NA / NA
Lab: BNW

ANIMAL ID: 630

TRT#: 4
DOSE: 700 PPM

SEX: Male
DISP: Terminal Sacrifice

DAY ON TEST: 367
HISTO: 19380

OBSERVATIONS

* Lung

Note: Hemorrhage is subpleural.

[Hemorrhage TGLS = 1-3]

Hemorrhage

Multifocal, Minimal

* Testes

Interstit Cell
Interstit Cell

Adenoma
Hyperplasia

Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05135-05
Test Type: SIX MONTH EXPOS.
Route: RESPIRATORY EXPOSURE WHOLE BODY
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Isoprene
CAS Number: 78-79-5

Date Report Requested: 10/16/2014
Time Report Requested: 02:39:35
First Dose M/F: NA / NA
Lab: BNW

ANIMAL ID: 631

TRT#: 4
DOSE: 700 PPM

SEX: Male
DISP: Terminal Sacrifice

DAY ON TEST: 367
HISTO: 19381

OBSERVATIONS

* Lung

Alveolar Epith
Perivascular
Alveolus

Hemorrhage
Hyperplasia
Hyperplasia
Infiltration Cellular

Multifocal, Minimal
Multifocal, Mild
Lymphoid, Multifocal, Mild
Histiocyte, Multifocal, Mild

Note: Hyperplasia, Alveolar Epithelium = Type 2 Cell.

Note: Hemorrhage is subpleural.

* Testes

Interstit Cell

Hyperplasia

Marked

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05135-05
Test Type: SIX MONTH EXPOS.
Route: RESPIRATORY EXPOSURE WHOLE BODY
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Isoprene
CAS Number: 78-79-5

Date Report Requested: 10/16/2014
Time Report Requested: 02:39:35
First Dose M/F: NA / NA
Lab: BNW

ANIMAL ID: 632	TRT#: 4 DOSE: 700 PPM	SEX: Male DISP: Terminal Sacrifice	DAY ON TEST: 367 HISTO: 19382
OBSERVATIONS			
* Lung Note: Hemorrhage is subpleural. [Hemorrhage TGLS = 1-3]		Hemorrhage	Multifocal, Minimal
* Testes	Interstit Cell	Hyperplasia	Minimal
PRIMARY CAUSE OF DEATH			
-			

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05135-05
Test Type: SIX MONTH EXPOS.
Route: RESPIRATORY EXPOSURE WHOLE BODY
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Isoprene
CAS Number: 78-79-5

Date Report Requested: 10/16/2014
Time Report Requested: 02:39:35
First Dose M/F: NA / NA
Lab: BNW

ANIMAL ID: 633

TRT#: 4

SEX: Male

DAY ON TEST: 186

DOSE: 700 PPM

DISP: Scheduled Sacrifice

HISTO: 19383

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Blood Vessel	* Bone
* Bone Marrow	* 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	* Kidney	* Larynx	* Liver
* Lymph Node, Bronchial	* Lymph Node, Mandibular	* Lymph Node, Mediastinal	* Lymph Node, Mesenteric
* Mammary Gland	* Nose	* Pancreas	* Parathyroid Gland
* Peripheral Nerve	* Pharynx	* Pituitary Gland	* Preputial Gland
* Prostate	* Salivary Glands	* Seminal Vesicle	* Skin
* Spinal Cord	* Spleen	* Stomach, Forestomach	* Stomach, Glandular
* Testes	* Thymus	* Thyroid Gland	* Trachea
* Urinary Bladder			

OBSERVATIONS

* Blood Vessel Note: Aorta is normal.			
* Lung Note: Hemorrhage is subpleural. [Hemorrhage TGLS = 1-3]	Hemorrhage		Minimal
* Lym Node Bron Note: Tracheobronchial lymph node is normal.			
* Perph Nerve Note: Sciatic nerve is normal.			

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05135-05
Test Type: SIX MONTH EXPOS.
Route: RESPIRATORY EXPOSURE WHOLE BODY
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Isoprene
CAS Number: 78-79-5

Date Report Requested: 10/16/2014
Time Report Requested: 02:39:35
First Dose M/F: NA / NA
Lab: BNW

ANIMAL ID: 634

TRT#: 4
DOSE: 700 PPM

SEX: Male
DISP: Terminal Sacrifice

DAY ON TEST: 367
HISTO: 19384

OBSERVATIONS

* Lung

Alveolar Epith
Peribronchial
Perivascular
Alveolus

Hemorrhage
Hyperplasia
Hyperplasia
Hyperplasia
Infiltration Cellular

Multifocal, Minimal
Multifocal, Minimal
Lymphoid, Multifocal, Minimal
Lymphoid, Multifocal, Mild
Histiocyte, Multifocal, Minimal

Note: Hemorrhage is subpleural.

Note: Hyperplasia, Alveolar Epithelium = Type 2 Cell.

* Testes

Interstit Cell

Hyperplasia

Marked

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05135-05
Test Type: SIX MONTH EXPOS.
Route: RESPIRATORY EXPOSURE WHOLE BODY
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Isoprene
CAS Number: 78-79-5

Date Report Requested: 10/16/2014
Time Report Requested: 02:39:35
First Dose M/F: NA / NA
Lab: BNW

ANIMAL ID: 635

TRT#: 4

SEX: Male

DAY ON TEST: 367

DOSE: 700 PPM

DISP: Terminal Sacrifice

HISTO: 19385

OBSERVATIONS

* Liver
[Fatty Change TGLS = 1-13]

Fatty Change

Minimal

* Lung
Alveolar Epith
Perivascular
Alveolus

Hemorrhage
Hyperplasia
Hyperplasia
Infiltration Cellular

Multifocal, Minimal
Multifocal, Mild
Lymphoid, Multifocal, Mild
Histiocyte, Multifocal, Mild

Note: Hemorrhage is subpleural.

Note: Hyperplasia, alveolar epithelium is a type 2 cell.

[Hemorrhage TGLS = 2-3]

* Testes
Interstit Cell

Hyperplasia

Moderate

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05135-05
Test Type: SIX MONTH EXPOS.
Route: RESPIRATORY EXPOSURE WHOLE BODY
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Isoprene
CAS Number: 78-79-5

Date Report Requested: 10/16/2014
Time Report Requested: 02:39:35
First Dose M/F: NA / NA
Lab: BNW

ANIMAL ID: 636	TRT#: 4 DOSE: 700 PPM	SEX: Male DISP: Terminal Sacrifice	DAY ON TEST: 367 HISTO: 19386
-----------------------	--	---	--

OBSERVATIONS

* Lung	Peribronchial Perivascular Alveolus	Hemorrhage Hyperplasia Hyperplasia Infiltration Cellular	Multifocal, Minimal Lymphoid, Multifocal, Minimal Lymphoid, Multifocal, Mild Histiocyte, Multifocal, Minimal
Note: Hemorrhage is subpleural. [Hemorrhage TGLS = 2-3]			
Mesentery Note: Fat Necrosis [Necrosis TGLS = 1-14]		Necrosis	
* Preputial Gland [Inflammation TGLS = 5-7]		Infiltration Cellular Inflammation	Mixed Cell, Mild Suppurative, Marked
* Skin Note: TGL 4 is associated with an abscess in the adjacent Preputial gland which is coded as TGL 5 under Preputial gland. [Inflammation TGLS = 4-13]		Inflammation	Chronic
* Testes Note: -B-Adenoma [Adenoma TGLS = 3-7]	Interstit Cell Interstit Cell	Adenoma Hyperplasia	Moderate

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05135-05
Test Type: SIX MONTH EXPOS.
Route: RESPIRATORY EXPOSURE WHOLE BODY
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Isoprene
CAS Number: 78-79-5

Date Report Requested: 10/16/2014
Time Report Requested: 02:39:35
First Dose M/F: NA / NA
Lab: BNW

ANIMAL ID: 637	TRT#: 4	SEX: Male	DAY ON TEST: 367
	DOSE: 700 PPM	DISP: Terminal Sacrifice	HISTO: 19387

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Lung

OBSERVATIONS

* Eye

Retina

Cataract
Degeneration

Marked

Note: The retina of the eye with the cataract has severe degenerative changes.

[Cataract TGLS = 1-13]

* Spleen

Capsule

Hyperplasia

Lymphoid

Note: Nodular (lymphoid) Hyperplasia, Splenic Capsule.

[Hyperplasia TGLS = 2-4]

* Testes

Interstit Cell

Hyperplasia

Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05135-05

Test Type: SIX MONTH EXPOS.

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Isoprene

CAS Number: 78-79-5

Date Report Requested: 10/16/2014

Time Report Requested: 02:39:35

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 638

TRT#: 4

SEX: Male

DAY ON TEST: 186

DOSE: 700 PPM

DISP: Scheduled Sacrifice

HISTO: 19388

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Blood Vessel	* Bone
* Bone Marrow	* 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	* Kidney	* Larynx	* Liver
* Lymph Node, Bronchial	* Lymph Node, Mandibular	* Lymph Node, Mediastinal	* Lymph Node, Mesenteric
* Mammary Gland	* Nose	* Pancreas	* Parathyroid Gland
* Peripheral Nerve	* Pharynx	* Pituitary Gland	* Preputial Gland
* Prostate	* Salivary Glands	* Seminal Vesicle	* Skin
* Spinal Cord	* Spleen	* Stomach, Forestomach	* Stomach, Glandular
* Testes	* Thymus	* Thyroid Gland	* Trachea
* Urinary Bladder			

OBSERVATIONS

* Blood Vessel			
Note: Aorta is normal.			
* Lung		Hemorrhage	Mild
	Perivascular	Hyperplasia	Lymphoid, Multifocal, Minimal
Note: Hemorrhage is subpleural.			
[Hemorrhage TGLS = 1-3]			
* Lym Node Bron			
Note: Tracheobronchial lymph node is normal.			
* Perph Nerve			
Note: Sciatic nerve is normal.			

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05135-05

Test Type: SIX MONTH EXPOS.

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Isoprene

CAS Number: 78-79-5

Date Report Requested: 10/16/2014

Time Report Requested: 02:39:35

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 639

TRT#: 4

SEX: Male

DAY ON TEST: 186

DOSE: 700 PPM

DISP: Scheduled Sacrifice

HISTO: 19389

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Blood Vessel	* Bone
* Bone Marrow	* 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	* Kidney	* Larynx	* Liver
* Lymph Node, Bronchial	* Lymph Node, Mandibular	* Lymph Node, Mediastinal	* Lymph Node, Mesenteric
* Mammary Gland	* Nose	* Pancreas	* Parathyroid Gland
* Peripheral Nerve	* Pharynx	* Pituitary Gland	* Preputial Gland
* Prostate	* Salivary Glands	* Seminal Vesicle	* Skin
* Spinal Cord	* Spleen	* Stomach, Forestomach	* Stomach, Glandular
* Thymus	* Thyroid Gland	* Trachea	* Urinary Bladder

OBSERVATIONS

* Blood Vessel			
Note: Aorta is normal.			
* Lung		Hemorrhage	Mild
Note: Hemorrhage is subpleural.			
[Hemorrhage TGLS = 1-3]			
* Lym Node Bron			
Note: Tracheobronchial lymph node is normal.			
* Perph Nerve			
Note: Sciatic nerve is normal.			
* Testes	Interstit Cell	Hyperplasia	Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05135-05

Test Type: SIX MONTH EXPOS.

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Isoprene

CAS Number: 78-79-5

Date Report Requested: 10/16/2014

Time Report Requested: 02:39:35

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 640

TRT#: 4

SEX: Male

DAY ON TEST: 367

DOSE: 700 PPM

DISP: Terminal Sacrifice

HISTO: 19390

OBSERVATIONS

* Lung

Alveolar Epith

Hemorrhage

Multifocal, Minimal

Perivascular

Hyperplasia

Multifocal, Minimal

Alveolus

Hyperplasia

Lymphoid, Multifocal, Minimal

Infiltration Cellular

Histiocyte, Multifocal, Minimal

Note: Hyperplasia, Alveolar Epithelium = Type 2 Cell.

Note: Hemorrhage is subpleural.

* Testes

Interstit Cell

Adenoma

Marked

Interstit Cell

Hyperplasia

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05135-05
Test Type: SIX MONTH EXPOS.
Route: RESPIRATORY EXPOSURE WHOLE BODY
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Isoprene
CAS Number: 78-79-5

Date Report Requested: 10/16/2014
Time Report Requested: 02:39:35
First Dose M/F: NA / NA
Lab: BNW

ANIMAL ID: 641

TRT#: 4
DOSE: 700 PPM

SEX: Male
DISP: Terminal Sacrifice

DAY ON TEST: 367
HISTO: 19391

OBSERVATIONS

* Lung

Alveolar Epith
Perivascular
Alveolus

Hemorrhage
Hyperplasia
Hyperplasia
Infiltration Cellular

Multifocal, Minimal
Multifocal, Minimal
Lymphoid, Multifocal, Minimal
Histiocyte, Multifocal, Minimal

Note: Hemorrhage is subpleural.

Note: Hyperplasia, alveolar epithelium is a type 2 cell.

[Hemorrhage TGLS = 1-3]

* Testes

Interstit Cell
Interstit Cell

Adenoma
Hyperplasia

Marked

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05135-05
Test Type: SIX MONTH EXPOS.
Route: RESPIRATORY EXPOSURE WHOLE BODY
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Isoprene
CAS Number: 78-79-5

Date Report Requested: 10/16/2014
Time Report Requested: 02:39:35
First Dose M/F: NA / NA
Lab: BNW

ANIMAL ID: 642

TRT#: 4
DOSE: 700 PPM

SEX: Male
DISP: Terminal Sacrifice

DAY ON TEST: 367
HISTO: 19392

OBSERVATIONS

* Lung

Hemorrhage

Multifocal, Minimal

Note: Hemorrhage is subpleural.

* Testes

Interstitial Cell

Hyperplasia

Marked

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05135-05
Test Type: SIX MONTH EXPOS.
Route: RESPIRATORY EXPOSURE WHOLE BODY
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Isoprene
CAS Number: 78-79-5

Date Report Requested: 10/16/2014
Time Report Requested: 02:39:35
First Dose M/F: NA / NA
Lab: BNW

ANIMAL ID: 643

TRT#: 4
DOSE: 700 PPM

SEX: Male
DISP: Terminal Sacrifice

DAY ON TEST: 367
HISTO: 19393

OBSERVATIONS

* Lung

Alveolar Epith
Peribronchial
Perivascular
Alveolus

Hemorrhage
Hyperplasia
Hyperplasia
Hyperplasia
Infiltration Cellular

Multifocal, Minimal
Mild
Lymphoid, Multifocal, Minimal
Lymphoid, Multifocal, Moderate
Histiocyte, Multifocal, Mild

Note: Hemorrhage is subpleural.

Note: Hyperplasia, alveolar epithelium is a type 2 cell.

[Hemorrhage TGLS = 2-3]

* Preputial Gland

Infiltration Cellular
Inflammation

Mixed Cell, Marked
Suppurative, Marked

[Inflammation TGLS = 1-7]

* Testes

Interstit Cell

Hyperplasia

Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05135-05
Test Type: SIX MONTH EXPOS.
Route: RESPIRATORY EXPOSURE WHOLE BODY
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Isoprene
CAS Number: 78-79-5

Date Report Requested: 10/16/2014
Time Report Requested: 02:39:35
First Dose M/F: NA / NA
Lab: BNW

ANIMAL ID: 644

TRT#: 4

SEX: Male

DAY ON TEST: 367

DOSE: 700 PPM

DISP: Terminal Sacrifice

HISTO: 19394

OBSERVATIONS

* Kidney

Bilateral

Nephropathy

Chronic, Minimal

Note: TCL 1 = NCL.

* Lung

Perivascular

Hemorrhage

Multifocal, Mild

Hyperplasia

Lymphoid, Multifocal, Minimal

Note: Hemorrhage is subpleural.

Note: There are several small foci of subpleural hemorrhage present.

Note: The focal area observed grossly in the right diaphragmatic lobe consists of red blood cells in the Parenchymal Alveoli.

[Hemorrhage TGLS = 2-3]

* Testes

Interstitial Cell

Hyperplasia

Moderate

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05135-05
Test Type: SIX MONTH EXPOS.
Route: RESPIRATORY EXPOSURE WHOLE BODY
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Isoprene
CAS Number: 78-79-5

Date Report Requested: 10/16/2014
Time Report Requested: 02:39:35
First Dose M/F: NA / NA
Lab: BNW

ANIMAL ID: 645	TRT#: 4	SEX: Male	DAY ON TEST: 367
	DOSE: 700 PPM	DISP: Terminal Sacrifice	HISTO: 19395

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Lymph Node, Mandibular

OBSERVATIONS

* Liver		Fatty Change	Multifocal, Mild
Note: Several very small foci of necrosis and mononuclear cells are present within areas of fatty change. [Fatty Change TGLS = 2-14, 3-13.]			
* Lung	Perivascular	Hemorrhage Hyperplasia	Multifocal, Minimal Lymphoid, Multifocal, Minimal
Note: Hemorrhage is subpleural.			
* Lym Node Mand			
Note: TGL 4 = NCL.			
* Pituitary Gland		Adenoma Hemorrhage	Focal, Mild
Note: The focal area of hemorrhage that was observed grossly is not associated with the adenoma. Note: -B-Adenoma [Hemorrhage TGLS = 5-8]			
* Spleen		Accessory Spleen	
Note: Ectopic Splenic tissue. [Accessory Spleen TGLS = 1-15]			
* Testes	Interstit Cell	Hyperplasia	Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05135-05
Test Type: SIX MONTH EXPOS.
Route: RESPIRATORY EXPOSURE WHOLE BODY
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Isoprene
CAS Number: 78-79-5

Date Report Requested: 10/16/2014
Time Report Requested: 02:39:35
First Dose M/F: NA / NA
Lab: BNW

ANIMAL ID: 646

TRT#: 4

SEX: Male

DAY ON TEST: 186

DOSE: 700 PPM

DISP: Scheduled Sacrifice

HISTO: 19396

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Blood Vessel	* Bone
* Bone Marrow	* 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	* Kidney	* Larynx	* Liver
* Lymph Node, Bronchial	* Lymph Node, Mandibular	* Lymph Node, Mediastinal	* Lymph Node, Mesenteric
* Mammary Gland	* Nose	* Pancreas	* Parathyroid Gland
* Peripheral Nerve	* Pharynx	* Pituitary Gland	* Preputial Gland
* Prostate	* Salivary Glands	* Seminal Vesicle	* Skin
* Spinal Cord	* Spleen	* Stomach, Forestomach	* Stomach, Glandular
* Testes	* Thymus	* Thyroid Gland	* Trachea
* Urinary Bladder			

OBSERVATIONS

* Blood Vessel Note: Aorta is normal.			
* Lung Note: Hemorrhage is subpleural. [Hemorrhage TGLS = 2-3]		Hemorrhage	Moderate
* Lym Node Bron Note: Tracheobronchial lymph node is normal.			
Mesentery Note: Fat Necrosis. [Necrosis TGLS = 1-13]		Necrosis	
* Perph Nerve Note: Sciatic nerve is normal.			

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05135-05
Test Type: SIX MONTH EXPOS.
Route: RESPIRATORY EXPOSURE WHOLE BODY
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Isoprene
CAS Number: 78-79-5

Date Report Requested: 10/16/2014
Time Report Requested: 02:39:35
First Dose M/F: NA / NA
Lab: BNW

ANIMAL ID: 647

TRT#: 4

SEX: Male

DAY ON TEST: 367

DOSE: 700 PPM

DISP: Terminal Sacrifice

HISTO: 19397

OBSERVATIONS

* Lung

Alveolar Epith
Peribronchial
Perivascular
Alveolus

Hemorrhage
Hyperplasia
Hyperplasia
Hyperplasia
Infiltration Cellular

Multifocal, Minimal
Multifocal, Mild
Lymphoid, Multifocal, Minimal
Lymphoid, Multifocal, Mild
Histiocyte, Multifocal, Mild

Note: Hemorrhage is subpleural.

Note: Hyperplasia, Alveolar Epithelium = Type 2 Cell.

* Pituitary Gland

Note: -B-Adenoma

[Adenoma TGLS = 1-8]

Adenoma

* Testes

Interstit Cell

Hyperplasia

Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05135-05

Test Type: SIX MONTH EXPOS.

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Isoprene

CAS Number: 78-79-5

Date Report Requested: 10/16/2014

Time Report Requested: 02:39:35

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 648

TRT#: 4

SEX: Male

DAY ON TEST: 186

DOSE: 700 PPM

DISP: Scheduled Sacrifice

HISTO: 19398

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Blood Vessel	* Bone
* Bone Marrow	* 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	* Kidney	* Larynx	* Liver
* Lymph Node, Bronchial	* Lymph Node, Mandibular	* Lymph Node, Mediastinal	* Lymph Node, Mesenteric
* Mammary Gland	* Nose	* Pancreas	* Parathyroid Gland
* Peripheral Nerve	* Pharynx	* Pituitary Gland	* Preputial Gland
* Prostate	* Salivary Glands	* Seminal Vesicle	* Skin
* Spinal Cord	* Spleen	* Stomach, Forestomach	* Stomach, Glandular
* Testes	* Thymus	* Thyroid Gland	* Trachea
* Urinary Bladder			

OBSERVATIONS

* Blood Vessel Note: Aorta is normal.			
* Lung Note: Hemorrhage is subpleural. [Hemorrhage TGLS = 1-3]	Hemorrhage		Mild
* Lym Node Bron Note: Tracheobronchial lymph node is normal.			
* Perph Nerve Note: Sciatic nerve is normal.			

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05135-05
Test Type: SIX MONTH EXPOS.
Route: RESPIRATORY EXPOSURE WHOLE BODY
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Isoprene
CAS Number: 78-79-5

Date Report Requested: 10/16/2014
Time Report Requested: 02:39:35
First Dose M/F: NA / NA
Lab: BNW

ANIMAL ID: 649

TRT#: 4
DOSE: 700 PPM

SEX: Male
DISP: Terminal Sacrifice

DAY ON TEST: 367
HISTO: 19399

OBSERVATIONS

* Lung

Alveolar Epith
Peribronchial
Perivascular
Alveolus

Hemorrhage
Hyperplasia
Hyperplasia
Hyperplasia
Infiltration Cellular

Multifocal, Minimal
Multifocal, Mild
Lymphoid, Multifocal, Minimal
Lymphoid, Multifocal, Mild
Histocyte, Multifocal, Mild

Note: Hemorrhage is subpleural.

Note: Hyperplasia, Alveolar Epithelium = Type 2 Cell.

* Testes

Interstit Cell

Hyperplasia

Moderate

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05135-05

Test Type: SIX MONTH EXPOS.

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Isoprene

CAS Number: 78-79-5

Date Report Requested: 10/16/2014

Time Report Requested: 02:39:35

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 650

TRT#: 4

SEX: Male

DAY ON TEST: 186

DOSE: 700 PPM

DISP: Scheduled Sacrifice

HISTO: 19400

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Blood Vessel	* Bone
* Bone Marrow	* 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	* Kidney	* Larynx	* Liver
* Lymph Node, Bronchial	* Lymph Node, Mandibular	* Lymph Node, Mediastinal	* Lymph Node, Mesenteric
* Mammary Gland	* Nose	* Pancreas	* Parathyroid Gland
* Peripheral Nerve	* Pharynx	* Pituitary Gland	* Preputial Gland
* Prostate	* Salivary Glands	* Seminal Vesicle	* Skin
* Spinal Cord	* Spleen	* Stomach, Forestomach	* Stomach, Glandular
* Testes	* Thymus	* Thyroid Gland	* Trachea
* Urinary Bladder			

OBSERVATIONS

* Blood Vessel Note: Aorta is normal.			
* Lung Note: Hemorrhage is subpleural. [Hemorrhage TGLS = 1-3]	Hemorrhage		Mild
* Lym Node Bron Note: Tracheobronchial lymph node is normal.			
* Perph Nerve Note: Sciatic nerve is normal.			

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05135-05
Test Type: SIX MONTH EXPOS.
Route: RESPIRATORY EXPOSURE WHOLE BODY
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Isoprene
CAS Number: 78-79-5

Date Report Requested: 10/16/2014
Time Report Requested: 02:39:35
First Dose M/F: NA / NA
Lab: BNW

ANIMAL ID: 811

TRT#: 5

SEX: Male

DAY ON TEST: 366

DOSE: 2200 PPM

DISP: Terminal Sacrifice

HISTO: 19301

OBSERVATIONS

* Lung

Alveolar Epith
Peribronchial
Perivascular
Alveolus

Hemorrhage
Hyperplasia
Hyperplasia
Hyperplasia
Infiltration Cellular

Multifocal, Minimal
Multifocal, Minimal
Lymphoid, Multifocal, Minimal
Lymphoid, Multifocal, Mild
Histiocyte, Multifocal, Minimal

Note: Hyperplasia, alveolar epithelium is a type 2 cell.

Note: Hemorrhage is subpleural.

[Hemorrhage TGLS = 1-3]

* Testes

Interstit Cell

Hyperplasia

Moderate

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05135-05
Test Type: SIX MONTH EXPOS.
Route: RESPIRATORY EXPOSURE WHOLE BODY
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Isoprene
CAS Number: 78-79-5

Date Report Requested: 10/16/2014
Time Report Requested: 02:39:35
First Dose M/F: NA / NA
Lab: BNW

ANIMAL ID: 812	TRT#: 5 DOSE: 2200 PPM	SEX: Male DISP: Terminal Sacrifice	DAY ON TEST: 366 HISTO: 19302
OBSERVATIONS			
* Kidney Note: TGL 3 = NCL	Bilateral	Nephropathy	Chronic, Minimal
* Lung	Alveolar Epith Perivascular Alveolus	Hemorrhage Hyperplasia Hyperplasia Infiltration Cellular	Multifocal, Mild Multifocal, Mild Lymphoid, Multifocal, Minimal Histiocyte, Multifocal, Mild
Note: Hemorrhage is subpleural. Note: Hyperplasia, alveolar epithelium is a type 2 cell. [Hemorrhage TGLS = 1-13,2-3+13.] [Hyperplasia TGLS = 1-13] [Infiltration Cellular TGLS = 1-13]			
* Testes	Interstit Cell	Hyperplasia	Minimal
PRIMARY CAUSE OF DEATH -			

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05135-05
Test Type: SIX MONTH EXPOS.
Route: RESPIRATORY EXPOSURE WHOLE BODY
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Isoprene
CAS Number: 78-79-5

Date Report Requested: 10/16/2014
Time Report Requested: 02:39:35
First Dose M/F: NA / NA
Lab: BNW

ANIMAL ID: 813	TRT#: 5	SEX: Male	DAY ON TEST: 366
	DOSE: 2200 PPM	DISP: Terminal Sacrifice	HISTO: 19303

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Lung

OBSERVATIONS

* Liver		Fibrosis	Focal, Minimal
Note: TGL 1 = NCL			
Note: Cholangiofibrosis.			
* Testes	Interstit Cell	Adenoma	
	Interstit Cell	Hyperplasia	Marked

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05135-05
Test Type: SIX MONTH EXPOS.
Route: RESPIRATORY EXPOSURE WHOLE BODY
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Isoprene
CAS Number: 78-79-5

Date Report Requested: 10/16/2014
Time Report Requested: 02:39:35
First Dose M/F: NA / NA
Lab: BNW

ANIMAL ID: 814	TRT#: 5 DOSE: 2200 PPM	SEX: Male DISP: Terminal Sacrifice	DAY ON TEST: 366 HISTO: 19304
OBSERVATIONS			
* Lung Note: Hemorrhage is subpleural. [Hemorrhage TGLS = 1-3]		Hemorrhage	Multifocal, Minimal
* Testes	Interstit Cell	Hyperplasia	Minimal
PRIMARY CAUSE OF DEATH			
-			

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05135-05
Test Type: SIX MONTH EXPOS.
Route: RESPIRATORY EXPOSURE WHOLE BODY
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Isoprene
CAS Number: 78-79-5

Date Report Requested: 10/16/2014
Time Report Requested: 02:39:35
First Dose M/F: NA / NA
Lab: BNW

ANIMAL ID: 815	TRT#: 5 DOSE: 2200 PPM	SEX: Male DISP: Terminal Sacrifice	DAY ON TEST: 366 HISTO: 19305
OBSERVATIONS			
* Kidney Note: TGL 2 = NCL	Bilateral	Nephropathy	Chronic, Minimal
* Liver [Hepatodiaphragmatic Nodule TGLS = 1-13]		Hepatodiaphragmatic Nodule	
* Lung Note: Hemorrhage is subpleural. [Hemorrhage TGLS = 3-3]		Hemorrhage	Multifocal, Mild
* Pituitary Gland [Hyperplasia TGLS = 4-8]		Hyperplasia	Marked
* Testes	Interstit Cell	Hyperplasia	Moderate
<hr/> PRIMARY CAUSE OF DEATH			
-			

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05135-05
Test Type: SIX MONTH EXPOS.
Route: RESPIRATORY EXPOSURE WHOLE BODY
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Isoprene
CAS Number: 78-79-5

Date Report Requested: 10/16/2014
Time Report Requested: 02:39:35
First Dose M/F: NA / NA
Lab: BNW

ANIMAL ID: 816

TRT#: 5

SEX: Male

DAY ON TEST: 366

DOSE: 2200 PPM

DISP: Terminal Sacrifice

HISTO: 19306

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Lung

OBSERVATIONS

* Pituitary Gland

Adenoma

Note: -B-Adenoma

[Adenoma TGLS = 1,2-8.]

* Testes

Interstit Cell

Hyperplasia

Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05135-05

Test Type: SIX MONTH EXPOS.

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Isoprene

CAS Number: 78-79-5

Date Report Requested: 10/16/2014

Time Report Requested: 02:39:35

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 817

TRT#: 5

SEX: Male

DAY ON TEST: 186

DOSE: 2200 PPM

DISP: Scheduled Sacrifice

HISTO: 19307

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Blood Vessel	* Bone
* Bone Marrow	* 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	* Kidney	* Larynx	* Liver
* Lymph Node, Bronchial	* Lymph Node, Mandibular	* Lymph Node, Mediastinal	* Lymph Node, Mesenteric
* Mammary Gland	* Nose	* Pancreas	* Parathyroid Gland
* Peripheral Nerve	* Pharynx	* Pituitary Gland	* Preputial Gland
* Prostate	* Salivary Glands	* Seminal Vesicle	* Skin
* Spinal Cord	* Spleen	* Stomach, Forestomach	* Stomach, Glandular
* Testes	* Thymus	* Thyroid Gland	* Trachea
* Urinary Bladder			

OBSERVATIONS

* Blood Vessel Note: Aorta is normal.			
* Lung Note: Hemorrhage is subpleural. [Hemorrhage TGLS = 1-3]	Hemorrhage		Mild
* Lym Node Bron Note: Tracheobronchial lymph node is node.			
* Perph Nerve Note: Sciatic nerve is normal.			

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05135-05
Test Type: SIX MONTH EXPOS.
Route: RESPIRATORY EXPOSURE WHOLE BODY
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Isoprene
CAS Number: 78-79-5

Date Report Requested: 10/16/2014
Time Report Requested: 02:39:35
First Dose M/F: NA / NA
Lab: BNW

ANIMAL ID: 818

TRT#: 5
DOSE: 2200 PPM

SEX: Male
DISP: Terminal Sacrifice

DAY ON TEST: 366
HISTO: 19308

OBSERVATIONS

* Liver

Note: TGL 1 = NCL

* Lung

Note: Hemorrhage is subpleural.

[Hemorrhage TGLS = 2-3]

* Testes

Perivascular
Alveolus

Hemorrhage
Hyperplasia
Infiltration Cellular

Multifocal, Minimal
Lymphoid, Multifocal, Minimal
Histiocyte, Multifocal, Minimal

Interstit Cell

Hyperplasia

Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05135-05
Test Type: SIX MONTH EXPOS.
Route: RESPIRATORY EXPOSURE WHOLE BODY
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Isoprene
CAS Number: 78-79-5

Date Report Requested: 10/16/2014
Time Report Requested: 02:39:35
First Dose M/F: NA / NA
Lab: BNW

ANIMAL ID: 819

TRT#: 5

SEX: Male

DAY ON TEST: 366

DOSE: 2200 PPM

DISP: Terminal Sacrifice

HISTO: 19309

OBSERVATIONS

* Liver

Fibrosis
Hepatodiaphragmatic Nodule

Minimal

Note: Cholangiofibrosis.

[Hepatodiaphragmatic Nodule TGLS = 1-13]

* Lung

Perivascular
Alveolus

Hemorrhage
Hyperplasia
Infiltration Cellular

Multifocal, Minimal
Lymphoid, Focal, Minimal
Histiocyte, Multifocal, Minimal

Note: Hemorrhage is subpleural.

[Hemorrhage TGLS = 2-3]

* Testes

Interstit Cell
Interstit Cell

Adenoma
Hyperplasia

Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05135-05

Test Type: SIX MONTH EXPOS.

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Isoprene

CAS Number: 78-79-5

Date Report Requested: 10/16/2014

Time Report Requested: 02:39:35

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 820

TRT#: 5

SEX: Male

DAY ON TEST: 366

DOSE: 2200 PPM

DISP: Terminal Sacrifice

HISTO: 19310

OBSERVATIONS

* Kidney	Bilateral	Nephropathy	Chronic, Mild
Note: It is doubtful if the chronic nephropathy observed microscopically corresponded to the dark mottling observed grossly.			
Note: TGL 2 = NCL.			
* Liver		Hepatodiaphragmatic Nodule	
[Hepatodiaphragmatic Nodule TGLS = 1-13]			
* Lung	Alveolar Epith	Hyperplasia	Multifocal, Mild
	Peribronchial	Hyperplasia	Lymphoid, Multifocal, Mild
	Perivascular	Hyperplasia	Lymphoid, Multifocal, Moderate
	Alveolus	Infiltration Cellular	Histiocyte, Multifocal, Mild
Note: Hyperplasia, Alveolar Epithelium = Type 2 Cell.			
* Testes	Interstit Cell	Adenoma	
	Interstit Cell	Hyperplasia	Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05135-05
Test Type: SIX MONTH EXPOS.
Route: RESPIRATORY EXPOSURE WHOLE BODY
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Isoprene
CAS Number: 78-79-5

Date Report Requested: 10/16/2014
Time Report Requested: 02:39:35
First Dose M/F: NA / NA
Lab: BNW

ANIMAL ID: 821

TRT#: 5

SEX: Male

DAY ON TEST: 366

DOSE: 2200 PPM

DISP: Terminal Sacrifice

HISTO: 19311

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Lung

OBSERVATIONS

* Testes

Interstit Cell

Hyperplasia

Moderate

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05135-05
Test Type: SIX MONTH EXPOS.
Route: RESPIRATORY EXPOSURE WHOLE BODY
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Isoprene
CAS Number: 78-79-5

Date Report Requested: 10/16/2014
Time Report Requested: 02:39:35
First Dose M/F: NA / NA
Lab: BNW

ANIMAL ID: 822

TRT#: 5

SEX: Male

DAY ON TEST: 366

DOSE: 2200 PPM

DISP: Terminal Sacrifice

HISTO: 19312

OBSERVATIONS

* Liver
[Fatty Change TGLS = 1-13]

Fatty Change

Focal, Minimal

* Lung
Note: Hemorrhage is subpleural.
[Hemorrhage TGLS = 2-3]

Perivascular

Hemorrhage
Hyperplasia

Multifocal, Minimal
Lymphoid, Multifocal, Minimal

* Testes
Interstitial Cell

Hyperplasia

Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05135-05
Test Type: SIX MONTH EXPOS.
Route: RESPIRATORY EXPOSURE WHOLE BODY
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Isoprene
CAS Number: 78-79-5

Date Report Requested: 10/16/2014
Time Report Requested: 02:39:35
First Dose M/F: NA / NA
Lab: BNW

ANIMAL ID: 823

TRT#: 5

SEX: Male

DAY ON TEST: 366

DOSE: 2200 PPM

DISP: Terminal Sacrifice

HISTO: 19313

OBSERVATIONS

* Lung

Alveolar Epith
Peribronchial
Perivascular
Alveolus

Hemorrhage
Hyperplasia
Hyperplasia
Hyperplasia
Infiltration Cellular

Multifocal, Minimal
Multifocal, Mild
Lymphoid, Multifocal, Minimal
Lymphoid, Multifocal, Moderate
Histiocyte, Multifocal, Mild

Note: Hemorrhage is subpleural.

Note: Hyperplasia, alveolar epithelium is a type 2 cell.

[Hemorrhage TGLS = 1-3]

Mesentery

Note: Fat Necrosis.

[Necrosis TGLS = 2-13+14]

Necrosis

* Testes

Interstit Cell

Hyperplasia

Moderate

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05135-05
Test Type: SIX MONTH EXPOS.
Route: RESPIRATORY EXPOSURE WHOLE BODY
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Isoprene
CAS Number: 78-79-5

Date Report Requested: 10/16/2014
Time Report Requested: 02:39:35
First Dose M/F: NA / NA
Lab: BNW

ANIMAL ID: 824

TRT#: 5

SEX: Male

DAY ON TEST: 366

DOSE: 2200 PPM

DISP: Terminal Sacrifice

HISTO: 19314

OBSERVATIONS

* Lung

Note: Hemorrhage is subpleural.

[Hemorrhage TGLS = 1-3]

Hemorrhage

Multifocal, Mild

* Testes

Interstitial Cell

Hyperplasia

Moderate

* Urinary Bladder

[Calculus Micro Observation Only TGLS = 2-8]

Calculus Micro Observation Only

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05135-05
Test Type: SIX MONTH EXPOS.
Route: RESPIRATORY EXPOSURE WHOLE BODY
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Isoprene
CAS Number: 78-79-5

Date Report Requested: 10/16/2014
Time Report Requested: 02:39:35
First Dose M/F: NA / NA
Lab: BNW

ANIMAL ID: 825

TRT#: 5

SEX: Male

DAY ON TEST: 366

DOSE: 2200 PPM

DISP: Terminal Sacrifice

HISTO: 19315

OBSERVATIONS

* Liver
[Hepatodiaphragmatic Nodule TGLS = 2-14]
Hepatodiaphragmatic Nodule

* Lung
Alveolar Epith
Peribronchial
Perivascular
Alveolus
Hemorrhage
Hyperplasia
Hyperplasia
Hyperplasia
Infiltration Cellular
Multifocal, Minimal
Multifocal, Minimal
Lymphoid, Multifocal, Mild
Lymphoid, Multifocal, Mild
Histiocyte, Multifocal, Mild

Note: Hyperplasia, alveolar epithelium is a type 2 cell.

Note: Hemorrhage is subpleural.

[Hemorrhage TGLS = 3-3]

* Lymph Node, Bronchial
Note: Hyperplasia is reactive in Tracheobronchial lymph node.
Hyperplasia

* Pituitary Gland
Note: -B-Adenoma
[Adenoma TGLS = 4-8]
Adenoma

* Spleen
Note: Ectopic Splenic Tissue
[Accessory Spleen TGLS = 1-13]
Accessory Spleen

* Testes
Interstitial Cell
Hyperplasia
Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05135-05
Test Type: SIX MONTH EXPOS.
Route: RESPIRATORY EXPOSURE WHOLE BODY
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Isoprene
CAS Number: 78-79-5

Date Report Requested: 10/16/2014
Time Report Requested: 02:39:35
First Dose M/F: NA / NA
Lab: BNW

ANIMAL ID: 826

TRT#: 5

SEX: Male

DAY ON TEST: 366

DOSE: 2200 PPM

DISP: Terminal Sacrifice

HISTO: 19316

OBSERVATIONS

* Lung

Hemorrhage

Multifocal, Mild

Note: Hemorrhage is subpleural.

[Hemorrhage TGLS = 1-3]

* Testes

Interstit Cell

Hyperplasia

Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05135-05
Test Type: SIX MONTH EXPOS.
Route: RESPIRATORY EXPOSURE WHOLE BODY
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Isoprene
CAS Number: 78-79-5

Date Report Requested: 10/16/2014
Time Report Requested: 02:39:35
First Dose M/F: NA / NA
Lab: BNW

ANIMAL ID: 827

TRT#: 5

SEX: Male

DAY ON TEST: 366

DOSE: 2200 PPM

DISP: Terminal Sacrifice

HISTO: 19317

OBSERVATIONS

* Lung

Alveolar Epith
Perivascular
Alveolus

Hemorrhage
Hyperplasia
Hyperplasia
Infiltration Cellular

Multifocal, Minimal
Multifocal, Mild
Lymphoid, Multifocal, Mild
Histiocyte, Multifocal, Mild

Note: Hemorrhage is subpleural.

Note: Hyperplasia, alveolar epithelium is a type 2 cell.

[Hemorrhage TGLS = 1-3]

* Spleen

Note: Ectopic Splenic Tissue.

[Accessory Spleen TGLS = 2-13]

Accessory Spleen

* Testes

Interstit Cell

Hyperplasia

Moderate

* Urinary Bladder

Calculus Micro Observation Only

[Calculus Micro Observation Only TGLS = 3-8]

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05135-05
Test Type: SIX MONTH EXPOS.
Route: RESPIRATORY EXPOSURE WHOLE BODY
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Isoprene
CAS Number: 78-79-5

Date Report Requested: 10/16/2014
Time Report Requested: 02:39:35
First Dose M/F: NA / NA
Lab: BNW

ANIMAL ID: 828

TRT#: 5

SEX: Male

DAY ON TEST: 186

DOSE: 2200 PPM

DISP: Scheduled Sacrifice

HISTO: 19318

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Blood Vessel	* Bone
* Bone Marrow	* 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	* Kidney	* Larynx	* Liver
* Lymph Node, Bronchial	* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Mammary Gland
* Nose	* Pancreas	* Parathyroid Gland	* Peripheral Nerve
* Pharynx	* Pituitary Gland	* Preputial Gland	* Prostate
* Salivary Glands	* Seminal Vesicle	* Skin	* Spinal Cord
* Spleen	* Stomach, Forestomach	* Stomach, Glandular	* Testes
* Thymus	* Thyroid Gland	* Trachea	* Urinary Bladder

OBSERVATIONS

* Blood Vessel Note: Aorta is normal.			
* Lung Note: Hemorrhage is subpleural. [Hemorrhage TGLS = 2-3]		Hemorrhage	Minimal
* Lym Node Bron Note: Tracheobronchial lymph node is normal.			
* Lymph Node, Mediastinal Note: Red blood cells present in cortical and/or medullary sinuses. [Congestion TGLS = 1-2]		Congestion	
* Perph Nerve Note: Sciatic nerve is normal.			

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05135-05
Test Type: SIX MONTH EXPOS.
Route: RESPIRATORY EXPOSURE WHOLE BODY
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Isoprene
CAS Number: 78-79-5

Date Report Requested: 10/16/2014
Time Report Requested: 02:39:35
First Dose M/F: NA / NA
Lab: BNW

ANIMAL ID: 830

TRT#: 5

SEX: Male

DAY ON TEST: 366

DOSE: 2200 PPM

DISP: Terminal Sacrifice

HISTO: 19320

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Urinary Bladder

OBSERVATIONS

* Lung

Perivascular

Hemorrhage

Multifocal, Minimal

Hyperplasia

Lymphoid, Multifocal, Minimal

Note: Hemorrhage is subpleural.

[Hemorrhage TGLS = 1-3]

Mesentery

Necrosis

Note: Fat necrosis.

[Necrosis TGLS = 2-13]

* Testes

Interstit Cell

Hyperplasia

Minimal

* Urin Bladder

Note: TGL 3 = NCL.

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05135-05

Test Type: SIX MONTH EXPOS.

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Isoprene

CAS Number: 78-79-5

Date Report Requested: 10/16/2014

Time Report Requested: 02:39:35

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 831

TRT#: 5

SEX: Male

DAY ON TEST: 186

DOSE: 2200 PPM

DISP: Scheduled Sacrifice

HISTO: 19321

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- | | | | |
|---------------------------|-----------------------------|--------------------------|----------------------------|
| * Adrenal Cortex | * Adrenal Medulla | * Blood Vessel | * Bone |
| * Bone Marrow | * 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 | * Kidney | * Larynx | * Lymph Node, Bronchial |
| * Lymph Node, Mandibular | * Lymph Node, Mediastinal | * Lymph Node, Mesenteric | * Mammary Gland |
| * Nose | * Pancreas | * Parathyroid Gland | * Peripheral Nerve |
| * Pharynx | * Pituitary Gland | * Preputial Gland | * Prostate |
| * Salivary Glands | * Seminal Vesicle | * Skin | * Spinal Cord |
| * Spleen | * Stomach, Forestomach | * Stomach, Glandular | * Testes |
| * Thymus | * Thyroid Gland | * Trachea | * Urinary Bladder |

OBSERVATIONS

- * Blood Vessel
Note: Aorta is normal.
- * Liver
[Hepatodiaphragmatic Nodule TGLS = 1-13]
Hepatodiaphragmatic Nodule
- * Lung
Note: Hemorrhage is subpleural.
[Hemorrhage TGLS = 2-3]
Hemorrhage Mild
- * Lym Node Bron
Note: Tracheobronchial lymph node is normal.
- * Perph Nerve
Note: Sciatic nerve is normal.

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05135-05

Test Type: SIX MONTH EXPOS.

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Isoprene

CAS Number: 78-79-5

Date Report Requested: 10/16/2014

Time Report Requested: 02:39:35

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 832

TRT#: 5

DOSE: 2200 PPM

SEX: Male

DISP: Scheduled Sacrifice

DAY ON TEST: 186

HISTO: 19322

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Blood Vessel	* Bone
* Bone Marrow	* 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	* Kidney	* Larynx	* Liver
* Lymph Node, Bronchial	* Lymph Node, Mandibular	* Lymph Node, Mediastinal	* Lymph Node, Mesenteric
* Mammary Gland	* Nose	* Pancreas	* Parathyroid Gland
* Peripheral Nerve	* Pharynx	* Pituitary Gland	* Preputial Gland
* Prostate	* Salivary Glands	* Seminal Vesicle	* Skin
* Spinal Cord	* Spleen	* Stomach, Forestomach	* Stomach, Glandular
* Testes	* Thymus	* Thyroid Gland	* Trachea
* Urinary Bladder			

OBSERVATIONS

* Blood Vessel Note: Aorta is normal.			
* Lung Note: Hemorrhage is subpleural. [Hemorrhage TGLS = 1-3]	Hemorrhage		Minimal
* Lym Node Bron Note: Tracheobronchial lymph node is normal.			
* Perph Nerve Note: Sciatic nerve is normal.			

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05135-05
Test Type: SIX MONTH EXPOS.
Route: RESPIRATORY EXPOSURE WHOLE BODY
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Isoprene
CAS Number: 78-79-5

Date Report Requested: 10/16/2014
Time Report Requested: 02:39:35
First Dose M/F: NA / NA
Lab: BNW

ANIMAL ID: 833

TRT#: 5

SEX: Male

DAY ON TEST: 366

DOSE: 2200 PPM

DISP: Terminal Sacrifice

HISTO: 19323

OBSERVATIONS

* Epididymis		Mesothelioma Nos	
Note: -M-Mesothelioma			
Note: The mesothelioma was not recorded as a gross observation.			
Note: The Mesothelioma involving the serosal surface of the epididymis adjacent to the right testis was detected when the right testis was examined for TGL 3.			
[Mesothelioma Nos TGLS = 1-3]			
* Eye		Cataract	
	Retina	Degeneration	Marked
[Cataract TGLS = 1-13]			
[Degeneration TGLS = 1-13]			
* Lung		Hemorrhage	Multifocal, Minimal
	Perivascular	Hyperplasia	Lymphoid, Focal, Minimal
	Alveolus	Infiltration Cellular	Histiocyte, Multifocal, Minimal
Note: Hemorrhage is subpleural.			
[Hemorrhage TGLS = 2-3]			
* Testes		Adenoma	
	Interstit Cell	Hyperplasia	Mild
	Interstit Cell		
Note: -B-Adenoma			
[Adenoma TGLS = 3-7]			
* Urinary Bladder		Calculus Micro Observation Only	
[Calculus Micro Observation Only TGLS = 4-8]			

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05135-05
Test Type: SIX MONTH EXPOS.
Route: RESPIRATORY EXPOSURE WHOLE BODY
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Isoprene
CAS Number: 78-79-5

Date Report Requested: 10/16/2014
Time Report Requested: 02:39:35
First Dose M/F: NA / NA
Lab: BNW

ANIMAL ID: 834

TRT#: 5

SEX: Male

DAY ON TEST: 366

DOSE: 2200 PPM

DISP: Terminal Sacrifice

HISTO: 19324

OBSERVATIONS

* Lung

Hemorrhage

Multifocal, Minimal

Note: Hemorrhage is subpleural.

[Hemorrhage TGLS = 1-3]

* Testes

Interstitial Cell

Hyperplasia

Minimal

* Urinary Bladder

Calculus Micro Observation Only

[Calculus Micro Observation Only TGLS = 2-8]

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05135-05
Test Type: SIX MONTH EXPOS.
Route: RESPIRATORY EXPOSURE WHOLE BODY
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Isoprene
CAS Number: 78-79-5

Date Report Requested: 10/16/2014
Time Report Requested: 02:39:35
First Dose M/F: NA / NA
Lab: BNW

ANIMAL ID: 835

TRT#: 5

SEX: Male

DAY ON TEST: 186

DOSE: 2200 PPM

DISP: Scheduled Sacrifice

HISTO: 19325

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Blood Vessel	* Bone
* Bone Marrow	* 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	* Kidney	* Larynx	* Liver
* Lymph Node, Bronchial	* Lymph Node, Mandibular	* Lymph Node, Mediastinal	* Lymph Node, Mesenteric
* Mammary Gland	* Nose	* Pancreas	* Parathyroid Gland
* Peripheral Nerve	* Pharynx	* Pituitary Gland	* Preputial Gland
* Prostate	* Salivary Glands	* Seminal Vesicle	* Skin
* Spinal Cord	* Spleen	* Stomach, Forestomach	* Stomach, Glandular
* Testes	* Thymus	* Thyroid Gland	* Trachea
* Urinary Bladder			

OBSERVATIONS

* Blood Vessel Note: Aorta is normal.			
* Lung Note: Hemorrhage is subpleural. [Hemorrhage TGLS = 1-3]	Hemorrhage		Mild
* Lym Node Bron Note: Tracheobronchial lymph node is normal.			
* Perph Nerve Note: Sciatic nerve is normal.			

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05135-05
Test Type: SIX MONTH EXPOS.
Route: RESPIRATORY EXPOSURE WHOLE BODY
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Isoprene
CAS Number: 78-79-5

Date Report Requested: 10/16/2014
Time Report Requested: 02:39:35
First Dose M/F: NA / NA
Lab: BNW

ANIMAL ID: 836

TRT#: 5

SEX: Male

DAY ON TEST: 366

DOSE: 2200 PPM

DISP: Terminal Sacrifice

HISTO: 19326

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Urinary Bladder

OBSERVATIONS

* Lung

Alveolar Epith
Alveolus

Hemorrhage
Hyperplasia
Infiltration Cellular

Multifocal, Minimal
Multifocal, Minimal
Histiocyte, Multifocal, Minimal

Note: Hyperplasia, alveolar epithelium is a type 2 cell.

Note: Hemorrhage is subpleural.

[Hemorrhage TGLS = 2-3]

* Testes

Interstit Cell

Hyperplasia

Minimal

* Urin Bladder

Note: TGL 1 = NCL

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05135-05
Test Type: SIX MONTH EXPOS.
Route: RESPIRATORY EXPOSURE WHOLE BODY
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Isoprene
CAS Number: 78-79-5

Date Report Requested: 10/16/2014
Time Report Requested: 02:39:35
First Dose M/F: NA / NA
Lab: BNW

ANIMAL ID: 837

TRT#: 5
DOSE: 2200 PPM

SEX: Male
DISP: Terminal Sacrifice

DAY ON TEST: 366
HISTO: 19327

OBSERVATIONS

* Lung	Alveolus	Infiltration Cellular	Histiocyte, Multifocal, Minimal
* Testes	Interstit Cell	Hyperplasia	Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05135-05
Test Type: SIX MONTH EXPOS.
Route: RESPIRATORY EXPOSURE WHOLE BODY
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Isoprene
CAS Number: 78-79-5

Date Report Requested: 10/16/2014
Time Report Requested: 02:39:35
First Dose M/F: NA / NA
Lab: BNW

ANIMAL ID: 838

TRT#: 5

SEX: Male

DAY ON TEST: 366

DOSE: 2200 PPM

DISP: Terminal Sacrifice

HISTO: 19328

OBSERVATIONS

* Lung

Alveolar Epith
Perivascular
Alveolus

Hemorrhage
Hyperplasia
Hyperplasia
Infiltration Cellular

Multifocal, Mild
Multifocal, Mild
Lymphoid, Multifocal, Moderate
Histiocyte, Multifocal, Mild

Note: Hyperplasia, alveolar epithelium is a type 2 cell.

Note: Hemorrhage is subpleural.

[Hemorrhage TGLS = 1-3]

* Testes

Interstit Cell
Interstit Cell

Adenoma
Hyperplasia

Marked

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05135-05
Test Type: SIX MONTH EXPOS.
Route: RESPIRATORY EXPOSURE WHOLE BODY
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Isoprene
CAS Number: 78-79-5

Date Report Requested: 10/16/2014
Time Report Requested: 02:39:35
First Dose M/F: NA / NA
Lab: BNW

ANIMAL ID: 839

TRT#: 5

SEX: Male

DAY ON TEST: 366

DOSE: 2200 PPM

DISP: Terminal Sacrifice

HISTO: 19329

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Lung

OBSERVATIONS

* Testes

Interstit Cell

Adenoma

Interstit Cell

Hyperplasia

Mild

Note: -B-Adenoma

[Adenoma TGLS = 1-7]

* Urinary Bladder

Calculus Micro Observation Only

[Calculus Micro Observation Only TGLS = 2-8]

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05135-05

Test Type: SIX MONTH EXPOS.

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Isoprene

CAS Number: 78-79-5

Date Report Requested: 10/16/2014

Time Report Requested: 02:39:35

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 840

TRT#: 5

SEX: Male

DAY ON TEST: 186

DOSE: 2200 PPM

DISP: Scheduled Sacrifice

HISTO: 19330

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Blood Vessel	* Bone
* Bone Marrow	* 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	* Kidney	* Larynx	* Lymph Node, Bronchial
* Lymph Node, Mandibular	* Lymph Node, Mediastinal	* Lymph Node, Mesenteric	* Mammary Gland
* Nose	* Pancreas	* Parathyroid Gland	* Peripheral Nerve
* Pharynx	* Pituitary Gland	* Preputial Gland	* Prostate
* Salivary Glands	* Seminal Vesicle	* Skin	* Spinal Cord
* Spleen	* Stomach, Forestomach	* Stomach, Glandular	* Testes
* Thymus	* Thyroid Gland	* Trachea	* Urinary Bladder

OBSERVATIONS

* Blood Vessel
Note: Aorta is normal.

* Liver
[Hepatodiaphragmatic Nodule TGLS = 1-13]
Hepatodiaphragmatic Nodule

* Lung
Perivascular
Hemorrhage
Hyperplasia
Mild
Lymphoid, Multifocal, Minimal

Note: Hemorrhage is subpleural.
[Hemorrhage TGLS = 2-3]

* Lym Node Bron
Note: Tracheobronchial lymph node is normal.

* Perph Nerve
Note: Sciatic nerve is normal.

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05135-05

Test Type: SIX MONTH EXPOS.

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Isoprene

CAS Number: 78-79-5

Date Report Requested: 10/16/2014

Time Report Requested: 02:39:35

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 841

TRT#: 5

SEX: Male

DAY ON TEST: 186

DOSE: 2200 PPM

DISP: Scheduled Sacrifice

HISTO: 19331

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- | | | | |
|---------------------------|-----------------------------|---------------------------|----------------------------|
| * Adrenal Cortex | * Adrenal Medulla | * Blood Vessel | * Bone |
| * Bone Marrow | * 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 | * Kidney | * Larynx | * Liver |
| * Lymph Node, Bronchial | * Lymph Node, Mandibular | * Lymph Node, Mediastinal | * Lymph Node, Mesenteric |
| * Mammary Gland | * Nose | * Pancreas | * Parathyroid Gland |
| * Peripheral Nerve | * Pharynx | * Pituitary Gland | * Preputial Gland |
| * Prostate | * Salivary Glands | * Seminal Vesicle | * Skin |
| * Spinal Cord | * Spleen | * Stomach, Forestomach | * Stomach, Glandular |
| * Thymus | * Thyroid Gland | * Trachea | * Urinary Bladder |

OBSERVATIONS

- | | | | |
|--|----------------|-------------|---------|
| * Blood Vessel
Note: Aorta is normal. | | | |
| * Lung
Note: Hemorrhage is subpleural.
[Hemorrhage TGLS = 1-3] | | Hemorrhage | Mild |
| * Lym Node Bron
Note: Tracheobronchial lymph node is normal. | | | |
| * Perph Nerve
Note: Sciatic nerve is normal. | | | |
| * Testes | Interstit Cell | Hyperplasia | Minimal |

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05135-05
Test Type: SIX MONTH EXPOS.
Route: RESPIRATORY EXPOSURE WHOLE BODY
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Isoprene
CAS Number: 78-79-5

Date Report Requested: 10/16/2014
Time Report Requested: 02:39:35
First Dose M/F: NA / NA
Lab: BNW

ANIMAL ID: 842

TRT#: 5

SEX: Male

DAY ON TEST: 366

DOSE: 2200 PPM

DISP: Terminal Sacrifice

HISTO: 19332

OBSERVATIONS

* Kidney Note: TGL 2-5 = NCL	Bilateral	Nephropathy	Chronic, Minimal
* Lung Note: Hemorrhage is subpleural. [Hemorrhage TGLS = 3-3]		Hemorrhage	Multifocal, Minimal
* Pituitary Gland Note: -B-Adenoma [Adenoma TGLS = 1-8]		Adenoma	

PRIMARY CAUSE OF DEATH

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05135-05

Test Type: SIX MONTH EXPOS.

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Isoprene

CAS Number: 78-79-5

Date Report Requested: 10/16/2014

Time Report Requested: 02:39:35

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 843

TRT#: 5

SEX: Male

DAY ON TEST: 186

DOSE: 2200 PPM

DISP: Scheduled Sacrifice

HISTO: 19333

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Blood Vessel	* Bone
* Bone Marrow	* 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	* Kidney	* Larynx	* Liver
* Lymph Node, Bronchial	* Lymph Node, Mandibular	* Lymph Node, Mediastinal	* Lymph Node, Mesenteric
* Mammary Gland	* Nose	* Pancreas	* Parathyroid Gland
* Peripheral Nerve	* Pharynx	* Pituitary Gland	* Preputial Gland
* Prostate	* Salivary Glands	* Seminal Vesicle	* Skin
* Spinal Cord	* Spleen	* Stomach, Forestomach	* Stomach, Glandular
* Thymus	* Thyroid Gland	* Trachea	* Urinary Bladder

OBSERVATIONS

* Blood Vessel			
Note: Aorta is normal.			
* Lung	Perivascular	Hemorrhage Hyperplasia	Mild Lymphoid, Multifocal, Minimal
Note: Hemorrhage is subpleural [Hemorrhage TGLS = 1-3]			
* Lym Node Bron			
Note: Tracheobronchial lymph node is normal.			
* Perph Nerve			
Note: Sciatic nerve is normal.			
* Testes	Interstit Cell	Hyperplasia	Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05135-05
Test Type: SIX MONTH EXPOS.
Route: RESPIRATORY EXPOSURE WHOLE BODY
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Isoprene
CAS Number: 78-79-5

Date Report Requested: 10/16/2014
Time Report Requested: 02:39:35
First Dose M/F: NA / NA
Lab: BNW

ANIMAL ID: 844

TRT#: 5

SEX: Male

DAY ON TEST: 366

DOSE: 2200 PPM

DISP: Terminal Sacrifice

HISTO: 19334

OBSERVATIONS

* Kidney
Note: TGL 1 = NCL

Bilateral

Nephropathy

Chronic, Minimal

* Lung

Alveolar Epith
Perivascular
Alveolus

Hemorrhage
Hyperplasia
Hyperplasia
Infiltration Cellular

Multifocal, Minimal
Multifocal, Minimal
Lymphoid, Multifocal, Mild
Histiocyte, Multifocal, Mild

Note: Hyperplasia, alveolar epithelium is a type 2 cell.

Note: Hemorrhage is subpleural.

[Hemorrhage TGLS = 2-3]

* Testes

Interstit Cell

Hyperplasia

Moderate

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05135-05

Test Type: SIX MONTH EXPOS.

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Isoprene

CAS Number: 78-79-5

Date Report Requested: 10/16/2014

Time Report Requested: 02:39:35

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 845

TRT#: 5

SEX: Male

DAY ON TEST: 186

DOSE: 2200 PPM

DISP: Scheduled Sacrifice

HISTO: 19335

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Blood Vessel	* Bone
* Bone Marrow	* 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	* Kidney	* Larynx	* Liver
* Lymph Node, Bronchial	* Lymph Node, Mandibular	* Lymph Node, Mediastinal	* Lymph Node, Mesenteric
* Mammary Gland	* Nose	* Pancreas	* Parathyroid Gland
* Peripheral Nerve	* Pharynx	* Pituitary Gland	* Preputial Gland
* Prostate	* Salivary Glands	* Seminal Vesicle	* Skin
* Spinal Cord	* Spleen	* Stomach, Forestomach	* Stomach, Glandular
* Testes	* Thymus	* Thyroid Gland	* Trachea
* Urinary Bladder			

OBSERVATIONS

* Blood Vessel Note: Aorta is normal.			
* Lung Note: Hemorrhage is subpleural. [Hemorrhage TGLS = 1-3]	Perivascular	Hemorrhage Hyperplasia	Mild Lymphoid, Multifocal, Minimal
* Lym Node Bron Note: Tracheobronchial lymph node is normal.			
* Perph Nerve Note: Sciatic nerve is normal.			

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05135-05
Test Type: SIX MONTH EXPOS.
Route: RESPIRATORY EXPOSURE WHOLE BODY
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Isoprene
CAS Number: 78-79-5

Date Report Requested: 10/16/2014
Time Report Requested: 02:39:35
First Dose M/F: NA / NA
Lab: BNW

ANIMAL ID: 846	TRT#: 5 DOSE: 2200 PPM	SEX: Male DISP: Terminal Sacrifice	DAY ON TEST: 366 HISTO: 19336
-----------------------	---	---	--

OBSERVATIONS

* Brain Note: TGL 2 = NCL			
* Lung Note: Hemorrhage is subpleural. [Hemorrhage TGLS = 1-3]		Hemorrhage	Multifocal, Minimal
* Testes	Interstit Cell Interstit Cell	Adenoma Hyperplasia	Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05135-05
Test Type: SIX MONTH EXPOS.
Route: RESPIRATORY EXPOSURE WHOLE BODY
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Isoprene
CAS Number: 78-79-5

Date Report Requested: 10/16/2014
Time Report Requested: 02:39:35
First Dose M/F: NA / NA
Lab: BNW

ANIMAL ID: 847	TRT#: 5 DOSE: 2200 PPM	SEX: Male DISP: Terminal Sacrifice	DAY ON TEST: 366 HISTO: 19337
-----------------------	---	---	--

OBSERVATIONS

* Liver		Hepatodiaphragmatic Nodule	
Note: Masses on both the left and median liver lobes are hepato-diaphragmatic nodules. [Hepatodiaphragmatic Nodule TGLS = 2,3-14+15]			
* Lung	Alveolar Epith Perivascular Alveolus	Hyperplasia Hyperplasia Infiltration Cellular	Multifocal, Mild Lymphoid, Multifocal, Mild Histiocyte, Multifocal, Mild
Note: Hyperplasia, Alveolar Epithelium = Type 2 Cell.			
* Spleen		Accessory Spleen	
Note: Developmental anomaly, Ectopic Splenic Tissue [Accessory Spleen TGLS = 1-13]			
* Testes	Interstit Cell	Hyperplasia	Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05135-05
Test Type: SIX MONTH EXPOS.
Route: RESPIRATORY EXPOSURE WHOLE BODY
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Isoprene
CAS Number: 78-79-5

Date Report Requested: 10/16/2014
Time Report Requested: 02:39:35
First Dose M/F: NA / NA
Lab: BNW

ANIMAL ID: 848

TRT#: 5

SEX: Male

DAY ON TEST: 366

DOSE: 2200 PPM

DISP: Terminal Sacrifice

HISTO: 19338

OBSERVATIONS

* Lung

Alveolus

Hemorrhage

Minimal

Hemorrhage

Multifocal, Minimal

Alveolar Epith

Hyperplasia

Multifocal, Mild

Perivascular

Hyperplasia

Lymphoid, Multifocal, Moderate

Alveolus

Infiltration Cellular

Histiocyte, Multifocal, Minimal

Note: Hemorrhage is subpleural.

Note: Hyperplasia, Alveolar Epithelium = Type 2 Cell.

[Hemorrhage TGLS = 1-3]

* Testes

Interstit Cell

Adenoma

Interstit Cell

Hyperplasia

Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05135-05

Test Type: SIX MONTH EXPOS.

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Isoprene

CAS Number: 78-79-5

Date Report Requested: 10/16/2014

Time Report Requested: 02:39:35

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 849

TRT#: 5

DOSE: 2200 PPM

SEX: Male

DISP: Scheduled Sacrifice

DAY ON TEST: 186

HISTO: 19339

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- | | | | |
|---------------------------|-----------------------------|--------------------------|----------------------------|
| * Adrenal Cortex | * Adrenal Medulla | * Blood Vessel | * Bone |
| * Bone Marrow | * 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 | * Kidney | * Larynx | * Lymph Node, Bronchial |
| * Lymph Node, Mandibular | * Lymph Node, Mediastinal | * Lymph Node, Mesenteric | * Mammary Gland |
| * Nose | * Pancreas | * Parathyroid Gland | * Peripheral Nerve |
| * Pharynx | * Pituitary Gland | * Preputial Gland | * Prostate |
| * Salivary Glands | * Seminal Vesicle | * Skin | * Spinal Cord |
| * Spleen | * Stomach, Forestomach | * Stomach, Glandular | * Thymus |
| * Thyroid Gland | * Trachea | * Urinary Bladder | |

OBSERVATIONS

- | | | | |
|--|----------------|----------------------------|---------|
| * Blood Vessel | | | |
| Note: Aorta is normal. | | | |
| * Liver | | Hepatodiaphragmatic Nodule | |
| [Hepatodiaphragmatic Nodule TGLS = 1-13] | | | |
| * Lung | | Hemorrhage | Mild |
| Note: Hemorrhage is subpleural. | | | |
| [Hemorrhage TGLS = 2-3] | | | |
| * Lym Node Bron | | | |
| Note: Tracheobronchial lymph node is normal. | | | |
| * Perph Nerve | | | |
| Note: Sciatic nerve is normal. | | | |
| * Testes | Interstit Cell | Hyperplasia | Minimal |

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05135-05
Test Type: SIX MONTH EXPOS.
Route: RESPIRATORY EXPOSURE WHOLE BODY
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Isoprene
CAS Number: 78-79-5

Date Report Requested: 10/16/2014
Time Report Requested: 02:39:35
First Dose M/F: NA / NA
Lab: BNW

ANIMAL ID: 850

TRT#: 5

SEX: Male

DAY ON TEST: 366

DOSE: 2200 PPM

DISP: Terminal Sacrifice

HISTO: 19340

OBSERVATIONS

* Lung

Alveolar Epith
Perivascular
Alveolus

Hemorrhage
Hyperplasia
Hyperplasia
Infiltration Cellular

Multifocal, Minimal
Focal, Mild
Lymphoid, Multifocal, Minimal
Histiocyte, Focal, Mild

Note: Hemorrhage is subpleural.

Note: TGL 1 = NCL

Note: Hyperplasia, aveolar epithelium is a type 2 cell.

* Testes

Interstit Cell

Hyperplasia

Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05135-05

Test Type: SIX MONTH EXPOS.

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Isoprene

CAS Number: 78-79-5

Date Report Requested: 10/16/2014

Time Report Requested: 02:39:35

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 1011

TRT#: 6

DOSE: 7000 PPM

SEX: Male

DISP: Terminal Sacrifice

DAY ON TEST: 366

HISTO: 19241

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Blood Vessel	* Bone
* Bone Marrow	* 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, Mandibular
* Lymph Node, Mesenteric	* Nose	* Pancreas	* Parathyroid Gland
* Peripheral Nerve	* Pharynx	* Preputial Gland	* Prostate
* Salivary Glands	* Seminal Vesicle	* Skin	* Spinal Cord
* Spleen	* Stomach, Forestomach	* Stomach, Glandular	* Thymus
* Thyroid Gland	* Trachea	* Urinary Bladder	

OBSERVATIONS

* Blood Vessel			
Note: Aorta is normal.			
* Kidney	Bilateral	Nephropathy	Chronic, Minimal
* Liver		Necrosis	Focal, Minimal
Note: Examination of original and recut sections did not reveal a microscopic lesion that would correlate with TGL 1.			
Note: TGL 1 = NCL			
* Lung	Alveolus	Hemorrhage	Minimal
		Hemorrhage	Multifocal, Mild
	Alveolar Epith	Hyperplasia	Focal, Minimal
	Perivascular	Hyperplasia	Lymphoid, Multifocal, Minimal
	Alveolus	Infiltration Cellular	Histiocyte, Focal, Minimal
Note: Hyperplasia, alveolar epithelium is a type 2 cell.			
Note: Type 2 hyperplasia and alveolar macrophage infiltrate are confined to one small area.			
Note: Hemorrhage, mild is subpleural.			
[Hemorrhage TGLS = 2-3]			
* Lym Node Bron			
Note: Tracheobronchial lymph node is normal.			
* Lymph Node, Mediastinal		Congestion	
Note: Red blood cells present in cortical and/or medullary sinuses.			

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05135-05
Test Type: SIX MONTH EXPOS.
Route: RESPIRATORY EXPOSURE WHOLE BODY
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Isoprene
CAS Number: 78-79-5

Date Report Requested: 10/16/2014
Time Report Requested: 02:39:35
First Dose M/F: NA / NA
Lab: BNW

ANIMAL ID: 1011	TRT#: 6 DOSE: 7000 PPM	SEX: Male DISP: Terminal Sacrifice	DAY ON TEST: 366 HISTO: 19241
------------------------	---	---	--

ORGAN AND ACCOUNTABLE SITE STATUS

* Mammary Gland Note: Hyperplasia, glandular		Hyperplasia	Minimal
* Perph Nerve Note: Sciatic nerve is normal.			
* Pituitary Gland		Hyperplasia	Minimal
* Testes	Interstit Cell Interstit Cell	Adenoma Hyperplasia	Marked

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05135-05

Test Type: SIX MONTH EXPOS.

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Isoprene

CAS Number: 78-79-5

Date Report Requested: 10/16/2014

Time Report Requested: 02:39:35

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 1012

TRT#: 6

SEX: Male

DAY ON TEST: 186

DOSE: 7000 PPM

DISP: Scheduled Sacrifice

HISTO: 19242

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Blood Vessel	* Bone
* Bone Marrow	* 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	* Kidney	* Larynx	* Lymph Node, Mesenteric
* Mammary Gland	* Nose	* Pancreas	* Parathyroid Gland
* Peripheral Nerve	* Pharynx	* Pituitary Gland	* Preputial Gland
* Salivary Glands	* Seminal Vesicle	* Skin	* Spinal Cord
* Spleen	* Stomach, Forestomach	* Stomach, Glandular	* Thymus
* Thyroid Gland	* Trachea	* Urinary Bladder	

MISSING

* Lymph Node, Mediastinal

OBSERVATIONS

* Blood Vessel			
Note: Aorta is normal.			
* Liver	Sinusoid	Congestion	Focal, Minimal
[Congestion TGLS = 1-13]			
* Lung	Peribronchial	Hemorrhage Hyperplasia	Multifocal, Moderate Lymphoid, Focal, Minimal
Note: Hemorrhage is subpleural.			
[Hemorrhage TGLS = 2-3]			
* Lymph Node, Bronchial		Congestion	
Note: Tracheobronchial lymph node has red blood cells present in subcapsular and/or medullary sinuses.			
* Lymph Node, Mandibular		Congestion	
Note: Red blood cells present in cortical and/or medullary sinuses.			
* Perph Nerve			
Note: Sciatic nerve is normal.			
* Prostate		Corpora Amylacea	
[Corpora Amylacea TGLS = 2-3]			
* Testes	Interstit Cell	Hyperplasia	Marked

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05135-05
Test Type: SIX MONTH EXPOS.
Route: RESPIRATORY EXPOSURE WHOLE BODY
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Isoprene
CAS Number: 78-79-5

Date Report Requested: 10/16/2014
Time Report Requested: 02:39:35
First Dose M/F: NA / NA
Lab: BNW

ANIMAL ID: 1012

TRT#: 6

SEX: Male

DAY ON TEST: 186

DOSE: 7000 PPM

DISP: Scheduled Sacrifice

HISTO: 19242

ORGAN AND ACCOUNTABLE SITE STATUS

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05135-05

Test Type: SIX MONTH EXPOS.

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Isoprene

CAS Number: 78-79-5

Date Report Requested: 10/16/2014

Time Report Requested: 02:39:35

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 1013

TRT#: 6

DOSE: 7000 PPM

SEX: Male

DISP: Scheduled Sacrifice

DAY ON TEST: 186

HISTO: 19243

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Blood Vessel	* Bone
* Bone Marrow	* Brain	* Epididymis	* Esophagus
* Eye	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Kidney	* Larynx	* Liver	* Lymph Node, Mesenteric
* Nose	* Parathyroid Gland	* Peripheral Nerve	* Pharynx
* Pituitary Gland	* Preputial Gland	* Salivary Glands	* Seminal Vesicle
* Skin	* Spinal Cord	* Spleen	* Stomach, Forestomach
* Stomach, Glandular	* Thymus	* Thyroid Gland	* Trachea
* Urinary Bladder			

MISSING

* Lymph Node, Mediastinal	* Mammary Gland
---------------------------	-----------------

OBSERVATIONS

* Blood Vessel		
Note: Aorta is normal.		
* Heart	Cardiomyopathy	Multifocal, Minimal
* Lung	Hemorrhage	Multifocal, Mild
Note: Hemorrhage is subpleural.		
[Hemorrhage TGLS = 1-3]		
* Lymph Node, Bronchial	Congestion	
Note: Tracheobronchial lymph node has red blood cells present in subcapsular and/or medullary sinuses.		
[Congestion TGLS = 2-7]		
* Lymph Node, Mandibular	Congestion	
Note: Red blood cells present in cortical and/or medullary sinuses.		
[Congestion TGLS = 2-7]		
* Pancreas	Infiltration Cellular	Mixed Cell, Minimal
* Perph Nerve		
Note: Sciatic nerve is normal.		
* Prostate	Corpora Amylacea	
* Testes	Interstitial Cell Hyperplasia	Mild

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05135-05
Test Type: SIX MONTH EXPOS.
Route: RESPIRATORY EXPOSURE WHOLE BODY
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Isoprene
CAS Number: 78-79-5

Date Report Requested: 10/16/2014
Time Report Requested: 02:39:35
First Dose M/F: NA / NA
Lab: BNW

ANIMAL ID: 1013

TRT#: 6

SEX: Male

DAY ON TEST: 186

DOSE: 7000 PPM

DISP: Scheduled Sacrifice

HISTO: 19243

ORGAN AND ACCOUNTABLE SITE STATUS

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05135-05

Test Type: SIX MONTH EXPOS.

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Isoprene

CAS Number: 78-79-5

Date Report Requested: 10/16/2014

Time Report Requested: 02:39:35

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 1014

TRT#: 6

SEX: Male

DAY ON TEST: 366

DOSE: 7000 PPM

DISP: Terminal Sacrifice

HISTO: 19244

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Blood Vessel	* Bone
* Bone Marrow	* Brain	* Epididymis	* Esophagus
* Eye	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Liver	* Lymph Node, Mesenteric	* Nose	* Pancreas
* Parathyroid Gland	* Peripheral Nerve	* Pharynx	* Preputial Gland
* Prostate	* Salivary Glands	* Seminal Vesicle	* Skin
* Spinal Cord	* Spleen	* Stomach, Forestomach	* Stomach, Glandular
* Thymus	* Thyroid Gland	* Trachea	

MISSING

* Lymph Node, Mediastinal	* Mammary Gland
---------------------------	-----------------

OBSERVATIONS

* Blood Vessel			
Note: Aorta is normal.			
* Heart		Cardiomyopathy	Multifocal, Minimal
* Kidney	Bilateral	Nephropathy	Chronic, Mild
* Larynx		Infiltration Cellular	Mixed Cell, Minimal
Note: Mixed cell infiltrates are present in the lamina propria.			
* Lung	Perivascular	Hemorrhage	Multifocal, Minimal
		Hyperplasia	Lymphoid, Multifocal, Minimal
Note: Hemorrhage is subpleural.			
* Lymph Node, Bronchial		Congestion	
Note: Tracheobronchial lymph node has red blood cells present in subcapsular and/or medullary sinuses.			
* Lymph Node, Mandibular		Hyperplasia	
Note: Hyperplasia is reactive.			
* Perph Nerve			
Note: Sciatic nerve is normal.			
* Pituitary Gland		Hyperplasia	Minimal
* Testes	Interstit Cell	Adenoma	
	Interstit Cell	Hyperplasia	Marked

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05135-05
Test Type: SIX MONTH EXPOS.
Route: RESPIRATORY EXPOSURE WHOLE BODY
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Isoprene
CAS Number: 78-79-5

Date Report Requested: 10/16/2014
Time Report Requested: 02:39:35
First Dose M/F: NA / NA
Lab: BNW

ANIMAL ID: 1014

TRT#: 6

SEX: Male

DAY ON TEST: 366

DOSE: 7000 PPM

DISP: Terminal Sacrifice

HISTO: 19244

ORGAN AND ACCOUNTABLE SITE STATUS

Note: -B-Adenoma

[Adenoma TGLS = 1-7]

[Hyperplasia TGLS = 1-7]

* Urinary Bladder

Calculus Micro Observation Only

[Calculus Micro Observation Only TGLS = 2-8]

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05135-05

Test Type: SIX MONTH EXPOS.

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Isoprene

CAS Number: 78-79-5

Date Report Requested: 10/16/2014

Time Report Requested: 02:39:35

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 1015

TRT#: 6

SEX: Male

DAY ON TEST: 366

DOSE: 7000 PPM

DISP: Terminal Sacrifice

HISTO: 19245

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Blood Vessel	* Bone
* Bone Marrow	* 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	* Liver	* Lymph Node, Mandibular
* Lymph Node, Mediastinal	* Lymph Node, Mesenteric	* Nose	* Pancreas
* Parathyroid Gland	* Peripheral Nerve	* Pharynx	* Preputial Gland
* Prostate	* Salivary Glands	* Seminal Vesicle	* Skin
* Spinal Cord	* Spleen	* Stomach, Forestomach	* Stomach, Glandular
* Thymus	* Thyroid Gland	* Trachea	* Urinary Bladder

MISSING

* Mammary Gland

OBSERVATIONS

* Blood Vessel			
Note: Aorta is normal.			
Harderian Gland		Hyperplasia	Lymphoid, Minimal
Note: Hyperplasia is reactive.			
* Kidney	Bilateral	Nephropathy	Chronic, Minimal
* Lung		Hemorrhage	Mild
	Perivascular	Hyperplasia	Lymphoid, Multifocal, Minimal
Note: Hemorrhage is subpleural.			
[Hemorrhage TGLS = 2-3]			
* Lymph Node, Bronchial		Congestion	
Note: Tracheobronchial lymph node has red blood cells present in subcapsular and/or medullary sinuses.			
* Perph Nerve			
Note: Sciatic nerve is normal.			
* Pituitary Gland		Adenoma	
Note: -B-Adenoma			
[Adenoma TGLS = 1-8]			
* Testes	Interstit Cell	Hyperplasia	Marked

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05135-05
Test Type: SIX MONTH EXPOS.
Route: RESPIRATORY EXPOSURE WHOLE BODY
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Isoprene
CAS Number: 78-79-5

Date Report Requested: 10/16/2014
Time Report Requested: 02:39:35
First Dose M/F: NA / NA
Lab: BNW

ANIMAL ID: 1015

TRT#: 6

SEX: Male

DAY ON TEST: 366

DOSE: 7000 PPM

DISP: Terminal Sacrifice

HISTO: 19245

ORGAN AND ACCOUNTABLE SITE STATUS

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05135-05
Test Type: SIX MONTH EXPOS.
Route: RESPIRATORY EXPOSURE WHOLE BODY
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Isoprene
CAS Number: 78-79-5

Date Report Requested: 10/16/2014
Time Report Requested: 02:39:35
First Dose M/F: NA / NA
Lab: BNW

ANIMAL ID: 1016

TRT#: 6

SEX: Male

DAY ON TEST: 366

DOSE: 7000 PPM

DISP: Terminal Sacrifice

HISTO: 19246

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Blood Vessel	* Bone
* Bone Marrow	* Brain	* Epididymis	* Esophagus
* Eye	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Larynx	* Liver	* Lymph Node, Mesenteric	* Nose
* Pancreas	* Parathyroid Gland	* Peripheral Nerve	* Pharynx
* Preputial Gland	* Prostate	* Salivary Glands	* Seminal Vesicle
* Skin	* Spinal Cord	* Spleen	* Stomach, Forestomach
* Stomach, Glandular	* Thyroid Gland	* Trachea	

MISSING

* Mammary Gland	* Thymus
-----------------	----------

OBSERVATIONS

* Blood Vessel			
Note: Aorta is normal.			
* Heart		Cardiomyopathy	Minimal
* Kidney	Bilateral	Nephropathy	Chronic, Minimal
* Lung		Alveolar/Bronchiolar Adenoma	
		Hemorrhage	Mild
	Alveolus	Infiltration Cellular	Histiocyte, Multifocal, Minimal
Note: -B-Alveolar/Bronchiolar Adenoma			
Note: Hemorrhage is subpleural.			
[Alveolar/Bronchiolar Adenoma TGLS = 1-13]			
* Lymph Node, Bronchial		Congestion	
Note: Tracheobronchial lymph node has red blood cells present in subcapsular and/or medullary sinuses.			
[Congestion TGLS = 2-8]			
* Lymph Node, Mandibular		Congestion	
Note: Red blood cells present in cortical and/or medullary sinuses.			
[Congestion TGLS = 2-8]			
* Lymph Node, Mediastinal		Congestion	
Note: Red blood cells present in cortical and/or medullary sinuses.			

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05135-05
Test Type: SIX MONTH EXPOS.
Route: RESPIRATORY EXPOSURE WHOLE BODY
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Isoprene
CAS Number: 78-79-5

Date Report Requested: 10/16/2014
Time Report Requested: 02:39:35
First Dose M/F: NA / NA
Lab: BNW

ANIMAL ID: 1016

TRT#: 6

SEX: Male

DAY ON TEST: 366

DOSE: 7000 PPM

DISP: Terminal Sacrifice

HISTO: 19246

ORGAN AND ACCOUNTABLE SITE STATUS

[Congestion TGLS = 2-8]

* Perph Nerve

Note: Sciatic nerve is normal.

* Pituitary Gland

Note: -B-Adenoma

Adenoma

* Testes

Interstit Cell

Hyperplasia

Minimal

* Urinary Bladder

Calculus Micro Observation Only

[Calculus Micro Observation Only TGLS = 2-8]

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05135-05

Test Type: SIX MONTH EXPOS.

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Isoprene

CAS Number: 78-79-5

Date Report Requested: 10/16/2014

Time Report Requested: 02:39:35

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 1017

TRT#: 6

SEX: Male

DAY ON TEST: 366

DOSE: 7000 PPM

DISP: Terminal Sacrifice

HISTO: 19247

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Blood Vessel	* Bone
* Bone Marrow	* Brain	* Epididymis	* Esophagus
* Eye	* 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
* Peripheral Nerve	* Pharynx	* Preputial Gland	* Prostate
* Salivary Glands	* Seminal Vesicle	* Skin	* Spinal Cord
* Spleen	* Stomach, Forestomach	* Stomach, Glandular	* Thymus
* Thyroid Gland	* Trachea		

MISSING

* Mammary Gland

OBSERVATIONS

* Blood Vessel			
Note: Aorta is normal.			
* Heart		Cardiomyopathy	Minimal
* Kidney	Bilateral	Nephropathy	Chronic, Minimal
* Liver		Fibrosis	Multifocal, Minimal
Note: Cholangiofibrosis			
* Lung		Hemorrhage	Multifocal, Minimal
	Perivascular	Hyperplasia	Lymphoid, Multifocal, Minimal
	Alveolus	Infiltration Cellular	Histiocyte, Multifocal, Minimal
Note: Hemorrhage is subpleural.			
* Lym Node Bron			
Note: Tracheobronchial lymph node is normal.			
* Perph Nerve			
Note: Sciatic nerve is normal.			
* Pituitary Gland	Pars Distalis	Cyst	
* Testes	Interstit Cell	Hyperplasia	Marked
* Urinary Bladder		Calculus Micro Observation Only	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05135-05
Test Type: SIX MONTH EXPOS.
Route: RESPIRATORY EXPOSURE WHOLE BODY
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Isoprene
CAS Number: 78-79-5

Date Report Requested: 10/16/2014
Time Report Requested: 02:39:35
First Dose M/F: NA / NA
Lab: BNW

ANIMAL ID: 1017

TRT#: 6

SEX: Male

DAY ON TEST: 366

DOSE: 7000 PPM

DISP: Terminal Sacrifice

HISTO: 19247

ORGAN AND ACCOUNTABLE SITE STATUS

[Calculus Micro Observation Only TGLS = 1-8]

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05135-05

Test Type: SIX MONTH EXPOS.

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Isoprene

CAS Number: 78-79-5

Date Report Requested: 10/16/2014

Time Report Requested: 02:39:35

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 1018

TRT#: 6

SEX: Male

DAY ON TEST: 366

DOSE: 7000 PPM

DISP: Terminal Sacrifice

HISTO: 19248

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Blood Vessel	* Bone
* Bone Marrow	* 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, Mandibular
* Lymph Node, Mesenteric	* Nose	* Parathyroid Gland	* Peripheral Nerve
* Pharynx	* Preputial Gland	* Prostate	* Salivary Glands
* Seminal Vesicle	* Skin	* Spinal Cord	* Spleen
* Stomach, Forestomach	* Stomach, Glandular	* Thymus	* Thyroid Gland
* Trachea	* Urinary Bladder		

MISSING

* Lymph Node, Mediastinal	* Mammary Gland
---------------------------	-----------------

OBSERVATIONS

* Blood Vessel			
Note: Aorta is normal.			
* Kidney	Bilateral	Nephropathy	Chronic, Minimal
* Liver		Hepatodiaphragmatic Nodule	
[Hepatodiaphragmatic Nodule TGLS = 1-13]			
* Lung	Perivascular Alveolus	Hemorrhage Hyperplasia Infiltration Cellular	Multifocal, Minimal Lymphoid, Multifocal, Minimal Histiocyte, Multifocal, Minimal
Note: Hemorrhage is subpleural.			
[Hemorrhage TGLS = 2-3]			
* Lym Node Bron			
Note: Tracheobronchial lymph node is normal.			
* Pancreas		Atrophy	Multifocal, Minimal
Note: Atrophy is exocrine.			
* Perph Nerve			
Note: Sciatic nerve is normal.			
* Pituitary Gland		Hyperplasia	Minimal

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05135-05
Test Type: SIX MONTH EXPOS.
Route: RESPIRATORY EXPOSURE WHOLE BODY
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Isoprene
CAS Number: 78-79-5

Date Report Requested: 10/16/2014
Time Report Requested: 02:39:35
First Dose M/F: NA / NA
Lab: BNW

ANIMAL ID: 1018

TRT#: 6
DOSE: 7000 PPM

SEX: Male
DISP: Terminal Sacrifice

DAY ON TEST: 366
HISTO: 19248

ORGAN AND ACCOUNTABLE SITE STATUS

* Testes	Interstit Cell	Hyperplasia	Minimal
----------	----------------	-------------	---------

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05135-05

Test Type: SIX MONTH EXPOS.

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Isoprene

CAS Number: 78-79-5

Date Report Requested: 10/16/2014

Time Report Requested: 02:39:35

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 1019

TRT#: 6

SEX: Male

DAY ON TEST: 366

DOSE: 7000 PPM

DISP: Terminal Sacrifice

HISTO: 19249

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Blood Vessel	* Bone
* Bone Marrow	* Brain	* Epididymis	* Esophagus
* Eye	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Larynx
* Liver	* Lymph Node, Bronchial	* Lymph Node, Mandibular	* Lymph Node, Mediastinal
* Lymph Node, Mesenteric	* Nose	* Parathyroid Gland	* Peripheral Nerve
* Pharynx	* Preputial Gland	* Prostate	* Salivary Glands
* Seminal Vesicle	* Skin	* Spinal Cord	* Spleen
* Stomach, Forestomach	* Stomach, Glandular	* Thyroid Gland	* Trachea

MISSING

* Mammary Gland	* Thymus
-----------------	----------

OBSERVATIONS

* Blood Vessel			
Note: Aorta is normal.			
* Heart		Cardiomyopathy	Minimal
* Islets, Pancreatic		Hyperplasia	Minimal
* Kidney	Bilateral	Nephropathy	Chronic, Minimal
* Lung		Hemorrhage	Multifocal, Minimal
	Perivascular	Hyperplasia	Lymphoid, Multifocal, Minimal
	Alveolus	Infiltration Cellular	Histiocyte, Multifocal, Minimal
Note: Hemorrhage is subpleural.			
* Lym Node Bron			
Note: Tracheobronchial lymph node is normal.			
* Pancreas		Atrophy	Minimal
Note: Atrophy is exocrine.			
* Perph Nerve			
Note: Sciatic nerve is normal.			
* Pituitary Gland		Hyperplasia	Mild
* Testes	Interstit Cell	Hyperplasia	Mild
* Urinary Bladder		Calculus Micro Observation Only	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05135-05
Test Type: SIX MONTH EXPOS.
Route: RESPIRATORY EXPOSURE WHOLE BODY
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Isoprene
CAS Number: 78-79-5

Date Report Requested: 10/16/2014
Time Report Requested: 02:39:35
First Dose M/F: NA / NA
Lab: BNW

ANIMAL ID: 1019

TRT#: 6

SEX: Male

DAY ON TEST: 366

DOSE: 7000 PPM

DISP: Terminal Sacrifice

HISTO: 19249

ORGAN AND ACCOUNTABLE SITE STATUS

[Calculus Micro Observation Only TGLS = 1-8]

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05135-05

Test Type: SIX MONTH EXPOS.

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Isoprene

CAS Number: 78-79-5

Date Report Requested: 10/16/2014

Time Report Requested: 02:39:35

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 1020

TRT#: 6

DOSE: 7000 PPM

SEX: Male

DISP: Scheduled Sacrifice

DAY ON TEST: 186

HISTO: 19250

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Blood Vessel	* Bone
* Bone Marrow	* Brain	* Epididymis	* Esophagus
* Eye	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Kidney	* Larynx	* Liver	* Lymph Node, Mandibular
* Lymph Node, Mesenteric	* Nose	* Pancreas	* Parathyroid Gland
* Peripheral Nerve	* Pharynx	* Pituitary Gland	* Preputial Gland
* Prostate	* Salivary Glands	* Seminal Vesicle	* Skin
* Spinal Cord	* Spleen	* Stomach, Forestomach	* Stomach, Glandular
* Thymus	* Trachea	* Urinary Bladder	

MISSING

* Mammary Gland

OBSERVATIONS

* Blood Vessel			
Note: Aorta is normal.			
* Heart		Cardiomyopathy	Minimal
* Lung		Hemorrhage	Multifocal, Mild
	Perivascular	Hyperplasia	Lymphoid, Focal, Mild
Note: Hemorrhage is subpleural.			
[Hemorrhage TGLS = 1-3]			
* Lymph Node, Bronchial		Congestion	
Note: Tracheobronchial lymph node has Red Blood Cells in subcapsular and/or meddullary sinuses.			
* Lymph Node, Mediastinal		Congestion	
Note: Red blood cells present in cortical and/or medullary sinuses.			
* Perph Nerve			
Note: Sciatic nerve is normal.			
* Testes	Interstit Cell	Hyperplasia	Minimal
* Thyroid Gland		Cyst	

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05135-05

Test Type: SIX MONTH EXPOS.

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Isoprene

CAS Number: 78-79-5

Date Report Requested: 10/16/2014

Time Report Requested: 02:39:35

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 1021

TRT#: 6

DOSE: 7000 PPM

SEX: Male

DISP: Terminal Sacrifice

DAY ON TEST: 366

HISTO: 19251

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Blood Vessel	* Bone
* Bone Marrow	* 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, Mandibular	* Lymph Node, Mesenteric
* Nose	* Pancreas	* Parathyroid Gland	* Peripheral Nerve
* Pharynx	* Pituitary Gland	* Preputial Gland	* Prostate
* Salivary Glands	* Seminal Vesicle	* Skin	* Spinal Cord
* Spleen	* Stomach, Forestomach	* Stomach, Glandular	* Thymus
* Thyroid Gland	* Trachea	* Urinary Bladder	

MISSING

* Lymph Node, Bronchial	* Mammary Gland
-------------------------	-----------------

OBSERVATIONS

* Blood Vessel			
Note: Aorta is normal.			
* Kidney	Bilateral	Nephropathy	Chronic, Minimal
Note: TGL 2 = NCL			
* Liver		Hepatodiaphragmatic Nodule	
[Hepatodiaphragmatic Nodule TGLS = 1-13]			
* Lung	Alveolar Epith	Hemorrhage	Multifocal, Minimal
	Perivascular	Hyperplasia	Multifocal, Minimal
	Alveolus	Hyperplasia	Lymphoid, Multifocal, Mild
Note: Hemorrhage is subpleural.		Infiltration Cellular	Histiocyte, Multifocal, Minimal
Note: Hyperplasia, alveolar epithelium is a type 2 cell.			
[Hemorrhage TGLS = 3-3]			
* Lym Node Bron			
Note: Tracheobronchial lymph node is missing.			
* Lymph Node, Mediastinal		Congestion	
		Hyperplasia	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05135-05
Test Type: SIX MONTH EXPOS.
Route: RESPIRATORY EXPOSURE WHOLE BODY
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Isoprene
CAS Number: 78-79-5

Date Report Requested: 10/16/2014
Time Report Requested: 02:39:35
First Dose M/F: NA / NA
Lab: BNW

ANIMAL ID: 1021

TRT#: 6

SEX: Male

DAY ON TEST: 366

DOSE: 7000 PPM

DISP: Terminal Sacrifice

HISTO: 19251

ORGAN AND ACCOUNTABLE SITE STATUS

Note: Hyperplasia is reactive.

Note: Red blood cells present in cortical and/or medullary sinuses.

* Perph Nerve

Note: Sciatic nerve is normal.

* Testes

Interstit Cell

Hyperplasia

Moderate

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05135-05

Test Type: SIX MONTH EXPOS.

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Isoprene

CAS Number: 78-79-5

Date Report Requested: 10/16/2014

Time Report Requested: 02:39:35

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 1022

TRT#: 6

SEX: Male

DAY ON TEST: 366

DOSE: 7000 PPM

DISP: Terminal Sacrifice

HISTO: 19252

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Blood Vessel	* Bone
* Bone Marrow	* 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, Mandibular	* Lymph Node, Mesenteric
* Nose	* Pancreas	* Parathyroid Gland	* Peripheral Nerve
* Preputial Gland	* Prostate	* Salivary Glands	* Seminal Vesicle
* Skin	* Spinal Cord	* Stomach, Forestomach	* Stomach, Glandular
* Thymus	* Trachea	* Urinary Bladder	

MISSING

* Lymph Node, Mediastinal	* Mammary Gland
---------------------------	-----------------

OBSERVATIONS

* Blood Vessel			
Note: Aorta is normal.			
* Kidney	Bilateral	Nephropathy	Chronic, Mild
* Liver		Necrosis	Multifocal, Mild
Note: Fibrin, erthrocytes and neutrophils are present in necrotic foci. The cause of this lesion is inapparent.			
[Necrosis TGLS = 3-4]			
* Lung		Hemorrhage	Multifocal, Mild
Note: Hemorrhage is subpleural.			
[Hemorrhage TGLS = 2-3]			
* Lymph Node, Bronchial		Congestion	
Note: Tracheobronchial lymph node has red blood cells present in subcapsular and/or medullary sinuses.			
[Congestion TGLS = 4-10]			
* Perph Nerve			
Note: Sciatic nerve is normal.			
* Pharynx	Palate	Papilloma	
Note: -B-Papilloma of the hard palate.			
[Papilloma TGLS = 4-10]			
* Pituitary Gland		Hyperplasia	Minimal

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05135-05
Test Type: SIX MONTH EXPOS.
Route: RESPIRATORY EXPOSURE WHOLE BODY
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Isoprene
CAS Number: 78-79-5

Date Report Requested: 10/16/2014
Time Report Requested: 02:39:35
First Dose M/F: NA / NA
Lab: BNW

ANIMAL ID: 1022	TRT#: 6	SEX: Male	DAY ON TEST: 366
	DOSE: 7000 PPM	DISP: Terminal Sacrifice	HISTO: 19252

ORGAN AND ACCOUNTABLE SITE STATUS

* Spleen		Accessory Spleen	
Note: Developmental Anomaly (Ectopic Spleen). [Accessory Spleen TGLS = 1-13]			
* Testes	Interstit Cell	Adenoma	
	Interstit Cell	Hyperplasia	Mild
Note: -B-Adenoma			
* Thyroid Gland		Cyst	

PRIMARY CAUSE OF DEATH

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05135-05

Test Type: SIX MONTH EXPOS.

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Isoprene

CAS Number: 78-79-5

Date Report Requested: 10/16/2014

Time Report Requested: 02:39:35

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 1023

TRT#: 6

DOSE: 7000 PPM

SEX: Male

DISP: Terminal Sacrifice

DAY ON TEST: 366

HISTO: 19253

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Blood Vessel	* Bone
* Bone Marrow	* 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	* Liver	* Lymph Node, Bronchial
* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Nose	* Pancreas
* Parathyroid Gland	* Peripheral Nerve	* Pharynx	* Preputial Gland
* Prostate	* Salivary Glands	* Seminal Vesicle	* Skin
* Spinal Cord	* Spleen	* Stomach, Forestomach	* Stomach, Glandular
* Thymus	* Thyroid Gland	* Trachea	

MISSING

* Mammary Gland

OBSERVATIONS

* Blood Vessel			
Note: Aorta is normal.			
* Kidney	Bilateral	Nephropathy	Chronic, Minimal
* Lung		Hemorrhage	Multifocal, Minimal
	Alveolus	Infiltration Cellular	Histiocyte, Multifocal, Minimal
	Alveolus	Inflammation	Granulomatous, Minimal
Note: Hemorrhage is subpleural.			
[Hemorrhage TGLS = 1-3+13]			
* Lym Node Bron			
Note: Tracheobronchial lymph node is normal.			
* Lymph Node, Mediastinal		Hyperplasia	
Note: Hyperplasia is reactive.			
[Hyperplasia TGLS = 2-8]			
* Perph Nerve			
Note: Sciatic nerve is normal.			
* Pituitary Gland		Adenoma	
Note: -B-Adenoma			

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05135-05
Test Type: SIX MONTH EXPOS.
Route: RESPIRATORY EXPOSURE WHOLE BODY
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Isoprene
CAS Number: 78-79-5

Date Report Requested: 10/16/2014
Time Report Requested: 02:39:35
First Dose M/F: NA / NA
Lab: BNW

ANIMAL ID: 1023

TRT#: 6

SEX: Male

DAY ON TEST: 366

DOSE: 7000 PPM

DISP: Terminal Sacrifice

HISTO: 19253

ORGAN AND ACCOUNTABLE SITE STATUS

* Testes	Interstit Cell	Hyperplasia	Mild
* Urinary Bladder		Calculus Micro Observation Only	
[Calculus Micro Observation Only TGLS = 2-8]			

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05135-05

Test Type: SIX MONTH EXPOS.

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Isoprene

CAS Number: 78-79-5

Date Report Requested: 10/16/2014

Time Report Requested: 02:39:35

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 1024

TRT#: 6

SEX: Male

DAY ON TEST: 186

DOSE: 7000 PPM

DISP: Scheduled Sacrifice

HISTO: 19254

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Blood Vessel	* Bone
* Bone Marrow	* 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	* Kidney	* Larynx	* Liver
* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Nose	* Pancreas
* Parathyroid Gland	* Peripheral Nerve	* Pharynx	* Preputial Gland
* Prostate	* Salivary Glands	* Seminal Vesicle	* Skin
* Spinal Cord	* Spleen	* Stomach, Forestomach	* Stomach, Glandular
* Thymus	* Thyroid Gland	* Urinary Bladder	

MISSING

* Mammary Gland

OBSERVATIONS

* Blood Vessel			
Note: Aorta is normal.			
* Lung		Hemorrhage	Multifocal, Mild
Note: Hemorrhage is subpleural.			
[Hemorrhage TGLS = 1-3]			
* Lymph Node, Bronchial		Congestion	
Note: Tracheobronchial lymph node has red blood cells present in subcapsular and/or medullary sinuses.			
* Lymph Node, Mediastinal		Congestion	
Note: Red blood cells present in cortical and/or medullary sinuses.			
* Perph Nerve			
Note: Sciatic nerve is normal.			
* Pituitary Gland	Pars Distalis	Cyst	
* Testes	Interstit Cell	Hyperplasia	Moderate
* Trachea		Infiltration Cellular	Mononuclear CI, Multifocal, Minimal
Note: Submucosa.			

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05135-05

Test Type: SIX MONTH EXPOS.

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Isoprene

CAS Number: 78-79-5

Date Report Requested: 10/16/2014

Time Report Requested: 02:39:35

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 1025

TRT#: 6

SEX: Male

DAY ON TEST: 366

DOSE: 7000 PPM

DISP: Terminal Sacrifice

HISTO: 19255

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Blood Vessel	* Bone
* Bone Marrow	* Brain	* Esophagus	* Eye
* Heart	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Liver	* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Nose
* Parathyroid Gland	* Peripheral Nerve	* Pharynx	* Prostate
* Salivary Glands	* Seminal Vesicle	* Skin	* Spinal Cord
* Spleen	* Stomach, Forestomach	* Stomach, Glandular	* Thymus
* Thyroid Gland	* Trachea		

MISSING

* Mammary Gland

OBSERVATIONS

* Blood Vessel			
Note: Aorta is normal.			
* Epididymis		Inflammation	Chronic, Marked
Note: Chronic inflammation is limited to the serosal surface and fat adjacent to the epididymis. Tubular and interstitial areas are not involved.			
* Kidney	Bilateral	Nephropathy	Chronic, Mild
* Larynx		Infiltration Cellular	Mixed Cell, Minimal
Note: Mixed cell infiltrates are present in the lamina propria.			
* Lung	Perivascular	Hemorrhage	Multifocal, Minimal
	Alveolus	Hyperplasia	Lymphoid, Multifocal, Minimal
		Infiltration Cellular	Histiocyte, Multifocal, Minimal
Note: Hemorrhage is subpleural.			
[Hemorrhage TGLS = 2-3]			
* Lymph Node, Bronchial		Congestion	
Note: Tracheobronchial lymph node has red blood cells present in subcapsular and/or medullary sinuses.			
* Lymph Node, Mediastinal		Congestion	
Note: Red blood cells present in cortical and/or medullary sinuses.			
* Pancreas		Atrophy	Minimal
Note: Atrophy is exocrine.			

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05135-05
Test Type: SIX MONTH EXPOS.
Route: RESPIRATORY EXPOSURE WHOLE BODY
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Isoprene
CAS Number: 78-79-5

Date Report Requested: 10/16/2014
Time Report Requested: 02:39:35
First Dose M/F: NA / NA
Lab: BNW

ANIMAL ID: 1025

TRT#: 6

SEX: Male

DAY ON TEST: 366

DOSE: 7000 PPM

DISP: Terminal Sacrifice

HISTO: 19255

ORGAN AND ACCOUNTABLE SITE STATUS

* Perph Nerve

Note: Sciatic nerve is normal.

* Pituitary Gland

Note: -B-Adenoma

[Adenoma TGLS = 1-8]

Adenoma

* Preputial Gland

Infiltration Cellular

Mixed Cell, Minimal

* Testes

Interstit Cell

Hyperplasia

Minimal

* Urinary Bladder

Calculus Micro Observation Only

[Calculus Micro Observation Only TGLS = 3-8]

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05135-05

Test Type: SIX MONTH EXPOS.

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Isoprene

CAS Number: 78-79-5

Date Report Requested: 10/16/2014

Time Report Requested: 02:39:35

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 1026

TRT#: 6

SEX: Male

DAY ON TEST: 366

DOSE: 7000 PPM

DISP: Terminal Sacrifice

HISTO: 19256

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Blood Vessel	* Bone
* Bone Marrow	* 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	* Liver	* Lymph Node, Mandibular
* Lymph Node, Mesenteric	* Nose	* Pancreas	* Parathyroid Gland
* Peripheral Nerve	* Pharynx	* Preputial Gland	* Prostate
* Salivary Glands	* Seminal Vesicle	* Skin	* Spinal Cord
* Spleen	* Stomach, Forestomach	* Stomach, Glandular	* Thymus
* Thyroid Gland	* Trachea	* Urinary Bladder	

MISSING

* Mammary Gland

OBSERVATIONS

* Blood Vessel			
Note: Aorta is normal.			
* Kidney	Bilateral	Nephropathy	Chronic, Minimal
* Lung		Hemorrhage	Multifocal, Mild
	Peribronchial	Hyperplasia	Lymphoid, Focal, Minimal
	Perivascular	Hyperplasia	Lymphoid, Multifocal, Minimal
	Alveolus	Infiltration Cellular	Histiocyte, Multifocal, Minimal
Note: Hemorrhage is subpleural. [Hemorrhage TGLS = 1-3]			
* Lymph Node, Bronchial		Congestion	
Note: Tracheobronchial lymph node has red blood cells present in subcapsular and/or medullary sinuses.			
* Lymph Node, Mediastinal		Congestion	
Note: Red blood cells present in cortical and/or medullary sinuses.			
* Perph Nerve			
Note: Sciatic nerve is normal.			
* Pituitary Gland		Hyperplasia	Mild
* Testes	Interstit Cell	Hyperplasia	Minimal

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05135-05
Test Type: SIX MONTH EXPOS.
Route: RESPIRATORY EXPOSURE WHOLE BODY
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Isoprene
CAS Number: 78-79-5

Date Report Requested: 10/16/2014
Time Report Requested: 02:39:35
First Dose M/F: NA / NA
Lab: BNW

ANIMAL ID: 1026

TRT#: 6

SEX: Male

DAY ON TEST: 366

DOSE: 7000 PPM

DISP: Terminal Sacrifice

HISTO: 19256

ORGAN AND ACCOUNTABLE SITE STATUS

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05135-05

Test Type: SIX MONTH EXPOS.

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Isoprene

CAS Number: 78-79-5

Date Report Requested: 10/16/2014

Time Report Requested: 02:39:35

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 1027

TRT#: 6

SEX: Male

DAY ON TEST: 366

DOSE: 7000 PPM

DISP: Terminal Sacrifice

HISTO: 19257

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Blood Vessel	* Bone
* Bone Marrow	* Brain	* Epididymis	* Esophagus
* Eye	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Larynx	* Liver	* Lymph Node, Mandibular	* Lymph Node, Mesenteric
* Nose	* Pancreas	* Parathyroid Gland	* Peripheral Nerve
* Pharynx	* Preputial Gland	* Prostate	* Salivary Glands
* Seminal Vesicle	* Skin	* Spinal Cord	* Spleen
* Stomach, Forestomach	* Stomach, Glandular	* Thymus	* Thyroid Gland
* Trachea	* Urinary Bladder		

MISSING

* Mammary Gland

OBSERVATIONS

* Blood Vessel			
Note: Aorta is normal.			
* Heart		Cardiomyopathy	Minimal
* Kidney	Bilateral	Nephropathy	Chronic, Minimal
* Lung		Hemorrhage	Mild
	Perivascular	Hyperplasia	Lymphoid, Multifocal, Minimal
	Alveolus	Infiltration Cellular	Histiocyte, Multifocal, Minimal
Note: Hemorrhage is subpleural.			
[Hemorrhage TGLS = 1-3]			
* Lymph Node, Bronchial		Hyperplasia	
Note: Tracheobronchial lymph node, hyperplasia is reactive.			
* Lymph Node, Mediastinal		Congestion	
		Hyperplasia	
Note: Hyperplasia is reactive.			
Note: Red blood cells are present in cortical and/or medullary sinuses.			
* Perph Nerve			
Note: Sciatic nerve is normal.			

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05135-05
Test Type: SIX MONTH EXPOS.
Route: RESPIRATORY EXPOSURE WHOLE BODY
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Isoprene
CAS Number: 78-79-5

Date Report Requested: 10/16/2014
Time Report Requested: 02:39:35
First Dose M/F: NA / NA
Lab: BNW

ANIMAL ID: 1027

TRT#: 6
DOSE: 7000 PPM

SEX: Male
DISP: Terminal Sacrifice

DAY ON TEST: 366
HISTO: 19257

ORGAN AND ACCOUNTABLE SITE STATUS

* Pituitary Gland

Hyperplasia

Minimal

* Testes

Interstit Cell

Hyperplasia

Marked

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05135-05
Test Type: SIX MONTH EXPOS.
Route: RESPIRATORY EXPOSURE WHOLE BODY
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Isoprene
CAS Number: 78-79-5

Date Report Requested: 10/16/2014
Time Report Requested: 02:39:35
First Dose M/F: NA / NA
Lab: BNW

ANIMAL ID: 1028

TRT#: 6

SEX: Male

DAY ON TEST: 366

DOSE: 7000 PPM

DISP: Terminal Sacrifice

HISTO: 19258

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Blood Vessel	* Bone
* Bone Marrow	* Brain	* Epididymis	* Esophagus
* Eye	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Larynx
* Liver	* Lymph Node, Bronchial	* Lymph Node, Mandibular	* Lymph Node, Mesenteric
* Parathyroid Gland	* Peripheral Nerve	* Pharynx	* Pituitary Gland
* Preputial Gland	* Prostate	* Salivary Glands	* Seminal Vesicle
* Skin	* Spinal Cord	* Spleen	* Stomach, Forestomach
* Stomach, Glandular	* Thymus	* Thyroid Gland	* Trachea

MISSING

* Mammary Gland

OBSERVATIONS

* Blood Vessel Note: Aorta is normal.			
Harderian Gland Note: Hyperplasia is reactive.		Hyperplasia	Lymphoid, Minimal
* Heart		Cardiomyopathy	Minimal
* Islets, Pancreatic		Hyperplasia	Minimal
* Kidney	Bilateral	Nephropathy	Chronic, Minimal
* Lung		Hemorrhage	Multifocal, Mild
	Perivascular	Hyperplasia	Lymphoid, Multifocal, Mild
	Alveolus	Infiltration Cellular	Histiocyte, Multifocal, Minimal
Note: Hemorrhage is subpleural. [Hemorrhage TGLS = 1-3]			
* Lym Node Bron Note: Tracheobronchial lymph node is normal.			
* Lymph Node, Mediastinal Note: Red blood cells present in cortical and/or medullary sinuses.		Congestion	
* Nose Note: Mixed cell infiltrates present in the Lamina Propria.	Turbinates	Infiltration Cellular	Mixed Cell, Multifocal, Minimal

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05135-05
Test Type: SIX MONTH EXPOS.
Route: RESPIRATORY EXPOSURE WHOLE BODY
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Isoprene
CAS Number: 78-79-5

Date Report Requested: 10/16/2014
Time Report Requested: 02:39:35
First Dose M/F: NA / NA
Lab: BNW

ANIMAL ID: 1028	TRT#: 6 DOSE: 7000 PPM	SEX: Male DISP: Terminal Sacrifice	DAY ON TEST: 366 HISTO: 19258
------------------------	---	---	--

ORGAN AND ACCOUNTABLE SITE STATUS

* Pancreas Note: Atrophy is exocrine.		Atrophy	Minimal
* Perph Nerve Note: Sciatic nerve is normal.			
* Testes * Urinary Bladder [Calculus Micro Observation Only TGLS = 2-8]	Interstit Cell	Hyperplasia Calculus Micro Observation Only	Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05135-05

Test Type: SIX MONTH EXPOS.

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Isoprene

CAS Number: 78-79-5

Date Report Requested: 10/16/2014

Time Report Requested: 02:39:35

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 1029

TRT#: 6

SEX: Male

DAY ON TEST: 366

DOSE: 7000 PPM

DISP: Terminal Sacrifice

HISTO: 19259

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Blood Vessel	* Bone
* Bone Marrow	* 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	* Liver	* Lymph Node, Bronchial
* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Nose	* Parathyroid Gland
* Peripheral Nerve	* Pharynx	* Preputial Gland	* Prostate
* Salivary Glands	* Seminal Vesicle	* Skin	* Spinal Cord
* Spleen	* Stomach, Forestomach	* Stomach, Glandular	* Thymus
* Thyroid Gland	* Trachea	* Urinary Bladder	

MISSING

* Mammary Gland

OBSERVATIONS

* Blood Vessel			
Note: Aorta is normal.			
* Kidney	Bilateral	Nephropathy	Chronic, Minimal
* Lung	Perivascular	Hemorrhage	Multifocal, Minimal
	Alveolus	Hyperplasia	Lymphoid, Multifocal, Minimal
		Infiltration Cellular	Histiocyte, Multifocal, Minimal
Note: Hemorrhage is subpleural.			
* Lym Node Bron			
Note: Tracheobronchial lymph node is normal.			
* Lymph Node, Mediastinal		Congestion	
		Pigmentation	Hemosiderin
Note: Red blood cells present in cortical and/or medullary sinuses.			
[Congestion TGLS = 2,3-7]			
* Pancreas		Atrophy	Minimal
Note: Atrophy is exocrine.			
* Perph Nerve			
Note: Sciatic nerve is normal.			

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05135-05
Test Type: SIX MONTH EXPOS.
Route: RESPIRATORY EXPOSURE WHOLE BODY
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Isoprene
CAS Number: 78-79-5

Date Report Requested: 10/16/2014
Time Report Requested: 02:39:35
First Dose M/F: NA / NA
Lab: BNW

ANIMAL ID: 1029

TRT#: 6

SEX: Male

DAY ON TEST: 366

DOSE: 7000 PPM

DISP: Terminal Sacrifice

HISTO: 19259

ORGAN AND ACCOUNTABLE SITE STATUS

* Pituitary Gland

Adenoma

Note: -B-Adenoma

[Adenoma TGLS = 1-8]

* Testes

Interstit Cell

Adenoma

Hyperplasia

Mild

Note: -B-Adenoma

[Adenoma TGLS = 2,3-7]

[Hyperplasia TGLS = 2,3-7]

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05135-05
Test Type: SIX MONTH EXPOS.
Route: RESPIRATORY EXPOSURE WHOLE BODY
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Isoprene
CAS Number: 78-79-5

Date Report Requested: 10/16/2014
Time Report Requested: 02:39:35
First Dose M/F: NA / NA
Lab: BNW

ANIMAL ID: 1030

TRT#: 6

SEX: Male

DAY ON TEST: 186

DOSE: 7000 PPM

DISP: Scheduled Sacrifice

HISTO: 19260

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Blood Vessel	* Bone
* Bone Marrow	* Brain	* Epididymis	* Esophagus
* Eye	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Kidney	* Larynx	* Liver	* Lymph Node, Mandibular
* Lymph Node, Mesenteric	* Nose	* Parathyroid Gland	* Peripheral Nerve
* Pharynx	* Pituitary Gland	* Preputial Gland	* Prostate
* Salivary Glands	* Seminal Vesicle	* Skin	* Spinal Cord
* Spleen	* Stomach, Forestomach	* Stomach, Glandular	* Thymus
* Thyroid Gland	* Trachea	* Urinary Bladder	

MISSING

* Lymph Node, Mediastinal	* Mammary Gland
---------------------------	-----------------

OBSERVATIONS

* Blood Vessel			
Note: Aorta is normal.			
* Heart		Cardiomyopathy	Minimal
* Lung		Hemorrhage	Multifocal, Mild
	Peribronchial	Hyperplasia	Lymphoid, Minimal
Note: Hemorrhage is subpleural.			
[Hemorrhage TGLS = 1-3]			
* Lymph Node, Bronchial		Congestion	
Note: Tracheobronchial lymph node has red blood cells present in subcapsular and/or medullary sinuses.			
* Pancreas		Infiltration Cellular	Mixed Cell, Minimal
* Perph Nerve			
Note: Sciatic nerve is normal.			
* Testes	Interstit Cell	Hyperplasia	Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05135-05
Test Type: SIX MONTH EXPOS.
Route: RESPIRATORY EXPOSURE WHOLE BODY
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Isoprene
CAS Number: 78-79-5

Date Report Requested: 10/16/2014
Time Report Requested: 02:39:35
First Dose M/F: NA / NA
Lab: BNW

ANIMAL ID: 1031

TRT#: 6

SEX: Male

DAY ON TEST: 366

DOSE: 7000 PPM

DISP: Terminal Sacrifice

HISTO: 19261

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Blood Vessel	* Bone
* Bone Marrow	* 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	* Liver	* Lymph Node, Mandibular
* Lymph Node, Mesenteric	* Nose	* Pancreas	* Parathyroid Gland
* Peripheral Nerve	* Pharynx	* Pituitary Gland	* Preputial Gland
* Salivary Glands	* Seminal Vesicle	* Skin	* Spinal Cord
* Spleen	* Stomach, Forestomach	* Stomach, Glandular	* Thymus
* Thyroid Gland	* Trachea	* Urinary Bladder	

MISSING

* Mammary Gland

OBSERVATIONS

* Blood Vessel			
Note: Aorta is normal			
* Kidney	Bilateral	Nephropathy	Chronic, Minimal
* Lung	Perivascular	Hemorrhage	Multifocal, Minimal
		Hyperplasia	Lymphoid, Multifocal, Minimal
Note: Hemorrhage is subpleural. [Hemorrhage TGLS = 1-3]			
* Lymph Node, Bronchial		Congestion	
Note: Tracheobronchial lymph node has red blood cells present in subcapsular and/or medullary sinuses.			
* Lymph Node, Mediastinal		Congestion	
Note: Red blood cells present in cortical and/or medullary sinuses.			
* Perph Nerve			
Note: Sciatic nerve is normal.			
* Prostate		Inflammation	Suppurative, Minimal
* Testes	Interstit Cell	Adenoma	
	Interstit Cell	Hyperplasia	Marked

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05135-05
Test Type: SIX MONTH EXPOS.
Route: RESPIRATORY EXPOSURE WHOLE BODY
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Isoprene
CAS Number: 78-79-5

Date Report Requested: 10/16/2014
Time Report Requested: 02:39:35
First Dose M/F: NA / NA
Lab: BNW

ANIMAL ID: 1031

TRT#: 6

SEX: Male

DAY ON TEST: 366

DOSE: 7000 PPM

DISP: Terminal Sacrifice

HISTO: 19261

ORGAN AND ACCOUNTABLE SITE STATUS

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05135-05

Test Type: SIX MONTH EXPOS.

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Isoprene

CAS Number: 78-79-5

Date Report Requested: 10/16/2014

Time Report Requested: 02:39:35

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 1032

TRT#: 6

SEX: Male

DAY ON TEST: 366

DOSE: 7000 PPM

DISP: Terminal Sacrifice

HISTO: 19262

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Blood Vessel	* Bone
* Bone Marrow	* Brain	* Epididymis	* Esophagus
* Eye	* 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	* Parathyroid Gland	* Peripheral Nerve	* Pharynx
* Pituitary Gland	* Preputial Gland	* Prostate	* Salivary Glands
* Seminal Vesicle	* Skin	* Spinal Cord	* Spleen
* Stomach, Forestomach	* Stomach, Glandular	* Thymus	* Thyroid Gland
* Trachea			

MISSING

* Mammary Gland

OBSERVATIONS

* Blood Vessel			
Note: Aorta is normal.			
Harderian Gland		Hyperplasia	Lymphoid, Minimal
Note: Hyperplasia is reactive.			
* Heart		Cardiomyopathy	Minimal
* Kidney	Bilateral	Nephropathy	Chronic, Minimal
* Larynx		Infiltration Cellular	Mixed Cell, Minimal
Note: Mixed cell infiltrates present in the Lamina Propria.			
* Liver		Hepatodiaphragmatic Nodule	
[Hepatodiaphragmatic Nodule TGLS = 3-14]			
* Lung		Hemorrhage	Multifocal, Minimal
	Alveolar Epith	Hyperplasia	Focal, Mild
	Alveolus	Infiltration Cellular	Histiocyte, Minimal
Note: Hyperplasia, alveolar epithelium is a type 2 cell.			
Note: Hemorrhage is subpleural.			
[Hemorrhage TGLS = 1-3]			
[Hyperplasia TGLS = 2-13]			

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05135-05
Test Type: SIX MONTH EXPOS.
Route: RESPIRATORY EXPOSURE WHOLE BODY
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Isoprene
CAS Number: 78-79-5

Date Report Requested: 10/16/2014
Time Report Requested: 02:39:35
First Dose M/F: NA / NA
Lab: BNW

ANIMAL ID: 1032	TRT#: 6	SEX: Male	DAY ON TEST: 366
	DOSE: 7000 PPM	DISP: Terminal Sacrifice	HISTO: 19262

ORGAN AND ACCOUNTABLE SITE STATUS

* Lym Node Bron			
Note: Tracheobronchial lymph node is normal.			
* Pancreas		Atrophy	Minimal
Note: Atrophy is exocrine			
* Perph Nerve			
Note: Sciatic nerve is normal.			
* Testes	Interstit Cell	Adenoma	
	Interstit Cell	Hyperplasia	Moderate
* Urinary Bladder		Calculus Micro Observation Only	
[Calculus Micro Observation Only TGLS = 4-8]			

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05135-05

Test Type: SIX MONTH EXPOS.

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Isoprene

CAS Number: 78-79-5

Date Report Requested: 10/16/2014

Time Report Requested: 02:39:35

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 1033

TRT#: 6

SEX: Male

DAY ON TEST: 186

DOSE: 7000 PPM

DISP: Scheduled Sacrifice

HISTO: 19263

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Blood Vessel	* Bone
* Bone Marrow	* 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	* Kidney	* Larynx	* Liver
* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Nose	* Parathyroid Gland
* Peripheral Nerve	* Pharynx	* Pituitary Gland	* Preputial Gland
* Prostate	* Salivary Glands	* Seminal Vesicle	* Skin
* Spinal Cord	* Spleen	* Stomach, Forestomach	* Stomach, Glandular
* Thymus	* Thyroid Gland	* Trachea	* Urinary Bladder

MISSING

* Mammary Gland

OBSERVATIONS

* Blood Vessel			
Note: Aorta is normal.			
* Lung	Peribronchial	Hemorrhage Hyperplasia	Mild Lymphoid, Focal, Minimal
Note: Hemorrhage is subpleural. [Hemorrhage TGLS = 2-3]			
* Lymph Node, Bronchial		Congestion	
Note: Tracheobronchial lymph node has red blood cells present in subcapsular and/or medullary sinuses.			
* Lymph Node, Mediastinal		Congestion	
Note: Red blood cells present in cortical and/or medullary sinuses.			
Mesentery		Accessory Spleen	
Note: Ectopic Spleen attached to pancreas [Accessory Spleen TGLS = 1-13]			
* Pancreas		Accessory Spleen	
Note: Ectopic Spleen. [Accessory Spleen TGLS = 1-13]			
* Perph Nerve			

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05135-05
Test Type: SIX MONTH EXPOS.
Route: RESPIRATORY EXPOSURE WHOLE BODY
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Isoprene
CAS Number: 78-79-5

Date Report Requested: 10/16/2014
Time Report Requested: 02:39:35
First Dose M/F: NA / NA
Lab: BNW

ANIMAL ID: 1033

TRT#: 6
DOSE: 7000 PPM

SEX: Male
DISP: Scheduled Sacrifice

DAY ON TEST: 186
HISTO: 19263

ORGAN AND ACCOUNTABLE SITE STATUS

Note: Sciatic nerve is normal.

* Testes	Interstit Cell	Hyperplasia	Mild
----------	----------------	-------------	------

PRIMARY CAUSE OF DEATH

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05135-05

Test Type: SIX MONTH EXPOS.

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Isoprene

CAS Number: 78-79-5

Date Report Requested: 10/16/2014

Time Report Requested: 02:39:35

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 1034

TRT#: 6

SEX: Male

DAY ON TEST: 366

DOSE: 7000 PPM

DISP: Terminal Sacrifice

HISTO: 19264

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Blood Vessel	* Bone
* Bone Marrow	* Brain	* Epididymis	* Esophagus
* Eye	* 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	* Nose	* Pancreas	* Parathyroid Gland
* Peripheral Nerve	* Pharynx	* Preputial Gland	* Salivary Glands
* Seminal Vesicle	* Skin	* Spinal Cord	* Spleen
* Stomach, Forestomach	* Stomach, Glandular	* Thymus	* Thyroid Gland
* Trachea	* Urinary Bladder		

MISSING

* Mammary Gland

OBSERVATIONS

* Blood Vessel			
Note: Aorta is normal.			
* Heart		Cardiomyopathy	Minimal
* Kidney	Bilateral	Nephropathy	Chronic, Minimal
* Lung	Alveolus	Hemorrhage	Minimal
		Hemorrhage	Minimal
	Perivascular	Hyperplasia	Lymphoid, Focal, Minimal
Note: Hemorrhage is subpleural.			
* Lym Node Bron			
Note: Tracheobronchial lymph node is normal.			
* Lymph Node, Mediastinal		Hyperplasia	
Note: Hyperplasia is reactive.			
* Perph Nerve			
Note: Sciatic nerve is normal.			
* Pituitary Gland		Hyperplasia	Minimal
* Prostate		Inflammation	Suppurative, Minimal
* Testes	Interstit Cell	Hyperplasia	Mild

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05135-05
Test Type: SIX MONTH EXPOS.
Route: RESPIRATORY EXPOSURE WHOLE BODY
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Isoprene
CAS Number: 78-79-5

Date Report Requested: 10/16/2014
Time Report Requested: 02:39:36
First Dose M/F: NA / NA
Lab: BNW

ANIMAL ID: 1034

TRT#: 6

SEX: Male

DAY ON TEST: 366

DOSE: 7000 PPM

DISP: Terminal Sacrifice

HISTO: 19264

ORGAN AND ACCOUNTABLE SITE STATUS

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05135-05
Test Type: SIX MONTH EXPOS.
Route: RESPIRATORY EXPOSURE WHOLE BODY
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Isoprene
CAS Number: 78-79-5

Date Report Requested: 10/16/2014
Time Report Requested: 02:39:36
First Dose M/F: NA / NA
Lab: BNW

ANIMAL ID: 1035

TRT#: 6

SEX: Male

DAY ON TEST: 366

DOSE: 7000 PPM

DISP: Terminal Sacrifice

HISTO: 19265

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Blood Vessel	* Bone
* Bone Marrow	* Brain	* Epididymis	* Esophagus
* Eye	* Heart	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Islets, Pancreatic
* Kidney	* Larynx	* Liver	* Lymph Node, Mesenteric
* Nose	* Parathyroid Gland	* Peripheral Nerve	* Pharynx
* Preputial Gland	* Prostate	* Salivary Glands	* Seminal Vesicle
* Skin	* Spinal Cord	* Spleen	* Stomach, Forestomach
* Stomach, Glandular	* Thymus	* Thyroid Gland	* Trachea

MISSING

* Mammary Gland

OBSERVATIONS

* Blood Vessel			
Note: Aorta is normal.			
* Intestine Small, Jejunum		Hemorrhage Inflammation	Multifocal, Minimal Suppurative, Multifocal, Minimal
[Hemorrhage TGLS = 4-13]			
[Inflammation TGLS = 4-13]			
* Lung	Alveolar Epith Perivascular Alveolus	Hemorrhage Hyperplasia Hyperplasia Infiltration Cellular	Multifocal, Minimal Multifocal, Minimal Lymphoid, Multifocal, Minimal Histiocyte, Multifocal, Mild
Note: Hemorrhage is subpleural.			
Note: Hyperplasia, alveolar epithelium is a type 2 cell.			
[Hemorrhage TGLS = 2-3]			
[Infiltration Cellular TGLS = 2-3]			
* Lymph Node, Bronchial		Hyperplasia	
Note: Hyperplasia is reactive in tracheobronchial lymph node.			
[Hyperplasia TGLS = 3-8]			
* Lymph Node, Mandibular		Hyperplasia	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05135-05
Test Type: SIX MONTH EXPOS.
Route: RESPIRATORY EXPOSURE WHOLE BODY
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Isoprene
CAS Number: 78-79-5

Date Report Requested: 10/16/2014
Time Report Requested: 02:39:36
First Dose M/F: NA / NA
Lab: BNW

ANIMAL ID: 1035	TRT#: 6	SEX: Male	DAY ON TEST: 366
	DOSE: 7000 PPM	DISP: Terminal Sacrifice	HISTO: 19265

ORGAN AND ACCOUNTABLE SITE STATUS

Note: Hyperplasia is reactive. [Hyperplasia TGLS = 3-8] * Lymph Node, Mediastinal		Congestion Hyperplasia Pigmentation	Hemosiderin
Note: Red blood cells present in cortical and/or medullary sinuses. Note: Hyperplasia is reactive. [Congestion TGLS = 4-13] [Hyperplasia TGLS = 4-13] * Pancreas		Atrophy	Minimal
Note: Atrophy is exocrine. * Perph Nerve Note: Sciatic nerve is normal. * Pituitary Gland Note: -B-Adenoma [Adenoma TGLS = 1-8]		Adenoma	
* Testes * Urinary Bladder [Calculus Micro Observation Only TGLS = 3-8]	Interstit Cell	Hyperplasia Calculus Micro Observation Only	Mild

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05135-05

Test Type: SIX MONTH EXPOS.

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Isoprene

CAS Number: 78-79-5

Date Report Requested: 10/16/2014

Time Report Requested: 02:39:36

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 1036

TRT#: 6

SEX: Male

DAY ON TEST: 186

DOSE: 7000 PPM

DISP: Scheduled Sacrifice

HISTO: 19266

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Blood Vessel	* Bone
* Bone Marrow	* Brain	* Epididymis	* Esophagus
* Eye	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Kidney	* Larynx	* Liver	* Lymph Node, Mandibular
* Lymph Node, Mesenteric	* Nose	* Pancreas	* Parathyroid Gland
* Peripheral Nerve	* Pharynx	* Pituitary Gland	* Preputial Gland
* Prostate	* Salivary Glands	* Seminal Vesicle	* Skin
* Spinal Cord	* Spleen	* Stomach, Glandular	* Thymus
* Thyroid Gland	* Trachea	* Urinary Bladder	

MISSING

* Mammary Gland

OBSERVATIONS

* Blood Vessel			
Note: Aorta is normal.			
* Heart		Cardiomyopathy	Minimal
* Lung		Hemorrhage	Multifocal, Minimal
	Peribronchial	Hyperplasia	Lymphoid, Focal, Minimal
Note: Hemorrhage is subpleural.			
[Hemorrhage TGLS = 1-3]			
* Lymph Node, Bronchial		Congestion	
Note: Tracheobronchial lymph node has red blood cells present in subcapsular and/or medullary sinuses.			
* Lymph Node, Mediastinal		Congestion	
Note: Red blood cells present in cortical and/or medullary sinuses.			
* Perph Nerve			
Note: Sciatic nerve is normal.			
* Stomach, Forestomach		Infiltration Cellular	Mixed Cell, Minimal
* Testes	Interstit Cell	Hyperplasia	Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05135-05
Test Type: SIX MONTH EXPOS.
Route: RESPIRATORY EXPOSURE WHOLE BODY
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Isoprene
CAS Number: 78-79-5

Date Report Requested: 10/16/2014
Time Report Requested: 02:39:36
First Dose M/F: NA / NA
Lab: BNW

ANIMAL ID: 1037

TRT#: 6

SEX: Male

DAY ON TEST: 366

DOSE: 7000 PPM

DISP: Terminal Sacrifice

HISTO: 19267

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Blood Vessel	* Bone
* Bone Marrow	* Brain	* Epididymis	* Esophagus
* Eye	* Heart	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Larynx	* Liver	* Lymph Node, Mandibular	* Lymph Node, Mediastinal
* Lymph Node, Mesenteric	* Nose	* Pancreas	* Parathyroid Gland
* Peripheral Nerve	* Pharynx	* Pituitary Gland	* Preputial Gland
* Prostate	* Salivary Glands	* Seminal Vesicle	* Skin
* Spinal Cord	* Spleen	* Stomach, Forestomach	* Stomach, Glandular
* Thyroid Gland	* Trachea		

MISSING

* Mammary Gland	* Thymus
-----------------	----------

OBSERVATIONS

* Blood Vessel			
Note: Aorta is normal.			
* Intestine Small, Ileum		Hyperplasia	Lymphoid, Minimal
* Kidney	Bilateral	Nephropathy	Chronic, Minimal
* Lung		Hemorrhage	Multifocal, Minimal
	Perivascular	Hyperplasia	Lymphoid, Multifocal, Minimal
	Alveolus	Infiltration Cellular	Histiocyte, Multifocal, Minimal
Note: Hemorrhage is subpleural. [Hemorrhage TGLS = 1-3+13]			
* Lymph Node, Bronchial		Hyperplasia	
Note: Reactive hyperplasia is present in the tracheobronchial lymph node. [Hyperplasia TGLS = 2-8]			
* Perph Nerve			
Note: Sciatic nerve is normal.			
* Testes	Interstit Cell	Hyperplasia	Mild
* Urinary Bladder		Calculus Micro Observation Only	
[Calculus Micro Observation Only TGLS = 2-8]			

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05135-05
Test Type: SIX MONTH EXPOS.
Route: RESPIRATORY EXPOSURE WHOLE BODY
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Isoprene
CAS Number: 78-79-5

Date Report Requested: 10/16/2014
Time Report Requested: 02:39:36
First Dose M/F: NA / NA
Lab: BNW

ANIMAL ID: 1037

TRT#: 6

SEX: Male

DAY ON TEST: 366

DOSE: 7000 PPM

DISP: Terminal Sacrifice

HISTO: 19267

ORGAN AND ACCOUNTABLE SITE STATUS

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05135-05

Test Type: SIX MONTH EXPOS.

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Isoprene

CAS Number: 78-79-5

Date Report Requested: 10/16/2014

Time Report Requested: 02:39:36

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 1038

TRT#: 6

SEX: Male

DAY ON TEST: 366

DOSE: 7000 PPM

DISP: Terminal Sacrifice

HISTO: 19268

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Blood Vessel	* Bone
* Bone Marrow	* Brain	* Epididymis	* Esophagus
* Eye	* Heart	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Larynx	* Liver	* Lymph Node, Mandibular	* Lymph Node, Mesenteric
* Nose	* Pancreas	* Parathyroid Gland	* Peripheral Nerve
* Pharynx	* Preputial Gland	* Prostate	* Salivary Glands
* Seminal Vesicle	* Skin	* Spinal Cord	* Spleen
* Stomach, Forestomach	* Stomach, Glandular	* Thymus	* Thyroid Gland
* Trachea			

MISSING

* Lymph Node, Mediastinal	* Mammary Gland
---------------------------	-----------------

OBSERVATIONS

* Blood Vessel			
Note: Aorta is normal.			
* Islets, Pancreatic		Hyperplasia	Minimal
* Kidney	Bilateral	Nephropathy	Chronic, Minimal
* Lung	Perivascular	Hemorrhage	Multifocal, Moderate
		Hyperplasia	Lymphoid, Multifocal, Minimal
Note: Hemorrhage is subpleural.			
Note: Hemorrhage in this lung is more severe than usual and involves perivascular connective tissue and parenchymal alveoli in addition to the subpleural area.			
Note: The most likely cause of the hemorrhage is euthanasia with carbon dioxide.			
[Hemorrhage TGLS = 1-3]			
* Lymph Node, Bronchial		Congestion	
Note: Tracheobronchial lymph node has red blood cells present in subcapsular and/or medullary sinuses.			
[Congestion TGLS = 3-8]			
* Perph Nerve			
Note: Sciatic nerve is normal.			
* Pituitary Gland		Adenoma	
Note: -B-Adenoma			

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05135-05
Test Type: SIX MONTH EXPOS.
Route: RESPIRATORY EXPOSURE WHOLE BODY
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Isoprene
CAS Number: 78-79-5

Date Report Requested: 10/16/2014
Time Report Requested: 02:39:36
First Dose M/F: NA / NA
Lab: BNW

ANIMAL ID: 1038

TRT#: 6
DOSE: 7000 PPM

SEX: Male
DISP: Terminal Sacrifice

DAY ON TEST: 366
HISTO: 19268

ORGAN AND ACCOUNTABLE SITE STATUS

* Testes	Interstit Cell	Hyperplasia	Moderate
* Urinary Bladder		Calculus Micro Observation Only	
[Calculus Micro Observation Only TGLS = 3-8]			

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05135-05

Test Type: SIX MONTH EXPOS.

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Isoprene

CAS Number: 78-79-5

Date Report Requested: 10/16/2014

Time Report Requested: 02:39:36

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 1039

TRT#: 6

SEX: Male

DAY ON TEST: 366

DOSE: 7000 PPM

DISP: Terminal Sacrifice

HISTO: 19269

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Blood Vessel	* Bone
* Bone Marrow	* 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, Mandibular	* Lymph Node, Mediastinal
* Lymph Node, Mesenteric	* Nose	* Pancreas	* Parathyroid Gland
* Peripheral Nerve	* Pharynx	* Preputial Gland	* Prostate
* Salivary Glands	* Seminal Vesicle	* Skin	* Spinal Cord
* Spleen	* Stomach, Forestomach	* Stomach, Glandular	* Thymus
* Trachea	* Urinary Bladder		

MISSING

* Lymph Node, Bronchial	* Mammary Gland
-------------------------	-----------------

OBSERVATIONS

* Blood Vessel Note: Aorta is normal.			
* Kidney Note: TGL 3 = NCL	Bilateral	Nephropathy	Chronic, Minimal
* Liver [Hepatodiaphragmatic Nodule TGLS = 1-13]		Hepatodiaphragmatic Nodule	
* Lung Note: Hemorrhage is subpleural. [Hemorrhage TGLS = 2-3]		Hemorrhage	Multifocal, Mild
* Lym Node Bron Note: Tracheobronchial lymph node is missing.			
* Perph Nerve Note: Sciatic nerve is normal.			
* Pituitary Gland		Hyperplasia	Mild
* Testes	Interstit Cell	Hyperplasia	Marked
* Thyroid Gland		Cyst	

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05135-05
Test Type: SIX MONTH EXPOS.
Route: RESPIRATORY EXPOSURE WHOLE BODY
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Isoprene
CAS Number: 78-79-5

Date Report Requested: 10/16/2014
Time Report Requested: 02:39:36
First Dose M/F: NA / NA
Lab: BNW

ANIMAL ID: 1039

TRT#: 6

SEX: Male

DAY ON TEST: 366

DOSE: 7000 PPM

DISP: Terminal Sacrifice

HISTO: 19269

ORGAN AND ACCOUNTABLE SITE STATUS

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05135-05

Test Type: SIX MONTH EXPOS.

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Isoprene

CAS Number: 78-79-5

Date Report Requested: 10/16/2014

Time Report Requested: 02:39:36

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 1040

TRT#: 6

DOSE: 7000 PPM

SEX: Male

DISP: Terminal Sacrifice

DAY ON TEST: 366

HISTO: 19270

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Blood Vessel	* Bone
* Bone Marrow	* Brain	* Epididymis	* Esophagus
* Eye	* Heart	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Larynx	* Liver	* Lymph Node, Mesenteric	* Pancreas
* Parathyroid Gland	* Peripheral Nerve	* Pharynx	* Preputial Gland
* Prostate	* Salivary Glands	* Seminal Vesicle	* Skin
* Spinal Cord	* Spleen	* Stomach, Forestomach	* Stomach, Glandular
* Thymus	* Thyroid Gland	* Trachea	* Urinary Bladder

MISSING

* Mammary Gland

OBSERVATIONS

* Blood Vessel			
Note: Aorta is normal.			
* Islets, Pancreatic		Hyperplasia	Minimal
* Kidney	Bilateral	Nephropathy	Chronic, Mild
* Lung		Hemorrhage	Multifocal, Minimal
	Perivascular	Hyperplasia	Lymphoid, Multifocal, Minimal
	Alveolus	Infiltration Cellular	Histiocyte, Multifocal, Minimal
Note: Hemorrhage is subpleural.			
* Lymph Node, Bronchial		Hyperplasia	
Note: Reactive hyperplasia present in Tracheobronchial lymph node.			
* Lymph Node, Mandibular		Hyperplasia	
Note: Hyperplasia is reactive.			
* Lymph Node, Mediastinal		Hyperplasia	
Note: Hyperplasia is reactive.			
* Nose	Turbinate	Inflammation	Suppurative, Moderate
* Perph Nerve			
Note: Sciatic nerve is normal.			
* Pituitary Gland		Hyperplasia	Mild

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05135-05
Test Type: SIX MONTH EXPOS.
Route: RESPIRATORY EXPOSURE WHOLE BODY
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Isoprene
CAS Number: 78-79-5

Date Report Requested: 10/16/2014
Time Report Requested: 02:39:36
First Dose M/F: NA / NA
Lab: BNW

ANIMAL ID: 1040

TRT#: 6
DOSE: 7000 PPM

SEX: Male
DISP: Terminal Sacrifice

DAY ON TEST: 366
HISTO: 19270

ORGAN AND ACCOUNTABLE SITE STATUS

* Testes	Interstit Cell	Hyperplasia	Mild
----------	----------------	-------------	------

PRIMARY CAUSE OF DEATH	-
------------------------	---

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05135-05

Test Type: SIX MONTH EXPOS.

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Isoprene

CAS Number: 78-79-5

Date Report Requested: 10/16/2014

Time Report Requested: 02:39:36

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 1041

TRT#: 6

DOSE: 7000 PPM

SEX: Male

DISP: Scheduled Sacrifice

DAY ON TEST: 186

HISTO: 19271

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Blood Vessel	* Bone
* Bone Marrow	* 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	* Kidney	* Larynx	* Lymph Node, Mandibular
* Lymph Node, Mesenteric	* Pancreas	* Parathyroid Gland	* Peripheral Nerve
* Pharynx	* Pituitary Gland	* Preputial Gland	* Prostate
* Salivary Glands	* Seminal Vesicle	* Skin	* Spinal Cord
* Spleen	* Stomach, Forestomach	* Stomach, Glandular	* Thymus
* Thyroid Gland	* Trachea	* Urinary Bladder	

MISSING

* Lymph Node, Mediastinal	* Mammary Gland
---------------------------	-----------------

OBSERVATIONS

* Blood Vessel Note: Aorta is normal.		
Harderian Gland Note: Hyperplasia is reactive.	Hyperplasia	Lymphoid, Multifocal, Mild
* Liver	Inflammation	Focal, Minimal
* Lung Note: Hemorrhage is subpleural. [Hemorrhage TGLS = 2-3]	Hemorrhage	Multifocal, Moderate
* Lym Node Media Note: Mediastinal lymph node could not be found on either the original section or on recuts of block 2. Note: TGL 1 = NCL		
* Lymph Node, Bronchial Note: Tracheobronchial lymph node has red blood cells present in subcapsular and/or medullary sinuses.	Congestion	
* Nose Note: Mixed cell infiltrates present in Lamina Propria.	Turbinate Infiltration Cellular	Mixed Cell, Minimal
* Perph Nerve Note: Sciatic nerve is normal.		

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05135-05
Test Type: SIX MONTH EXPOS.
Route: RESPIRATORY EXPOSURE WHOLE BODY
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Isoprene
CAS Number: 78-79-5

Date Report Requested: 10/16/2014
Time Report Requested: 02:39:36
First Dose M/F: NA / NA
Lab: BNW

ANIMAL ID: 1041	TRT#: 6	SEX: Male	DAY ON TEST: 186
	DOSE: 7000 PPM	DISP: Scheduled Sacrifice	HISTO: 19271

ORGAN AND ACCOUNTABLE SITE STATUS

* Testes	Interstit Cell	Hyperplasia	Minimal
PRIMARY CAUSE OF DEATH	-		

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05135-05

Test Type: SIX MONTH EXPOS.

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Isoprene

CAS Number: 78-79-5

Date Report Requested: 10/16/2014

Time Report Requested: 02:39:36

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 1042

TRT#: 6

DOSE: 7000 PPM

SEX: Male

DISP: Scheduled Sacrifice

DAY ON TEST: 186

HISTO: 19272

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Blood Vessel	* Bone
* Bone Marrow	* 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	* Kidney	* Larynx	* Liver
* Lymph Node, Bronchial	* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Nose
* Pancreas	* Parathyroid Gland	* Peripheral Nerve	* Pharynx
* Pituitary Gland	* Preputial Gland	* Prostate	* Salivary Glands
* Seminal Vesicle	* Skin	* Spinal Cord	* Spleen
* Stomach, Forestomach	* Stomach, Glandular	* Thymus	* Thyroid Gland
* Trachea	* Urinary Bladder		

OBSERVATIONS

* Blood Vessel			
Note: Aorta is normal.			
* Lung	Alveolus	Hemorrhage	Minimal
	Alveolar Epith	Hemorrhage	Multifocal, Mild
	Alveolus	Hyperplasia	Mild
		Infiltration Cellular	Histiocyte, Mild
Note: Hyperplasia, Alveolar Epithelium is Type 2 Cell.			
Note: Hemorrhage, mild is subpleural.			
[Hemorrhage TGLS = 1,2 - 13+3]			
* Lym Node Bron			
Note: Tracheobronchial lymph node is normal.			
* Lymph Node, Mediastinal		Congestion	
Note: Red blood cells present in cortical and/or medullary sinuses.			
* Mammary Gland		Hyperplasia	Mild
Note: Hyperplasia is glandular.			
* Perph Nerve			
Note: Sciatic nerve is normal.			
* Testes	Interstit Cell	Hyperplasia	Minimal

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05135-05
Test Type: SIX MONTH EXPOS.
Route: RESPIRATORY EXPOSURE WHOLE BODY
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Isoprene
CAS Number: 78-79-5

Date Report Requested: 10/16/2014
Time Report Requested: 02:39:36
First Dose M/F: NA / NA
Lab: BNW

ANIMAL ID: 1042

TRT#: 6

SEX: Male

DAY ON TEST: 186

DOSE: 7000 PPM

DISP: Scheduled Sacrifice

HISTO: 19272

ORGAN AND ACCOUNTABLE SITE STATUS

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05135-05

Test Type: SIX MONTH EXPOS.

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Isoprene

CAS Number: 78-79-5

Date Report Requested: 10/16/2014

Time Report Requested: 02:39:36

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 1043

TRT#: 6

DOSE: 7000 PPM

SEX: Male

DISP: Terminal Sacrifice

DAY ON TEST: 366

HISTO: 19273

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Blood Vessel	* Bone
* Bone Marrow	* 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	* Liver	* Lymph Node, Mediastinal
* Lymph Node, Mesenteric	* Nose	* Parathyroid Gland	* Peripheral Nerve
* Pharynx	* Preputial Gland	* Prostate	* Salivary Glands
* Seminal Vesicle	* Skin	* Spinal Cord	* Stomach, Forestomach
* Stomach, Glandular	* Thyroid Gland	* Trachea	* Urinary Bladder

MISSING

* Lymph Node, Bronchial	* Mammary Gland	* Thymus
-------------------------	-----------------	----------

OBSERVATIONS

* Blood Vessel Note: Aorta is normal.			
* Kidney [Nephropathy TGLS = 3-5]	Bilateral	Nephropathy	Chronic, Mild
* Lung Note: Hemorrhage is subpleural. [Hemorrhage TGLS = 2-3]	Perivascular	Hemorrhage Hyperplasia	Multifocal, Minimal Lymphoid, Multifocal, Minimal
* Lym Node Bron Note: Tracheobronchial lymph node is missing.			
* Lymph Node, Mandibular Note: Hyperplasia is reactive.		Hyperplasia	
* Pancreas Note: Atrophy is exocrine.		Atrophy	Minimal
* Perph Nerve Note: Sciatic nerve is normal.			
* Pituitary Gland Note: -B-Adenoma		Adenoma	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05135-05
Test Type: SIX MONTH EXPOS.
Route: RESPIRATORY EXPOSURE WHOLE BODY
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Isoprene
CAS Number: 78-79-5

Date Report Requested: 10/16/2014
Time Report Requested: 02:39:36
First Dose M/F: NA / NA
Lab: BNW

ANIMAL ID: 1043

TRT#: 6

SEX: Male

DAY ON TEST: 366

DOSE: 7000 PPM

DISP: Terminal Sacrifice

HISTO: 19273

ORGAN AND ACCOUNTABLE SITE STATUS

[Adenoma TGLS = 4-8]

* Spleen

Accessory Spleen

Note: The deformity noted grossly appears to be a cleft in the splenic capsule. The parenchyma is histologically normal.

[Accessory Spleen TGLS = 1-13]

* Testes

Interstit Cell

Adenoma

Interstit Cell

Hyperplasia

Marked

Note: -B-Adenoma

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05135-05

Test Type: SIX MONTH EXPOS.

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Isoprene

CAS Number: 78-79-5

Date Report Requested: 10/16/2014

Time Report Requested: 02:39:36

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 1044

TRT#: 6

SEX: Male

DAY ON TEST: 366

DOSE: 7000 PPM

DISP: Terminal Sacrifice

HISTO: 19274

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Blood Vessel	* Bone
* Bone Marrow	* 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, Mandibular	* Lymph Node, Mesenteric
* Nose	* Pancreas	* Parathyroid Gland	* Peripheral Nerve
* Pharynx	* Preputial Gland	* Prostate	* Salivary Glands
* Seminal Vesicle	* Skin	* Spinal Cord	* Spleen
* Stomach, Forestomach	* Stomach, Glandular	* Thymus	* Thyroid Gland
* Trachea	* Urinary Bladder		

MISSING

* Mammary Gland

OBSERVATIONS

* Blood Vessel Note: Aorta is normal.			
* Kidney Note: Cholangiofibrosis.	Bilateral	Nephropathy Fibrosis	Chronic, Minimal Minimal
* Liver Note: Hemorrhage is subpleural. [Hemorrhage TGLS = 1-3]			
* Lung Note: Hemorrhage is subpleural. [Hemorrhage TGLS = 1-3]	Perivascular	Hemorrhage Hyperplasia	Multifocal, Mild Lymphoid, Multifocal, Minimal
* Lymph Node, Bronchial Note: Reactive hyperplasia present in Tracheobronchial lymph node.		Hyperplasia	
* Lymph Node, Mediastinal Note: Hyperplasia is reactive. Note: Red blood cells present in cortical and/or medullary sinuses.		Congestion Hyperplasia	
* Perph Nerve Note: Sciatic nerve is normal.			

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05135-05
Test Type: SIX MONTH EXPOS.
Route: RESPIRATORY EXPOSURE WHOLE BODY
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Isoprene
CAS Number: 78-79-5

Date Report Requested: 10/16/2014
Time Report Requested: 02:39:36
First Dose M/F: NA / NA
Lab: BNW

ANIMAL ID: 1044

TRT#: 6
DOSE: 7000 PPM

SEX: Male
DISP: Terminal Sacrifice

DAY ON TEST: 366
HISTO: 19274

ORGAN AND ACCOUNTABLE SITE STATUS

* Pituitary Gland

Hyperplasia

Minimal

* Testes

Interstit Cell

Hyperplasia

Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05135-05

Test Type: SIX MONTH EXPOS.

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Isoprene

CAS Number: 78-79-5

Date Report Requested: 10/16/2014

Time Report Requested: 02:39:36

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 1045

TRT#: 6

DOSE: 7000 PPM

SEX: Male

DISP: Terminal Sacrifice

DAY ON TEST: 366

HISTO: 19275

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Blood Vessel	* Bone
* Bone Marrow	* Brain	* Epididymis	* Esophagus
* Eye	* Heart	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Larynx	* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Nose
* Parathyroid Gland	* Peripheral Nerve	* Pharynx	* Pituitary Gland
* Preputial Gland	* Prostate	* Salivary Glands	* Seminal Vesicle
* Skin	* Spinal Cord	* Spleen	* Stomach, Forestomach
* Stomach, Glandular	* Thymus	* Thyroid Gland	* Trachea
* Urinary Bladder			

MISSING

* Lymph Node, Mediastinal	* Mammary Gland
---------------------------	-----------------

OBSERVATIONS

* Blood Vessel			
Note: Aorta is normal.			
* Islets, Pancreatic		Hyperplasia	Minimal
* Kidney	Bilateral	Nephropathy	Chronic, Minimal
* Liver		Necrosis	Multifocal, Minimal
* Lung		Hemorrhage	Multifocal, Minimal
	Perivascular	Hyperplasia	Lymphoid, Multifocal, Minimal
	Alveolus	Infiltration Cellular	Histiocyte, Multifocal, Minimal
Note: Hemorrhage is subpleural.			
[Hemorrhage TGLS = 2-3]			
* Lymph Node, Bronchial		Congestion	
Note: Tracheobronchial lymph node has red blood cells present in subcapsular and/or medullary sinuses.			
* Pancreas		Atrophy	Minimal
Note: Atrophy is exocrine.			
* Perph Nerve			
Note: Sciatic nerve is normal.			
* Pituitary Gl			

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05135-05
Test Type: SIX MONTH EXPOS.
Route: RESPIRATORY EXPOSURE WHOLE BODY
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Isoprene
CAS Number: 78-79-5

Date Report Requested: 10/16/2014
Time Report Requested: 02:39:36
First Dose M/F: NA / NA
Lab: BNW

ANIMAL ID: 1045

TRT#: 6
DOSE: 7000 PPM

SEX: Male
DISP: Terminal Sacrifice

DAY ON TEST: 366
HISTO: 19275

ORGAN AND ACCOUNTABLE SITE STATUS

Note: TGL 1 = NCL

* Testes	Interstit Cell	Hyperplasia	Moderate
----------	----------------	-------------	----------

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05135-05

Test Type: SIX MONTH EXPOS.

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Isoprene

CAS Number: 78-79-5

Date Report Requested: 10/16/2014

Time Report Requested: 02:39:36

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 1046

TRT#: 6

SEX: Male

DAY ON TEST: 366

DOSE: 7000 PPM

DISP: Terminal Sacrifice

HISTO: 19276

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Blood Vessel	* Bone
* Bone Marrow	* Brain	* Epididymis	* Esophagus
* Eye	* 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	* Peripheral Nerve	* Pharynx
* Pituitary Gland	* Preputial Gland	* Prostate	* Salivary Glands
* Seminal Vesicle	* Skin	* Spinal Cord	* Spleen
* Stomach, Forestomach	* Stomach, Glandular	* Thymus	* Thyroid Gland
* Trachea	* Urinary Bladder		

MISSING

* Lymph Node, Mediastinal	* Mammary Gland
---------------------------	-----------------

OBSERVATIONS

* Blood Vessel			
Note: Aorta is normal.			
* Heart		Cardiomyopathy	Minimal
* Kidney	Bilateral	Nephropathy	Chronic, Mild
* Liver		Hepatodiaphragmatic Nodule	
[Hepatodiaphragmatic Nodule TGLS = 1-13]			
* Lung		Hemorrhage	Multifocal, Mild
Note: Hemorrhage is subpleural.			
[Hemorrhage TGLS = 2-3]			
* Lymph Node, Bronchial		Congestion	
Note: Tracheobronchial lymph node has red blood cells present in subcapsular and/or medullary sinuses.			
* Perph Nerve			
Note: Sciatic nerve is normal.			
* Testes	Interstit Cell	Adenoma	
	Interstit Cell	Hyperplasia	Mild
Note: -B-Adenoma			
[Adenoma TGLS = 3-7]			

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05135-05
Test Type: SIX MONTH EXPOS.
Route: RESPIRATORY EXPOSURE WHOLE BODY
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Isoprene
CAS Number: 78-79-5

Date Report Requested: 10/16/2014
Time Report Requested: 02:39:36
First Dose M/F: NA / NA
Lab: BNW

ANIMAL ID: 1046

TRT#: 6

SEX: Male

DAY ON TEST: 366

DOSE: 7000 PPM

DISP: Terminal Sacrifice

HISTO: 19276

ORGAN AND ACCOUNTABLE SITE STATUS

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05135-05
Test Type: SIX MONTH EXPOS.
Route: RESPIRATORY EXPOSURE WHOLE BODY
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Isoprene
CAS Number: 78-79-5

Date Report Requested: 10/16/2014
Time Report Requested: 02:39:36
First Dose M/F: NA / NA
Lab: BNW

ANIMAL ID: 1047

TRT#: 6

SEX: Male

DAY ON TEST: 366

DOSE: 7000 PPM

DISP: Terminal Sacrifice

HISTO: 19277

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Blood Vessel	* Bone
* Bone Marrow	* Brain	* Epididymis	* Esophagus
* Eye	* 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	* Peripheral Nerve
* Pharynx	* Pituitary Gland	* Preputial Gland	* Prostate
* Salivary Glands	* Seminal Vesicle	* Skin	* Spinal Cord
* Spleen	* Stomach, Forestomach	* Stomach, Glandular	* Thymus
* Thyroid Gland	* Trachea	* Urinary Bladder	

MISSING

* Mammary Gland

OBSERVATIONS

* Blood Vessel			
Note: Aorta is normal.			
* Heart		Cardiomyopathy	Minimal
* Kidney	Bilateral	Nephropathy	Chronic, Minimal
* Liver		Necrosis	Multifocal, Minimal
Note: TGL 1 = NCL			
Note: It is unlikely that the few small foci of necrosis observed microscopically corresponds to the diffuse mottled appearance that was described grossly.			
* Lung		Hemorrhage	Multifocal, Minimal
	Perivascular	Hyperplasia	Lymphoid, Multifocal, Minimal
	Alveolus	Infiltration Cellular	Histiocyte, Multifocal, Minimal
Note: Hemorrhage is subpleural.			
* Lym Node Bron			
Note: Tracheobronchial lymph node is normal.			
* Lymph Node, Mandibular		Hyperplasia	
Note: Hyperplasia is reactive.			
* Perph Nerve			
Note: Sciatic nerve is normal.			

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05135-05
Test Type: SIX MONTH EXPOS.
Route: RESPIRATORY EXPOSURE WHOLE BODY
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Isoprene
CAS Number: 78-79-5

Date Report Requested: 10/16/2014
Time Report Requested: 02:39:36
First Dose M/F: NA / NA
Lab: BNW

ANIMAL ID: 1047

TRT#: 6
DOSE: 7000 PPM

SEX: Male
DISP: Terminal Sacrifice

DAY ON TEST: 366
HISTO: 19277

ORGAN AND ACCOUNTABLE SITE STATUS

* Testes	Interstit Cell	Hyperplasia	Marked
----------	----------------	-------------	--------

PRIMARY CAUSE OF DEATH	-
------------------------	---

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05135-05

Test Type: SIX MONTH EXPOS.

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Isoprene

CAS Number: 78-79-5

Date Report Requested: 10/16/2014

Time Report Requested: 02:39:36

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 1048

TRT#: 6

SEX: Male

DAY ON TEST: 366

DOSE: 7000 PPM

DISP: Terminal Sacrifice

HISTO: 19278

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Blood Vessel	* Bone
* Bone Marrow	* Brain	* Esophagus	* Eye
* Heart	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Larynx	* Liver	* Lymph Node, Mandibular	* Lymph Node, Mediastinal
* Lymph Node, Mesenteric	* Nose	* Pancreas	* Parathyroid Gland
* Peripheral Nerve	* Pharynx	* Pituitary Gland	* Preputial Gland
* Prostate	* Salivary Glands	* Seminal Vesicle	* Skin
* Spinal Cord	* Spleen	* Stomach, Forestomach	* Stomach, Glandular
* Thymus	* Thyroid Gland	* Trachea	

MISSING

* Mammary Gland

OBSERVATIONS

* Blood Vessel			
Note: Aorta is normal.			
* Epididymis		Mesothelioma Benign	
Note: -M-Mesothelioma			
Harderian Gland		Hyperplasia	Lymphoid, Multifocal, Mild
Note: Hyperplasia is reactive.			
* Kidney	Bilateral	Nephropathy	Chronic, Minimal
* Lung		Hemorrhage	Multifocal, Minimal
	Perivascular	Hyperplasia	Lymphoid, Multifocal, Mild
	Alveolus	Infiltration Cellular	Histiocyte, Multifocal, Minimal
Note: Hemorrhage is subpleural.			
[Hemorrhage TGLS = 1-3]			
* Lymph Node, Bronchial		Congestion	
Note: Tracheobronchial lymph node has red blood cells present in subcapsular and/or medullary sinuses.			
[Congestion TGLS = 3-8]			
* Perph Nerve			
Note: Sciatic nerve is normal.			

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05135-05
Test Type: SIX MONTH EXPOS.
Route: RESPIRATORY EXPOSURE WHOLE BODY
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Isoprene
CAS Number: 78-79-5

Date Report Requested: 10/16/2014
Time Report Requested: 02:39:36
First Dose M/F: NA / NA
Lab: BNW

ANIMAL ID: 1048	TRT#: 6 DOSE: 7000 PPM	SEX: Male DISP: Terminal Sacrifice	DAY ON TEST: 366 HISTO: 19278
------------------------	---	---	--

ORGAN AND ACCOUNTABLE SITE STATUS

* Testes	Interstit Cell Interstit Cell	Adenoma Hyperplasia	Multiple Marked
Note: -B-Adenoma [Adenoma TGLS = 2-7]			
* Urinary Bladder [Calculus Micro Observation Only TGLS = 3-8]		Calculus Micro Observation Only	

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05135-05
Test Type: SIX MONTH EXPOS.
Route: RESPIRATORY EXPOSURE WHOLE BODY
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Isoprene
CAS Number: 78-79-5

Date Report Requested: 10/16/2014
Time Report Requested: 02:39:36
First Dose M/F: NA / NA
Lab: BNW

ANIMAL ID: 1049

TRT#: 6

SEX: Male

DAY ON TEST: 366

DOSE: 7000 PPM

DISP: Terminal Sacrifice

HISTO: 19279

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Mammary Gland

OBSERVATIONS

* Blood Vessel			
Note: Aorta is normal.			
* Islets, Pancreatic		Hyperplasia	Minimal
* Kidney	Bilateral	Nephropathy	Chronic, Minimal
* Liver		Hepatodiaphragmatic Nodule	
[Hepatodiaphragmatic Nodule TGLS = 1-13]			
* Lung		Hemorrhage	Multifocal, Minimal
	Alveolar Epith	Hyperplasia	Multifocal, Mild
	Peribronchial	Hyperplasia	Lymphoid, Multifocal, Minimal
	Perivascular	Hyperplasia	Lymphoid, Multifocal, Mild
	Alveolus	Infiltration Cellular	Histiocyte, Multifocal, Mild
Note: Hemorrhage is subpleural.			
Note: Hyperplasia, alveolar epithelium is a type 2 cell.			
[Hemorrhage TGLS = 2-3]			
* Lymph Node, Bronchial		Hyperplasia	
Note: Hyperplasia is reactive in the tracheobronchial lymph node.			
* Lymph Node, Mediastinal		Hyperplasia	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05135-05
Test Type: SIX MONTH EXPOS.
Route: RESPIRATORY EXPOSURE WHOLE BODY
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Isoprene
CAS Number: 78-79-5

Date Report Requested: 10/16/2014
Time Report Requested: 02:39:36
First Dose M/F: NA / NA
Lab: BNW

ANIMAL ID: 1049

TRT#: 6

SEX: Male

DAY ON TEST: 366

DOSE: 7000 PPM

DISP: Terminal Sacrifice

HISTO: 19279

ORGAN AND ACCOUNTABLE SITE STATUS

Note: Hyperplasia is reactive.

* Perph Nerve

Note: Sciatic nerve is normal.

* Testes

Interstit Cell

Hyperplasia

Marked

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05135-05

Test Type: SIX MONTH EXPOS.

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Isoprene

CAS Number: 78-79-5

Date Report Requested: 10/16/2014

Time Report Requested: 02:39:36

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 1050

TRT#: 6

DOSE: 7000 PPM

SEX: Male

DISP: Scheduled Sacrifice

DAY ON TEST: 186

HISTO: 19280

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Blood Vessel	* Bone
* Bone Marrow	* 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	* Kidney	* Larynx	* Liver
* Lymph Node, Bronchial	* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Nose
* Parathyroid Gland	* Peripheral Nerve	* Pharynx	* Pituitary Gland
* Preputial Gland	* Prostate	* Salivary Glands	* Seminal Vesicle
* Skin	* Spinal Cord	* Spleen	* Stomach, Forestomach
* Stomach, Glandular	* Thymus	* Thyroid Gland	* Trachea
* Urinary Bladder			

MISSING

* Mammary Gland

OBSERVATIONS

* Blood Vessel		
Note: Aorta is normal.		
Harderian Gland	Hyperplasia	Lymphoid, Multifocal, Mild
Note: Hyperplasia is reactive.		
* Lung	Hemorrhage	Multifocal, Moderate
Note: Hemorrhage is subpleural.		
[Hemorrhage TGLS = 2-3]		
* Lym Node Bron		
Note: Tracheobronchial lymph node is normal.		
* Lymph Node, Mediastinal	Congestion	
Note: Red blood cells present in cortical and/or medullary sinuses.		
[Congestion TGLS = 1-2]		
* Pancreas	Atrophy	Minimal
Note: Atrophy is exocrine.		
* Perph Nerve		
Note: Sciatic nerve is normal.		

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05135-05
Test Type: SIX MONTH EXPOS.
Route: RESPIRATORY EXPOSURE WHOLE BODY
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Isoprene
CAS Number: 78-79-5

Date Report Requested: 10/16/2014
Time Report Requested: 02:39:36
First Dose M/F: NA / NA
Lab: BNW

ANIMAL ID: 1050

TRT#: 6
DOSE: 7000 PPM

SEX: Male
DISP: Scheduled Sacrifice

DAY ON TEST: 186
HISTO: 19280

ORGAN AND ACCOUNTABLE SITE STATUS

* Testes	Interstit Cell	Hyperplasia	Mild
PRIMARY CAUSE OF DEATH	-		

**** END OF REPORT ****