

**Experiment Number:** 05135-06  
**Test Type:** SIX MONTH EXPOS.  
**Route:** RESPIRATORY EXPOSURE WHOLE BODY  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

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

**Date Report Requested:** 10/16/2014  
**Time Report Requested:** 02:43:51  
**First Dose M/F:** NA / NA  
**Lab:** BNW

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

Experiment Number: 05135-06

Test Type: SIX MONTH EXPOS.

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Isoprene

CAS Number: 78-79-5

Date Report Requested: 10/16/2014

Time Report Requested: 02:43:51

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 11

TRT#: 1

SEX: Male

DAY ON TEST: 373

DOSE: CONTROL

DISP: Terminal Sacrifice

HISTO: 19541

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

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

* Blood Vessel Note: Aorta is normal.			
* Kidney	Bilateral, Renal Tubule	Hyperplasia	Minimal
* Liver		Vacuolization Cytoplasmic	Minimal
* Lym Node Bron Note: Tracheobronchial lymph node is normal.			
* Perph Nerve Note: Sciatic nerve is normal,			

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

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

**Date Report Requested:** 10/16/2014  
**Time Report Requested:** 02:43:51  
**First Dose M/F:** NA / NA  
**Lab:** BNW

**ANIMAL ID:** 12

**TRT#:** 1  
**DOSE:** CONTROL

**SEX:** Male  
**DISP:** Moribund Sacrifice

**DAY ON TEST:** 289  
**HISTO:** 19542

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

* Adrenal Cortex	* Adrenal Medulla	* Blood Vessel	* Bone
* Brain	* Epididymis	* Esophagus	* Eye
* Gallbladder	* Harderian Gland	* Heart	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Kidney	* Larynx
* Liver	* Lung	* Lymph Node, Bronchial	* Lymph Node, Mediastinal
* Lymph Node, Mesenteric	* Nose	* Pancreas	* Parathyroid Gland
Penis	* Peripheral Nerve	* Pharynx	* Preputial Gland
* Salivary Glands	* Seminal Vesicle	* Skeletal Muscle	* Spinal Cord
* Stomach, Forestomach	* Stomach, Glandular	* Testes	* Thymus
* Thyroid Gland	* Tongue	* Trachea	* Zymbal's Gland

**MISSING**

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

* Blood Vessel			
Note: Aorta is normal.			
* Bone Marrow		Hyperplasia	Moderate
Note: Hyperplasia is granulocytic and related to preputial inflammation.			
* Kidney			
Note: Tgl 5 = NCL. Kidney pelvis not significantly dilated.			
* Lym Node Bron			
Note: Tracheobronchial lymph node is normal.			
Lymph Node	Iliac	Hyperplasia	Mild
	Inguinal	Hyperplasia	Mild
[ Hyperplasia TGLS = 6-14 ]			
[ Hyperplasia TGLS = 7-15 ]			
Penis			
Note: Tgl 4 is a seminal plug and not considered a lesion.			
* Perph Nerve			
Note: Sciatic nerve is normal.			

\* PROTOCOL REQUIRED TISSUE

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**Route:** RESPIRATORY EXPOSURE WHOLE BODY  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

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

**Date Report Requested:** 10/16/2014  
**Time Report Requested:** 02:43:51  
**First Dose M/F:** NA / NA  
**Lab:** BNW

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<b>ANIMAL ID:</b> 12	<b>TRT#:</b> 1 <b>DOSE:</b> CONTROL	<b>SEX:</b> Male <b>DISP:</b> Moribund Sacrifice	<b>DAY ON TEST:</b> 289 <b>HISTO:</b> 19542
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**ORGAN AND ACCOUNTABLE SITE STATUS**

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* Pituitary Gland	Pars Distalis Pars Intermed	Cyst Hyperplasia	Marked
* Preputial GI Note: Tgl 1 is in dilated prepuce related to chronic inflammation.			
* Skin [ Inflammation TGLS = 2-12 ]	Prepuce	Inflammation	Chronic, Marked
* Spleen Note: Extramedullary.		Hematopoietic Cell Proliferation	Mild
* Urinary Bladder [ Dilatation TGLS = 3-13 ]		Dilatation	Mild

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PRIMARY CAUSE OF DEATH

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\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05135-06

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Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Isoprene

CAS Number: 78-79-5

Date Report Requested: 10/16/2014

Time Report Requested: 02:43:51

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 13

TRT#: 1

SEX: Male

DAY ON TEST: 373

DOSE: CONTROL

DISP: Terminal Sacrifice

HISTO: 19543

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Blood Vessel	* Bone
* Bone Marrow	* Brain	* Epididymis	* Esophagus
* Eye	* Gallbladder	* Harderian Gland	* Heart
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Kidney
* Larynx	* Lung	* 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	* Skeletal Muscle
* Skin	* Spinal Cord	* Spleen	* Stomach, Forestomach
* Stomach, Glandular	* Testes	* Thymus	* Thyroid Gland
* Tongue	* Trachea	* Urinary Bladder	* Zymbal's Gland

MISSING

\* Mammary Gland

OBSERVATIONS

* Blood Vessel			
Note: Aorta is normal.			
* Liver		Basophilic Focus	Marked
[ Basophilic Focus TGLS = 1-4 ]			
* Lym Node Bron			
Note: Tracheobronchial lymph node is normal.			
* Perph Nerve			
Note: Sciatic nerve is normal.			
* Pituitary Gland	Pars Distalis	Cyst	

PRIMARY CAUSE OF DEATH

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\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05135-06

Test Type: SIX MONTH EXPOS.

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Isoprene

CAS Number: 78-79-5

Date Report Requested: 10/16/2014

Time Report Requested: 02:43:51

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 14

TRT#: 1

SEX: Male

DAY ON TEST: 373

DOSE: CONTROL

DISP: Terminal Sacrifice

HISTO: 19544

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Blood Vessel	* Bone	* Bone Marrow
* Brain	* Epididymis	* Esophagus	* Eye
* Gallbladder	* Heart	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Kidney	* Larynx	* Lung	* 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
* Skeletal Muscle	* Skin	* Spleen	* Testes
* Thymus	* Thyroid Gland	* Tongue	* Trachea
* Urinary Bladder	* Zymbal's Gland		

MISSING

* Lymph Node, Mediastinal	* Mammary Gland
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OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Minimal
* Blood Vessel			
Note: Aorta is normal.			
* Harderian Gland		Adenoma	
* Islets, Pancreatic		Hyperplasia	Minimal
* Liver		Vacuolization Cytoplasmic	Mild
* Lym Node Bron			
Note: Tracheobronchial lymph node is normal.			
* Perph Nerve			
Note: Sciatic nerve is normal.			
* Spinal Cord		Degeneration	Minimal
* Stomach, Forestomach	Epithelium	Hyperplasia	Mild
Note: Hyperplastic lesion at glandular/squamous junction and not like those observed in exposed mice. Lesion located adjacent to small ulcer in glandular stomach.			
* Stomach, Glandular		Ulcer	Minimal

PRIMARY CAUSE OF DEATH

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\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05135-06

Test Type: SIX MONTH EXPOS.

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Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Isoprene

CAS Number: 78-79-5

Date Report Requested: 10/16/2014

Time Report Requested: 02:43:51

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 15

TRT#: 1

SEX: Male

DAY ON TEST: 373

DOSE: CONTROL

DISP: Terminal Sacrifice

HISTO: 19545

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- |                          |                            |                           |                             |
|--------------------------|----------------------------|---------------------------|-----------------------------|
| * Adrenal Cortex         | * Adrenal Medulla          | * Blood Vessel            | * Bone                      |
| * Bone Marrow            | * Brain                    | * Epididymis              | * Esophagus                 |
| * Eye                    | * Gallbladder              | * Harderian Gland         | * Heart                     |
| * Intestine Large, Cecum | * Intestine Large, Colon   | * Intestine Large, Rectum | * Intestine Small, Duodenum |
| * Intestine Small, Ileum | * Intestine Small, Jejunum | * Islets, Pancreatic      | * Kidney                    |
| * Larynx                 | * Lung                     | * 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         | * Skeletal Muscle           |
| * Spinal Cord            | * Stomach, Forestomach     | * Stomach, Glandular      | * Testes                    |
| * Thymus                 | * Thyroid Gland            | * Tongue                  | * Trachea                   |
| * Zymbal's Gland         |                            |                           |                             |

MISSING

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

OBSERVATIONS

- |   |         |                                  |                      |
|---|---------|----------------------------------|----------------------|
| * Blood Vessel                                  |         |                                  |                      |
| Note: Aorta is normal.                          |         |                                  |                      |
| * Liver   |         | Hepatocellular Adenoma           |                      |
| [ Hepatocellular Adenoma TGLS = 3-12+13 ]       |         |                                  |                      |
| * Lym Node Bron                                 |         |                                  |                      |
| Note: Tracheobronchial lymph node is normal.    |         |                                  |                      |
| * Perph Nerve                                   |         |                                  |                      |
| Note: Sciatic nerve is normal.                  |         |                                  |                      |
| * Skin  | Prepuce | Inflammation                     | Chronic, Marked      |
| [ Inflammation TGLS = 1-7+14 ]                  |         |                                  |                      |
| * Spleen  |         | Hematopoietic Cell Proliferation | Mild                 |
| Note: Extramedullary.                           |         |                                  |                      |
| [ Hematopoietic Cell Proliferation TGLS = 2-4 ] |         |                                  |                      |
| * Urinary Bladder                               |         | Inflammation                     | Suppurative, Minimal |

PRIMARY CAUSE OF DEATH

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\* PROTOCOL REQUIRED TISSUE

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**Species/Strain:** Mouse/B6C3F1

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

**Date Report Requested:** 10/16/2014  
**Time Report Requested:** 02:43:51  
**First Dose M/F:** NA / NA  
**Lab:** BNW

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**ANIMAL ID:** 15

**TRT#:** 1

**SEX:** Male

**DAY ON TEST:** 373

**DOSE:** CONTROL

**DISP:** Terminal Sacrifice

**HISTO:** 19545

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05135-06

Test Type: SIX MONTH EXPOS.

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Isoprene

CAS Number: 78-79-5

Date Report Requested: 10/16/2014

Time Report Requested: 02:43:51

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 16

TRT#: 1

SEX: Male

DAY ON TEST: 373

DOSE: CONTROL

DISP: Terminal Sacrifice

HISTO: 19546

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- \* Adrenal Cortex
- \* Bone Marrow
- \* Eye
- \* Intestine Large, Cecum
- \* Intestine Small, Ileum
- \* Larynx
- \* Pancreas
- \* Pituitary Gland
- \* Seminal Vesicle
- \* Spleen
- \* Thymus
- \* Urinary Bladder

- \* Adrenal Medulla
- \* Brain
- \* Gallbladder
- \* Intestine Large, Colon
- \* Intestine Small, Jejunum
- \* Lung
- \* Parathyroid Gland
- \* Preputial Gland
- \* Skeletal Muscle
- \* Stomach, Forestomach
- \* Thyroid Gland
- \* Zymbal's Gland

- \* Blood Vessel
- \* Epididymis
- \* Harderian Gland
- \* Intestine Large, Rectum
- \* Islets, Pancreatic
- \* Lymph Node, Mesenteric
- \* Peripheral Nerve
- \* Prostate
- \* Skin
- \* Stomach, Glandular
- \* Tongue

- \* Bone
- \* Esophagus
- \* Heart
- \* Intestine Small, Duodenum
- \* Kidney
- \* Nose
- \* Pharynx
- \* Salivary Glands
- \* Spinal Cord
- \* Testes
- \* Trachea

MISSING

- \* Lymph Node, Bronchial

- \* Lymph Node, Mandibular

- \* Lymph Node, Mediastinal

- \* Mammary Gland

OBSERVATIONS

- \* Blood Vessel  
Note: Aorta is normal.

- \* Liver  
Vacuolization Cytoplasmic

Mild

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

- \* Perph Nerve  
Note: Sciatic nerve is normal.

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05135-06

Test Type: SIX MONTH EXPOS.

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Isoprene

CAS Number: 78-79-5

Date Report Requested: 10/16/2014

Time Report Requested: 02:43:51

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 17

TRT#: 1

SEX: Male

DAY ON TEST: 373

DOSE: CONTROL

DISP: Terminal Sacrifice

HISTO: 19547

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

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

OBSERVATIONS

- |  |  |                           |         |
|--|--|---------------------------|---------|
| * Blood Vessel<br>Note: Aorta is normal.                         |  |                           |         |
| * Liver  |  | Vacuolization Cytoplasmic | Minimal |
| * Lym Node Bron<br>Note: Tracheobronchial lymph node is missing. |  |                           |         |
| * Perph Nerve<br>Note: Sciatic nerve is normal.                  |  |                           |         |

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05135-06

Test Type: SIX MONTH EXPOS.

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Isoprene

CAS Number: 78-79-5

Date Report Requested: 10/16/2014

Time Report Requested: 02:43:51

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 18

TRT#: 1

SEX: Male

DAY ON TEST: 373

DOSE: CONTROL

DISP: Terminal Sacrifice

HISTO: 19548

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Blood Vessel	* Bone	* Bone Marrow
* Brain	* Epididymis	* Esophagus	* Eye
* Gallbladder	* Harderian Gland	* Heart	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Kidney	* Larynx
* Lung	* Lymph Node, Bronchial	* 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	* Skeletal Muscle
* Skin	* Spinal Cord	* Spleen	* Stomach, Forestomach
* Stomach, Glandular	* Testes	* Thymus	* Thyroid Gland
* Tongue	* Trachea	* Urinary Bladder	* Zymbal's Gland

MISSING

\* Mammary Gland

OBSERVATIONS

* Adrenal Cortex	Hyperplasia	Minimal
* Blood Vessel Note: Aorta is normal.		
* Liver	Vacuolization Cytoplasmic	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: 05135-06

Test Type: SIX MONTH EXPOS.

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Isoprene

CAS Number: 78-79-5

Date Report Requested: 10/16/2014

Time Report Requested: 02:43:51

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 19

TRT#: 1

SEX: Male

DAY ON TEST: 371

DOSE: CONTROL

DISP: Terminal Sacrifice

HISTO: 19549

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Blood Vessel	* Bone	* Bone Marrow
* Brain	* Epididymis	* Esophagus	* Eye
* Gallbladder	* Harderian Gland	* Heart	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Kidney	* Larynx	* Lung
* 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	* Skeletal Muscle	* Skin	* Spinal Cord
* Spleen	* Stomach, Forestomach	* Stomach, Glandular	* Testes
* Thymus	* Thyroid Gland	* Tongue	* Trachea
* Urinary Bladder	* Zymbal's Gland		

MISSING

* Lymph Node, Mandibular	* Mammary Gland
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OBSERVATIONS

* Adrenal Cortex	Hyperplasia	Minimal
* Blood Vessel		
Note: Aorta is normal.		
* Islets, Pancreatic	Hyperplasia	Minimal
* Liver	Hepatocellular Carcinoma	Multiple
	Vacuolization Cytoplasmic	Minimal
[ Hepatocellular Carcinoma TGLS = 1,2-12+13 ]		
* Lym Node Bron		
Note: Tracheobronchial lymph node is normal.		
* Perph Nerve		
Note: Sciatic nerve is normal.		

PRIMARY CAUSE OF DEATH

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\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05135-06

Test Type: SIX MONTH EXPOS.

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Isoprene

CAS Number: 78-79-5

Date Report Requested: 10/16/2014

Time Report Requested: 02:43:52

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 20

TRT#: 1

SEX: Male

DAY ON TEST: 371

DOSE: CONTROL

DISP: Terminal Sacrifice

HISTO: 19550

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Blood Vessel	* Bone	* Bone Marrow
* Brain	* Epididymis	* Esophagus	* Eye
* Gallbladder	* Harderian Gland	* Heart	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Kidney	* Larynx
* Lymph Node, Bronchial	* Lymph Node, Mediastinal	* Lymph Node, Mesenteric	* Nose
* Pancreas	* Parathyroid Gland	* Peripheral Nerve	* Pharynx
* Pituitary Gland	* Preputial Gland	* Prostate	* Seminal Vesicle
* Skeletal Muscle	* Skin	* Spinal Cord	* Spleen
* Stomach, Forestomach	* Stomach, Glandular	* Testes	* Thymus
* Thyroid Gland	* Tongue	* Trachea	* Urinary Bladder
* Zymbal's Gland			

MISSING

* Lymph Node, Mandibular	* Mammary Gland
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OBSERVATIONS

* Adrenal Cortex	Hyperplasia	Minimal
* Blood Vessel		
Note: Aorta is normal.		
* Liver	Vacuolization Cytoplasmic	Mild
* Lung	Congestion	Mild
Note: Congestion is scattered and may be the result of irregular perfusion. [ Congestion TGLS = 1-4 ]		
* Lym Node Bron		
Note: Tracheobronchial lymph node is normal.		
* Perph Nerve		
Note: Sciatic nerve is normal.		
* Salivary Glands	Inflammation	Suppurative, Mild

PRIMARY CAUSE OF DEATH

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\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05135-06

Test Type: SIX MONTH EXPOS.

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Isoprene

CAS Number: 78-79-5

Date Report Requested: 10/16/2014

Time Report Requested: 02:43:52

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 21

TRT#: 1

SEX: Male

DAY ON TEST: 373

DOSE: CONTROL

DISP: Terminal Sacrifice

HISTO: 19551

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- |                          |                            |                           |                             |
|--------------------------|----------------------------|---------------------------|-----------------------------|
| * Adrenal Cortex         | * Adrenal Medulla          | * Blood Vessel            | * Bone                      |
| * Bone Marrow            | * Brain                    | * Epididymis              | * Esophagus                 |
| * Eye                    | * Gallbladder              | * Harderian Gland         | * Heart                     |
| * Intestine Large, Cecum | * Intestine Large, Colon   | * Intestine Large, Rectum | * Intestine Small, Duodenum |
| * Intestine Small, Ileum | * Intestine Small, Jejunum | * Kidney                  | * Larynx                    |
| * Lung                   | * Lymph Node, Bronchial    | * Lymph Node, Mandibular  | * Lymph Node, Mesenteric    |
| * Nose                   | * Pancreas                 | * Peripheral Nerve        | * Pharynx                   |
| * Pituitary Gland        | * Preputial Gland          | * Prostate                | * Salivary Glands           |
| * Seminal Vesicle        | * Skeletal Muscle          | * Skin                    | * Spinal Cord               |
| * Spleen                 | * Stomach, Forestomach     | * Stomach, Glandular      | * Testes                    |
| * Thymus                 | * Thyroid Gland            | * Tongue                  | * Trachea                   |
| * Urinary Bladder        | * Zymbal's Gland           |                           |                             |

MISSING

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

OBSERVATIONS

- |   |                           |         |
|---|---------------------------|---------|
| * Blood Vessel<br>Note: Aorta is normal.                        |                           |         |
| * Islets, Pancreatic  | Hyperplasia               | Minimal |
| * Liver   | Vacuolization Cytoplasmic | Mild    |
| * Lym Node Bron<br>Note: Tracheobronchial lymph node is normal. |                           |         |
| * Perph Nerve<br>Note: Sciatic nerve is normal.                 |                           |         |

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05135-06

Test Type: SIX MONTH EXPOS.

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Isoprene

CAS Number: 78-79-5

Date Report Requested: 10/16/2014

Time Report Requested: 02:43:52

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 22

TRT#: 1

SEX: Male

DAY ON TEST: 371

DOSE: CONTROL

DISP: Terminal Sacrifice

HISTO: 19552

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

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

OBSERVATIONS

- |  |                           |                   |
|--|---------------------------|-------------------|
| * Blood Vessel<br>Note: Aorta is normal.   |                           |                   |
| * Liver  | Vacuolization Cytoplasmic | Mild              |
| * Lung<br>Note: Congestion is scattered and may be the result of irregular perfusion.<br>[ Congestion TGLS = 1-4 ] | Congestion                | Mild              |
| * Lym Node Bron<br>Note: Tracheobronchial lymph node is normal.  |                           |                   |
| * Perph Nerve<br>Note: Sciatic nerve is normal.  |                           |                   |
| * Salivary Glands  | Inflammation              | Suppurative, Mild |
| * Spinal Cord  | Degeneration              | Minimal           |

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE



Experiment Number: 05135-06

Test Type: SIX MONTH EXPOS.

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Isoprene

CAS Number: 78-79-5

Date Report Requested: 10/16/2014

Time Report Requested: 02:43:52

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 24

TRT#: 1

SEX: Male

DAY ON TEST: 373

DOSE: CONTROL

DISP: Terminal Sacrifice

HISTO: 19554

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

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

* Blood Vessel Note: Aorta is normal.		
* Harderian Gland	Hyperplasia	Mild
* Islets, Pancreatic	Hyperplasia	Minimal
* Liver  [ Basophilic Focus TGLS = 2-4 ]	Basophilic Focus	
* Lung  [ Alveolar/Bronchiolar Adenoma TGLS = 1-3 ]	Vacuolization Cytoplasmic	Mild
* Lym Node Bron Note: Tracheobronchial lymph node is normal.	Alveolar/Bronchiolar Adenoma	
* Perph Nerve Note: Sciatic nerve is normal.		

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05135-06

Test Type: SIX MONTH EXPOS.

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Isoprene

CAS Number: 78-79-5

Date Report Requested: 10/16/2014

Time Report Requested: 02:43:52

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 25

TRT#: 1

SEX: Male

DAY ON TEST: 373

DOSE: CONTROL

DISP: Terminal Sacrifice

HISTO: 19555

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

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

* Adrenal Cortex	Hypertrophy	Focal, Minimal
* Blood Vessel Note: Aorta is normal.		
* Liver	Vacuolization Cytoplasmic	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: 05135-06

Test Type: SIX MONTH EXPOS.

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Isoprene

CAS Number: 78-79-5

Date Report Requested: 10/16/2014

Time Report Requested: 02:43:52

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 26

TRT#: 1

SEX: Male

DAY ON TEST: 373

DOSE: CONTROL

DISP: Terminal Sacrifice

HISTO: 19556

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Blood Vessel	* Bone	* Bone Marrow
* Epididymis	* Esophagus	* Eye	* Gallbladder
* Harderian Gland	* Heart	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Kidney	* Larynx	* Lung	* Lymph Node, Mandibular
* Lymph Node, Mediastinal	* Lymph Node, Mesenteric	* Nose	* Parathyroid Gland
* Peripheral Nerve	* Pharynx	* Pituitary Gland	* Preputial Gland
* Prostate	* Salivary Glands	* Seminal Vesicle	* Skeletal Muscle
* Skin	* Spinal Cord	* Stomach, Forestomach	* Stomach, Glandular
* Testes	* Thymus	* Thyroid Gland	* Tongue
* Trachea	* Urinary Bladder	* Zymbal's Gland	

MISSING

* Adrenal Medulla	* Lymph Node, Bronchial	* Mammary Gland
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OBSERVATIONS

* Blood Vessel Note: Aorta is normal.		
* Brain	Mineralization	Minimal
* Islets, Pancreatic	Hyperplasia	Mild
* Liver  [ Hepatocellular Adenoma TGLS = 1-12 ]	Hepatocellular Adenoma Vacuolization Cytoplasmic	Moderate
* Lym Node Bron Note: Tracheobronchial lymph node is missing.		
* Pancreas	Focal Cellular Change	Minimal
* Perph Nerve Note: Sciatic nerve is normal.		
* Spleen  [ Pigmentation TGLS = 2-4 ]	Pigmentation	Melanin, Mild

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05135-06

Test Type: SIX MONTH EXPOS.

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Isoprene

CAS Number: 78-79-5

Date Report Requested: 10/16/2014

Time Report Requested: 02:43:52

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 27

TRT#: 1

SEX: Male

DAY ON TEST: 373

DOSE: CONTROL

DISP: Terminal Sacrifice

HISTO: 19557

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- |                          |                            |                           |                             |
|--------------------------|----------------------------|---------------------------|-----------------------------|
| * Adrenal Cortex         | * Adrenal Medulla          | * Blood Vessel            | * Bone                      |
| * Bone Marrow            | * Brain                    | * Epididymis              | * Esophagus                 |
| * Eye                    | * Gallbladder              | * Harderian Gland         | * Heart                     |
| * Intestine Large, Cecum | * Intestine Large, Colon   | * Intestine Large, Rectum | * Intestine Small, Duodenum |
| * Intestine Small, Ileum | * Intestine Small, Jejunum | * Kidney                  | * Larynx                    |
| * Lung                   | * Lymph Node, Mandibular   | * Lymph Node, Mediastinal | * Lymph Node, Mesenteric    |
| * Nose                   | * Pancreas                 | * Peripheral Nerve        | * Pharynx                   |
| * Pituitary Gland        | * Preputial Gland          | * Prostate                | * Salivary Glands           |
| * Seminal Vesicle        | * Skeletal Muscle          | * Skin                    | * Spinal Cord               |
| * Spleen                 | * Stomach, Forestomach     | * Stomach, Glandular      | * Testes                    |
| * Thymus                 | * Thyroid Gland            | * Tongue                  | * Trachea                   |
| * Urinary Bladder        | * Zymbal's Gland           |                           |                             |

MISSING

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

OBSERVATIONS

- |  |                           |         |
|--|---------------------------|---------|
| * Blood Vessel<br>Note: Aorta is normal.                         |                           |         |
| * Islets, Pancreatic   | Hyperplasia               | Minimal |
| * Liver  | Vacuolization Cytoplasmic | Mild    |
| * Lym Node Bron<br>Note: Tracheobronchial lymph node is missing. |                           |         |
| * Perph Nerve<br>Note: Sciatic nerve is normal.                  |                           |         |

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05135-06  
**Test Type:** SIX MONTH EXPOS.  
**Route:** RESPIRATORY EXPOSURE WHOLE BODY  
**Species/Strain:** Mouse/B6C3F1

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

**Date Report Requested:** 10/16/2014  
**Time Report Requested:** 02:43:52  
**First Dose M/F:** NA / NA  
**Lab:** BNW

**ANIMAL ID:** 28

**TRT#:** 1  
**DOSE:** CONTROL

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

**DAY ON TEST:** 373  
**HISTO:** 19558

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

* Adrenal Medulla	* Blood Vessel	* Bone	* Bone Marrow
* Brain	* Epididymis	* Esophagus	* Eye
* Gallbladder	* Harderian Gland	* Heart	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Kidney	* Larynx	* Lung	* Lymph Node, Mediastinal
* Lymph Node, Mesenteric	* Nose	* Pancreas	* Parathyroid Gland
* Peripheral Nerve	* Pharynx	* Pituitary Gland	* Preputial Gland
* Prostate	* Salivary Glands	* Seminal Vesicle	* Skeletal Muscle
* Skin	* Spinal Cord	* Spleen	* Stomach, Forestomach
* Stomach, Glandular	* Testes	* Thymus	* Thyroid Gland
* Tongue	* Trachea	* Urinary Bladder	* Zymbal's Gland

**MISSING**

* Intestine Large, Rectum	* Lymph Node, Bronchial	* Lymph Node, Mandibular	* Mammary Gland
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**OBSERVATIONS**

* Adrenal Cortex	Hypertrophy	Focal, Minimal
* Blood Vessel Note: Aorta is normal.		
* Islets, Pancreatic	Hyperplasia	Mild
* Liver	Basophilic Focus	
	Eosinophilic Focus	
	Vacuolization Cytoplasmic	Minimal
[ Basophilic Focus TGLS = 1-12 ]		
* Lym Node Bron Note: Tracheobronchial lymph node is missing.		
* Perph Nerve Note: Sciatic nerve is normal.		
* Urin Bladder Note: TGL 2 = NCL. The bladder contains only a seminal plug.		

**PRIMARY CAUSE OF DEATH** -

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05135-06

Test Type: SIX MONTH EXPOS.

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Isoprene

CAS Number: 78-79-5

Date Report Requested: 10/16/2014

Time Report Requested: 02:43:52

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 29

TRT#: 1

SEX: Male

DAY ON TEST: 373

DOSE: CONTROL

DISP: Terminal Sacrifice

HISTO: 19559

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Lymph Node, Mediastinal	* Mammary Gland
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OBSERVATIONS

* Blood Vessel Note: Aorta is normal.		
* Liver	Vacuolization Cytoplasmic	Minimal
* Lung Note: There is some hemorrhage around adenoma. [ Alveolar/Bronchiolar Adenoma TGLS = 1-3 ]	Alveolar/Bronchiolar Adenoma	
* 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: 05135-06

Test Type: SIX MONTH EXPOS.

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Isoprene

CAS Number: 78-79-5

Date Report Requested: 10/16/2014

Time Report Requested: 02:43:52

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 30

TRT#: 1

SEX: Male

DAY ON TEST: 185

DOSE: CONTROL

DISP: Scheduled Sacrifice

HISTO: 19560

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- |                          |                            |                           |                             |
|--------------------------|----------------------------|---------------------------|-----------------------------|
| * Adrenal Cortex         | * Adrenal Medulla          | * Blood Vessel            | * Bone                      |
| * Bone Marrow            | * Brain                    | * Epididymis              | * Esophagus                 |
| * Eye                    | * Gallbladder              | * Harderian Gland         | * Heart                     |
| * Intestine Large, Cecum | * Intestine Large, Colon   | * Intestine Large, Rectum | * Intestine Small, Duodenum |
| * Intestine Small, Ileum | * Intestine Small, Jejunum | * Islets, Pancreatic      | * Kidney                    |
| * Larynx                 | * Liver                    | * Lung                    | * Lymph Node, Bronchial     |
| * 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        | * Skeletal Muscle          | * Skin                    | * Spinal Cord               |
| * Spleen                 | * Stomach, Forestomach     | * Stomach, Glandular      | * Testes                    |
| * Thymus                 | * Thyroid Gland            | * Tongue                  | * Trachea                   |
| * Urinary Bladder        | * Zymbal's Gland           |                           |                             |

MISSING

- \* Mammary Gland

OBSERVATIONS

- \* Blood Vessel  
Note: Aorta is normal.
- \* Eye  
Note: Tgl 1 = NCL. There are no apparent lesions in the eye.
- \* 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: 05135-06

Test Type: SIX MONTH EXPOS.

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Isoprene

CAS Number: 78-79-5

Date Report Requested: 10/16/2014

Time Report Requested: 02:43:52

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 31

TRT#: 1

SEX: Male

DAY ON TEST: 183

DOSE: CONTROL

DISP: Scheduled Sacrifice

HISTO: 19561

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

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

* Blood Vessel Note: Aorta is normal		
* Lym Node Bron Note: Tracheobronchial lymph node is normal.		
Mesentery Note: Necrosis is characterized as fat necrosis. [ Necrosis TGLS = 1-12 ]	Necrosis	Mild
* Perph Nerve Note: Sciatic nerve is normal.		

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05135-06

Test Type: SIX MONTH EXPOS.

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Isoprene

CAS Number: 78-79-5

Date Report Requested: 10/16/2014

Time Report Requested: 02:43:52

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 32

TRT#: 1

SEX: Male

DAY ON TEST: 183

DOSE: CONTROL

DISP: Scheduled Sacrifice

HISTO: 19562

ORGAN AND ACCOUNTABLE SITE STATUS

**NORMAL**

* Adrenal Cortex	* Adrenal Medulla	* Blood Vessel	* Bone
* Bone Marrow	* Brain	* Epididymis	* Esophagus
* Eye	* Gallbladder	* Harderian Gland	* Heart
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Kidney
* Larynx	* Liver	* Lung	* 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
* Skeletal Muscle	* Skin	* Spinal Cord	* Spleen
* Stomach, Forestomach	* Stomach, Glandular	* Testes	* Thymus
* Thyroid Gland	* Tongue	* Trachea	* Urinary Bladder
* Zymbal's Gland			

**MISSING**

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

\* Blood Vessel  
Note: Aorta is normal.

\* 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:** 05135-06  
**Test Type:** SIX MONTH EXPOS.  
**Route:** RESPIRATORY EXPOSURE WHOLE BODY  
**Species/Strain:** Mouse/B6C3F1

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

**Date Report Requested:** 10/16/2014  
**Time Report Requested:** 02:43:52  
**First Dose M/F:** NA / NA  
**Lab:** BNW

**ANIMAL ID:** 33

**TRT#:** 1  
**DOSE:** CONTROL

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

**DAY ON TEST:** 373  
**HISTO:** 19563

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

* Adrenal Medulla	* Blood Vessel	* Bone	* Bone Marrow
* Brain	* Epididymis	* Esophagus	* Eye
* Gallbladder	* Harderian Gland	* Heart	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Kidney	* Larynx
* Liver	* Lung	* 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	* Skeletal Muscle
* Skin	* Spinal Cord	* Spleen	* Stomach, Forestomach
* Stomach, Glandular	* Testes	* Thymus	* Tongue
* Trachea	* Urinary Bladder	* Zymbal's Gland	

**MISSING**

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

* Adrenal Cortex	Hyperplasia	Minimal
	Hypertrophy	Focal, Minimal
* Blood Vessel		
Note: Aorta is normal.		
* Lym Node Bron		
Note: Tracheobronchial lymph node is normal.		
* Perph Nerve		
Note: Sciatic nerve is normal.		
* Preputial GI		
Note: Tgl 1 = NCL.		
* Thyroid Gland	Cyst	

**PRIMARY CAUSE OF DEATH** -

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05135-06

Test Type: SIX MONTH EXPOS.

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Isoprene

CAS Number: 78-79-5

Date Report Requested: 10/16/2014

Time Report Requested: 02:43:52

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 34

TRT#: 1

SEX: Male

DAY ON TEST: 183

DOSE: CONTROL

DISP: Scheduled Sacrifice

HISTO: 19564

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

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

* Blood Vessel			
Note: Aorta is normal.			
* Kidney	Bilateral	Fibrosis	Minimal
Note: Fibrosis of capsule.			
[ Fibrosis TGLS = 1-5 ]			
* Lung		Metaplasia	Osseous, 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:** 05135-06

**Test Type:** SIX MONTH EXPOS.

**Route:** RESPIRATORY EXPOSURE WHOLE BODY

**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Isoprene

**CAS Number:** 78-79-5

**Date Report Requested:** 10/16/2014

**Time Report Requested:** 02:43:52

**First Dose M/F:** NA / NA

**Lab:** BNW

**ANIMAL ID:** 35

**TRT#:** 1

**SEX:** Male

**DAY ON TEST:** 183

**DOSE:** CONTROL

**DISP:** Scheduled Sacrifice

**HISTO:** 19565

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

* Adrenal Cortex	* Adrenal Medulla	* Blood Vessel	* Bone
* Bone Marrow	* Brain	* Epididymis	* Esophagus
* Eye	* Gallbladder	* Harderian Gland	* Heart
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Kidney
* Larynx	* Liver	* Lung	* Lymph Node, Bronchial
* 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	* Skeletal Muscle	* Skin	* Spinal Cord
* Spleen	* Stomach, Forestomach	* Stomach, Glandular	* Testes
* Thymus	* Thyroid Gland	* Tongue	* Trachea
* Urinary Bladder	* Zymbal's Gland		

**MISSING**

\* Mammary Gland

**OBSERVATIONS**

\* Blood Vessel  
Note: Aorta is normal.

\* 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: 05135-06

Test Type: SIX MONTH EXPOS.

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Isoprene

CAS Number: 78-79-5

Date Report Requested: 10/16/2014

Time Report Requested: 02:43:52

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 36

TRT#: 1

SEX: Male

DAY ON TEST: 183

DOSE: CONTROL

DISP: Scheduled Sacrifice

HISTO: 19566

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

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

OBSERVATIONS

* Blood Vessel			
Note: Aorta is normal.			
* Liver		Vacuolization Cytoplasmic	Minimal
* Lung		Hemorrhage	Mild
	Alveolar Epith	Hyperplasia	Marked
* Lym Node Bron			
Note: Tracheobronchial lymph node is missing.			
* Perph Nerve			
Note: Sciatic nerve is normal.			

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05135-06

Test Type: SIX MONTH EXPOS.

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Isoprene

CAS Number: 78-79-5

Date Report Requested: 10/16/2014

Time Report Requested: 02:43:52

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 37

TRT#: 1

SEX: Male

DAY ON TEST: 373

DOSE: CONTROL

DISP: Terminal Sacrifice

HISTO: 19567

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

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

* Adrenal Cortex	Hypertrophy	Focal, Minimal
* Blood Vessel		
Note: Aorta is normal.		
* Harderian Gland	Adenoma	
* 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: 05135-06

Test Type: SIX MONTH EXPOS.

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Isoprene

CAS Number: 78-79-5

Date Report Requested: 10/16/2014

Time Report Requested: 02:43:52

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 38

TRT#: 1

SEX: Male

DAY ON TEST: 373

DOSE: CONTROL

DISP: Terminal Sacrifice

HISTO: 19568

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Blood Vessel	* Bone
* Bone Marrow	* Brain	* Epididymis	* Esophagus
* Eye	* Gallbladder	* Harderian Gland	* Heart
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Larynx	* Lung
* 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	* Skeletal Muscle	* Skin	* Spleen
* Stomach, Forestomach	* Stomach, Glandular	* Testes	* Thymus
* Thyroid Gland	* Tongue	* Trachea	* Urinary Bladder
* Zymbal's Gland			

MISSING

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

OBSERVATIONS

* Blood Vessel			
Note: Aorta is normal.			
* Islets, Pancreatic		Hyperplasia	Minimal
* Kidney	Bilateral	Metaplasia	Osseous, Minimal
* Liver		Hepatocellular Adenoma	
		Hepatocellular Carcinoma	
		Vacuolization Cytoplasmic	Mild
[ Hepatocellular Adenoma TGLS = 2-4 ]			
[ Hepatocellular Carcinoma TGLS = 1-12+13 ]			
* Lym Node Bron			
Note: Tracheobronchial lymph node is normal.			
* Perph Nerve			
Note: Sciatic nerve is normal.			
* Spinal Cord		Degeneration	Minimal

PRIMARY CAUSE OF DEATH -

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05135-06  
**Test Type:** SIX MONTH EXPOS.  
**Route:** RESPIRATORY EXPOSURE WHOLE BODY  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

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

**Date Report Requested:** 10/16/2014  
**Time Report Requested:** 02:43:52  
**First Dose M/F:** NA / NA  
**Lab:** BNW

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**ANIMAL ID:** 38

**TRT#:** 1

**SEX:** Male

**DAY ON TEST:** 373

**DOSE:** CONTROL

**DISP:** Terminal Sacrifice

**HISTO:** 19568

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05135-06

Test Type: SIX MONTH EXPOS.

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Isoprene

CAS Number: 78-79-5

Date Report Requested: 10/16/2014

Time Report Requested: 02:43:52

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 39

TRT#: 1

SEX: Male

DAY ON TEST: 371

DOSE: CONTROL

DISP: Terminal Sacrifice

HISTO: 19569

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- \* Adrenal Medulla
- \* Brain
- \* Gallbladder
- \* Intestine Large, Colon
- \* Intestine Small, Jejunum
- \* Lymph Node, Mesenteric
- \* Peripheral Nerve
- \* Prostate
- \* Skin
- \* Stomach, Glandular
- \* Tongue

- \* Blood Vessel
- \* Epididymis
- \* Harderian Gland
- \* Intestine Large, Rectum
- \* Islets, Pancreatic
- \* Nose
- \* Pharynx
- \* Salivary Glands
- \* Spinal Cord
- \* Testes
- \* Trachea

- \* Bone
- \* Esophagus
- \* Heart
- \* Intestine Small, Duodenum
- \* Kidney
- \* Pancreas
- \* Pituitary Gland
- \* Seminal Vesicle
- \* Spleen
- \* Thymus
- \* Urinary Bladder

- \* Bone Marrow
- \* Eye
- \* Intestine Large, Cecum
- \* Intestine Small, Ileum
- \* Larynx
- \* Parathyroid Gland
- \* Preputial Gland
- \* Skeletal Muscle
- \* Stomach, Forestomach
- \* Thyroid Gland
- \* Zymbal's Gland

MISSING

\* Lymph Node, Bronchial

\* Lymph Node, Mandibular

\* Lymph Node, Mediastinal

\* Mammary Gland

OBSERVATIONS

- \* Adrenal Cortex
- \* Blood Vessel

Note: Aorta is normal.

\* Liver

[ Hepatocellular Carcinoma TGLS = 1-12 ]

\* Lung

\* Lym Node Bron

Note: Tracheobronchial lymph node is missing.

\* Nose

Note: Nose/Turbinates - The odontoma caused some secondary nose lesions which were not diagnosed since the cause was so obvious.

\* Perph Nerve

Note: Sciatic nerve is normal.

Tooth

Odontoma

Note: There is some ameloblastic component, but; not much. Some might consider this a complex odontoma or ameloblastic odontoma.

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05135-06

Test Type: SIX MONTH EXPOS.

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Isoprene

CAS Number: 78-79-5

Date Report Requested: 10/16/2014

Time Report Requested: 02:43:52

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 40

TRT#: 1

SEX: Male

DAY ON TEST: 373

DOSE: CONTROL

DISP: Terminal Sacrifice

HISTO: 19570

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

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

OBSERVATIONS

- |  |           |   |      |
|--|-----------|---|------|
| * Blood Vessel   |           |   |      |
| Note: Aorta is normal.   |           |   |      |
| * Kidney   | Bilateral | Fibrosis  | Mild |
| Note: The fibrosis extends below the capsule to focally involve some tubules and glomeruli in a chronic inflammatory reaction. |           |   |      |
| [ Fibrosis TGLS = 2-13 ]   |           |   |      |
| * Liver  |           | Hepatocellular Adenoma<br>Vacuolization Cytoplasmic | Mild |
| [ Hepatocellular Adenoma TGLS = 1-12+14 ]  |           |   |      |
| * 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: 05135-06

Test Type: SIX MONTH EXPOS.

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Isoprene

CAS Number: 78-79-5

Date Report Requested: 10/16/2014

Time Report Requested: 02:43:52

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 41

TRT#: 1

SEX: Male

DAY ON TEST: 373

DOSE: CONTROL

DISP: Terminal Sacrifice

HISTO: 19571

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Blood Vessel	* Bone
* Bone Marrow	* Brain	* Epididymis	* Esophagus
* Eye	* Gallbladder	* Harderian Gland	* Heart
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Kidney
* Larynx	* Lung	* Lymph Node, Bronchial	* Lymph Node, Mandibular
* Lymph Node, Mesenteric	* Nose	* Parathyroid Gland	* Peripheral Nerve
* Pharynx	* Pituitary Gland	* Prostate	* Salivary Glands
* Seminal Vesicle	* Skeletal Muscle	* Skin	* Spinal Cord
* Spleen	* Stomach, Forestomach	* Stomach, Glandular	* Testes
* Thymus	* Thyroid Gland	* Tongue	* Trachea
* Urinary Bladder	* Zymbal's Gland		

MISSING

* Lymph Node, Mediastinal	* Mammary Gland
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OBSERVATIONS

* Blood Vessel		
Note: Aorta is normal.		
* Liver	Hepatocellular Carcinoma Vacuolization Cytoplasmic	Mild
[ Hepatocellular Carcinoma TGLS = 1-12+13 ]		
* Lym Node Bron		
Note: Tracheobronchial lymph node is normal.		
* Pancreas	Focal Cellular Change	Minimal
* Perph Nerve		
Note: Sciatic nerve is normal.		
* Preputial Gland	Inflammation	Suppurative, Minimal

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05135-06

Test Type: SIX MONTH EXPOS.

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Isoprene

CAS Number: 78-79-5

Date Report Requested: 10/16/2014

Time Report Requested: 02:43:52

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 42

TRT#: 1

SEX: Male

DAY ON TEST: 371

DOSE: CONTROL

DISP: Terminal Sacrifice

HISTO: 19572

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

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

* Adrenal Cortex	Hyperplasia	Minimal
* Blood Vessel Note: Aorta is normal.		
* Liver	Vacuolization Cytoplasmic	Mild
* Lung Note: Tgl 1-3 is due to focally variable congestion. [ Congestion TGLS = 1-3 ]	Congestion	Minimal
* Lym Node Bron Note: Tracheobronchial lymph node is missing.		
* Perph Nerve Note: Sciatic nerve is normal.		

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05135-06

Test Type: SIX MONTH EXPOS.

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Isoprene

CAS Number: 78-79-5

Date Report Requested: 10/16/2014

Time Report Requested: 02:43:52

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 43

TRT#: 1

SEX: Male

DAY ON TEST: 182

DOSE: CONTROL

DISP: Accidentally Killed

HISTO: 19573

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Blood Vessel	* Bone	* Bone Marrow
* Brain	* Epididymis	* Esophagus	* Eye
* Gallbladder	* Harderian Gland	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Kidney	* Larynx	* 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	* Skeletal Muscle	* Skin	* Spleen
* Stomach, Forestomach	* Stomach, Glandular	* Testes	* Thymus
* Thyroid Gland	* Tongue	* Trachea	* Urinary Bladder
* Zymbal's Gland			

MISSING

* Lymph Node, Mandibular	* Mammary Gland
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OBSERVATIONS

* Adrenal Cortex		Hemorrhage	Marked
Note: Hemorrhage in all parts of animal must be traumatic in origin. Could not see fracture of pelvis histologically.			
Note: Hemorrhage extends into the peritoneal fat.			
[ Hemorrhage TGLS = 4-13 ]			
* Blood Vessel			
Note: Aorta is normal.			
* Heart	Pericardium	Hemorrhage	Marked
Note: Hemorrhage present in mediastinum, pericardium, and in the heart account for TGL 1,2,3 and can be found on slides 3,4, and 14. Hemorrhage is recent.			
[ Hemorrhage TGLS = 1-3, 2-4, 3-14 ]			
* Lung		Hemorrhage	Mild
* Lym Node Bron			
Note: Tracheobronchial lymph node is normal.			
* Perph Nerve			
Note: Sciatic nerve is normal.			
* Spinal Cord	Meninges	Hemorrhage	Mild

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05135-06  
**Test Type:** SIX MONTH EXPOS.  
**Route:** RESPIRATORY EXPOSURE WHOLE BODY  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

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

**Date Report Requested:** 10/16/2014  
**Time Report Requested:** 02:43:52  
**First Dose M/F:** NA / NA  
**Lab:** BNW

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**ANIMAL ID:** 43

**TRT#:** 1

**SEX:** Male

**DAY ON TEST:** 182

**DOSE:** CONTROL

**DISP:** Accidentally Killed

**HISTO:** 19573

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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PRIMARY CAUSE OF DEATH

-

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\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05135-06

Test Type: SIX MONTH EXPOS.

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Isoprene

CAS Number: 78-79-5

Date Report Requested: 10/16/2014

Time Report Requested: 02:43:52

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 44

TRT#: 1

SEX: Male

DAY ON TEST: 373

DOSE: CONTROL

DISP: Terminal Sacrifice

HISTO: 19574

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Blood Vessel	* Bone
* Bone Marrow	* Brain	* Epididymis	* Esophagus
* Eye	* Gallbladder	* Harderian Gland	* Heart
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Larynx
* Liver	* Lung	* Lymph Node, Bronchial	* Lymph Node, Mediastinal
* Lymph Node, Mesenteric	* Nose	* Pancreas	* Parathyroid Gland
* Peripheral Nerve	* Pharynx	* Pituitary Gland	* Preputial Gland
* Salivary Glands	* Seminal Vesicle	* Skeletal Muscle	* Skin
* Spinal Cord	* Spleen	* Stomach, Forestomach	* Stomach, Glandular
* Testes	* Thymus	* Thyroid Gland	* Tongue
* Trachea	* Zymbal's Gland		

MISSING

* Lymph Node, Mandibular	* Mammary Gland	* Prostate
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OBSERVATIONS

* Blood Vessel Note: Aorta is normal.			
* Kidney Note: Pyelonephritis [ Hydronephrosis TGLS = 2-5 ]	Bilateral Bilateral, Pelvis	Hydronephrosis Inflammation	Mild Suppurative, Mild
* Lym Node Bron Note: Tracheobronchial lymph node is normal.			
* Perph Nerve Note: Sciatic nerve is normal.			
* Urinary Bladder [ Calculus Micro Observation Only TGLS = 1-8 ]	Transit Epithe	Calculus Micro Observation Only Hyperplasia Inflammation	Moderate Suppurative, Mild

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05135-06  
**Test Type:** SIX MONTH EXPOS.  
**Route:** RESPIRATORY EXPOSURE WHOLE BODY  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

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

**Date Report Requested:** 10/16/2014  
**Time Report Requested:** 02:43:52  
**First Dose M/F:** NA / NA  
**Lab:** BNW

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**ANIMAL ID:** 44

**TRT#:** 1

**SEX:** Male

**DAY ON TEST:** 373

**DOSE:** CONTROL

**DISP:** Terminal Sacrifice

**HISTO:** 19574

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05135-06

Test Type: SIX MONTH EXPOS.

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

Test Compound: Isoprene

CAS Number: 78-79-5

Date Report Requested: 10/16/2014

Time Report Requested: 02:43:52

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 45

TRT#: 1

SEX: Male

DAY ON TEST: 373

DOSE: CONTROL

DISP: Terminal Sacrifice

HISTO: 19575

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

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

**MISSING**

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

\* Blood Vessel  
Note: Aorta is normal.

\* 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: 05135-06

Test Type: SIX MONTH EXPOS.

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Isoprene

CAS Number: 78-79-5

Date Report Requested: 10/16/2014

Time Report Requested: 02:43:52

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 46

TRT#: 1

SEX: Male

DAY ON TEST: 373

DOSE: CONTROL

DISP: Terminal Sacrifice

HISTO: 19576

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- |                          |                            |                           |                             |
|--------------------------|----------------------------|---------------------------|-----------------------------|
| * Adrenal Cortex         | * Adrenal Medulla          | * Blood Vessel            | * Bone                      |
| * Bone Marrow            | * Brain                    | * Epididymis              | * Esophagus                 |
| * Eye                    | * Gallbladder              | * Harderian Gland         | * Heart                     |
| * Intestine Large, Cecum | * Intestine Large, Colon   | * Intestine Large, Rectum | * Intestine Small, Duodenum |
| * Intestine Small, Ileum | * Intestine Small, Jejunum | * Kidney                  | * Larynx                    |
| * Lung                   | * Lymph Node, Bronchial    | * Lymph Node, Mediastinal | * Lymph Node, Mesenteric    |
| * Nose                   | * Pancreas                 | * Parathyroid Gland       | * Peripheral Nerve          |
| * Pharynx                | * Preputial Gland          | * Prostate                | * Salivary Glands           |
| * Seminal Vesicle        | * Skeletal Muscle          | * Skin                    | * Spleen                    |
| * Stomach, Forestomach   | * Stomach, Glandular       | * Testes                  | * Thymus                    |
| * Thyroid Gland          | * Tongue                   | * Trachea                 | * Urinary Bladder           |
| * Zymbal's Gland         |                            |                           |                             |

MISSING

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

OBSERVATIONS

- |   |                           |         |
|---|---------------------------|---------|
| * Blood Vessel<br>Note: Aorta is normal.  |                           |         |
| * Islets, Pancreatic  | Hyperplasia               | Mild    |
| * Liver   | Deformity                 |         |
|   | Vacuolization Cytoplasmic | Mild    |
| Note: The deformity is at margin of lobe, not a HDN, a small portion is pinched off.<br>[ Deformity TGLS = 1-12 ] |                           |         |
| * Lym Node Bron   |                           |         |
| Note: Tracheobronchial lymph node is normal.  |                           |         |
| * Perph Nerve   |                           |         |
| Note: Sciatic nerve is normal.  |                           |         |
| * Spinal Cord   | Degeneration              | Minimal |

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05135-06

Test Type: SIX MONTH EXPOS.

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Isoprene

CAS Number: 78-79-5

Date Report Requested: 10/16/2014

Time Report Requested: 02:43:52

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 47

TRT#: 1

SEX: Male

DAY ON TEST: 185

DOSE: CONTROL

DISP: Scheduled Sacrifice

HISTO: 19577

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Blood Vessel	* Bone
* Bone Marrow	* Brain	* Epididymis	* Esophagus
* Eye	* Gallbladder	* Harderian Gland	* Heart
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Kidney
* Larynx	* Lung	* 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	* Skeletal Muscle
* Skin	* Spinal Cord	* Spleen	* Stomach, Forestomach
* Stomach, Glandular	* Testes	* Thymus	* Thyroid Gland
* Tongue	* Trachea	* Urinary Bladder	* Zymbal's Gland

MISSING

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

OBSERVATIONS

* Blood Vessel		
Note: Aorta is normal.		
* Liver	Vacuolization Cytoplasmic	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: 05135-06

Test Type: SIX MONTH EXPOS.

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Isoprene

CAS Number: 78-79-5

Date Report Requested: 10/16/2014

Time Report Requested: 02:43:52

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 48

TRT#: 1

SEX: Male

DAY ON TEST: 185

DOSE: CONTROL

DISP: Scheduled Sacrifice

HISTO: 19578

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- |                          |                            |                           |                             |
|--------------------------|----------------------------|---------------------------|-----------------------------|
| * Adrenal Cortex         | * Adrenal Medulla          | * Blood Vessel            | * Bone                      |
| * Bone Marrow            | * Brain                    | * Epididymis              | * Esophagus                 |
| * Eye                    | * Gallbladder              | * Harderian Gland         | * Heart                     |
| * Intestine Large, Cecum | * Intestine Large, Colon   | * Intestine Large, Rectum | * Intestine Small, Duodenum |
| * Intestine Small, Ileum | * Intestine Small, Jejunum | * Islets, Pancreatic      | * Larynx                    |
| * Liver                  | * Lung                     | * Lymph Node, Bronchial   | * Lymph Node, Mesenteric    |
| * Nose                   | * Pancreas                 | * Parathyroid Gland       | * Peripheral Nerve          |
| * Pharynx                | * Pituitary Gland          | * Preputial Gland         | * Prostate                  |
| * Salivary Glands        | * Seminal Vesicle          | * Skeletal Muscle         | * Skin                      |
| * Spinal Cord            | * Spleen                   | * Stomach, Forestomach    | * Stomach, Glandular        |
| * Testes                 | * Thymus                   | * Thyroid Gland           | * Tongue                    |
| * Trachea                | * Urinary Bladder          | * Zymbal's Gland          |                             |

MISSING

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

OBSERVATIONS

- |  |           |                |      |
|--|-----------|----------------|------|
| * Blood Vessel<br>Note: Aorta is normal.                 |           |                |      |
| * Kidney<br>Note: Tracheobronchial lymph node is normal. | Bilateral | Hydronephrosis | Mild |
| * Lym Node Bron<br>Note: Sciatic nerve is normal.        |           |                |      |
| * Perph Nerve  |           |                |      |

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05135-06

**Test Type:** SIX MONTH EXPOS.

**Route:** RESPIRATORY EXPOSURE WHOLE BODY

**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Isoprene

**CAS Number:** 78-79-5

**Date Report Requested:** 10/16/2014

**Time Report Requested:** 02:43:52

**First Dose M/F:** NA / NA

**Lab:** BNW

**ANIMAL ID:** 49

**TRT#:** 1

**SEX:** Male

**DAY ON TEST:** 185

**DOSE:** CONTROL

**DISP:** Scheduled Sacrifice

**HISTO:** 19579

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

* Adrenal Cortex	* Adrenal Medulla	* Blood Vessel	* Bone
* Bone Marrow	* Brain	* Epididymis	* Esophagus
* Eye	* Gallbladder	* Harderian Gland	* Heart
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Kidney
* Larynx	* Liver	* Lung	* Lymph Node, Bronchial
* 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	* Skeletal Muscle	* Skin	* Spinal Cord
* Spleen	* Stomach, Forestomach	* Stomach, Glandular	* Testes
* Thymus	* Thyroid Gland	* Tongue	* Trachea
* Urinary Bladder	* Zymbal's Gland		

**MISSING**

\* Mammary Gland

**OBSERVATIONS**

\* Blood Vessel  
Note: Aorta is normal.

\* 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: 05135-06

Test Type: SIX MONTH EXPOS.

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Isoprene

CAS Number: 78-79-5

Date Report Requested: 10/16/2014

Time Report Requested: 02:43:52

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 50

TRT#: 1

SEX: Male

DAY ON TEST: 185

DOSE: CONTROL

DISP: Scheduled Sacrifice

HISTO: 19580

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

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

OBSERVATIONS

- \* Blood Vessel  
Note: Aorta is normal.
- \* 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: 05135-06

Test Type: SIX MONTH EXPOS.

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

Test Compound: Isoprene

CAS Number: 78-79-5

Date Report Requested: 10/16/2014

Time Report Requested: 02:43:52

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 211

TRT#: 2

SEX: Male

DAY ON TEST: 373

DOSE: 70 PPM

DISP: Terminal Sacrifice

HISTO: 19841

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

\* Islets, Pancreatic  
\* Peripheral Nerve  
\* Stomach, Glandular

\* Lung  
\* Skeletal Muscle  
\* Testes

\* Nose  
\* Spinal Cord

\* Pancreas  
\* Stomach, Forestomach

**OBSERVATIONS**

\* Harderian Gland  
\* Liver  
\* Pancreas

Adenoma  
Vacuolization Cytoplasmic

Minimal

Note: Tgl 1-12 is an accessory spleen and diagnosed under spleen.

\* Perph Nerve

Note: Sciatic nerve is normal.

\* Spleen

Accessory Spleen  
Pigmentation

Melanin, Mild

[ Accessory Spleen TGLS = 1-12 ]

[ Pigmentation TGLS = 2-13 ]

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05135-06

Test Type: SIX MONTH EXPOS.

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Isoprene

CAS Number: 78-79-5

Date Report Requested: 10/16/2014

Time Report Requested: 02:43:52

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 212

TRT#: 2

DOSE: 70 PPM

SEX: Male

DISP: Moribund Sacrifice

DAY ON TEST: 16

HISTO: 19842

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Blood Vessel	* Bone
* Bone Marrow	* Brain	* Epididymis	* Esophagus
* Eye	* Gallbladder	* Harderian Gland	* Heart
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Kidney
* Larynx	* Liver	* Lymph Node, Bronchial	* Lymph Node, Mediastinal
* Nose	* Pancreas	* Parathyroid Gland	* Peripheral Nerve
* Pharynx	* Pituitary Gland	* Prostate	* Salivary Glands
* Seminal Vesicle	* Skeletal Muscle	* Spinal Cord	* Stomach, Forestomach
* Stomach, Glandular	* Testes	* Thyroid Gland	* Tongue
* Trachea	* Urinary Bladder	* Zymbal's Gland	

MISSING

* Lymph Node, Mandibular	* Mammary Gland
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OBSERVATIONS

* Blood Vessel Note: Aorta is normal.		
* Lung Note: Tracheobronchial lymph node is normal.	Hemorrhage	Minimal
* Lym Node Bron Note: Tracheobronchial lymph node is normal.		
* Lymph Node, Mesenteric	Necrosis	Mild
* Perph Nerve Note: Sciatic nerve is normal.		
* Preputial Gland  Note: The tissue around the preputial gland contains bacteria and vascular thrombosis. [ Hemorrhage TGLS = 2-7 ]	Hemorrhage Inflammation Necrosis	Moderate Suppurative, Mild Mild
* Skin [ Hemorrhage TGLS = 1-7 ]	Hemorrhage	Mild
* Spleen	Necrosis	Mild

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05135-06  
**Test Type:** SIX MONTH EXPOS.  
**Route:** RESPIRATORY EXPOSURE WHOLE BODY  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

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

**Date Report Requested:** 10/16/2014  
**Time Report Requested:** 02:43:52  
**First Dose M/F:** NA / NA  
**Lab:** BNW

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**ANIMAL ID:** 212

**TRT#:** 2  
**DOSE:** 70 PPM

**SEX:** Male  
**DISP:** Moribund Sacrifice

**DAY ON TEST:** 16  
**HISTO:** 19842

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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* Thymus	Necrosis	Moderate
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PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05135-06

Test Type: SIX MONTH EXPOS.

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Isoprene

CAS Number: 78-79-5

Date Report Requested: 10/16/2014

Time Report Requested: 02:43:52

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 213

TRT#: 2

DOSE: 70 PPM

SEX: Male

DISP: Natural Death

DAY ON TEST: 259

HISTO: 19843

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Blood Vessel	* Bone
* Bone Marrow	* Brain	* Esophagus	* Eye
* Harderian Gland	* Heart	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Islets, Pancreatic	* Larynx
* Liver	* Lung	* Lymph Node, Mandibular	* Lymph Node, Mediastinal
* Lymph Node, Mesenteric	* Nose	* Pancreas	* Parathyroid Gland
* Peripheral Nerve	* Pharynx	* Pituitary Gland	* Prostate
* Salivary Glands	* Seminal Vesicle	* Skeletal Muscle	* Spinal Cord
* Spleen	* Stomach, Forestomach	* Testes	* Thyroid Gland
* Tongue	* Trachea	* Urinary Bladder	* Zymbal's Gland

MISSING

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

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

* Blood Vessel Note: Aorta is normal.			
* Epididymis		Inflammation	Mild
* Kidney Note: Pyelonephritis	Bilateral, Pelvis	Inflammation	Suppurative, Minimal
* Liver Note: Tgl 1 = NCL.			
* Lym Node Bron Note: Tracheobronchial lymph node is missing.			
* Perph Nerve Note: Sciatic nerve is normal.			
* Preputial Gland		Inflammation	Suppurative, Minimal
* Skin		Inflammation	Suppurative, Mild
* Stomach, Glandular Note: An erosion or ulcer is not present on the plane of section.		Pigmentation	Hemosiderin, Minimal

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05135-06  
**Test Type:** SIX MONTH EXPOS.  
**Route:** RESPIRATORY EXPOSURE WHOLE BODY  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

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

**Date Report Requested:** 10/16/2014  
**Time Report Requested:** 02:43:52  
**First Dose M/F:** NA / NA  
**Lab:** BNW

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**ANIMAL ID:** 213

**TRT#:** 2  
**DOSE:** 70 PPM

**SEX:** Male  
**DISP:** Natural Death

**DAY ON TEST:** 259  
**HISTO:** 19843

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**ORGAN AND ACCOUNTABLE SITE STATUS**

Note: TGL 2-8 = Hemosiderin  
[ Pigmentation TGLS = 2-8 ]

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* Thymus	Necrosis	Moderate
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PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05135-06  
**Test Type:** SIX MONTH EXPOS.  
**Route:** RESPIRATORY EXPOSURE WHOLE BODY  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

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

**Date Report Requested:** 10/16/2014  
**Time Report Requested:** 02:43:52  
**First Dose M/F:** NA / NA  
**Lab:** BNW

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<b>ANIMAL ID:</b> 214	<b>TRT#:</b> 2 <b>DOSE:</b> 70 PPM	<b>SEX:</b> Male <b>DISP:</b> Terminal Sacrifice	<b>DAY ON TEST:</b> 373 <b>HISTO:</b> 19844
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**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

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* Harderian Gland	* Islets, Pancreatic	* Liver	* Nose
* Pancreas	* Peripheral Nerve	* Skeletal Muscle	* Spinal Cord
* Stomach, Forestomach	* Stomach, Glandular	* Testes	

---

**OBSERVATIONS**

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* Lung	Alveolar Epith	Hyperplasia	Marked
* Perph Nerve			

Note: Sciatic nerve is normal.

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**PRIMARY CAUSE OF DEATH**

-

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05135-06  
**Test Type:** SIX MONTH EXPOS.  
**Route:** RESPIRATORY EXPOSURE WHOLE BODY  
**Species/Strain:** Mouse/B6C3F1

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

**Date Report Requested:** 10/16/2014  
**Time Report Requested:** 02:43:52  
**First Dose M/F:** NA / NA  
**Lab:** BNW

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<b>ANIMAL ID:</b> 215	<b>TRT#:</b> 2 <b>DOSE:</b> 70 PPM	<b>SEX:</b> Male <b>DISP:</b> Terminal Sacrifice	<b>DAY ON TEST:</b> 373 <b>HISTO:</b> 19845
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**ORGAN AND ACCOUNTABLE SITE STATUS**

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**NORMAL**

* Harderian Gland	* Lung	* Pancreas	* Peripheral Nerve
* Skeletal Muscle	* Spinal Cord	* Stomach, Forestomach	* Stomach, Glandular
* Testes			

---

**OBSERVATIONS**

* Islets, Pancreatic		Hyperplasia	Moderate
* Liver		Vacuolization Cytoplasmic	Minimal
* Nose	Olfactory Epi, Turbinate	Degeneration	Mild
* Perph Nerve			

Note: Sciatic nerve is normal.

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PRIMARY CAUSE OF DEATH

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-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05135-06  
**Test Type:** SIX MONTH EXPOS.  
**Route:** RESPIRATORY EXPOSURE WHOLE BODY  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

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

**Date Report Requested:** 10/16/2014  
**Time Report Requested:** 02:43:52  
**First Dose M/F:** NA / NA  
**Lab:** BNW

**ANIMAL ID:** 216

**TRT#:** 2

**SEX:** Male

**DAY ON TEST:** 373

**DOSE:** 70 PPM

**DISP:** Terminal Sacrifice

**HISTO:** 19846

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

* Harderian Gland	* Islets, Pancreatic	* Liver	* Lung
* Nose	* Pancreas	* Peripheral Nerve	* Skeletal Muscle
* Stomach, Forestomach	* Stomach, Glandular	* Testes	

**OBSERVATIONS**

* Kidney [ Hydronephrosis TGLS = 4-5 ]	Bilateral	Hydronephrosis	Minimal
Lymph Node [ Hyperplasia TGLS = 5-12 ]	Iliac	Hyperplasia	Mild
Mesentery Note: Necrosis is specified as fat necrosis. [ Necrosis TGLS = 6-13 ]		Necrosis	Mild
* Perph Nerve Note: Sciatic nerve is normal.			
* Skin [ Inflammation TGLS = 1-14 ]	Prepuce	Inflammation	Chronic, Marked
* Spinal Cord		Degeneration	Minimal
* Spleen Note: Hematopoietic cell proliferation is extramedullary. [ Hematopoietic Cell Proliferation TGLS = 2-4 ]		Hematopoietic Cell Proliferation	Mild
* Urinary Bladder [ Calculus Micro Observation Only TGLS = 7-15 ] [ Dilatation TGLS = 3-15 ]		Calculus Micro Observation Only Dilatation	Moderate

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05135-06  
**Test Type:** SIX MONTH EXPOS.  
**Route:** RESPIRATORY EXPOSURE WHOLE BODY  
**Species/Strain:** Mouse/B6C3F1

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

**Date Report Requested:** 10/16/2014  
**Time Report Requested:** 02:43:52  
**First Dose M/F:** NA / NA  
**Lab:** BNW

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<b>ANIMAL ID:</b> 217	<b>TRT#:</b> 2 <b>DOSE:</b> 70 PPM	<b>SEX:</b> Male <b>DISP:</b> Terminal Sacrifice	<b>DAY ON TEST:</b> 373 <b>HISTO:</b> 19847
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**ORGAN AND ACCOUNTABLE SITE STATUS**

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**NORMAL**

* Harderian Gland	* Lung	* Nose	* Peripheral Nerve
* Skeletal Muscle	* Stomach, Glandular	* Testes	

---

**OBSERVATIONS**

* Islets, Pancreatic		Hyperplasia	Minimal
* Liver		Vacuolization Cytoplasmic	Minimal
Note: Tgl 1 not apparent at trim therefore NCL.			
* Pancreas		Inflammation	Chronic, Minimal
* Perph Nerve			
Note: Sciatic nerve is normal.			
* Spinal Cord		Degeneration	Minimal
* Stomach, Forestomach	Epithelium	Hyperplasia	Mild

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PRIMARY CAUSE OF DEATH

-

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05135-06  
**Test Type:** SIX MONTH EXPOS.  
**Route:** RESPIRATORY EXPOSURE WHOLE BODY  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

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

**Date Report Requested:** 10/16/2014  
**Time Report Requested:** 02:43:52  
**First Dose M/F:** NA / NA  
**Lab:** BNW

**ANIMAL ID:** 218

**TRT#:** 2  
**DOSE:** 70 PPM

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

**DAY ON TEST:** 373  
**HISTO:** 19848

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

* Harderian Gland	* Lung	* Nose	* Pancreas
* Peripheral Nerve	* Skeletal Muscle	* Stomach, Forestomach	* Stomach, Glandular
* Testes			

**OBSERVATIONS**

* Islets, Pancreatic	Hyperplasia	Minimal
* Liver	Vacuolization Cytoplasmic	Minimal
* Perph Nerve		
Note: Sciatic nerve is normal.		
* Spinal Cord	Degeneration	Minimal

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05135-06  
**Test Type:** SIX MONTH EXPOS.  
**Route:** RESPIRATORY EXPOSURE WHOLE BODY  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

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

**Date Report Requested:** 10/16/2014  
**Time Report Requested:** 02:43:52  
**First Dose M/F:** NA / NA  
**Lab:** BNW

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<b>ANIMAL ID:</b> 219	<b>TRT#:</b> 2 <b>DOSE:</b> 70 PPM	<b>SEX:</b> Male <b>DISP:</b> Terminal Sacrifice	<b>DAY ON TEST:</b> 373 <b>HISTO:</b> 19849
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**ORGAN AND ACCOUNTABLE SITE STATUS**

---

**NORMAL**

* Harderian Gland	* Islets, Pancreatic	* Lung	* Nose
* Pancreas	* Peripheral Nerve	* Skeletal Muscle	* Stomach, Forestomach
* Stomach, Glandular	* Testes		

---

**OBSERVATIONS**

* Liver	Vacuolization Cytoplasmic	Minimal
* Perph Nerve		
Note: Sciatic nerve is normal.		
* Spinal Cord	Degeneration	Minimal

---

PRIMARY CAUSE OF DEATH

---

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05135-06  
**Test Type:** SIX MONTH EXPOS.  
**Route:** RESPIRATORY EXPOSURE WHOLE BODY  
**Species/Strain:** Mouse/B6C3F1

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

**Date Report Requested:** 10/16/2014  
**Time Report Requested:** 02:43:52  
**First Dose M/F:** NA / NA  
**Lab:** BNW

**ANIMAL ID:** 220

**TRT#:** 2

**SEX:** Male

**DAY ON TEST:** 373

**DOSE:** 70 PPM

**DISP:** Terminal Sacrifice

**HISTO:** 19850

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

\* Harderian Gland  
\* Peripheral Nerve  
\* Testes

\* Lung  
\* Skeletal Muscle

\* Nose  
\* Stomach, Forestomach

\* Pancreas  
\* Stomach, Glandular

**OBSERVATIONS**

\* Islets, Pancreatic  
\* Liver  
\* Perph Nerve

Hyperplasia  
Vacuolization Cytoplasmic

Minimal  
Minimal

Note: Sciatic nerve is normal.

\* Spinal Cord

Degeneration

Minimal

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05135-06  
**Test Type:** SIX MONTH EXPOS.  
**Route:** RESPIRATORY EXPOSURE WHOLE BODY  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

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

**Date Report Requested:** 10/16/2014  
**Time Report Requested:** 02:43:52  
**First Dose M/F:** NA / NA  
**Lab:** BNW

**ANIMAL ID:** 221

**TRT#:** 2  
**DOSE:** 70 PPM

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

**DAY ON TEST:** 373  
**HISTO:** 19851

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

\* Harderian Gland  
\* Pancreas  
\* Stomach, Glandular

\* Islets, Pancreatic  
\* Peripheral Nerve  
\* Testes

\* Lung  
\* Skeletal Muscle

\* Nose  
\* Stomach, Forestomach

**OBSERVATIONS**

\* Liver  
\* Perph Nerve  
Note: Sciatic nerve is normal.  
\* Spinal Cord

Vacuolization Cytoplasmic

Minimal

Degeneration

Minimal

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05135-06

**Test Type:** SIX MONTH EXPOS.

**Route:** RESPIRATORY EXPOSURE WHOLE BODY

**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Isoprene

**CAS Number:** 78-79-5

**Date Report Requested:** 10/16/2014

**Time Report Requested:** 02:43:52

**First Dose M/F:** NA / NA

**Lab:** BNW

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**ANIMAL ID:** 222

**TRT#:** 2

**SEX:** Male

**DAY ON TEST:** 373

**DOSE:** 70 PPM

**DISP:** Terminal Sacrifice

**HISTO:** 19852

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**ORGAN AND ACCOUNTABLE SITE STATUS**

---

**NORMAL**

\* Harderian Gland

\* Nose

\* Pancreas

\* Peripheral Nerve

\* Skeletal Muscle

\* Spinal Cord

\* Stomach, Forestomach

\* Stomach, Glandular

\* Testes

---

**OBSERVATIONS**

\* Islets, Pancreatic

Hyperplasia

Minimal

\* Liver

Vacuolization Cytoplasmic

Mild

\* Lung

Alveolar/Bronchiolar Adenoma

\* Perph Nerve

Note: Sciatic nerve is normal.

---

PRIMARY CAUSE OF DEATH

-

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05135-06  
**Test Type:** SIX MONTH EXPOS.  
**Route:** RESPIRATORY EXPOSURE WHOLE BODY  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

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

**Date Report Requested:** 10/16/2014  
**Time Report Requested:** 02:43:52  
**First Dose M/F:** NA / NA  
**Lab:** BNW

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<b>ANIMAL ID:</b> 223	<b>TRT#:</b> 2 <b>DOSE:</b> 70 PPM	<b>SEX:</b> Male <b>DISP:</b> Terminal Sacrifice	<b>DAY ON TEST:</b> 373 <b>HISTO:</b> 19853
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**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

---

* Harderian Gland	* Islets, Pancreatic	* Liver	* Lung
* Pancreas	* Peripheral Nerve	* Skeletal Muscle	* Stomach, Forestomach
* Stomach, Glandular	* Testes		

---

**OBSERVATIONS**

---

* Nose	Olfactory Epi, Turbinate	Degeneration	Minimal
* Perph Nerve			
Note: Sciatic nerve is normal.			
* Spinal Cord		Degeneration	Minimal

---

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05135-06  
**Test Type:** SIX MONTH EXPOS.  
**Route:** RESPIRATORY EXPOSURE WHOLE BODY  
**Species/Strain:** Mouse/B6C3F1

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

**Date Report Requested:** 10/16/2014  
**Time Report Requested:** 02:43:52  
**First Dose M/F:** NA / NA  
**Lab:** BNW

---

<b>ANIMAL ID:</b> 224	<b>TRT#:</b> 2 <b>DOSE:</b> 70 PPM	<b>SEX:</b> Male <b>DISP:</b> Terminal Sacrifice	<b>DAY ON TEST:</b> 373 <b>HISTO:</b> 19854
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**ORGAN AND ACCOUNTABLE SITE STATUS**

---

**NORMAL**

* Lung	* Nose	* Pancreas	* Peripheral Nerve
* Skeletal Muscle	* Stomach, Forestomach	* Stomach, Glandular	* Testes

---

**OBSERVATIONS**

* Harderian Gland	Adenoma	
* Islets, Pancreatic	Hyperplasia	Minimal
* Liver	Vacuolization Cytoplasmic	Mild
* Perph Nerve		
Note: Sciatic nerve is normal.		
* Spinal Cord	Degeneration	Minimal

---

PRIMARY CAUSE OF DEATH

-

---

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05135-06  
**Test Type:** SIX MONTH EXPOS.  
**Route:** RESPIRATORY EXPOSURE WHOLE BODY  
**Species/Strain:** Mouse/B6C3F1

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

**Date Report Requested:** 10/16/2014  
**Time Report Requested:** 02:43:52  
**First Dose M/F:** NA / NA  
**Lab:** BNW

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<b>ANIMAL ID:</b> 225	<b>TRT#:</b> 2	<b>SEX:</b> Male	<b>DAY ON TEST:</b> 373
	<b>DOSE:</b> 70 PPM	<b>DISP:</b> Terminal Sacrifice	<b>HISTO:</b> 19855

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**ORGAN AND ACCOUNTABLE SITE STATUS**

---

**NORMAL**

* Lung	* Nose	* Pancreas	* Peripheral Nerve
* Skeletal Muscle	* Stomach, Forestomach	* Stomach, Glandular	* Testes

---

**OBSERVATIONS**

* Harderian Gland [ Adenoma TGLS = 1-12 ]		Adenoma	
* Islets, Pancreatic		Hyperplasia	Minimal
* Liver		Vacuolization Cytoplasmic	Minimal
* Lymph Node, Mesenteric [ Hyperplasia TGLS = 3-6 ]		Hyperplasia	Mild
* Perph Nerve Note: Sciatic nerve is normal.			
* Spinal Cord		Degeneration	Minimal
* Urinary Bladder [ Dilatation TGLS = 2-13 ]		Dilatation	Mild

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PRIMARY CAUSE OF DEATH -

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05135-06  
**Test Type:** SIX MONTH EXPOS.  
**Route:** RESPIRATORY EXPOSURE WHOLE BODY  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

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

**Date Report Requested:** 10/16/2014  
**Time Report Requested:** 02:43:52  
**First Dose M/F:** NA / NA  
**Lab:** BNW

**ANIMAL ID:** 226

**TRT#:** 2

**SEX:** Male

**DAY ON TEST:** 373

**DOSE:** 70 PPM

**DISP:** Terminal Sacrifice

**HISTO:** 19856

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

\* Harderian Gland  
\* Pancreas  
\* Stomach, Glandular

\* Islets, Pancreatic  
\* Peripheral Nerve  
\* Testes

\* Lung  
\* Skeletal Muscle

\* Nose  
\* Stomach, Forestomach

**OBSERVATIONS**

\* Liver  
  
\* Perph Nerve  
    Note: Sciatic nerve is normal.  
  
\* Spinal Cord  
\* Spleen  
    [ Pigmentation TGLS = 2-13 ]

Infarct  
Vacuolization Cytoplasmic

Degeneration  
Pigmentation

Marked  
Minimal  
  
Minimal  
Melanin, Mild

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05135-06  
**Test Type:** SIX MONTH EXPOS.  
**Route:** RESPIRATORY EXPOSURE WHOLE BODY  
**Species/Strain:** Mouse/B6C3F1

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

**Date Report Requested:** 10/16/2014  
**Time Report Requested:** 02:43:52  
**First Dose M/F:** NA / NA  
**Lab:** BNW

**ANIMAL ID:** 227

**TRT#:** 2

**SEX:** Male

**DAY ON TEST:** 373

**DOSE:** 70 PPM

**DISP:** Terminal Sacrifice

**HISTO:** 19857

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

\* Harderian Gland  
\* Peripheral Nerve  
\* Stomach, Glandular

\* Lung  
\* Skeletal Muscle  
\* Testes

\* Nose  
\* Spinal Cord

\* Pancreas  
\* Stomach, Forestomach

**OBSERVATIONS**

\* Islets, Pancreatic  
\* Liver  
\* Perph Nerve

Hyperplasia  
Vacuolization Cytoplasmic

Minimal  
Minimal

Note: Sciatic nerve is normal.

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05135-06  
**Test Type:** SIX MONTH EXPOS.  
**Route:** RESPIRATORY EXPOSURE WHOLE BODY  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

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

**Date Report Requested:** 10/16/2014  
**Time Report Requested:** 02:43:52  
**First Dose M/F:** NA / NA  
**Lab:** BNW

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<b>ANIMAL ID:</b> 228	<b>TRT#:</b> 2 <b>DOSE:</b> 70 PPM	<b>SEX:</b> Male <b>DISP:</b> Terminal Sacrifice	<b>DAY ON TEST:</b> 373 <b>HISTO:</b> 19858
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**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

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* Harderian Gland	* Islets, Pancreatic	* Lung	* Nose
* Pancreas	* Peripheral Nerve	* Skeletal Muscle	* Stomach, Forestomach
* Stomach, Glandular	* Testes		

---

**OBSERVATIONS**

---

* Liver	Vacuolization Cytoplasmic	Minimal
* Perph Nerve		
Note: Sciatic nerve is normal.		
* Spinal Cord	Degeneration	Minimal

---

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05135-06  
**Test Type:** SIX MONTH EXPOS.  
**Route:** RESPIRATORY EXPOSURE WHOLE BODY  
**Species/Strain:** Mouse/B6C3F1

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

**Date Report Requested:** 10/16/2014  
**Time Report Requested:** 02:43:52  
**First Dose M/F:** NA / NA  
**Lab:** BNW

---

<b>ANIMAL ID:</b> 229	<b>TRT#:</b> 2 <b>DOSE:</b> 70 PPM	<b>SEX:</b> Male <b>DISP:</b> Terminal Sacrifice	<b>DAY ON TEST:</b> 373 <b>HISTO:</b> 19859
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**ORGAN AND ACCOUNTABLE SITE STATUS**

---

**NORMAL**

* Harderian Gland	* Islets, Pancreatic	* Lung	* Nose
* Pancreas	* Peripheral Nerve	* Skeletal Muscle	* Stomach, Forestomach
* Stomach, Glandular	* Testes		

---

**OBSERVATIONS**

* Liver	Hepatocellular Carcinoma		
[ Hepatocellular Carcinoma TGLS = 1-12+13 ]			
* Perph Nerve			
Note: Sciatic nerve is normal.			
* Spinal Cord	Degeneration		Minimal

---

PRIMARY CAUSE OF DEATH

-

---

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05135-06

**Test Type:** SIX MONTH EXPOS.

**Route:** RESPIRATORY EXPOSURE WHOLE BODY

**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Isoprene

**CAS Number:** 78-79-5

**Date Report Requested:** 10/16/2014

**Time Report Requested:** 02:43:52

**First Dose M/F:** NA / NA

**Lab:** BNW

---

**ANIMAL ID:** 230

**TRT#:** 2

**DOSE:** 70 PPM

**SEX:** Male

**DISP:** Terminal Sacrifice

**DAY ON TEST:** 373

**HISTO:** 19860

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**ORGAN AND ACCOUNTABLE SITE STATUS**

---

**NORMAL**

\* Harderian Gland  
\* Pancreas  
\* Stomach, Glandular

\* Islets, Pancreatic  
\* Peripheral Nerve  
\* Testes

\* Lung  
\* Skeletal Muscle

\* Nose  
\* Stomach, Forestomach

---

**OBSERVATIONS**

\* Liver  
\* Perph Nerve  
    Note: Sciatic nerve is normal.  
\* Spinal Cord

Vacuolization Cytoplasmic

Minimal

Degeneration

Minimal

---

**PRIMARY CAUSE OF DEATH**

-

---

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05135-06  
**Test Type:** SIX MONTH EXPOS.  
**Route:** RESPIRATORY EXPOSURE WHOLE BODY  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

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

**Date Report Requested:** 10/16/2014  
**Time Report Requested:** 02:43:52  
**First Dose M/F:** NA / NA  
**Lab:** BNW

---

<b>ANIMAL ID:</b> 231	<b>TRT#:</b> 2 <b>DOSE:</b> 70 PPM	<b>SEX:</b> Male <b>DISP:</b> Terminal Sacrifice	<b>DAY ON TEST:</b> 373 <b>HISTO:</b> 19861
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**ORGAN AND ACCOUNTABLE SITE STATUS**

---

**NORMAL**

* Harderian Gland	* Islets, Pancreatic	* Liver	* Lung
* Nose	* Pancreas	* Peripheral Nerve	* Skeletal Muscle
* Spinal Cord	* Stomach, Forestomach	* Stomach, Glandular	* Testes

---

**OBSERVATIONS**

Mesentery Note: Necrosis is specified as fat necrosis. [ Necrosis TGLS = 1-12 ]	Necrosis	Mild
* Perph Nerve Note: Sciatic nerve is normal.		

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PRIMARY CAUSE OF DEATH -

---

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05135-06  
**Test Type:** SIX MONTH EXPOS.  
**Route:** RESPIRATORY EXPOSURE WHOLE BODY  
**Species/Strain:** Mouse/B6C3F1

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

**Date Report Requested:** 10/16/2014  
**Time Report Requested:** 02:43:52  
**First Dose M/F:** NA / NA  
**Lab:** BNW

---

<b>ANIMAL ID:</b> 232	<b>TRT#:</b> 2	<b>SEX:</b> Male	<b>DAY ON TEST:</b> 373
	<b>DOSE:</b> 70 PPM	<b>DISP:</b> Terminal Sacrifice	<b>HISTO:</b> 19862

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**ORGAN AND ACCOUNTABLE SITE STATUS**

---

**NORMAL**

* Harderian Gland	* Islets, Pancreatic	* Lung	* Nose
* Pancreas	* Peripheral Nerve	* Skeletal Muscle	* Spinal Cord
* Stomach, Forestomach	* Testes		

---

**OBSERVATIONS**

* Liver	Basophilic Focus		
	Hepatocellular Adenoma		
	Vacuolization Cytoplasmic		Minimal
[ Hepatocellular Adenoma TGLS = 1-12 ]			
* Lung			
Note: Tgl 2 = NCL			
* Perph Nerve			
Note: Sciatic nerve is normal.			
* Stomach, Glandular	Hyperplasia		Mild

---

PRIMARY CAUSE OF DEATH -

---

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05135-06  
**Test Type:** SIX MONTH EXPOS.  
**Route:** RESPIRATORY EXPOSURE WHOLE BODY  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

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

**Date Report Requested:** 10/16/2014  
**Time Report Requested:** 02:43:52  
**First Dose M/F:** NA / NA  
**Lab:** BNW

**ANIMAL ID:** 233

**TRT#:** 2

**SEX:** Male

**DAY ON TEST:** 373

**DOSE:** 70 PPM

**DISP:** Terminal Sacrifice

**HISTO:** 19863

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

\* Harderian Gland  
\* Peripheral Nerve  
\* Testes

\* Islets, Pancreatic  
\* Skeletal Muscle

\* Lung  
\* Stomach, Forestomach

\* Nose  
\* Stomach, Glandular

**OBSERVATIONS**

\* Liver  
Note: Tgl 1 = NCL. Not observed at trim.

Vacuolization Cytoplasmic

Minimal

\* Pancreas  
\* Perph Nerve  
Note: Sciatic nerve is normal.

Inflammation

Chronic, Minimal

\* Skin  
[ Inflammation TGLS = 2-12 ]

Inflammation

Suppurative, Minimal

\* Spinal Cord

Degeneration

Minimal

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05135-06

**Test Type:** SIX MONTH EXPOS.

**Route:** RESPIRATORY EXPOSURE WHOLE BODY

**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Isoprene

**CAS Number:** 78-79-5

**Date Report Requested:** 10/16/2014

**Time Report Requested:** 02:43:52

**First Dose M/F:** NA / NA

**Lab:** BNW

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**ANIMAL ID:** 234

**TRT#:** 2

**SEX:** Male

**DAY ON TEST:** 373

**DOSE:** 70 PPM

**DISP:** Terminal Sacrifice

**HISTO:** 19864

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**ORGAN AND ACCOUNTABLE SITE STATUS**

---

**NORMAL**

\* Harderian Gland

\* Islets, Pancreatic

\* Lung

\* Nose

\* Peripheral Nerve

\* Skeletal Muscle

\* Stomach, Forestomach

\* Stomach, Glandular

\* Testes

---

**OBSERVATIONS**

\* Liver

Vacuolization Cytoplasmic

Minimal

\* Pancreas

Duct

Cyst

\* Perph Nerve

Note: Sciatic nerve is normal.

\* Spinal Cord

Degeneration

Minimal

---

**PRIMARY CAUSE OF DEATH**

-

---

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05135-06

**Test Type:** SIX MONTH EXPOS.

**Route:** RESPIRATORY EXPOSURE WHOLE BODY

**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Isoprene

**CAS Number:** 78-79-5

**Date Report Requested:** 10/16/2014

**Time Report Requested:** 02:43:52

**First Dose M/F:** NA / NA

**Lab:** BNW

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**ANIMAL ID:** 235

**TRT#:** 2

**SEX:** Male

**DAY ON TEST:** 373

**DOSE:** 70 PPM

**DISP:** Terminal Sacrifice

**HISTO:** 19865

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**ORGAN AND ACCOUNTABLE SITE STATUS**

---

**NORMAL**

\* Islets, Pancreatic

\* Lung

\* Nose

\* Pancreas

\* Peripheral Nerve

\* Skeletal Muscle

\* Stomach, Forestomach

\* Stomach, Glandular

\* Testes

---

**OBSERVATIONS**

\* Harderian Gland

Adenoma

\* Liver

Vacuolization Cytoplasmic

Minimal

\* Perph Nerve

Note: Sciatic nerve is normal.

\* Spinal Cord

Degeneration

Minimal

---

PRIMARY CAUSE OF DEATH

-

---

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05135-06  
**Test Type:** SIX MONTH EXPOS.  
**Route:** RESPIRATORY EXPOSURE WHOLE BODY  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

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

**Date Report Requested:** 10/16/2014  
**Time Report Requested:** 02:43:52  
**First Dose M/F:** NA / NA  
**Lab:** BNW

**ANIMAL ID:** 236

**TRT#:** 2  
**DOSE:** 70 PPM

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

**DAY ON TEST:** 373  
**HISTO:** 19866

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

\* Harderian Gland  
\* Pancreas  
\* Stomach, Glandular

\* Islets, Pancreatic  
\* Peripheral Nerve  
\* Testes

\* Lung  
\* Skeletal Muscle

\* Nose  
\* Stomach, Forestomach

**OBSERVATIONS**

\* Liver  
\* Perph Nerve  
Note: Sciatic nerve is normal.  
\* Spinal Cord

Vacuolization Cytoplasmic

Mild

Degeneration

Minimal

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05135-06

Test Type: SIX MONTH EXPOS.

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Isoprene

CAS Number: 78-79-5

Date Report Requested: 10/16/2014

Time Report Requested: 02:43:52

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 237

TRT#: 2

SEX: Male

DAY ON TEST: 373

DOSE: 70 PPM

DISP: Terminal Sacrifice

HISTO: 19867

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

\* Harderian Gland

\* Nose

\* Pancreas

\* Peripheral Nerve

\* Preputial Gland

\* Skeletal Muscle

\* Spinal Cord

\* Stomach, Glandular

\* Testes

OBSERVATIONS

\* Islets, Pancreatic

Hyperplasia

Minimal

\* Liver

Hepatocellular Adenoma

Vacuolization Cytoplasmic

Minimal

[ Hepatocellular Adenoma TGLS = 1-12 ]

\* Lung

Alveolar/Bronchiolar Adenoma

\* Perph Nerve

Note: Sciatic nerve is normal.

\* Preputial GI

Note: Tgl 2 = NCL. Although the glands maybe a bit dilated and atrophic and may account for the tgl, the changes are not considered significant.

\* Stomach, Forestomach

Epithelium

Hyperplasia

Mild

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05135-06  
**Test Type:** SIX MONTH EXPOS.  
**Route:** RESPIRATORY EXPOSURE WHOLE BODY  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

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

**Date Report Requested:** 10/16/2014  
**Time Report Requested:** 02:43:52  
**First Dose M/F:** NA / NA  
**Lab:** BNW

**ANIMAL ID:** 238

**TRT#:** 2  
**DOSE:** 70 PPM

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

**DAY ON TEST:** 373  
**HISTO:** 19868

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

* Islets, Pancreatic	* Lung	* Nose	* Pancreas
* Peripheral Nerve	* Skeletal Muscle	* Stomach, Forestomach	* Stomach, Glandular
* Testes			

**OBSERVATIONS**

* Harderian Gland		Adenoma	
* Liver		Vacuolization Cytoplasmic	Minimal
* Perph Nerve			
Note: Sciatic nerve is normal.			
* Spinal Cord		Degeneration	Minimal

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05135-06

Test Type: SIX MONTH EXPOS.

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

Test Compound: Isoprene

CAS Number: 78-79-5

Date Report Requested: 10/16/2014

Time Report Requested: 02:43:52

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 239

TRT#: 2

SEX: Male

DAY ON TEST: 373

DOSE: 70 PPM

DISP: Terminal Sacrifice

HISTO: 19869

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

\* Islets, Pancreatic

\* Lung

\* Nose

\* Peripheral Nerve

\* Skeletal Muscle

\* Stomach, Forestomach

\* Stomach, Glandular

\* Testes

**OBSERVATIONS**

\* Harderian Gland

Adenoma

\* Liver

Vacuolization Cytoplasmic

Minimal

\* Pancreas

Focal Cellular Change

Mild

\* Perph Nerve

Note: Sciatic nerve is normal.

\* Spinal Cord

Degeneration

Minimal

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05135-06  
**Test Type:** SIX MONTH EXPOS.  
**Route:** RESPIRATORY EXPOSURE WHOLE BODY  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

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

**Date Report Requested:** 10/16/2014  
**Time Report Requested:** 02:43:52  
**First Dose M/F:** NA / NA  
**Lab:** BNW

**ANIMAL ID:** 240

**TRT#:** 2

**SEX:** Male

**DAY ON TEST:** 373

**DOSE:** 70 PPM

**DISP:** Terminal Sacrifice

**HISTO:** 19870

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

* Harderian Gland	* Islets, Pancreatic	* Nose	* Pancreas
* Peripheral Nerve	* Skeletal Muscle	* Stomach, Forestomach	* Stomach, Glandular
* Testes	* Urinary Bladder		

**OBSERVATIONS**

* Liver	Vacuolization Cytoplasmic	Minimal
* Lung [ Hemorrhage TGLS = 1-3 ]	Hemorrhage	Minimal
* Perph Nerve Note: Sciatic nerve is normal.		
* Spinal Cord	Degeneration	Minimal
* Urin Bladder Note: TGL 2 = NCL. No lesion observed to account for the tgl.		

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05135-06

Test Type: SIX MONTH EXPOS.

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Isoprene

CAS Number: 78-79-5

Date Report Requested: 10/16/2014

Time Report Requested: 02:43:52

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 241

TRT#: 2

SEX: Male

DAY ON TEST: 185

DOSE: 70 PPM

DISP: Scheduled Sacrifice

HISTO: 19871

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- |                          |                            |                           |                             |
|--------------------------|----------------------------|---------------------------|-----------------------------|
| * Adrenal Cortex         | * Adrenal Medulla          | * Blood Vessel            | * Bone                      |
| * Bone Marrow            | * Brain                    | * Epididymis              | * Esophagus                 |
| * Eye                    | * Gallbladder              | * Harderian Gland         | * Heart                     |
| * Intestine Large, Cecum | * Intestine Large, Colon   | * Intestine Large, Rectum | * Intestine Small, Duodenum |
| * Intestine Small, Ileum | * Intestine Small, Jejunum | * Islets, Pancreatic      | * Kidney                    |
| * Larynx                 | * Liver                    | * Lung                    | * Lymph Node, Bronchial     |
| * 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        | * Skeletal Muscle          | * Skin                    | * Spinal Cord               |
| * Stomach, Forestomach   | * Stomach, Glandular       | * Testes                  | * Thymus                    |
| * Thyroid Gland          | * Tongue                   | * Trachea                 | * Urinary Bladder           |
| * Zymbal's Gland         |                            |                           |                             |

MISSING

- \* Mammary Gland

OBSERVATIONS

- \* Blood Vessel  
Note: Aorta is normal.
- \* Lym Node Bron  
Note: Tracheobronchial lymph node is normal.
- \* Perph Nerve  
Note: Sciatic nerve is normal.
- \* Spleen  
[ Pigmentation TGLS = 1-4 ]

Pigmentation

Melanin, Minimal

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05135-06

Test Type: SIX MONTH EXPOS.

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Isoprene

CAS Number: 78-79-5

Date Report Requested: 10/16/2014

Time Report Requested: 02:43:52

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 242

TRT#: 2

SEX: Male

DAY ON TEST: 185

DOSE: 70 PPM

DISP: Scheduled Sacrifice

HISTO: 19872

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

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

OBSERVATIONS

- |   |  |                           |      |
|---|--|---------------------------|------|
| * Blood Vessel<br>Note: Aorta is normal.                        |  |                           |      |
| * Liver   |  | Vacuolization Cytoplasmic | Mild |
| * Lym Node Bron<br>Note: Tracheobronchial lymph node is normal. |  |                           |      |
| * Perph Nerve<br>Note: Sciatic nerve is normal.                 |  |                           |      |

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05135-06

**Test Type:** SIX MONTH EXPOS.

**Route:** RESPIRATORY EXPOSURE WHOLE BODY

**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Isoprene

**CAS Number:** 78-79-5

**Date Report Requested:** 10/16/2014

**Time Report Requested:** 02:43:52

**First Dose M/F:** NA / NA

**Lab:** BNW

**ANIMAL ID:** 243

**TRT#:** 2

**SEX:** Male

**DAY ON TEST:** 185

**DOSE:** 70 PPM

**DISP:** Scheduled Sacrifice

**HISTO:** 19873

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

* Adrenal Cortex	* Adrenal Medulla	* Blood Vessel	* Bone
* Bone Marrow	* Brain	* Epididymis	* Esophagus
* Eye	* Gallbladder	* Harderian Gland	* Heart
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Kidney
* Larynx	* Liver	* Lung	* Lymph Node, Bronchial
* 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	* Skeletal Muscle	* Skin	* Spinal Cord
* Spleen	* Stomach, Forestomach	* Stomach, Glandular	* Testes
* Thymus	* Thyroid Gland	* Tongue	* Trachea
* Urinary Bladder	* Zymbal's Gland		

**MISSING**

\* Mammary Gland

**OBSERVATIONS**

\* Blood Vessel  
Note: Aorta is normal.

\* 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: 05135-06

Test Type: SIX MONTH EXPOS.

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Isoprene

CAS Number: 78-79-5

Date Report Requested: 10/16/2014

Time Report Requested: 02:43:52

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 244

TRT#: 2

SEX: Male

DAY ON TEST: 185

DOSE: 70 PPM

DISP: Scheduled Sacrifice

HISTO: 19874

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- |                           |                            |                           |                             |
|---------------------------|----------------------------|---------------------------|-----------------------------|
| * Adrenal Cortex          | * Adrenal Medulla          | * Blood Vessel            | * Bone                      |
| * Bone Marrow             | * Brain                    | * Epididymis              | * Esophagus                 |
| * Eye                     | * Gallbladder              | * Harderian Gland         | * Heart                     |
| * Intestine Large, Cecum  | * Intestine Large, Colon   | * Intestine Large, Rectum | * Intestine Small, Duodenum |
| * Intestine Small, Ileum  | * Intestine Small, Jejunum | * Islets, Pancreatic      | * Kidney                    |
| * Larynx                  | * Liver                    | * Lung                    | * 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           |
| * Skeletal Muscle         | * Skin                     | * Spinal Cord             | * Spleen                    |
| * Stomach, Forestomach    | * Stomach, Glandular       | * Testes                  | * Thymus                    |
| * Thyroid Gland           | * Tongue                   | * Trachea                 | * Urinary Bladder           |
| * Zymbal's Gland          |                            |                           |                             |

MISSING

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

OBSERVATIONS

- \* Blood Vessel  
Note: Aorta is normal.
- \* 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:** 05135-06

**Test Type:** SIX MONTH EXPOS.

**Route:** RESPIRATORY EXPOSURE WHOLE BODY

**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Isoprene

**CAS Number:** 78-79-5

**Date Report Requested:** 10/16/2014

**Time Report Requested:** 02:43:52

**First Dose M/F:** NA / NA

**Lab:** BNW

**ANIMAL ID:** 245

**TRT#:** 2

**SEX:** Male

**DAY ON TEST:** 185

**DOSE:** 70 PPM

**DISP:** Scheduled Sacrifice

**HISTO:** 19875

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

* Adrenal Cortex	* Adrenal Medulla	* Blood Vessel	* Bone
* Bone Marrow	* Brain	* Epididymis	* Esophagus
* Eye	* Gallbladder	* Harderian Gland	* Heart
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Kidney
* Larynx	* Liver	* Lung	* 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
* Skeletal Muscle	* Skin	* Spinal Cord	* Spleen
* Stomach, Forestomach	* Stomach, Glandular	* Testes	* Thymus
* Thyroid Gland	* Tongue	* Trachea	* Urinary Bladder
* Zymbal's Gland			

**MISSING**

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

**OBSERVATIONS**

\* Blood Vessel  
Note: Aorta is normal.

\* 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:** 05135-06  
**Test Type:** SIX MONTH EXPOS.  
**Route:** RESPIRATORY EXPOSURE WHOLE BODY  
**Species/Strain:** Mouse/B6C3F1

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

**Date Report Requested:** 10/16/2014  
**Time Report Requested:** 02:43:52  
**First Dose M/F:** NA / NA  
**Lab:** BNW

**ANIMAL ID:** 246                      **TRT#:** 2                      **SEX:** Male                      **DAY ON TEST:** 185  
**DOSE:** 70 PPM                      **DISP:** Scheduled Sacrifice                      **HISTO:** 19876

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

* Adrenal Cortex	* Adrenal Medulla	* Blood Vessel	* Bone
* Bone Marrow	* Brain	* Epididymis	* Esophagus
* Eye	* Gallbladder	* Harderian Gland	* Heart
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Kidney
* Larynx	* Lung	* Lymph Node, Bronchial	* Lymph Node, Mandibular
* Lymph Node, Mediastinal	* Lymph Node, Mesenteric	* Nose	* Pancreas
* Parathyroid Gland	* Peripheral Nerve	* Pharynx	* Pituitary Gland
* Prostate	* Salivary Glands	* Seminal Vesicle	* Skeletal Muscle
* Skin	* Spinal Cord	* Spleen	* Stomach, Forestomach
* Testes	* Thymus	* Thyroid Gland	* Tongue
* Trachea	* Urinary Bladder	* Zymbal's Gland	

**MISSING**

\* Mammary Gland

**OBSERVATIONS**

* Blood Vessel		
Note: Aorta is normal.		
* Liver	Hepatocellular Adenoma Vacuolization Cytoplasmic	Minimal
[ Hepatocellular Adenoma TGLS = 1-12 ]		
* Lym Node Bron		
Note: Tracheobronchial lymph node is normal.		
* Perph Nerve		
Note: Sciatic nerve is normal.		
* Preputial Gland	Inflammation	Suppurative, Marked
* Stomach, Glandular	Inflammation	Suppurative, Mild

PRIMARY CAUSE OF DEATH                      -

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05135-06

**Test Type:** SIX MONTH EXPOS.

**Route:** RESPIRATORY EXPOSURE WHOLE BODY

**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Isoprene

**CAS Number:** 78-79-5

**Date Report Requested:** 10/16/2014

**Time Report Requested:** 02:43:52

**First Dose M/F:** NA / NA

**Lab:** BNW

**ANIMAL ID:** 247

**TRT#:** 2

**SEX:** Male

**DAY ON TEST:** 185

**DOSE:** 70 PPM

**DISP:** Scheduled Sacrifice

**HISTO:** 19877

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

* Adrenal Cortex	* Adrenal Medulla	* Blood Vessel	* Bone
* Bone Marrow	* Brain	* Epididymis	* Esophagus
* Eye	* Gallbladder	* Harderian Gland	* Heart
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Kidney
* Larynx	* Liver	* Lung	* Lymph Node, Bronchial
* 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	* Skeletal Muscle	* Skin	* Spinal Cord
* Spleen	* Stomach, Forestomach	* Stomach, Glandular	* Testes
* Thymus	* Thyroid Gland	* Tongue	* Trachea
* Urinary Bladder	* Zymbal's Gland		

**MISSING**

\* Mammary Gland

**OBSERVATIONS**

\* Blood Vessel  
Note: Aorta is normal.

\* 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:** 05135-06

**Test Type:** SIX MONTH EXPOS.

**Route:** RESPIRATORY EXPOSURE WHOLE BODY

**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Isoprene

**CAS Number:** 78-79-5

**Date Report Requested:** 10/16/2014

**Time Report Requested:** 02:43:52

**First Dose M/F:** NA / NA

**Lab:** BNW

**ANIMAL ID:** 248

**TRT#:** 2

**SEX:** Male

**DAY ON TEST:** 185

**DOSE:** 70 PPM

**DISP:** Scheduled Sacrifice

**HISTO:** 19878

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

* Adrenal Cortex	* Adrenal Medulla	* Blood Vessel	* Bone
* Bone Marrow	* Brain	* Epididymis	* Esophagus
* Eye	* Gallbladder	* Harderian Gland	* Heart
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Kidney
* Larynx	* Liver	* Lung	* Lymph Node, Bronchial
* 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	* Skeletal Muscle	* Skin	* Spinal Cord
* Spleen	* Stomach, Forestomach	* Stomach, Glandular	* Testes
* Thymus	* Thyroid Gland	* Tongue	* Trachea
* Urinary Bladder	* Zymbal's Gland		

**MISSING**

\* Mammary Gland

**OBSERVATIONS**

\* Blood Vessel  
Note: Aorta is normal.

\* 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:** 05135-06

**Test Type:** SIX MONTH EXPOS.

**Route:** RESPIRATORY EXPOSURE WHOLE BODY

**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Isoprene

**CAS Number:** 78-79-5

**Date Report Requested:** 10/16/2014

**Time Report Requested:** 02:43:52

**First Dose M/F:** NA / NA

**Lab:** BNW

**ANIMAL ID:** 249

**TRT#:** 2

**SEX:** Male

**DAY ON TEST:** 185

**DOSE:** 70 PPM

**DISP:** Scheduled Sacrifice

**HISTO:** 19879

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

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

**MISSING**

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

\* Blood Vessel  
Note: Aorta is normal.

\* 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:** 05135-06  
**Test Type:** SIX MONTH EXPOS.  
**Route:** RESPIRATORY EXPOSURE WHOLE BODY  
**Species/Strain:** Mouse/B6C3F1

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

**Date Report Requested:** 10/16/2014  
**Time Report Requested:** 02:43:52  
**First Dose M/F:** NA / NA  
**Lab:** BNW

**ANIMAL ID:** 250

**TRT#:** 2

**SEX:** Male

**DAY ON TEST:** 185

**DOSE:** 70 PPM

**DISP:** Scheduled Sacrifice

**HISTO:** 19880

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

* Adrenal Cortex	* Adrenal Medulla	* Blood Vessel	* Bone
* Bone Marrow	* Brain	* Epididymis	* Esophagus
* Eye	* Gallbladder	* Harderian Gland	* Heart
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Kidney
* Larynx	* Lung	* 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	* Skeletal Muscle
* Skin	* Spinal Cord	* Spleen	* Stomach, Forestomach
* Stomach, Glandular	* Testes	* Thymus	* Thyroid Gland
* Tongue	* Trachea	* Urinary Bladder	* Zymbal's Gland

**MISSING**

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

* Blood Vessel Note: Aorta is normal.		
* Liver [ Hepatocellular Adenoma TGLS = 1-12, 2-13 ]	Hepatocellular Adenoma	Multiple
* 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:** 05135-06  
**Test Type:** SIX MONTH EXPOS.  
**Route:** RESPIRATORY EXPOSURE WHOLE BODY  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

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

**Date Report Requested:** 10/16/2014  
**Time Report Requested:** 02:43:52  
**First Dose M/F:** NA / NA  
**Lab:** BNW

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<b>ANIMAL ID:</b> 411	<b>TRT#:</b> 3 <b>DOSE:</b> 220 PPM	<b>SEX:</b> Male <b>DISP:</b> Terminal Sacrifice	<b>DAY ON TEST:</b> 372 <b>HISTO:</b> 19781
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**ORGAN AND ACCOUNTABLE SITE STATUS**

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**NORMAL**

* Harderian Gland	* Lung	* Nose	* Pancreas
* Peripheral Nerve	* Skeletal Muscle	* Stomach, Forestomach	* Stomach, Glandular
* Testes			

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**OBSERVATIONS**

* Islets, Pancreatic Note: The red is due to blood filled spaces in the islets. [ Hyperplasia TGLS = 1-12 ]	Hyperplasia	Moderate
* Liver [ Hepatocellular Adenoma TGLS = 2-13, 4-15 ]	Hepatocellular Adenoma Vacuolization Cytoplasmic	Multiple Minimal
* Perph Nerve Note: Sciatic nerve is normal.		
* Spinal Cord	Degeneration	Minimal

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PRIMARY CAUSE OF DEATH -

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05135-06  
**Test Type:** SIX MONTH EXPOS.  
**Route:** RESPIRATORY EXPOSURE WHOLE BODY  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

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

**Date Report Requested:** 10/16/2014  
**Time Report Requested:** 02:43:52  
**First Dose M/F:** NA / NA  
**Lab:** BNW

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<b>ANIMAL ID:</b> 412	<b>TRT#:</b> 3 <b>DOSE:</b> 220 PPM	<b>SEX:</b> Male <b>DISP:</b> Terminal Sacrifice	<b>DAY ON TEST:</b> 372 <b>HISTO:</b> 19782
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**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

* Harderian Gland	* Islets, Pancreatic	* Lung	* Nose
* Pancreas	* Peripheral Nerve	* Skeletal Muscle	* Spinal Cord
* Stomach, Forestomach	* Stomach, Glandular	* Testes	

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**OBSERVATIONS**

* Liver	Vacuolization Cytoplasmic	Minimal
* Perph Nerve		

Note: Sciatic nerve is normal.

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**PRIMARY CAUSE OF DEATH** -

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05135-06  
**Test Type:** SIX MONTH EXPOS.  
**Route:** RESPIRATORY EXPOSURE WHOLE BODY  
**Species/Strain:** Mouse/B6C3F1

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

**Date Report Requested:** 10/16/2014  
**Time Report Requested:** 02:43:52  
**First Dose M/F:** NA / NA  
**Lab:** BNW

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<b>ANIMAL ID:</b> 413	<b>TRT#:</b> 3 <b>DOSE:</b> 220 PPM	<b>SEX:</b> Male <b>DISP:</b> Terminal Sacrifice	<b>DAY ON TEST:</b> 372 <b>HISTO:</b> 19783
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**ORGAN AND ACCOUNTABLE SITE STATUS**

---

**NORMAL**

* Harderian Gland	* Lung	* Pancreas	* Peripheral Nerve
* Skeletal Muscle	* Spinal Cord	* Stomach, Forestomach	* Stomach, Glandular
* Testes			

---

**OBSERVATIONS**

* Islets, Pancreatic		Hyperplasia	Minimal
* Liver		Vacuolization Cytoplasmic	Mild
* Nose	Olfactory Epi, Turbinate	Degeneration	Minimal
* Perph Nerve			

Note: Sciatic nerve is normal.

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PRIMARY CAUSE OF DEATH

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05135-06  
**Test Type:** SIX MONTH EXPOS.  
**Route:** RESPIRATORY EXPOSURE WHOLE BODY  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

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

**Date Report Requested:** 10/16/2014  
**Time Report Requested:** 02:43:52  
**First Dose M/F:** NA / NA  
**Lab:** BNW

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<b>ANIMAL ID:</b> 414	<b>TRT#:</b> 3 <b>DOSE:</b> 220 PPM	<b>SEX:</b> Male <b>DISP:</b> Terminal Sacrifice	<b>DAY ON TEST:</b> 372 <b>HISTO:</b> 19784
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**ORGAN AND ACCOUNTABLE SITE STATUS**

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**NORMAL**

* Harderian Gland	* Islets, Pancreatic	* Lung	* Nose
* Pancreas	* Peripheral Nerve	* Skeletal Muscle	* Stomach, Forestomach
* Stomach, Glandular	* Testes		

---

**OBSERVATIONS**

* Liver	Vacuolization Cytoplasmic	Minimal
* Perph Nerve		
Note: Sciatic nerve is normal.		
* Spinal Cord	Degeneration	Minimal

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PRIMARY CAUSE OF DEATH

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05135-06  
**Test Type:** SIX MONTH EXPOS.  
**Route:** RESPIRATORY EXPOSURE WHOLE BODY  
**Species/Strain:** Mouse/B6C3F1

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

**Date Report Requested:** 10/16/2014  
**Time Report Requested:** 02:43:52  
**First Dose M/F:** NA / NA  
**Lab:** BNW

**ANIMAL ID:** 415

**TRT#:** 3

**SEX:** Male

**DAY ON TEST:** 260

**DOSE:** 220 PPM

**DISP:** Natural Death

**HISTO:** 19785

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

* Eye	* Pharynx	* Tongue	* Zymbal's Gland
<b>AUTO PRECLUDES DIAG.</b>			
* Adrenal Cortex	* Adrenal Medulla	* Blood Vessel	* Bone
* Bone Marrow	* Brain	* Epididymis	* Esophagus
* Gallbladder	* Harderian Gland	* Heart	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Kidney	* Larynx
* Liver	* Lung	* Lymph Node, Bronchial	* Lymph Node, Mandibular
* Lymph Node, Mediastinal	* Lymph Node, Mesenteric	* Mammary Gland	* Nose
* Pancreas	* Parathyroid Gland	* Peripheral Nerve	* Pituitary Gland
* Preputial Gland	* Prostate	* Salivary Glands	* Seminal Vesicle
* Skeletal Muscle	* Skin	* Spinal Cord	* Spleen
* Stomach, Forestomach	* Stomach, Glandular	* Testes	* Thymus
* Thyroid Gland	* Trachea	* Urinary Bladder	

**OBSERVATIONS**

\* Blood Vessel  
Note: Aorta is autolytic.

\* Lym Node Bron  
Note: Tracheobronchial lymph node is autolytic.

\* Perph Nerve  
Note: Sciatic nerve is autolytic.

**PRIMARY CAUSE OF DEATH** -

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05135-06  
**Test Type:** SIX MONTH EXPOS.  
**Route:** RESPIRATORY EXPOSURE WHOLE BODY  
**Species/Strain:** Mouse/B6C3F1

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

**Date Report Requested:** 10/16/2014  
**Time Report Requested:** 02:43:52  
**First Dose M/F:** NA / NA  
**Lab:** BNW

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<b>ANIMAL ID:</b> 416	<b>TRT#:</b> 3 <b>DOSE:</b> 220 PPM	<b>SEX:</b> Male <b>DISP:</b> Terminal Sacrifice	<b>DAY ON TEST:</b> 372 <b>HISTO:</b> 19786
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**ORGAN AND ACCOUNTABLE SITE STATUS**

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**NORMAL**

* Harderian Gland	* Islets, Pancreatic	* Lung	* Nose
* Pancreas	* Peripheral Nerve	* Skeletal Muscle	* Stomach, Forestomach
* Stomach, Glandular	* Testes		

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**OBSERVATIONS**

* Liver	Hepatocellular Adenoma	
	Vacuolization Cytoplasmic	Minimal
* Spinal Cord	Degeneration	Minimal

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**PRIMARY CAUSE OF DEATH** -

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05135-06  
**Test Type:** SIX MONTH EXPOS.  
**Route:** RESPIRATORY EXPOSURE WHOLE BODY  
**Species/Strain:** Mouse/B6C3F1

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

**Date Report Requested:** 10/16/2014  
**Time Report Requested:** 02:43:52  
**First Dose M/F:** NA / NA  
**Lab:** BNW

**ANIMAL ID:** 417

**TRT#:** 3  
**DOSE:** 220 PPM

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

**DAY ON TEST:** 372  
**HISTO:** 19787

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

* Lung	* Nose	* Pancreas	* Peripheral Nerve
* Skeletal Muscle	* Spinal Cord	* Stomach, Forestomach	* Stomach, Glandular
* Testes			

**OBSERVATIONS**

* Harderian Gland [ Adenoma TGLS = 3-9 ]	Adenoma	
* Islets, Pancreatic	Hyperplasia	Minimal
* Liver	Hepatocellular Adenoma	
	Hepatocellular Carcinoma	
	Vacuolization Cytoplasmic	Minimal

Note: Two neoplasia.

[ Hepatocellular Adenoma TGLS = 2-12 ]

[ Hepatocellular Carcinoma TGLS = 1,2-4 ]

\* Perph Nerve

Note: Sciatic nerve is normal.

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05135-06  
**Test Type:** SIX MONTH EXPOS.  
**Route:** RESPIRATORY EXPOSURE WHOLE BODY  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

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

**Date Report Requested:** 10/16/2014  
**Time Report Requested:** 02:43:52  
**First Dose M/F:** NA / NA  
**Lab:** BNW

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<b>ANIMAL ID:</b> 418	<b>TRT#:</b> 3 <b>DOSE:</b> 220 PPM	<b>SEX:</b> Male <b>DISP:</b> Terminal Sacrifice	<b>DAY ON TEST:</b> 372 <b>HISTO:</b> 19788
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**ORGAN AND ACCOUNTABLE SITE STATUS**

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**NORMAL**

* Harderian Gland	* Lung	* Nose	* Pancreas
* Peripheral Nerve	* Skeletal Muscle	* Stomach, Forestomach	* Stomach, Glandular
* Testes			

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**OBSERVATIONS**

* Islets, Pancreatic	Hyperplasia	Minimal
* Liver	Vacuolization Cytoplasmic	Minimal
* Perph Nerve		
Note: Sciatic nerve is normal.		
* Spinal Cord	Degeneration	Minimal

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PRIMARY CAUSE OF DEATH

-

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05135-06  
**Test Type:** SIX MONTH EXPOS.  
**Route:** RESPIRATORY EXPOSURE WHOLE BODY  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

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

**Date Report Requested:** 10/16/2014  
**Time Report Requested:** 02:43:52  
**First Dose M/F:** NA / NA  
**Lab:** BNW

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<b>ANIMAL ID:</b> 419	<b>TRT#:</b> 3 <b>DOSE:</b> 220 PPM	<b>SEX:</b> Male <b>DISP:</b> Terminal Sacrifice	<b>DAY ON TEST:</b> 372 <b>HISTO:</b> 19789
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**ORGAN AND ACCOUNTABLE SITE STATUS**

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**NORMAL**

* Harderian Gland	* Islets, Pancreatic	* Lung	* Pancreas
* Peripheral Nerve	* Skeletal Muscle	* Stomach, Forestomach	* Stomach, Glandular
* Testes			

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**OBSERVATIONS**

* Liver		Basophilic Focus Vacuolization Cytoplasmic	Minimal
[ Basophilic Focus TGLS = 1-12 ]			
* Nose	Olfactory Epi, Turbinate	Degeneration	Minimal
* Perph Nerve			
Note: Sciatic nerve is normal.			
* Spinal Cord		Degeneration	Minimal

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PRIMARY CAUSE OF DEATH

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05135-06  
**Test Type:** SIX MONTH EXPOS.  
**Route:** RESPIRATORY EXPOSURE WHOLE BODY  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

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

**Date Report Requested:** 10/16/2014  
**Time Report Requested:** 02:43:52  
**First Dose M/F:** NA / NA  
**Lab:** BNW

**ANIMAL ID:** 420

**TRT#:** 3

**SEX:** Male

**DAY ON TEST:** 372

**DOSE:** 220 PPM

**DISP:** Terminal Sacrifice

**HISTO:** 19790

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

\* Harderian Gland  
\* Peripheral Nerve  
\* Stomach, Glandular

\* Lung  
\* Skeletal Muscle  
\* Testes

\* Nose  
\* Spinal Cord

\* Pancreas  
\* Stomach, Forestomach

**OBSERVATIONS**

\* Islets, Pancreatic  
\* Liver  
\* Perph Nerve

Hyperplasia  
Vacuolization Cytoplasmic

Mild  
Minimal

Note: Sciatic nerve is normal.

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05135-06  
**Test Type:** SIX MONTH EXPOS.  
**Route:** RESPIRATORY EXPOSURE WHOLE BODY  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

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

**Date Report Requested:** 10/16/2014  
**Time Report Requested:** 02:43:52  
**First Dose M/F:** NA / NA  
**Lab:** BNW

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<b>ANIMAL ID:</b> 421	<b>TRT#:</b> 3 <b>DOSE:</b> 220 PPM	<b>SEX:</b> Male <b>DISP:</b> Terminal Sacrifice	<b>DAY ON TEST:</b> 372 <b>HISTO:</b> 19791
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**ORGAN AND ACCOUNTABLE SITE STATUS**

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**NORMAL**

* Islets, Pancreatic	* Lung	* Nose	* Pancreas
* Peripheral Nerve	* Skeletal Muscle	* Stomach, Forestomach	* Stomach, Glandular
* Testes			

---

**OBSERVATIONS**

* Harderian Gland		Adenoma	
* Liver		Hepatocellular Adenoma	Multiple
		Vacuolization Cytoplasmic	Minimal
Note: Tgl 3 = NCL. Not seen at trim. [ Hepatocellular Adenoma TGLS = 1-14, 2-12+13 ]			
* Perph Nerve			
Note: Sciatic nerve is normal.			
* Spinal Cord		Degeneration	Minimal

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PRIMARY CAUSE OF DEATH

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05135-06

**Test Type:** SIX MONTH EXPOS.

**Route:** RESPIRATORY EXPOSURE WHOLE BODY

**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Isoprene

**CAS Number:** 78-79-5

**Date Report Requested:** 10/16/2014

**Time Report Requested:** 02:43:52

**First Dose M/F:** NA / NA

**Lab:** BNW

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**ANIMAL ID:** 422

**TRT#:** 3

**SEX:** Male

**DAY ON TEST:** 372

**DOSE:** 220 PPM

**DISP:** Terminal Sacrifice

**HISTO:** 19792

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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**NORMAL**

\* Harderian Gland

\* Islets, Pancreatic

\* Lung

\* Nose

\* Pancreas

\* Peripheral Nerve

\* Skeletal Muscle

\* Stomach, Forestomach

\* Stomach, Glandular

\* Testes

---

**OBSERVATIONS**

\* Liver

Vacuolization Cytoplasmic

Minimal

\* Perph Nerve

Note: Sciatic nerve is normal.

\* Spinal Cord

Degeneration

Minimal

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PRIMARY CAUSE OF DEATH

-

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05135-06  
**Test Type:** SIX MONTH EXPOS.  
**Route:** RESPIRATORY EXPOSURE WHOLE BODY  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

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

**Date Report Requested:** 10/16/2014  
**Time Report Requested:** 02:43:52  
**First Dose M/F:** NA / NA  
**Lab:** BNW

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<b>ANIMAL ID:</b> 423	<b>TRT#:</b> 3 <b>DOSE:</b> 220 PPM	<b>SEX:</b> Male <b>DISP:</b> Terminal Sacrifice	<b>DAY ON TEST:</b> 372 <b>HISTO:</b> 19793
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**ORGAN AND ACCOUNTABLE SITE STATUS**

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**NORMAL**

* Harderian Gland	* Nose	* Pancreas	* Peripheral Nerve
* Skeletal Muscle	* Stomach, Glandular	* Testes	

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**OBSERVATIONS**

* Islets, Pancreatic	Hyperplasia	Mild
* Liver	Vacuolization Cytoplasmic	Minimal
* Lung [ Alveolar/Bronchiolar Adenoma TGLS = 1-3 ]	Alveolar/Bronchiolar Adenoma	
* Perph Nerve Note: Sciatic nerve is normal.		
* Spinal Cord	Degeneration	Minimal
* Stomach, Forestomach Note: Mast cells also in cranial and vertebral bone marrow, but; not diagnosed since they were not target organs or tgls.	Infiltration Cellular	Mast Cell, Mild

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PRIMARY CAUSE OF DEATH -

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05135-06  
**Test Type:** SIX MONTH EXPOS.  
**Route:** RESPIRATORY EXPOSURE WHOLE BODY  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

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

**Date Report Requested:** 10/16/2014  
**Time Report Requested:** 02:43:52  
**First Dose M/F:** NA / NA  
**Lab:** BNW

**ANIMAL ID:** 424

**TRT#:** 3

**SEX:** Male

**DAY ON TEST:** 372

**DOSE:** 220 PPM

**DISP:** Terminal Sacrifice

**HISTO:** 19794

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

\* Harderian Gland  
\* Pancreas  
\* Stomach, Forestomach

\* Islets, Pancreatic  
\* Peripheral Nerve  
\* Stomach, Glandular

\* Lung  
\* Skeletal Muscle  
\* Testes

\* Nose  
\* Spinal Cord

**OBSERVATIONS**

\* Liver

Hepatocellular Carcinoma  
Vacuolization Cytoplasmic

Minimal

[ Hepatocellular Carcinoma TGLS = 1-12+13 ]

\* Perph Nerve

Note: Sciatic nerve is normal.

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05135-06  
**Test Type:** SIX MONTH EXPOS.  
**Route:** RESPIRATORY EXPOSURE WHOLE BODY  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

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

**Date Report Requested:** 10/16/2014  
**Time Report Requested:** 02:43:52  
**First Dose M/F:** NA / NA  
**Lab:** BNW

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<b>ANIMAL ID:</b> 425	<b>TRT#:</b> 3 <b>DOSE:</b> 220 PPM	<b>SEX:</b> Male <b>DISP:</b> Terminal Sacrifice	<b>DAY ON TEST:</b> 372 <b>HISTO:</b> 19795
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**ORGAN AND ACCOUNTABLE SITE STATUS**

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**NORMAL**

* Harderian Gland	* Lung	* Nose	* Pancreas
* Peripheral Nerve	* Skeletal Muscle	* Stomach, Forestomach	* Stomach, Glandular
* Testes			

---

**OBSERVATIONS**

* Bone Note: Cranial bone is a bit thicker and more solid with less marrow space than normal. [ Osteopetrosis TGLS = 1-12 ]	Osteopetrosis	Minimal
* Islets, Pancreatic	Hyperplasia	Mild
* Liver	Vacuolization Cytoplasmic	Mild
* Perph Nerve Note: Sciatic nerve is normal.		
* Spinal Cord	Degeneration	Minimal

---

PRIMARY CAUSE OF DEATH -

---

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05135-06  
**Test Type:** SIX MONTH EXPOS.  
**Route:** RESPIRATORY EXPOSURE WHOLE BODY  
**Species/Strain:** Mouse/B6C3F1

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

**Date Report Requested:** 10/16/2014  
**Time Report Requested:** 02:43:52  
**First Dose M/F:** NA / NA  
**Lab:** BNW

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<b>ANIMAL ID:</b> 426	<b>TRT#:</b> 3 <b>DOSE:</b> 220 PPM	<b>SEX:</b> Male <b>DISP:</b> Terminal Sacrifice	<b>DAY ON TEST:</b> 372 <b>HISTO:</b> 19796
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**ORGAN AND ACCOUNTABLE SITE STATUS**

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**NORMAL**

* Lung	* Pancreas	* Peripheral Nerve	* Skeletal Muscle
* Spinal Cord	* Stomach, Forestomach	* Stomach, Glandular	* Testes

---

**OBSERVATIONS**

* Harderian Gland [ Adenoma TGLS = 1-12 ]		Adenoma	
* Islets, Pancreatic		Hyperplasia	Mild
* Liver		Vacuolization Cytoplasmic	Minimal
* Nose	Olfactory Epi, Turbinate	Degeneration	Minimal
* Perph Nerve			

Note: Sciatic nerve is normal.

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PRIMARY CAUSE OF DEATH

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05135-06  
**Test Type:** SIX MONTH EXPOS.  
**Route:** RESPIRATORY EXPOSURE WHOLE BODY  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

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

**Date Report Requested:** 10/16/2014  
**Time Report Requested:** 02:43:52  
**First Dose M/F:** NA / NA  
**Lab:** BNW

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<b>ANIMAL ID:</b> 427	<b>TRT#:</b> 3 <b>DOSE:</b> 220 PPM	<b>SEX:</b> Male <b>DISP:</b> Terminal Sacrifice	<b>DAY ON TEST:</b> 372 <b>HISTO:</b> 19797
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**ORGAN AND ACCOUNTABLE SITE STATUS**

---

**NORMAL**

* Harderian Gland	* Lung	* Pancreas	* Peripheral Nerve
* Skeletal Muscle	* Stomach, Forestomach	* Stomach, Glandular	* Testes

---

**OBSERVATIONS**

* Islets, Pancreatic		Hyperplasia	Minimal
* Liver		Hepatocellular Adenoma	
		Vacuolization Cytoplasmic	Mild
[ Hepatocellular Adenoma TGLS = 1-12 ]			
* Nose	Olfactory Epi, Turbinate	Degeneration	Minimal
* Perph Nerve			
Note: Sciatic nerve is normal.			
* Spinal Cord		Degeneration	Minimal

---

PRIMARY CAUSE OF DEATH

---

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05135-06  
**Test Type:** SIX MONTH EXPOS.  
**Route:** RESPIRATORY EXPOSURE WHOLE BODY  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

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

**Date Report Requested:** 10/16/2014  
**Time Report Requested:** 02:43:52  
**First Dose M/F:** NA / NA  
**Lab:** BNW

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<b>ANIMAL ID:</b> 428	<b>TRT#:</b> 3 <b>DOSE:</b> 220 PPM	<b>SEX:</b> Male <b>DISP:</b> Terminal Sacrifice	<b>DAY ON TEST:</b> 372 <b>HISTO:</b> 19798
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**ORGAN AND ACCOUNTABLE SITE STATUS**

---

**NORMAL**

* Harderian Gland	* Islets, Pancreatic	* Lung	* Nose
* Pancreas	* Peripheral Nerve	* Skeletal Muscle	* Stomach, Forestomach
* Stomach, Glandular	* Testes		

---

**OBSERVATIONS**

* Liver	Vacuolization Cytoplasmic	Mild
* Perph Nerve		
Note: Sciatic nerve is normal.		
* Spinal Cord	Degeneration	Minimal

---

PRIMARY CAUSE OF DEATH

---

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05135-06

Test Type: SIX MONTH EXPOS.

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

Test Compound: Isoprene

CAS Number: 78-79-5

Date Report Requested: 10/16/2014

Time Report Requested: 02:43:52

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 429

TRT#: 3

SEX: Male

DAY ON TEST: 372

DOSE: 220 PPM

DISP: Terminal Sacrifice

HISTO: 19799

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

\* Harderian Gland

\* Islets, Pancreatic

\* Lung

\* Pancreas

\* Peripheral Nerve

\* Skeletal Muscle

\* Stomach, Forestomach

\* Stomach, Glandular

\* Testes

**OBSERVATIONS**

\* Liver

Vacuolization Cytoplasmic

Minimal

\* Nose

Turbinates

Inflammation

Minimal

Note: Inflammation, nld

\* Perph Nerve

Note: Sciatic nerve is normal.

\* Spinal Cord

Degeneration

Minimal

Tooth

Odontoma

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05135-06  
**Test Type:** SIX MONTH EXPOS.  
**Route:** RESPIRATORY EXPOSURE WHOLE BODY  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

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

**Date Report Requested:** 10/16/2014  
**Time Report Requested:** 02:43:52  
**First Dose M/F:** NA / NA  
**Lab:** BNW

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<b>ANIMAL ID:</b> 430	<b>TRT#:</b> 3 <b>DOSE:</b> 220 PPM	<b>SEX:</b> Male <b>DISP:</b> Terminal Sacrifice	<b>DAY ON TEST:</b> 372 <b>HISTO:</b> 19800
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**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

* Harderian Gland	* Islets, Pancreatic	* Liver	* Nose
* Pancreas	* Peripheral Nerve	* Skeletal Muscle	* Stomach, Forestomach
* Stomach, Glandular	* Testes		

---

**OBSERVATIONS**

* Lung [ Hemorrhage TGLS = 1-3 ]		Hemorrhage	Mild
* Perph Nerve Note: Sciatic nerve is normal.			
* Spinal Cord	Meninges	Cyst Epithelial Inclusion	

---

PRIMARY CAUSE OF DEATH

-

---

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05135-06

**Test Type:** SIX MONTH EXPOS.

**Route:** RESPIRATORY EXPOSURE WHOLE BODY

**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Isoprene

**CAS Number:** 78-79-5

**Date Report Requested:** 10/16/2014

**Time Report Requested:** 02:43:52

**First Dose M/F:** NA / NA

**Lab:** BNW

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**ANIMAL ID:** 431

**TRT#:** 3

**SEX:** Male

**DAY ON TEST:** 372

**DOSE:** 220 PPM

**DISP:** Terminal Sacrifice

**HISTO:** 19801

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**ORGAN AND ACCOUNTABLE SITE STATUS**

---

**NORMAL**

\* Harderian Gland

\* Islets, Pancreatic

\* Lung

\* Nose

\* Pancreas

\* Peripheral Nerve

\* Skeletal Muscle

\* Stomach, Forestomach

\* Stomach, Glandular

\* Testes

---

**OBSERVATIONS**

\* Liver

Vacuolization Cytoplasmic

Minimal

\* Perph Nerve

Note: Sciatic nerve is normal.

\* Spinal Cord

Degeneration

Minimal

---

PRIMARY CAUSE OF DEATH

-

---

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05135-06  
**Test Type:** SIX MONTH EXPOS.  
**Route:** RESPIRATORY EXPOSURE WHOLE BODY  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

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

**Date Report Requested:** 10/16/2014  
**Time Report Requested:** 02:43:52  
**First Dose M/F:** NA / NA  
**Lab:** BNW

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<b>ANIMAL ID:</b> 432	<b>TRT#:</b> 3 <b>DOSE:</b> 220 PPM	<b>SEX:</b> Male <b>DISP:</b> Terminal Sacrifice	<b>DAY ON TEST:</b> 372 <b>HISTO:</b> 19802
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**ORGAN AND ACCOUNTABLE SITE STATUS**

---

**NORMAL**

* Harderian Gland	* Islets, Pancreatic	* Lung	* Nose
* Pancreas	* Peripheral Nerve	* Skeletal Muscle	* Stomach, Forestomach
* Stomach, Glandular	* Testes		

---

**OBSERVATIONS**

* Liver	Mixed Cell Focus Vacuolization Cytoplasmic	Minimal
[ Mixed Cell Focus TGLS = 1-12 ]		
* Perph Nerve Note: Sciatic nerve is normal.		
* Spinal Cord	Degeneration	Minimal

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PRIMARY CAUSE OF DEATH -

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05135-06  
**Test Type:** SIX MONTH EXPOS.  
**Route:** RESPIRATORY EXPOSURE WHOLE BODY  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

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

**Date Report Requested:** 10/16/2014  
**Time Report Requested:** 02:43:52  
**First Dose M/F:** NA / NA  
**Lab:** BNW

---

**ANIMAL ID:** 433

**TRT#:** 3  
**DOSE:** 220 PPM

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

**DAY ON TEST:** 372  
**HISTO:** 19803

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**ORGAN AND ACCOUNTABLE SITE STATUS**

---

**NORMAL**

\* Harderian Gland  
\* Nose  
\* Stomach, Forestomach

\* Islets, Pancreatic  
\* Pancreas  
\* Stomach, Glandular

\* Liver  
\* Peripheral Nerve  
\* Testes

\* Lung  
\* Skeletal Muscle

---

**OBSERVATIONS**

\* Perph Nerve  
    Note: Sciatic nerve is normal.  
\* Spinal Cord

Degeneration

Minimal

---

**PRIMARY CAUSE OF DEATH** -

---

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05135-06  
**Test Type:** SIX MONTH EXPOS.  
**Route:** RESPIRATORY EXPOSURE WHOLE BODY  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

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

**Date Report Requested:** 10/16/2014  
**Time Report Requested:** 02:43:52  
**First Dose M/F:** NA / NA  
**Lab:** BNW

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<b>ANIMAL ID:</b> 434	<b>TRT#:</b> 3 <b>DOSE:</b> 220 PPM	<b>SEX:</b> Male <b>DISP:</b> Terminal Sacrifice	<b>DAY ON TEST:</b> 372 <b>HISTO:</b> 19804
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**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

* Harderian Gland	* Islets, Pancreatic	* Liver	* Nose
* Pancreas	* Peripheral Nerve	* Skeletal Muscle	* Stomach, Forestomach
* Stomach, Glandular	* Testes		

---

**OBSERVATIONS**

* Lung [ Hemorrhage TGLS = 1-3 ]		Hemorrhage	Mild
* Perph Nerve Note: Sciatic nerve is normal.			
* Spinal Cord		Degeneration	Minimal

---

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05135-06  
**Test Type:** SIX MONTH EXPOS.  
**Route:** RESPIRATORY EXPOSURE WHOLE BODY  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

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

**Date Report Requested:** 10/16/2014  
**Time Report Requested:** 02:43:52  
**First Dose M/F:** NA / NA  
**Lab:** BNW

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<b>ANIMAL ID:</b> 435	<b>TRT#:</b> 3	<b>SEX:</b> Male	<b>DAY ON TEST:</b> 372
	<b>DOSE:</b> 220 PPM	<b>DISP:</b> Terminal Sacrifice	<b>HISTO:</b> 19805

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**ORGAN AND ACCOUNTABLE SITE STATUS**

---

**NORMAL**

* Islets, Pancreatic	* Lung	* Nose	* Pancreas
* Peripheral Nerve	* Skeletal Muscle	* Spinal Cord	* Stomach, Forestomach
* Stomach, Glandular	* Testes		

---

**OBSERVATIONS**

* Harderian Gland [ Adenoma TGLS = 1-12 ]	Adenoma	
* Liver	Necrosis	Minimal
	Vacuolization Cytoplasmic	Minimal

Note: Necrosis, nos.

\* Perph Nerve

Note: Sciatic nerve is normal.

---

PRIMARY CAUSE OF DEATH -

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\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05135-06

Test Type: SIX MONTH EXPOS.

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Isoprene

CAS Number: 78-79-5

Date Report Requested: 10/16/2014

Time Report Requested: 02:43:52

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 436

TRT#: 3

SEX: Male

DAY ON TEST: 309

DOSE: 220 PPM

DISP: Moribund Sacrifice

HISTO: 19806

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Brain	* Epididymis	* Esophagus	* Eye
* Gallbladder	* Heart	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Kidney	* Larynx	* Liver
* Lung	* Lymph Node, Bronchial	* Lymph Node, Mediastinal	* Lymph Node, Mesenteric
* Nose	* Pancreas	* Peripheral Nerve	* Pharynx
* Preputial Gland	* Prostate	* Salivary Glands	* Seminal Vesicle
* Skeletal Muscle	* Skin	* Spinal Cord	* Spleen
* Stomach, Forestomach	* Stomach, Glandular	* Testes	* Thymus
* Thyroid Gland	* Tongue	* Trachea	* Urinary Bladder
* Zymbal's Gland			

MISSING

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

* Blood Vessel Note: Aorta is missing.			
* Harderian Gland		Hyperplasia	Moderate
* Lym Node Bron Note: Tracheobronchial lymph node is normal.			
* Perph Nerve Note: Sciatic nerve is normal.			
* Pituitary Gland	Pars Distalis	Cyst	
* Stom Forestom Note: Tgl 3 = NCL. Diverticulum appears to be artifactual. The forestomach mucosa is protruding through a defect in the muscularis due to possible nick at necropsy.			
Tooth [ Deformity TGLS = 1-9 ]		Deformity	

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05135-06  
**Test Type:** SIX MONTH EXPOS.  
**Route:** RESPIRATORY EXPOSURE WHOLE BODY  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

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

**Date Report Requested:** 10/16/2014  
**Time Report Requested:** 02:43:52  
**First Dose M/F:** NA / NA  
**Lab:** BNW

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<b>ANIMAL ID:</b> 437	<b>TRT#:</b> 3 <b>DOSE:</b> 220 PPM	<b>SEX:</b> Male <b>DISP:</b> Terminal Sacrifice	<b>DAY ON TEST:</b> 372 <b>HISTO:</b> 19807
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**ORGAN AND ACCOUNTABLE SITE STATUS**

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**NORMAL**

* Harderian Gland	* Lung	* Pancreas	* Peripheral Nerve
* Skeletal Muscle	* Spinal Cord	* Stomach, Forestomach	* Stomach, Glandular
* Testes			

---

**OBSERVATIONS**

* Islets, Pancreatic		Hyperplasia	Mild
* Liver		Vacuolization Cytoplasmic	Minimal
* Nose	Olfactory Epi, Turbinate	Degeneration	Minimal
* Perph Nerve			

Note: Sciatic nerve is normal.

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PRIMARY CAUSE OF DEATH

-

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05135-06  
**Test Type:** SIX MONTH EXPOS.  
**Route:** RESPIRATORY EXPOSURE WHOLE BODY  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

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

**Date Report Requested:** 10/16/2014  
**Time Report Requested:** 02:43:52  
**First Dose M/F:** NA / NA  
**Lab:** BNW

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<b>ANIMAL ID:</b> 438	<b>TRT#:</b> 3 <b>DOSE:</b> 220 PPM	<b>SEX:</b> Male <b>DISP:</b> Terminal Sacrifice	<b>DAY ON TEST:</b> 372 <b>HISTO:</b> 19808
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**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

* Islets, Pancreatic	* Liver	* Lung	* Nose
* Pancreas	* Peripheral Nerve	* Skeletal Muscle	* Stomach, Forestomach
* Stomach, Glandular	* Testes		

---

**OBSERVATIONS**

* Harderian Gland	Hyperplasia	Minimal
* Perph Nerve		
Note: Sciatic nerve is normal.		
* Spinal Cord	Degeneration	Minimal

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PRIMARY CAUSE OF DEATH

-

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05135-06  
**Test Type:** SIX MONTH EXPOS.  
**Route:** RESPIRATORY EXPOSURE WHOLE BODY  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

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

**Date Report Requested:** 10/16/2014  
**Time Report Requested:** 02:43:52  
**First Dose M/F:** NA / NA  
**Lab:** BNW

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<b>ANIMAL ID:</b> 439	<b>TRT#:</b> 3 <b>DOSE:</b> 220 PPM	<b>SEX:</b> Male <b>DISP:</b> Terminal Sacrifice	<b>DAY ON TEST:</b> 372 <b>HISTO:</b> 19809
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**ORGAN AND ACCOUNTABLE SITE STATUS**

---

**NORMAL**

* Harderian Gland	* Lung	* Nose	* Pancreas
* Peripheral Nerve	* Skeletal Muscle	* Stomach, Forestomach	* Stomach, Glandular
* Testes			

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**OBSERVATIONS**

* Islets, Pancreatic	Hyperplasia	Minimal
* Liver	Hepatocellular Adenoma	Multiple
	Hepatocellular Carcinoma	
	Vacuolization Cytoplasmic	Minimal
[ Hepatocellular Adenoma TGLS = 2-12+13 ]		
[ Hepatocellular Carcinoma TGLS = 1-14 ]		
* Perph Nerve		
Note: Sciatic nerve is normal.		
* Spinal Cord	Degeneration	Minimal

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PRIMARY CAUSE OF DEATH -

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05135-06  
**Test Type:** SIX MONTH EXPOS.  
**Route:** RESPIRATORY EXPOSURE WHOLE BODY  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

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

**Date Report Requested:** 10/16/2014  
**Time Report Requested:** 02:43:52  
**First Dose M/F:** NA / NA  
**Lab:** BNW

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<b>ANIMAL ID:</b> 440	<b>TRT#:</b> 3 <b>DOSE:</b> 220 PPM	<b>SEX:</b> Male <b>DISP:</b> Terminal Sacrifice	<b>DAY ON TEST:</b> 372 <b>HISTO:</b> 19810
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**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

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* Harderian Gland	* Lung	* Nose	* Pancreas
* Peripheral Nerve	* Skeletal Muscle	* Stomach, Forestomach	* Stomach, Glandular
* Testes			

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**OBSERVATIONS**

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* Islets, Pancreatic	Hyperplasia	Minimal
* Liver	Vacuolization Cytoplasmic	Minimal
* Perph Nerve		
Note: Sciatic nerve is normal.		
* Spinal Cord	Degeneration	Minimal

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PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05135-06

Test Type: SIX MONTH EXPOS.

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Isoprene

CAS Number: 78-79-5

Date Report Requested: 10/16/2014

Time Report Requested: 02:43:52

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 441

TRT#: 3

DOSE: 220 PPM

SEX: Male

DISP: Scheduled Sacrifice

DAY ON TEST: 185

HISTO: 19811

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

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

* Blood Vessel Note: Aorta is normal.		
* Liver	Vacuolization Cytoplasmic	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: 05135-06

Test Type: SIX MONTH EXPOS.

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Isoprene

CAS Number: 78-79-5

Date Report Requested: 10/16/2014

Time Report Requested: 02:43:52

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 442

TRT#: 3

SEX: Male

DAY ON TEST: 185

DOSE: 220 PPM

DISP: Scheduled Sacrifice

HISTO: 19812

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- |                          |                            |                           |                             |
|--------------------------|----------------------------|---------------------------|-----------------------------|
| * Adrenal Cortex         | * Adrenal Medulla          | * Blood Vessel            | * Bone                      |
| * Bone Marrow            | * Brain                    | * Epididymis              | * Esophagus                 |
| * Eye                    | * Gallbladder              | * Harderian Gland         | * Heart                     |
| * Intestine Large, Cecum | * Intestine Large, Colon   | * Intestine Large, Rectum | * Intestine Small, Duodenum |
| * Intestine Small, Ileum | * Intestine Small, Jejunum | * Islets, Pancreatic      | * Kidney                    |
| * Larynx                 | * Liver                    | * Lung                    | * Lymph Node, Bronchial     |
| * 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        | * Skeletal Muscle          | * Skin                    | * Spinal Cord               |
| * Spleen                 | * Stomach, Forestomach     | * Stomach, Glandular      | * Thymus                    |
| * Thyroid Gland          | * Tongue                   | * Trachea                 | * Urinary Bladder           |
| * Zymbal's Gland         |                            |                           |                             |

MISSING

- \* Mammary Gland

OBSERVATIONS

- \* Blood Vessel  
Note: Aorta is normal.
- \* Lym Node Bron  
Note: Tracheobronchial lymph node is normal.
- \* Perph Nerve  
Note: Sciatic nerve is normal.
- \* Testes

Atrophy

Minimal

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05135-06

Test Type: SIX MONTH EXPOS.

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Isoprene

CAS Number: 78-79-5

Date Report Requested: 10/16/2014

Time Report Requested: 02:43:52

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 443

TRT#: 3

SEX: Male

DAY ON TEST: 185

DOSE: 220 PPM

DISP: Scheduled Sacrifice

HISTO: 19813

ORGAN AND ACCOUNTABLE SITE STATUS

**NORMAL**

* Adrenal Cortex	* Adrenal Medulla	* Blood Vessel	* Bone
* Bone Marrow	* Brain	* Epididymis	* Esophagus
* Eye	* Gallbladder	* Harderian Gland	* Heart
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Kidney	* Larynx
* Liver	* Lung	* 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	* Skeletal Muscle
* Skin	* Spinal Cord	* Spleen	* Stomach, Forestomach
* Stomach, Glandular	* Testes	* Thymus	* Thyroid Gland
* Tongue	* Trachea	* Urinary Bladder	* Zymbal's Gland

**MISSING**

* Intestine Small, Duodenum	* Lymph Node, Mediastinal	* Mammary Gland
-----------------------------	---------------------------	-----------------

**OBSERVATIONS**

\* Blood Vessel  
Note: Aorta is normal.

\* 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:** 05135-06  
**Test Type:** SIX MONTH EXPOS.  
**Route:** RESPIRATORY EXPOSURE WHOLE BODY  
**Species/Strain:** Mouse/B6C3F1

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

**Date Report Requested:** 10/16/2014  
**Time Report Requested:** 02:43:52  
**First Dose M/F:** NA / NA  
**Lab:** BNW

**ANIMAL ID:** 444

**TRT#:** 3

**SEX:** Male

**DAY ON TEST:** 185

**DOSE:** 220 PPM

**DISP:** Scheduled Sacrifice

**HISTO:** 19814

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

* Adrenal Cortex	* Adrenal Medulla	* Blood Vessel	* Bone
* Bone Marrow	* Epididymis	* Esophagus	* Eye
* Gallbladder	* Harderian Gland	* Heart	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Kidney	* Larynx
* Liver	* Lung	* Lymph Node, Bronchial	* 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
* Skeletal Muscle	* Skin	* Spinal Cord	* Spleen
* Stomach, Forestomach	* Stomach, Glandular	* Testes	* Thymus
* Thyroid Gland	* Tongue	* Trachea	* Urinary Bladder
* Zymbal's Gland			

**MISSING**

\* Mammary Gland

**OBSERVATIONS**

\* Blood Vessel

Note: Aorta is normal.

\* Brain

Cyst Epithelial Inclusion

\* 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:** 05135-06

**Test Type:** SIX MONTH EXPOS.

**Route:** RESPIRATORY EXPOSURE WHOLE BODY

**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Isoprene

**CAS Number:** 78-79-5

**Date Report Requested:** 10/16/2014

**Time Report Requested:** 02:43:52

**First Dose M/F:** NA / NA

**Lab:** BNW

**ANIMAL ID:** 445

**TRT#:** 3

**SEX:** Male

**DAY ON TEST:** 185

**DOSE:** 220 PPM

**DISP:** Scheduled Sacrifice

**HISTO:** 19815

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

* Adrenal Cortex	* Adrenal Medulla	* Blood Vessel	* Bone
* Bone Marrow	* Brain	* Epididymis	* Esophagus
* Eye	* Gallbladder	* Harderian Gland	* Heart
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Kidney
* Larynx	* Liver	* Lung	* Lymph Node, Bronchial
* 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	* Testes	* Thymus
* Thyroid Gland	* Tongue	* Trachea	* Urinary Bladder
* Zymbal's Gland			

**MISSING**

\* Mammary Gland

**OBSERVATIONS**

\* Blood Vessel

Note: Aorta is normal.

\* Lym Node Bron

Note: Tracheobronchial lymph node is normal.

\* Perph Nerve

Note: Sciatic nerve is normal.

\* Skeletal Muscle

Note: Tgl 1 = NCL

Inflammation

Mild

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05135-06  
**Test Type:** SIX MONTH EXPOS.  
**Route:** RESPIRATORY EXPOSURE WHOLE BODY  
**Species/Strain:** Mouse/B6C3F1

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

**Date Report Requested:** 10/16/2014  
**Time Report Requested:** 02:43:52  
**First Dose M/F:** NA / NA  
**Lab:** BNW

**ANIMAL ID:** 446

**TRT#:** 3

**SEX:** Male

**DAY ON TEST:** 185

**DOSE:** 220 PPM

**DISP:** Scheduled Sacrifice

**HISTO:** 19816

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

* Adrenal Cortex	* Adrenal Medulla	* Blood Vessel	* Bone
* Bone Marrow	* Brain	* Epididymis	* Esophagus
* Eye	* Gallbladder	* Harderian Gland	* Heart
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Kidney
* Larynx	* Lung	* Lymph Node, Bronchial	* 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
* Skeletal Muscle	* Skin	* Spinal Cord	* Spleen
* Stomach, Forestomach	* Stomach, Glandular	* Testes	* Thymus
* Thyroid Gland	* Tongue	* Trachea	* Urinary Bladder
* Zymbal's Gland			

**MISSING**

\* Mammary Gland

**OBSERVATIONS**

\* Blood Vessel

Note: Aorta is normal.

\* Liver

Vacuolization Cytoplasmic

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: 05135-06

Test Type: SIX MONTH EXPOS.

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Isoprene

CAS Number: 78-79-5

Date Report Requested: 10/16/2014

Time Report Requested: 02:43:52

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 447

TRT#: 3

SEX: Male

DAY ON TEST: 185

DOSE: 220 PPM

DISP: Scheduled Sacrifice

HISTO: 19817

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

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

OBSERVATIONS

- |   |             |         |
|---|-------------|---------|
| * Blood Vessel<br>Note: Aorta is normal.                        |             |         |
| * Harderian Gland   | Hyperplasia | Minimal |
| * Lym Node Bron<br>Note: Tracheobronchial lymph node is normal. |             |         |
| * Perph Nerve<br>Note: Sciatic nerve is normal.                 |             |         |

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05135-06

Test Type: SIX MONTH EXPOS.

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Isoprene

CAS Number: 78-79-5

Date Report Requested: 10/16/2014

Time Report Requested: 02:43:52

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 448

TRT#: 3

SEX: Male

DAY ON TEST: 185

DOSE: 220 PPM

DISP: Scheduled Sacrifice

HISTO: 19818

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

- |                 |                         |                           |                          |
|-----------------|-------------------------|---------------------------|--------------------------|
| * Gallbladder   | * Lymph Node, Bronchial | * Lymph Node, Mediastinal | * Lymph Node, Mesenteric |
| * Mammary Gland |                         |                           |                          |

OBSERVATIONS

- |  |  |                           |         |
|--|--|---------------------------|---------|
| * Blood Vessel<br>Note: Aorta is normal.                         |  |                           |         |
| * Liver  |  | Vacuolization Cytoplasmic | Minimal |
| * Lym Node Bron<br>Note: Tracheobronchial lymph node is missing. |  |                           |         |
| * Perph Nerve<br>Note: Sciatic nerve is normal.                  |  |                           |         |

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05135-06

Test Type: SIX MONTH EXPOS.

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Isoprene

CAS Number: 78-79-5

Date Report Requested: 10/16/2014

Time Report Requested: 02:43:52

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 449

TRT#: 3

SEX: Male

DAY ON TEST: 185

DOSE: 220 PPM

DISP: Scheduled Sacrifice

HISTO: 19819

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- |                          |                            |                           |                             |
|--------------------------|----------------------------|---------------------------|-----------------------------|
| * Adrenal Cortex         | * Adrenal Medulla          | * Blood Vessel            | * Bone                      |
| * Bone Marrow            | * Brain                    | * Epididymis              | * Esophagus                 |
| * Eye                    | * Gallbladder              | * Harderian Gland         | * Heart                     |
| * Intestine Large, Cecum | * Intestine Large, Colon   | * Intestine Large, Rectum | * Intestine Small, Duodenum |
| * Intestine Small, Ileum | * Intestine Small, Jejunum | * Islets, Pancreatic      | * Kidney                    |
| * Larynx                 | * Liver                    | * Lung                    | * Lymph Node, Bronchial     |
| * Lymph Node, Mandibular | * Lymph Node, Mediastinal  | * Nose                    | * Pancreas                  |
| * Peripheral Nerve       | * Pharynx                  | * Pituitary Gland         | * Preputial Gland           |
| * Prostate               | * Salivary Glands          | * Seminal Vesicle         | * Skeletal Muscle           |
| * Skin                   | * Spinal Cord              | * Spleen                  | * Stomach, Forestomach      |
| * Stomach, Glandular     | * Testes                   | * Thymus                  | * Thyroid Gland             |
| * Tongue                 | * Trachea                  | * Urinary Bladder         | * Zymbal's Gland            |

MISSING

- |                          |                 |                     |
|--------------------------|-----------------|---------------------|
| * Lymph Node, Mesenteric | * Mammary Gland | * Parathyroid Gland |
|--------------------------|-----------------|---------------------|

OBSERVATIONS

- \* Blood Vessel  
Note: Aorta is normal.
- \* 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: 05135-06

Test Type: SIX MONTH EXPOS.

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Isoprene

CAS Number: 78-79-5

Date Report Requested: 10/16/2014

Time Report Requested: 02:43:52

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 450

TRT#: 3

SEX: Male

DAY ON TEST: 185

DOSE: 220 PPM

DISP: Scheduled Sacrifice

HISTO: 19820

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- |                           |                            |                           |                             |
|---------------------------|----------------------------|---------------------------|-----------------------------|
| * Adrenal Cortex          | * Adrenal Medulla          | * Blood Vessel            | * Bone                      |
| * Bone Marrow             | * Brain                    | * Epididymis              | * Esophagus                 |
| * Eye                     | * Gallbladder              | * Harderian Gland         | * Heart                     |
| * Intestine Large, Cecum  | * Intestine Large, Colon   | * Intestine Large, Rectum | * Intestine Small, Duodenum |
| * Intestine Small, Ileum  | * Intestine Small, Jejunum | * Islets, Pancreatic      | * Kidney                    |
| * Larynx                  | * Lung                     | * Lymph Node, Bronchial   | * 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           |
| * Skeletal Muscle         | * Skin                     | * Spinal Cord             | * Spleen                    |
| * Stomach, Forestomach    | * Stomach, Glandular       | * Testes                  | * Thymus                    |
| * Thyroid Gland           | * Tongue                   | * Trachea                 | * Urinary Bladder           |
| * Zymbal's Gland          |                            |                           |                             |

MISSING

- \* Mammary Gland

OBSERVATIONS

- \* Blood Vessel  
Note: Aorta is normal.
- \* Liver  
[ Basophilic Focus TGLS = 1-8 ]  
Basophilic Focus 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:** 05135-06  
**Test Type:** SIX MONTH EXPOS.  
**Route:** RESPIRATORY EXPOSURE WHOLE BODY  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

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

**Date Report Requested:** 10/16/2014  
**Time Report Requested:** 02:43:52  
**First Dose M/F:** NA / NA  
**Lab:** BNW

---

<b>ANIMAL ID:</b> 611	<b>TRT#:</b> 4	<b>SEX:</b> Male	<b>DAY ON TEST:</b> 372
	<b>DOSE:</b> 700 PPM	<b>DISP:</b> Terminal Sacrifice	<b>HISTO:</b> 19721

---

**ORGAN AND ACCOUNTABLE SITE STATUS**

---

**NORMAL**

* Islets, Pancreatic	* Nose	* Pancreas	* Peripheral Nerve
* Skeletal Muscle	* Stomach, Forestomach	* Stomach, Glandular	* Testes

---

**OBSERVATIONS**

* Harderian Gland	Adenoma	
* Liver	Vacuolization Cytoplasmic	Minimal
Note: Tgl 1 Not apparent at trimming.		
* Lung	Alveolar/Bronchiolar Adenoma	
[ Alveolar/Bronchiolar Adenoma TGLS = 2-3 ]		
* Perph Nerve		
Note: Sciatic nerve is normal.		
* Spinal Cord	Degeneration	Minimal

---

PRIMARY CAUSE OF DEATH -

---

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05135-06  
**Test Type:** SIX MONTH EXPOS.  
**Route:** RESPIRATORY EXPOSURE WHOLE BODY  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

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

**Date Report Requested:** 10/16/2014  
**Time Report Requested:** 02:43:52  
**First Dose M/F:** NA / NA  
**Lab:** BNW

---

<b>ANIMAL ID:</b> 612	<b>TRT#:</b> 4	<b>SEX:</b> Male	<b>DAY ON TEST:</b> 372
	<b>DOSE:</b> 700 PPM	<b>DISP:</b> Terminal Sacrifice	<b>HISTO:</b> 19722

---

**ORGAN AND ACCOUNTABLE SITE STATUS**

---

**NORMAL**

* Harderian Gland	* Islets, Pancreatic	* Nose	* Pancreas
* Peripheral Nerve	* Skeletal Muscle	* Spinal Cord	* Stomach, Forestomach
* Stomach, Glandular	* Testes		

---

**OBSERVATIONS**

* Liver		Hepatocellular Adenoma	
[ Hepatocellular Adenoma TGLS = 1-12 ]			
* Lung	Alveolar Epith	Hyperplasia	Mild
* Perph Nerve			
Note: Sciatic nerve is normal.			

---

PRIMARY CAUSE OF DEATH

-

---

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05135-06  
**Test Type:** SIX MONTH EXPOS.  
**Route:** RESPIRATORY EXPOSURE WHOLE BODY  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

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

**Date Report Requested:** 10/16/2014  
**Time Report Requested:** 02:43:52  
**First Dose M/F:** NA / NA  
**Lab:** BNW

---

<b>ANIMAL ID:</b> 613	<b>TRT#:</b> 4	<b>SEX:</b> Male	<b>DAY ON TEST:</b> 372
	<b>DOSE:</b> 700 PPM	<b>DISP:</b> Terminal Sacrifice	<b>HISTO:</b> 19723

---

**ORGAN AND ACCOUNTABLE SITE STATUS**

---

**NORMAL**

* Harderian Gland	* Islets, Pancreatic	* Lung	* Peripheral Nerve
* Skeletal Muscle	* Stomach, Forestomach	* Stomach, Glandular	* Testes

---

**OBSERVATIONS**

* Liver		Hepatocellular Adenoma	
		Hepatocellular Carcinoma	
[ Hepatocellular Adenoma TGLS = 2-4 ]			
[ Hepatocellular Carcinoma TGLS = 1-4+12 ]			
* Nose	Olfactory Epi, Turbinate	Degeneration	Minimal
* Pancreas		Focal Cellular Change	Minimal
* Perph Nerve			
Note: Sciatic nerve is normal.			
* Spinal Cord		Degeneration	Minimal

---

PRIMARY CAUSE OF DEATH -

---

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05135-06  
**Test Type:** SIX MONTH EXPOS.  
**Route:** RESPIRATORY EXPOSURE WHOLE BODY  
**Species/Strain:** Mouse/B6C3F1

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

**Date Report Requested:** 10/16/2014  
**Time Report Requested:** 02:43:52  
**First Dose M/F:** NA / NA  
**Lab:** BNW

---

<b>ANIMAL ID:</b> 614	<b>TRT#:</b> 4	<b>SEX:</b> Male	<b>DAY ON TEST:</b> 372
	<b>DOSE:</b> 700 PPM	<b>DISP:</b> Terminal Sacrifice	<b>HISTO:</b> 19724

---

**ORGAN AND ACCOUNTABLE SITE STATUS**

---

**NORMAL**

* Lung	* Pancreas	* Peripheral Nerve	* Skeletal Muscle
* Stomach, Forestomach	* Testes		

---

**OBSERVATIONS**

* Harderian Gland [ Adenoma TGLS = 1-12 ]		Adenoma	
* Islets, Pancreatic		Hyperplasia	Minimal
* Liver		Vacuolization Cytoplasmic	Minimal
* Nose	Olfactory Epi, Turbinate Turbinate	Degeneration Inflammation	Minimal Minimal
Note: Inflammation, nld			
* Perph Nerve Note: Sciatic nerve is normal.			
* Spinal Cord		Degeneration	Minimal
* Stomach, Glandular		Hyperplasia	Minimal

---

PRIMARY CAUSE OF DEATH -

---

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05135-06  
**Test Type:** SIX MONTH EXPOS.  
**Route:** RESPIRATORY EXPOSURE WHOLE BODY  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

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

**Date Report Requested:** 10/16/2014  
**Time Report Requested:** 02:43:52  
**First Dose M/F:** NA / NA  
**Lab:** BNW

---

<b>ANIMAL ID:</b> 615	<b>TRT#:</b> 4	<b>SEX:</b> Male	<b>DAY ON TEST:</b> 372
	<b>DOSE:</b> 700 PPM	<b>DISP:</b> Terminal Sacrifice	<b>HISTO:</b> 19725

---

**ORGAN AND ACCOUNTABLE SITE STATUS**

---

**NORMAL**

* Lung	* Nose	* Pancreas	* Peripheral Nerve
* Skeletal Muscle	* Stomach, Forestomach	* Stomach, Glandular	* Testes

---

**OBSERVATIONS**

* Harderian Gland	Adenoma	
* Islets, Pancreatic	Hyperplasia	Minimal
* Liver	Eosinophilic Focus	Moderate
	Vacuolization Cytoplasmic	Minimal
[ Eosinophilic Focus TGLS = 1-12, 2-4 ]		
* Perph Nerve		
Note: Sciatic nerve is normal.		
* Spinal Cord	Degeneration	Minimal

---

PRIMARY CAUSE OF DEATH -

---

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05135-06  
**Test Type:** SIX MONTH EXPOS.  
**Route:** RESPIRATORY EXPOSURE WHOLE BODY  
**Species/Strain:** Mouse/B6C3F1

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

**Date Report Requested:** 10/16/2014  
**Time Report Requested:** 02:43:52  
**First Dose M/F:** NA / NA  
**Lab:** BNW

---

<b>ANIMAL ID:</b> 616	<b>TRT#:</b> 4	<b>SEX:</b> Male	<b>DAY ON TEST:</b> 372
	<b>DOSE:</b> 700 PPM	<b>DISP:</b> Terminal Sacrifice	<b>HISTO:</b> 19726

---

**ORGAN AND ACCOUNTABLE SITE STATUS**

---

**NORMAL**

* Islets, Pancreatic	* Lung	* Peripheral Nerve	* Skeletal Muscle
* Stomach, Glandular	* Testes		

---

**OBSERVATIONS**

* Harderian Gland		Adenoma	
* Liver		Vacuolization Cytoplasmic	Minimal
* Nose	Olfactory Epi, Turbinate	Degeneration	Minimal
* Pancreas		Focal Cellular Change	Minimal
* Perph Nerve			
Note: Sciatic nerve is normal.			
* Spinal Cord		Degeneration	Minimal
* Stomach, Forestomach		Squamous Cell Papilloma	
[ Squamous Cell Papilloma TGLS = 1-8 ]			

---

PRIMARY CAUSE OF DEATH

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05135-06  
**Test Type:** SIX MONTH EXPOS.  
**Route:** RESPIRATORY EXPOSURE WHOLE BODY  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

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

**Date Report Requested:** 10/16/2014  
**Time Report Requested:** 02:43:52  
**First Dose M/F:** NA / NA  
**Lab:** BNW

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<b>ANIMAL ID:</b> 617	<b>TRT#:</b> 4 <b>DOSE:</b> 700 PPM	<b>SEX:</b> Male <b>DISP:</b> Terminal Sacrifice	<b>DAY ON TEST:</b> 372 <b>HISTO:</b> 19727
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**ORGAN AND ACCOUNTABLE SITE STATUS**

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**NORMAL**

* Harderian Gland	* Kidney	* Lung	* Pancreas
* Peripheral Nerve	* Skeletal Muscle	* Stomach, Forestomach	* Stomach, Glandular
* Testes			

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**OBSERVATIONS**

* Islets, Pancreatic		Hyperplasia	Minimal
* Kidney Note: Tgl 2 = NCL (even on recut)			
* Liver		Hepatocellular Adenoma Hepatocellular Carcinoma Vacuolization Cytoplasmic	Minimal
[ Hepatocellular Carcinoma TGLS = 1-4+12 ]			
* Nose	Olfactory Epi, Turbinate	Degeneration	Minimal
* Perph Nerve Note: Sciatic nerve is normal.			
* Spinal Cord		Degeneration	Minimal

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PRIMARY CAUSE OF DEATH

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\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05135-06

Test Type: SIX MONTH EXPOS.

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Isoprene

CAS Number: 78-79-5

Date Report Requested: 10/16/2014

Time Report Requested: 02:43:52

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 618

TRT#: 4

DOSE: 700 PPM

SEX: Male

DISP: Terminal Sacrifice

DAY ON TEST: 372

HISTO: 19728

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Pancreas	* Peripheral Nerve	* Skeletal Muscle	* Stomach, Forestomach
* Stomach, Glandular	* Testes		

OBSERVATIONS

* Harderian Gland	Adenoma	
* Islets, Pancreatic	Hyperplasia	Minimal
* Liver	Angiectasis	Minimal
	Hepatocellular Adenoma	Multiple
	Hepatocellular Carcinoma	Multiple

Note: Tgl 5 = NCL. Not found at trim.

[ Hepatocellular Adenoma TGLS = 2-4, 3-4 ]

[ Hepatocellular Carcinoma TGLS = 1-4+12+14, 4-13 ]

* Lung	Alveolar/Bronchiolar Adenoma	
	[ Alveolar/Bronchiolar Adenoma TGLS = 6-3 ]	

* Nose	Olfactory Epi, Turbinate	Degeneration	Minimal
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\* Perph Nerve

Note: Sciatic nerve is normal.

* Spinal Cord	Degeneration	Minimal
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PRIMARY CAUSE OF DEATH

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\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05135-06

Test Type: SIX MONTH EXPOS.

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Isoprene

CAS Number: 78-79-5

Date Report Requested: 10/16/2014

Time Report Requested: 02:43:52

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 619

TRT#: 4

SEX: Male

DAY ON TEST: 372

DOSE: 700 PPM

DISP: Terminal Sacrifice

HISTO: 19729

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

\* Islets, Pancreatic

\* Nose

\* Pancreas

\* Peripheral Nerve

\* Skeletal Muscle

\* Stomach, Glandular

\* Testes

OBSERVATIONS

\* Harderian Gland

Adenoma

Multiple

Note: Two neoplasia

\* Liver

Eosinophilic Focus

Mild

Hepatocellular Adenoma

Hepatocellular Carcinoma

Note: Tgl 2 = NCL. The tiny focus of hyperplasia does not account for the tgl.

[ Hepatocellular Adenoma TGLS = 3-13 ]

[ Hepatocellular Carcinoma TGLS = 1-12+14 ]

\* Lung

Alveolar/Bronchiolar Adenoma

[ Alveolar/Bronchiolar Adenoma TGLS = 4-3 ]

\* Perph Nerve

Note: Sciatic nerve is normal.

\* Spinal Cord

Degeneration

Minimal

\* Stomach, Forestomach

Epithelium

Hyperplasia

Minimal

PRIMARY CAUSE OF DEATH

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05135-06  
**Test Type:** SIX MONTH EXPOS.  
**Route:** RESPIRATORY EXPOSURE WHOLE BODY  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

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

**Date Report Requested:** 10/16/2014  
**Time Report Requested:** 02:43:52  
**First Dose M/F:** NA / NA  
**Lab:** BNW

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<b>ANIMAL ID:</b> 620	<b>TRT#:</b> 4	<b>SEX:</b> Male	<b>DAY ON TEST:</b> 372
	<b>DOSE:</b> 700 PPM	<b>DISP:</b> Terminal Sacrifice	<b>HISTO:</b> 19730

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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**NORMAL**

* Harderian Gland	* Lung	* Pancreas	* Skeletal Muscle
* Stomach, Forestomach	* Stomach, Glandular	* Testes	

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**MISSING**

\* Peripheral Nerve

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**OBSERVATIONS**

* Islets, Pancreatic		Hyperplasia	Mild
* Liver		Eosinophilic Focus	Mild
		Vacuolization Cytoplasmic	Mild
[ Eosinophilic Focus TGLS = 1-12 ]			
* Nose	Olfactory Epi, Turbinate	Degeneration	Minimal
* Perph Nerve			
Note: Sciatic nerve is missing.			
* Spinal Cord		Degeneration	Minimal

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PRIMARY CAUSE OF DEATH

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05135-06  
**Test Type:** SIX MONTH EXPOS.  
**Route:** RESPIRATORY EXPOSURE WHOLE BODY  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

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

**Date Report Requested:** 10/16/2014  
**Time Report Requested:** 02:43:52  
**First Dose M/F:** NA / NA  
**Lab:** BNW

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<b>ANIMAL ID:</b> 621	<b>TRT#:</b> 4	<b>SEX:</b> Male	<b>DAY ON TEST:</b> 372
	<b>DOSE:</b> 700 PPM	<b>DISP:</b> Terminal Sacrifice	<b>HISTO:</b> 19731

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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**NORMAL**

* Harderian Gland	* Islets, Pancreatic	* Pancreas	* Peripheral Nerve
* Skeletal Muscle	* Stomach, Forestomach	* Testes	

---

**OBSERVATIONS**

* Liver		Eosinophilic Focus	Mild
		Vacuolization Cytoplasmic	Minimal
* Lung		Alveolar/Bronchiolar Carcinoma	
[ Alveolar/Bronchiolar Carcinoma TGLS = 1-3 ]			
* Nose	Olfactory Epi, Turbinate	Degeneration	Minimal
* Perph Nerve			
Note: Sciatic nerve is normal.			
* Spinal Cord		Degeneration	Minimal
* Stomach, Glandular		Hyperplasia	Minimal

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PRIMARY CAUSE OF DEATH

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05135-06  
**Test Type:** SIX MONTH EXPOS.  
**Route:** RESPIRATORY EXPOSURE WHOLE BODY  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

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

**Date Report Requested:** 10/16/2014  
**Time Report Requested:** 02:43:52  
**First Dose M/F:** NA / NA  
**Lab:** BNW

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<b>ANIMAL ID:</b> 622	<b>TRT#:</b> 4	<b>SEX:</b> Male	<b>DAY ON TEST:</b> 372
	<b>DOSE:</b> 700 PPM	<b>DISP:</b> Terminal Sacrifice	<b>HISTO:</b> 19732

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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**NORMAL**

* Islets, Pancreatic	* Liver	* Lung	* Nose
* Pancreas	* Peripheral Nerve	* Skeletal Muscle	* Stomach, Glandular
* Testes			

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**OBSERVATIONS**

* Harderian Gland		Adenoma	
* Perph Nerve			
Note: Sciatic nerve is normal.			
* Spinal Cord		Degeneration	Minimal
* Stomach, Forestomach	Epithelium	Hyperplasia	Minimal

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PRIMARY CAUSE OF DEATH

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05135-06  
**Test Type:** SIX MONTH EXPOS.  
**Route:** RESPIRATORY EXPOSURE WHOLE BODY  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

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

**Date Report Requested:** 10/16/2014  
**Time Report Requested:** 02:43:52  
**First Dose M/F:** NA / NA  
**Lab:** BNW

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<b>ANIMAL ID:</b> 623	<b>TRT#:</b> 4	<b>SEX:</b> Male	<b>DAY ON TEST:</b> 372
	<b>DOSE:</b> 700 PPM	<b>DISP:</b> Terminal Sacrifice	<b>HISTO:</b> 19733

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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**NORMAL**

* Islets, Pancreatic	* Nose	* Peripheral Nerve	* Skeletal Muscle
* Stomach, Forestomach	* Stomach, Glandular	* Testes	

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**OBSERVATIONS**

* Harderian Gland		Adenoma	
* Liver		Hepatocellular Adenoma	Multiple
[ Hepatocellular Adenoma TGLS = 2-13 ]			
* Lung	Alveolar Epith	Alveolar/Bronchiolar Adenoma	
[ Alveolar/Bronchiolar Adenoma TGLS = 3-3 ]		Hyperplasia	Mild
* Lymph Node, Mesenteric		Hyperplasia	Moderate
[ Hyperplasia TGLS = 4-6 ]			
* Pancreas		Focal Cellular Change	Minimal
* Perph Nerve			
Note: Sciatic nerve is normal.			
* Spinal Cord		Degeneration	Minimal

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PRIMARY CAUSE OF DEATH

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\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05135-06

Test Type: SIX MONTH EXPOS.

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Isoprene

CAS Number: 78-79-5

Date Report Requested: 10/16/2014

Time Report Requested: 02:43:52

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 624

TRT#: 4

DOSE: 700 PPM

SEX: Male

DISP: Natural Death

DAY ON TEST: 367

HISTO: 19734

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Blood Vessel	* Bone
* Bone Marrow	* Epididymis	* Esophagus	* Eye
* Gallbladder	* Heart	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Larynx	* Lymph Node, Mandibular	* Nose	* Pancreas
* Parathyroid Gland	* Peripheral Nerve	* Pharynx	* Pituitary Gland
* Preputial Gland	* Salivary Glands	* Seminal Vesicle	* Skeletal Muscle
* Skin	* Stomach, Forestomach	* Testes	* Thyroid Gland
* Tongue	* Trachea	* Urinary Bladder	* Zymbal's Gland

MISSING

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

* Intestine Small, Duodenum
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OBSERVATIONS

* Blood Vessel			
Note: Aorta is normal.			
* Bone Marrow			
Note: Tiny focus of histiocytic cells present.			
* Brain		Hemorrhage	Mild
Note: Hemorrhage is related to the lymphoma.			
[ Hemorrhage TGLS = 2-1 ]			
* Harderian Gland		Adenoma	
		Hyperplasia	Mild
* Kidney	Bilateral	Hydronephrosis	Marked
	Bilateral, Pelvis	Inflammation	Suppurative, Mild
Note: Tgl 3 = NCL.			
[ Hydronephrosis TGLS = 4-5 ]			
* Liver		Lymphoma Malignant Histiocytic	
		Necrosis	Mild
Note: Necrosis, NOS.			

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05135-06  
**Test Type:** SIX MONTH EXPOS.  
**Route:** RESPIRATORY EXPOSURE WHOLE BODY  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

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

**Date Report Requested:** 10/16/2014  
**Time Report Requested:** 02:43:52  
**First Dose M/F:** NA / NA  
**Lab:** BNW

**ANIMAL ID:** 624

**TRT#:** 4

**SEX:** Male

**DAY ON TEST:** 367

**DOSE:** 700 PPM

**DISP:** Natural Death

**HISTO:** 19734

**ORGAN AND ACCOUNTABLE SITE STATUS**

<p>[ Lymphoma Malignant Histiocytic TGLS = 1-4 ]</p> <p>* Lung</p> <p>Note: Hemorrhage is related to the lymphoma.          [ Hemorrhage TGLS = 5-3 ]</p> <p>* Lymph Node, Bronchial</p> <p>Note: Tracheobronchial lymph node exhibits lymph mal hist.</p> <p>* Lymph Node, Mediastinal</p> <p>Mesentery</p> <p>Note: Necrosis is specified as fat necrosis.          [ Angiectasis TGLS = 7-12 ]</p> <p>* Perph Nerve</p> <p>Note: Sciatic nerve is normal.</p> <p>* Prostate</p> <p>* Sem Ves</p> <p>Note: Tgl 8 = NCL. The seminal vesicle dilatation is not considered significant.</p> <p>* Spinal Cord</p> <p>* Spleen</p> <p>[ Lymphoma Malignant Histiocytic TGLS = 6-4 ]</p> <p>* Stomach, Glandular</p> <p>[ Pigmentation TGLS = 9-8 ]</p> <p>* Thymus</p>	<p>Hemorrhage Lymphoma Malignant Histiocytic</p> <p>Lymphoma Malignant Histiocytic</p> <p>Lymphoma Malignant Histiocytic Angiectasis Necrosis</p> <p>Inflammation</p> <p>Degeneration Lymphoma Malignant Histiocytic</p> <p>Pigmentation Ulcer</p> <p>Lymphoma Malignant Histiocytic</p>	<p>Moderate</p> <p>Minimal Mild</p> <p>Suppurative, Mild</p> <p>Minimal</p> <p>Hemosiderin, Mild Mild</p>
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PRIMARY CAUSE OF DEATH

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05135-06  
**Test Type:** SIX MONTH EXPOS.  
**Route:** RESPIRATORY EXPOSURE WHOLE BODY  
**Species/Strain:** Mouse/B6C3F1

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

**Date Report Requested:** 10/16/2014  
**Time Report Requested:** 02:43:52  
**First Dose M/F:** NA / NA  
**Lab:** BNW

**ANIMAL ID:** 625

**TRT#:** 4

**SEX:** Male

**DAY ON TEST:** 372

**DOSE:** 700 PPM

**DISP:** Terminal Sacrifice

**HISTO:** 19735

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

\* Harderian Gland  
\* Peripheral Nerve  
\* Testes

\* Lung  
\* Skeletal Muscle

\* Nose  
\* Stomach, Forestomach

\* Pancreas  
\* Stomach, Glandular

**OBSERVATIONS**

\* Islets, Pancreatic  
\* Liver  
\* Perph Nerve

Hyperplasia  
Eosinophilic Focus

Minimal  
Minimal

Note: Sciatic nerve is normal.

\* Preputial Gland  
[ Inflammation TGLS = 1-7 ]

Inflammation

Chronic, Moderate

\* Spinal Cord

Degeneration

Minimal

PRIMARY CAUSE OF DEATH

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05135-06  
**Test Type:** SIX MONTH EXPOS.  
**Route:** RESPIRATORY EXPOSURE WHOLE BODY  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

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

**Date Report Requested:** 10/16/2014  
**Time Report Requested:** 02:43:52  
**First Dose M/F:** NA / NA  
**Lab:** BNW

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<b>ANIMAL ID:</b> 626	<b>TRT#:</b> 4 <b>DOSE:</b> 700 PPM	<b>SEX:</b> Male <b>DISP:</b> Terminal Sacrifice	<b>DAY ON TEST:</b> 372 <b>HISTO:</b> 19736
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**ORGAN AND ACCOUNTABLE SITE STATUS**

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**NORMAL**

* Harderian Gland	* Lung	* Pancreas	* Peripheral Nerve
* Skeletal Muscle	* Stomach, Forestomach	* Stomach, Glandular	* Testes

---

**OBSERVATIONS**

* Islets, Pancreatic		Hyperplasia	Moderate
* Liver		Clear Cell Focus	Minimal
		Hepatocellular Adenoma	
[ Hepatocellular Adenoma TGLS = 1-12+13 ]			
Mesentery		Necrosis	Moderate
Note: With fat necrosis and chronic inflammation, adhesions are to be expected.			
Note: Necrosis is specified as fat necrosis.			
[ Necrosis TGLS = 2-14 ]			
* Nose	Olfactory Epi, Turbinate	Degeneration	Minimal
* Perph Nerve			
Note: Sciatic nerve is normal.			
* Spinal Cord		Degeneration	Minimal

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PRIMARY CAUSE OF DEATH

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05135-06  
**Test Type:** SIX MONTH EXPOS.  
**Route:** RESPIRATORY EXPOSURE WHOLE BODY  
**Species/Strain:** Mouse/B6C3F1

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

**Date Report Requested:** 10/16/2014  
**Time Report Requested:** 02:43:52  
**First Dose M/F:** NA / NA  
**Lab:** BNW

**ANIMAL ID:** 627

**TRT#:** 4

**SEX:** Male

**DAY ON TEST:** 372

**DOSE:** 700 PPM

**DISP:** Terminal Sacrifice

**HISTO:** 19737

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

* Lung	* Pancreas	* Peripheral Nerve	* Skeletal Muscle
* Stomach, Forestomach	* Testes		

**OBSERVATIONS**

* Harderian Gland [ Adenoma TGLS = 1-12 ]		Adenoma	
* Intestine Large, Cecum Note: Parasite is cysticercus (degenerate) [ Parasite TGLS = 3-13 ]		Parasite	
* Islets, Pancreatic		Hyperplasia	Mild
* Liver Note: TGL 2 = NCL. Not seen at trim.		Vacuolization Cytoplasmic	Minimal
* Nose	Olfactory Epi, Turbinate	Degeneration	Minimal
* Perph Nerve Note: Sciatic nerve is normal.			
* Spinal Cord		Degeneration	Minimal
* Stomach, Glandular [ Hyperplasia TGLS = 4-8 ]		Hyperplasia	

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05135-06  
**Test Type:** SIX MONTH EXPOS.  
**Route:** RESPIRATORY EXPOSURE WHOLE BODY  
**Species/Strain:** Mouse/B6C3F1

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

**Date Report Requested:** 10/16/2014  
**Time Report Requested:** 02:43:52  
**First Dose M/F:** NA / NA  
**Lab:** BNW

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<b>ANIMAL ID:</b> 628	<b>TRT#:</b> 4	<b>SEX:</b> Male	<b>DAY ON TEST:</b> 372
	<b>DOSE:</b> 700 PPM	<b>DISP:</b> Terminal Sacrifice	<b>HISTO:</b> 19738

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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**NORMAL**

* Harderian Gland	* Lung	* Pancreas	* Peripheral Nerve
* Skeletal Muscle	* Stomach, Forestomach	* Stomach, Glandular	* Testes

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**OBSERVATIONS**

* Islets, Pancreatic		Hyperplasia	Minimal
* Liver		Basophilic Focus	
		Hepatocellular Adenoma	
		Vacuolization Cytoplasmic	Minimal
[ Hepatocellular Adenoma TGLS = 1-12 ]			
* Nose	Olfactory Epi, Turbinate	Degeneration	Minimal
* Perph Nerve			
Note: Sciatic nerve is normal.			
* Spinal Cord		Degeneration	Minimal

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PRIMARY CAUSE OF DEATH

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05135-06  
**Test Type:** SIX MONTH EXPOS.  
**Route:** RESPIRATORY EXPOSURE WHOLE BODY  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

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

**Date Report Requested:** 10/16/2014  
**Time Report Requested:** 02:43:52  
**First Dose M/F:** NA / NA  
**Lab:** BNW

**ANIMAL ID:** 629

**TRT#:** 4

**SEX:** Male

**DAY ON TEST:** 372

**DOSE:** 700 PPM

**DISP:** Terminal Sacrifice

**HISTO:** 19739

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

* Lung	* Nose	* Preputial Gland	* Skeletal Muscle
* Stomach, Glandular	* Testes		

**OBSERVATIONS**

* Harderian Gland [ Adenoma TGLS = 3-9 ]		Adenoma	
* Islets, Pancreatic		Hyperplasia	Minimal
* Liver  [ Hepatocellular Carcinoma TGLS = 1-12+13 ]		Hepatocellular Adenoma Hepatocellular Carcinoma Vacuolization Cytoplasmic	Minimal
* Pancreas		Focal Cellular Change	Minimal
* Peripheral Nerve	Sciatic	Degeneration	Minimal
* Preputial GI Note: Tgl 2 = NCL.			
* Spinal Cord		Degeneration	Minimal
* Stomach, Forestomach	Epithelium	Hyperplasia	Mild

PRIMARY CAUSE OF DEATH

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05135-06  
**Test Type:** SIX MONTH EXPOS.  
**Route:** RESPIRATORY EXPOSURE WHOLE BODY  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

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

**Date Report Requested:** 10/16/2014  
**Time Report Requested:** 02:43:52  
**First Dose M/F:** NA / NA  
**Lab:** BNW

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<b>ANIMAL ID:</b> 630	<b>TRT#:</b> 4	<b>SEX:</b> Male	<b>DAY ON TEST:</b> 372
	<b>DOSE:</b> 700 PPM	<b>DISP:</b> Terminal Sacrifice	<b>HISTO:</b> 19740

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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**NORMAL**

* Harderian Gland	* Lung	* Nose	* Pancreas
* Peripheral Nerve	* Skeletal Muscle	* Stomach, Glandular	* Testes

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**OBSERVATIONS**

* Islets, Pancreatic	Hyperplasia	Minimal
* Liver	Hepatocellular Adenoma	Multiple
	Mixed Cell Focus	Minimal
	Vacuolization Cytoplasmic	Minimal

Note: TGL 3 has NCL-Not seen at trim.

[ Hepatocellular Adenoma TGLS = 1-12+14,2-3 ]

\* Perph Nerve

Note: Sciatic nerve is normal.

* Spinal Cord	Degeneration	Minimal
* Stomach, Forestomach	Epithelium Hyperplasia	Mild

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PRIMARY CAUSE OF DEATH

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05135-06  
**Test Type:** SIX MONTH EXPOS.  
**Route:** RESPIRATORY EXPOSURE WHOLE BODY  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

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

**Date Report Requested:** 10/16/2014  
**Time Report Requested:** 02:43:52  
**First Dose M/F:** NA / NA  
**Lab:** BNW

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<b>ANIMAL ID:</b> 631	<b>TRT#:</b> 4	<b>SEX:</b> Male	<b>DAY ON TEST:</b> 372
	<b>DOSE:</b> 700 PPM	<b>DISP:</b> Terminal Sacrifice	<b>HISTO:</b> 19741

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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**NORMAL**

* Harderian Gland	* Islets, Pancreatic	* Nose	* Pancreas
* Peripheral Nerve	* Skeletal Muscle	* Stomach, Forestomach	* Stomach, Glandular
* Testes			

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**OBSERVATIONS**

* Liver		Clear Cell Focus	Mild
		Hepatocellular Adenoma	
		Vacuolization Cytoplasmic	Minimal
[ Hepatocellular Adenoma TGLS = 1-12 ]			
* Lung	Alveolar Epith	Hyperplasia	Marked
* Perph Nerve			
Note: Sciatic nerve is normal.			
* Spinal Cord		Degeneration	Minimal

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PRIMARY CAUSE OF DEATH

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05135-06  
**Test Type:** SIX MONTH EXPOS.  
**Route:** RESPIRATORY EXPOSURE WHOLE BODY  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

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

**Date Report Requested:** 10/16/2014  
**Time Report Requested:** 02:43:52  
**First Dose M/F:** NA / NA  
**Lab:** BNW

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<b>ANIMAL ID:</b> 632	<b>TRT#:</b> 4	<b>SEX:</b> Male	<b>DAY ON TEST:</b> 372
	<b>DOSE:</b> 700 PPM	<b>DISP:</b> Terminal Sacrifice	<b>HISTO:</b> 19742

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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**NORMAL**

* Harderian Gland	* Islets, Pancreatic	* Lung	* Nose
* Pancreas	* Peripheral Nerve	* Skeletal Muscle	* Stomach, Forestomach
* Stomach, Glandular	* Testes		

---

**OBSERVATIONS**

* Liver	Angiectasis	Moderate
[ Angiectasis TGLS = 1-12 ]	Vacuolization Cytoplasmic	Minimal
* Perph Nerve		
Note: Sciatic nerve is normal.		
* Spinal Cord	Degeneration	Minimal

---

PRIMARY CAUSE OF DEATH -

---

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05135-06

**Test Type:** SIX MONTH EXPOS.

**Route:** RESPIRATORY EXPOSURE WHOLE BODY

**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Isoprene

**CAS Number:** 78-79-5

**Date Report Requested:** 10/16/2014

**Time Report Requested:** 02:43:52

**First Dose M/F:** NA / NA

**Lab:** BNW

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**ANIMAL ID:** 633

**TRT#:** 4

**SEX:** Male

**DAY ON TEST:** 372

**DOSE:** 700 PPM

**DISP:** Terminal Sacrifice

**HISTO:** 19743

---

**ORGAN AND ACCOUNTABLE SITE STATUS**

---

**NORMAL**

\* Harderian Gland

\* Islets, Pancreatic

\* Liver

\* Lung

\* Nose

\* Pancreas

\* Peripheral Nerve

\* Skeletal Muscle

\* Stomach, Forestomach

\* Stomach, Glandular

\* Testes

---

**OBSERVATIONS**

\* Perph Nerve

Note: Sciatic nerve is normal.

\* Preputial Gland

Angiectasis

Moderate

[ Angiectasis TGLS = 1-7 ]

\* Spinal Cord

Degeneration

Minimal

---

PRIMARY CAUSE OF DEATH

-

---

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05135-06  
**Test Type:** SIX MONTH EXPOS.  
**Route:** RESPIRATORY EXPOSURE WHOLE BODY  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

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

**Date Report Requested:** 10/16/2014  
**Time Report Requested:** 02:43:52  
**First Dose M/F:** NA / NA  
**Lab:** BNW

**ANIMAL ID:** 634

**TRT#:** 4

**SEX:** Male

**DAY ON TEST:** 324

**DOSE:** 700 PPM

**DISP:** Natural Death

**HISTO:** 19744

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

* Adrenal Cortex	* Adrenal Medulla	* Blood Vessel	* Bone
* Brain	* Epididymis	* Esophagus	* Eye
* Heart	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Larynx	* Liver	* Lung	* Lymph Node, Mandibular
* Lymph Node, Mediastinal	* Lymph Node, Mesenteric	* Nose	* Pancreas
* Parathyroid Gland	* Peripheral Nerve	* Pharynx	* Pituitary Gland
* Preputial Gland	* Salivary Glands	* Skeletal Muscle	* Testes
* Thyroid Gland	* Tongue	* Trachea	* Zymbal's Gland

**MISSING**

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

\* Gallbladder

**OBSERVATIONS**

* Blood Vessel Note: Aorta is normal.			
* Bone Marrow Note: Hyperplasia is granulocytic.		Hyperplasia	Mild
* Harderian Gland		Hyperplasia	Minimal
* Kidney Note: Pyelonephritis is characterized by left kidney pelvic and cortical necrosis and suppurative inflammation. Bacterial colonies are also present. [ Inflammation TGLS = 3,4-5 ]	Bilateral, Cortex, Pelvis	Inflammation	Suppurative, Moderate
* Lym Node Bron Note: Tracheobronchial lymph node is missing.			
* Perph Nerve Note: Sciatic nerve is normal.			
* Prostate		Inflammation	Suppurative, Moderate
* Seminal Vesicle		Inflammation	Suppurative, Moderate
* Skin [ Inflammation TGLS = 1-7 ]	Prepuce	Inflammation	Chronic, Moderate

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05135-06  
**Test Type:** SIX MONTH EXPOS.  
**Route:** RESPIRATORY EXPOSURE WHOLE BODY  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

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

**Date Report Requested:** 10/16/2014  
**Time Report Requested:** 02:43:52  
**First Dose M/F:** NA / NA  
**Lab:** BNW

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<b>ANIMAL ID:</b> 634	<b>TRT#:</b> 4	<b>SEX:</b> Male	<b>DAY ON TEST:</b> 324
	<b>DOSE:</b> 700 PPM	<b>DISP:</b> Natural Death	<b>HISTO:</b> 19744

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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* Spinal Cord		Degeneration	Minimal
* Spleen		Infiltration Cellular	Histiocyte, Mild
Note: The macrophages in the spleen are full of red blood cells and some hemosiderin pigment.			
* Stomach, Forestomach	Epithelium	Hyperplasia	Minimal
* Stomach, Glandular		Inflammation	Suppurative, Minimal
* Thymus		Atrophy	Moderate
* Urinary Bladder		Dilatation	Mild
	Transit Epithe	Hyperplasia	Minimal
[ Dilatation TGLS = 2-8 ]			

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PRIMARY CAUSE OF DEATH

-

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05135-06

**Test Type:** SIX MONTH EXPOS.

**Route:** RESPIRATORY EXPOSURE WHOLE BODY

**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Isoprene

**CAS Number:** 78-79-5

**Date Report Requested:** 10/16/2014

**Time Report Requested:** 02:43:52

**First Dose M/F:** NA / NA

**Lab:** BNW

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**ANIMAL ID:** 635

**TRT#:** 4

**SEX:** Male

**DAY ON TEST:** 372

**DOSE:** 700 PPM

**DISP:** Terminal Sacrifice

**HISTO:** 19745

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**ORGAN AND ACCOUNTABLE SITE STATUS**

---

**NORMAL**

\* Harderian Gland

\* Islets, Pancreatic

\* Liver

\* Lung

\* Nose

\* Pancreas

\* Peripheral Nerve

\* Skeletal Muscle

\* Stomach, Forestomach

\* Stomach, Glandular

\* Testes

---

**OBSERVATIONS**

\* Perph Nerve

Note: Sciatic nerve is normal.

\* Spinal Cord

Degeneration

Minimal

---

PRIMARY CAUSE OF DEATH

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05135-06  
**Test Type:** SIX MONTH EXPOS.  
**Route:** RESPIRATORY EXPOSURE WHOLE BODY  
**Species/Strain:** Mouse/B6C3F1

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

**Date Report Requested:** 10/16/2014  
**Time Report Requested:** 02:43:52  
**First Dose M/F:** NA / NA  
**Lab:** BNW

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<b>ANIMAL ID:</b> 636	<b>TRT#:</b> 4	<b>SEX:</b> Male	<b>DAY ON TEST:</b> 372
	<b>DOSE:</b> 700 PPM	<b>DISP:</b> Terminal Sacrifice	<b>HISTO:</b> 19746

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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**NORMAL**

* Lung	* Nose	* Pancreas	* Peripheral Nerve
* Skeletal Muscle	* Stomach, Glandular	* Testes	

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**OBSERVATIONS**

* Harderian Gland	Adenoma	
* Islets, Pancreatic	Hyperplasia	Minimal
* Liver	Eosinophilic Focus	Moderate
	Hepatocellular Adenoma	

[ Eosinophilic Focus TGLS = 3-12 ]  
[ Hepatocellular Adenoma TGLS = 2-13 ]

\* Perph Nerve  
Note: Sciatic nerve is normal.

* Skin	Sebaceous GI	Adenoma	
		Squamous Cell Papilloma	

Note: The two adnexal tumors account for the TGL 1 and are considered to be from the skin and not the anus.

[ Adenoma TGLS = 1-14 ]  
[ Squamous Cell Papilloma TGLS = 1-14 ]

* Spinal Cord		Degeneration	Minimal
* Stomach, Forestomach	Epithelium	Hyperplasia	Mild

[ Hyperplasia TGLS = 4-8 ]

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PRIMARY CAUSE OF DEATH

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05135-06  
**Test Type:** SIX MONTH EXPOS.  
**Route:** RESPIRATORY EXPOSURE WHOLE BODY  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

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

**Date Report Requested:** 10/16/2014  
**Time Report Requested:** 02:43:52  
**First Dose M/F:** NA / NA  
**Lab:** BNW

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<b>ANIMAL ID:</b> 637	<b>TRT#:</b> 4	<b>SEX:</b> Male	<b>DAY ON TEST:</b> 372
	<b>DOSE:</b> 700 PPM	<b>DISP:</b> Terminal Sacrifice	<b>HISTO:</b> 19747

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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**NORMAL**

* Harderian Gland	* Islets, Pancreatic	* Lung	* Nose
* Pancreas	* Peripheral Nerve	* Skeletal Muscle	* Stomach, Forestomach
* Stomach, Glandular	* Testes		

---

**OBSERVATIONS**

* Liver	Basophilic Focus	Mild
	Hepatocellular Adenoma	
	Vacuolization Cytoplasmic	Minimal
[ Hepatocellular Adenoma TGLS = 1-12 ]		
* Perph Nerve		
Note: Sciatic nerve is normal.		
* Spinal Cord	Degeneration	Minimal

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PRIMARY CAUSE OF DEATH -

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05135-06  
**Test Type:** SIX MONTH EXPOS.  
**Route:** RESPIRATORY EXPOSURE WHOLE BODY  
**Species/Strain:** Mouse/B6C3F1

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

**Date Report Requested:** 10/16/2014  
**Time Report Requested:** 02:43:52  
**First Dose M/F:** NA / NA  
**Lab:** BNW

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<b>ANIMAL ID:</b> 638	<b>TRT#:</b> 4	<b>SEX:</b> Male	<b>DAY ON TEST:</b> 372
	<b>DOSE:</b> 700 PPM	<b>DISP:</b> Terminal Sacrifice	<b>HISTO:</b> 19748

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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**NORMAL**

* Islets, Pancreatic	* Lung	* Nose	* Peripheral Nerve
* Skeletal Muscle	* Stomach, Forestomach	* Stomach, Glandular	* Testes

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**OBSERVATIONS**

* Harderian Gland	Adenoma	
* Liver	Hepatocellular Adenoma	
	Vacuolization Cytoplasmic	Minimal
[ Hepatocellular Adenoma TGLS = 1-12 ]		
* Pancreas	Focal Cellular Change	Minimal
* Perph Nerve		
Note: Sciatic nerve is normal.		
* Spinal Cord	Degeneration	Minimal

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PRIMARY CAUSE OF DEATH -

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05135-06  
**Test Type:** SIX MONTH EXPOS.  
**Route:** RESPIRATORY EXPOSURE WHOLE BODY  
**Species/Strain:** Mouse/B6C3F1

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

**Date Report Requested:** 10/16/2014  
**Time Report Requested:** 02:43:52  
**First Dose M/F:** NA / NA  
**Lab:** BNW

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<b>ANIMAL ID:</b> 639	<b>TRT#:</b> 4 <b>DOSE:</b> 700 PPM	<b>SEX:</b> Male <b>DISP:</b> Terminal Sacrifice	<b>DAY ON TEST:</b> 372 <b>HISTO:</b> 19749
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**ORGAN AND ACCOUNTABLE SITE STATUS**

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**NORMAL**

* Islets, Pancreatic	* Lung	* Pancreas	* Peripheral Nerve
* Skeletal Muscle	* Stomach, Glandular	* Testes	

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**OBSERVATIONS**

* Harderian Gland [ Adenoma TGLS = 3-9 ]		Adenoma	
* Liver [ Hepatocellular Adenoma TGLS = 1-12 ]		Hepatocellular Adenoma Vacuolization Cytoplasmic	Minimal
* Nose * Perph Nerve Note: Sciatic nerve is normal.	Olfactory Epi, Turbinate	Degeneration	Minimal
* Spinal Cord		Degeneration	Minimal
* Stomach, Forestomach [ Hyperplasia TGLS = 2-8 ]	Epithelium	Hyperplasia	Minimal

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PRIMARY CAUSE OF DEATH

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\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05135-06

Test Type: SIX MONTH EXPOS.

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Isoprene

CAS Number: 78-79-5

Date Report Requested: 10/16/2014

Time Report Requested: 02:43:52

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 640

TRT#: 4

SEX: Male

DAY ON TEST: 185

DOSE: 700 PPM

DISP: Scheduled Sacrifice

HISTO: 19750

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Blood Vessel	* Bone
* Bone Marrow	* Brain	* Epididymis	* Esophagus
* Eye	* Gallbladder	* Harderian Gland	* Heart
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Kidney
* Larynx	* Liver	* Lung	* Lymph Node, Bronchial
* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Pancreas	* Peripheral Nerve
* Pharynx	* Pituitary Gland	* Preputial Gland	* Prostate
* Salivary Glands	* Seminal Vesicle	* Skeletal Muscle	* Skin
* Spinal Cord	* Spleen	* Stomach, Glandular	* Testes
* Thymus	* Thyroid Gland	* Tongue	* Trachea
* Urinary Bladder	* Zymbal's Gland		

MISSING

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

* Blood Vessel			
Note: Aorta is normal.			
* Lym Node Bron			
Note: Tracheobronchial lymph node is normal.			
* Nose	Olfactory Epi, Turbinate	Degeneration	Minimal
* Perph Nerve			
Note: Sciatic nerve is normal.			
* Stomach, Forestomach	Epithelium	Hyperplasia	Moderate

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05135-06

Test Type: SIX MONTH EXPOS.

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Isoprene

CAS Number: 78-79-5

Date Report Requested: 10/16/2014

Time Report Requested: 02:43:52

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 641

TRT#: 4

SEX: Male

DAY ON TEST: 185

DOSE: 700 PPM

DISP: Scheduled Sacrifice

HISTO: 19751

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- |                           |                            |                           |                             |
|---------------------------|----------------------------|---------------------------|-----------------------------|
| * Adrenal Cortex          | * Adrenal Medulla          | * Blood Vessel            | * Bone                      |
| * Bone Marrow             | * Brain                    | * Epididymis              | * Esophagus                 |
| * Eye                     | * Gallbladder              | * Harderian Gland         | * Heart                     |
| * Intestine Large, Cecum  | * Intestine Large, Colon   | * Intestine Large, Rectum | * Intestine Small, Duodenum |
| * Intestine Small, Ileum  | * Intestine Small, Jejunum | * Islets, Pancreatic      | * Kidney                    |
| * Larynx                  | * Lung                     | * Lymph Node, Bronchial   | * Lymph Node, Mandibular    |
| * Lymph Node, Mediastinal | * Lymph Node, Mesenteric   | * Nose                    | * Pancreas                  |
| * Peripheral Nerve        | * Pharynx                  | * Pituitary Gland         | * Preputial Gland           |
| * Prostate                | * Salivary Glands          | * Seminal Vesicle         | * Skeletal Muscle           |
| * Skin                    | * Spinal Cord              | * Spleen                  | * Stomach, Glandular        |
| * Testes                  | * Thymus                   | * Thyroid Gland           | * Tongue                    |
| * Trachea                 | * Urinary Bladder          | * Zymbal's Gland          |                             |

MISSING

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

OBSERVATIONS

- |   |            |                           |          |
|---|------------|---------------------------|----------|
| * Blood Vessel<br>Note: Aorta is normal.                        |            |                           |          |
| * Liver   |            | Vacuolization Cytoplasmic | Mild     |
| * Lym Node Bron<br>Note: Tracheobronchial lymph node is normal. |            |                           |          |
| * Perph Nerve<br>Note: Sciatic nerve is normal.                 |            |                           |          |
| * Stomach, Forestomach<br>[ Hyperplasia TGLS = 1-8 ]            | Epithelium | Hyperplasia               | Moderate |

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05135-06

Test Type: SIX MONTH EXPOS.

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Isoprene

CAS Number: 78-79-5

Date Report Requested: 10/16/2014

Time Report Requested: 02:43:52

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 642

TRT#: 4

SEX: Male

DAY ON TEST: 185

DOSE: 700 PPM

DISP: Scheduled Sacrifice

HISTO: 19752

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Blood Vessel	* Bone
* Bone Marrow	* Brain	* Epididymis	* Esophagus
* Eye	* Gallbladder	* Harderian Gland	* Heart
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Kidney
* Larynx	* Lung	* 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	* Skeletal Muscle
* Skin	* Spinal Cord	* Spleen	* Stomach, Glandular
* Testes	* Thymus	* Thyroid Gland	* Tongue
* Trachea	* Urinary Bladder	* Zymbal's Gland	

MISSING

* Lymph Node, Mediastinal	* Mammary Gland
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OBSERVATIONS

* Blood Vessel			
Note: Aorta is normal.			
* Liver		Basophilic Focus	Marked
[ Basophilic Focus TGLS = 1-4 ]			
* Lym Node Bron			
Note: Tracheobronchial lymph node is normal.			
* Perph Nerve			
Note: Sciatic nerve is normal.			
* Stomach, Forestomach	Epithelium	Hyperplasia	Mild
[ Hyperplasia TGLS = 2-8 ]			

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05135-06

Test Type: SIX MONTH EXPOS.

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Isoprene

CAS Number: 78-79-5

Date Report Requested: 10/16/2014

Time Report Requested: 02:43:52

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 643

TRT#: 4

SEX: Male

DAY ON TEST: 185

DOSE: 700 PPM

DISP: Scheduled Sacrifice

HISTO: 19753

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Blood Vessel	* Bone
* Bone Marrow	* Brain	* Epididymis	* Esophagus
* Eye	* Gallbladder	* Harderian Gland	* Heart
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Kidney
* Larynx	* Lung	* Lymph Node, Bronchial	* 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
* Skeletal Muscle	* Skin	* Spinal Cord	* Spleen
* Stomach, Glandular	* Testes	* Thymus	* Thyroid Gland
* Tongue	* Trachea	* Urinary Bladder	* Zymbal's Gland

MISSING

\* Mammary Gland

OBSERVATIONS

* Blood Vessel			
Note: Aorta is normal.			
* Liver		Vacuolization Cytoplasmic	Minimal
* Lym Node Bron			
Note: Tracheobronchial lymph node is normal.			
* Perph Nerve			
Note: Sciatic nerve is normal.			
* Stomach, Forestomach	Epithelium	Hyperplasia	Marked
[ Hyperplasia TGLS = 1-8 ]			

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05135-06

**Test Type:** SIX MONTH EXPOS.

**Route:** RESPIRATORY EXPOSURE WHOLE BODY

**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Isoprene

**CAS Number:** 78-79-5

**Date Report Requested:** 10/16/2014

**Time Report Requested:** 02:43:52

**First Dose M/F:** NA / NA

**Lab:** BNW

**ANIMAL ID:** 644

**TRT#:** 4

**SEX:** Male

**DAY ON TEST:** 185

**DOSE:** 700 PPM

**DISP:** Scheduled Sacrifice

**HISTO:** 19754

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

- |                          |                            |                           |                             |
|--------------------------|----------------------------|---------------------------|-----------------------------|
| * Adrenal Cortex         | * Adrenal Medulla          | * Blood Vessel            | * Bone                      |
| * Bone Marrow            | * Brain                    | * Epididymis              | * Esophagus                 |
| * Eye                    | * Gallbladder              | * Harderian Gland         | * Heart                     |
| * Intestine Large, Cecum | * Intestine Large, Colon   | * Intestine Large, Rectum | * Intestine Small, Duodenum |
| * Intestine Small, Ileum | * Intestine Small, Jejunum | * Islets, Pancreatic      | * Kidney                    |
| * Larynx                 | * Liver                    | * Lung                    | * Lymph Node, Bronchial     |
| * 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        | * Skeletal Muscle          | * Skin                    | * Spinal Cord               |
| * Spleen                 | * Stomach, Glandular       | * Testes                  | * Thymus                    |
| * Thyroid Gland          | * Tongue                   | * Trachea                 | * Urinary Bladder           |
| * Zymbal's Gland         |                            |                           |                             |

**MISSING**

- \* Mammary Gland

**OBSERVATIONS**

- \* Blood Vessel  
Note: Aorta is normal.
- \* Lym Node Bron  
Note: Tracheobronchial lymph node is normal.
- \* Perph Nerve  
Note: Sciatic nerve is normal.
- \* Stomach, Forestomach      Epithelium      Hyperplasia      Marked

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05135-06

Test Type: SIX MONTH EXPOS.

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Isoprene

CAS Number: 78-79-5

Date Report Requested: 10/16/2014

Time Report Requested: 02:43:52

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 645

TRT#: 4

SEX: Male

DAY ON TEST: 185

DOSE: 700 PPM

DISP: Scheduled Sacrifice

HISTO: 19755

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Blood Vessel	* Bone
* Bone Marrow	* Brain	* Epididymis	* Esophagus
* Eye	* Gallbladder	* Harderian Gland	* Heart
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Kidney
* Larynx	* Lung	* 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	* Skeletal Muscle
* Skin	* Spinal Cord	* Spleen	* Stomach, Glandular
* Testes	* Thymus	* Thyroid Gland	* Tongue
* Trachea	* Urinary Bladder	* Zymbal's Gland	

MISSING

* Lymph Node, Mediastinal	* Mammary Gland
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OBSERVATIONS

* Blood Vessel			
Note: Aorta is normal.			
* Liver		Vacuolization Cytoplasmic	Minimal
* Lym Node Bron			
Note: Tracheobronchial lymph node is normal.			
* Perph Nerve			
Note: Sciatic nerve is normal.			
* Stomach, Forestomach	Epithelium	Hyperplasia	Mild

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05135-06

Test Type: SIX MONTH EXPOS.

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Isoprene

CAS Number: 78-79-5

Date Report Requested: 10/16/2014

Time Report Requested: 02:43:52

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 646

TRT#: 4

SEX: Male

DAY ON TEST: 185

DOSE: 700 PPM

DISP: Scheduled Sacrifice

HISTO: 19756

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- |                            |                           |                             |                           |
|----------------------------|---------------------------|-----------------------------|---------------------------|
| * Adrenal Cortex           | * Adrenal Medulla         | * Blood Vessel              | * Bone                    |
| * Bone Marrow              | * Brain                   | * Epididymis                | * Esophagus               |
| * Eye                      | * Harderian Gland         | * Heart                     | * Intestine Large, Cecum  |
| * Intestine Large, Colon   | * Intestine Large, Rectum | * Intestine Small, Duodenum | * Intestine Small, Ileum  |
| * Intestine Small, Jejunum | * Islets, Pancreatic      | * Kidney                    | * Larynx                  |
| * Liver                    | * Lung                    | * 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           | * Skeletal Muscle         |
| * Skin                     | * Spinal Cord             | * Stomach, Forestomach      | * Stomach, Glandular      |
| * Testes                   | * Thymus                  | * Thyroid Gland             | * Tongue                  |
| * Trachea                  | * Urinary Bladder         | * Zymbal's Gland            |                           |

MISSING

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

OBSERVATIONS

- |   |              |                      |
|---|--------------|----------------------|
| * Blood Vessel<br>Note: Aorta is normal.                        |              |                      |
| * Gallbladder   | Inflammation | Suppurative, Minimal |
| * Lym Node Bron<br>Note: Tracheobronchial lymph node is normal. |              |                      |
| * Perph Nerve<br>Note: Sciatic nerve is normal.                 |              |                      |
| * Spleen<br>[ Pigmentation TGLS = 1-4 ]                         | Pigmentation | Melanin, Mild        |

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05135-06

Test Type: SIX MONTH EXPOS.

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Isoprene

CAS Number: 78-79-5

Date Report Requested: 10/16/2014

Time Report Requested: 02:43:52

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 647

TRT#: 4

SEX: Male

DAY ON TEST: 185

DOSE: 700 PPM

DISP: Scheduled Sacrifice

HISTO: 19757

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- |                           |                            |                           |                             |
|---------------------------|----------------------------|---------------------------|-----------------------------|
| * Adrenal Cortex          | * Adrenal Medulla          | * Blood Vessel            | * Bone                      |
| * Bone Marrow             | * Brain                    | * Epididymis              | * Esophagus                 |
| * Eye                     | * Gallbladder              | * Harderian Gland         | * Heart                     |
| * Intestine Large, Cecum  | * Intestine Large, Colon   | * Intestine Large, Rectum | * Intestine Small, Duodenum |
| * Intestine Small, Ileum  | * Intestine Small, Jejunum | * Islets, Pancreatic      | * Kidney                    |
| * Larynx                  | * Lung                     | * Lymph Node, Bronchial   | * 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           |
| * Skeletal Muscle         | * Skin                     | * Spinal Cord             | * Spleen                    |
| * Stomach, Glandular      | * Testes                   | * Thymus                  | * Thyroid Gland             |
| * Tongue                  | * Trachea                  | * Urinary Bladder         | * Zymbal's Gland            |

MISSING

- \* Mammary Gland

OBSERVATIONS

- \* Blood Vessel  
Note: Aorta is normal.
- \* Liver  
Vacuolization Cytoplasmic  
Mild
- \* Lym Node Bron  
Note: Tracheobronchial lymph node is normal.
- \* Perph Nerve  
Note: Sciatic nerve is normal.
- \* Stomach, Forestomach  
Epithelium  
Hyperplasia  
Mild  
[ Hyperplasia TGLS = 1-8 ]

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05135-06  
**Test Type:** SIX MONTH EXPOS.  
**Route:** RESPIRATORY EXPOSURE WHOLE BODY  
**Species/Strain:** Mouse/B6C3F1

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

**Date Report Requested:** 10/16/2014  
**Time Report Requested:** 02:43:52  
**First Dose M/F:** NA / NA  
**Lab:** BNW

**ANIMAL ID:** 648

**TRT#:** 4

**SEX:** Male

**DAY ON TEST:** 176

**DOSE:** 700 PPM

**DISP:** Moribund Sacrifice

**HISTO:** 19758

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

* Adrenal Cortex	* Adrenal Medulla	* Blood Vessel	* Bone
* Epididymis	* Esophagus	* Eye	* Gallbladder
* Harderian Gland	* Heart	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Larynx	* Nose	* Pancreas
* Parathyroid Gland	* Peripheral Nerve	* Pharynx	* Pituitary Gland
* Preputial Gland	* Prostate	* Salivary Glands	* Seminal Vesicle
* Skeletal Muscle	* Skin	* Spinal Cord	* Stomach, Glandular
* Testes	* Thyroid Gland	* Tongue	* Trachea
* Urinary Bladder	* Zymbal's Gland		

**MISSING**

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

* Blood Vessel Note: Aorta is normal.			
* Bone Marrow		Lymphoma Malignant Lymphocytic	
* Brain		Hemorrhage	Minimal
		Necrosis	Mild
* Kidney	Bilateral	Lymphoma Malignant Lymphocytic	
	[ Lymphoma Malignant Lymphocytic TGLS = 6-5 ]		
* Liver		Lymphoma Malignant Lymphocytic	
* Lung		Thrombosis	Mild
	Note: Thrombosis is secondary to the lymphoma.		
* Lymph Node, Bronchial		Lymphoma Malignant Lymphocytic	
	Note: Lymph node is Tracheobronchial lymph node.		
	[ Lymphoma Malignant Lymphocytic TGLS = 4-3 ]		
* Lymph Node, Mediastinal		Lymphoma Malignant Lymphocytic	
	[ Lymphoma Malignant Lymphocytic TGLS = 3-2,12 ]		
* Lymph Node, Mesenteric		Lymphoma Malignant Lymphocytic	
	[ Lymphoma Malignant Lymphocytic TGLS = 5-6 ]		

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05135-06  
**Test Type:** SIX MONTH EXPOS.  
**Route:** RESPIRATORY EXPOSURE WHOLE BODY  
**Species/Strain:** Mouse/B6C3F1

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

**Date Report Requested:** 10/16/2014  
**Time Report Requested:** 02:43:52  
**First Dose M/F:** NA / NA  
**Lab:** BNW

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<b>ANIMAL ID:</b> 648	<b>TRT#:</b> 4	<b>SEX:</b> Male	<b>DAY ON TEST:</b> 176
	<b>DOSE:</b> 700 PPM	<b>DISP:</b> Moribund Sacrifice	<b>HISTO:</b> 19758

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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* Perph Nerve Note: Sciatic nerve is normal.			
* Spleen [ Lymphoma Malignant Lymphocytic TGLS = 2-4,13 ]		Lymphoma Malignant Lymphocytic	
* Stomach, Forestomach [ Hyperplasia TGLS = 7-8 ]	Epithelium	Hyperplasia	Marked
* Thymus [ Lymphoma Malignant Lymphocytic TGLS = 1-2,12 ]		Lymphoma Malignant Lymphocytic	

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PRIMARY CAUSE OF DEATH -

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\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05135-06

Test Type: SIX MONTH EXPOS.

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Isoprene

CAS Number: 78-79-5

Date Report Requested: 10/16/2014

Time Report Requested: 02:43:52

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 649

TRT#: 4

SEX: Male

DAY ON TEST: 185

DOSE: 700 PPM

DISP: Scheduled Sacrifice

HISTO: 19759

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

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

OBSERVATIONS

- \* Blood Vessel  
Note: Aorta is normal.
- \* Lym Node Bron  
Note: Tracheobronchial lymph node is missing.
- \* Perph Nerve  
Note: Sciatic nerve is normal.
- \* Stomach, Forestomach      Epithelium      Hyperplasia      Minimal

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05135-06

Test Type: SIX MONTH EXPOS.

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Isoprene

CAS Number: 78-79-5

Date Report Requested: 10/16/2014

Time Report Requested: 02:43:52

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 650

TRT#: 4

SEX: Male

DAY ON TEST: 185

DOSE: 700 PPM

DISP: Scheduled Sacrifice

HISTO: 19760

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- |                           |                            |                           |                             |
|---------------------------|----------------------------|---------------------------|-----------------------------|
| * Adrenal Cortex          | * Adrenal Medulla          | * Blood Vessel            | * Bone                      |
| * Bone Marrow             | * Brain                    | * Epididymis              | * Esophagus                 |
| * Eye                     | * Gallbladder              | * Harderian Gland         | * Heart                     |
| * Intestine Large, Cecum  | * Intestine Large, Colon   | * Intestine Large, Rectum | * Intestine Small, Duodenum |
| * Intestine Small, Ileum  | * Intestine Small, Jejunum | * Islets, Pancreatic      | * Kidney                    |
| * Larynx                  | * Lung                     | * Lymph Node, Bronchial   | * 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           |
| * Skeletal Muscle         | * Skin                     | * Spinal Cord             | * Spleen                    |
| * Stomach, Glandular      | * Testes                   | * Thymus                  | * Thyroid Gland             |
| * Tongue                  | * Trachea                  | * Urinary Bladder         | * Zymbal's Gland            |

MISSING

- \* Mammary Gland

OBSERVATIONS

- \* Blood Vessel  
Note: Aorta is normal
- \* Liver  
Basophilic Focus
- \* Lym Node Bron  
Note: Tracheobronchial lymph node is normal.
- \* Perph Nerve  
Note: Sciatic nerve is normal.
- \* Stomach, Forestomach  
Squamous Cell Papilloma
- [ Squamous Cell Papilloma TGLS = 1-8 ]

PRIMARY CAUSE OF DEATH -

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05135-06  
**Test Type:** SIX MONTH EXPOS.  
**Route:** RESPIRATORY EXPOSURE WHOLE BODY  
**Species/Strain:** Mouse/B6C3F1

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

**Date Report Requested:** 10/16/2014  
**Time Report Requested:** 02:43:52  
**First Dose M/F:** NA / NA  
**Lab:** BNW

**ANIMAL ID:** 811

**TRT#:** 5

**SEX:** Male

**DAY ON TEST:** 371

**DOSE:** 2200 PPM

**DISP:** Terminal Sacrifice

**HISTO:** 19661

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

* Adrenal Medulla	* Blood Vessel	* Bone	* Bone Marrow
* Brain	* Epididymis	* Esophagus	* Eye
* Gallbladder	* Harderian Gland	* Heart	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Kidney	* Larynx	* Lung
* Lymph Node, Bronchial	* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Pancreas
* Parathyroid Gland	* Peripheral Nerve	* Pharynx	* Pituitary Gland
* Preputial Gland	* Prostate	* Salivary Glands	* Seminal Vesicle
* Skeletal Muscle	* Spinal Cord	* Spleen	* Stomach, Forestomach
* Stomach, Glandular	* Testes	* Thymus	* Thyroid Gland
* Tongue	* Trachea	* Urinary Bladder	* Zymbal's Gland

**MISSING**

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

* Adrenal Cortex		Hyperplasia	Minimal
* Blood Vessel			
Note: Aorta is normal.			
* Islets, Pancreatic		Hyperplasia	Minimal
* Liver		Hepatocellular Adenoma	
		Vacuolization Cytoplasmic	Minimal
[ Hepatocellular Adenoma TGLS = 1-13 ]			
* Lym Node Bron			
Note: Tracheobronchial lymph node is normal.			
* Nose	Olfactory Epi, Turbinate	Degeneration	Minimal
* Perph Nerve			
Note: Sciatic Nerve is normal.			
* Skin		Cyst Epithelial Inclusion	
Note: One area of the wall may be too proliferative to be called an inclusion cyst, but; over all it is representative of an inclusion cyst.			
[ Cyst Epithelial Inclusion TGLS = 2-12 ]			

PRIMARY CAUSE OF DEATH -

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05135-06  
**Test Type:** SIX MONTH EXPOS.  
**Route:** RESPIRATORY EXPOSURE WHOLE BODY  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

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

**Date Report Requested:** 10/16/2014  
**Time Report Requested:** 02:43:52  
**First Dose M/F:** NA / NA  
**Lab:** BNW

---

**ANIMAL ID:** 811

**TRT#:** 5

**SEX:** Male

**DAY ON TEST:** 371

**DOSE:** 2200 PPM

**DISP:** Terminal Sacrifice

**HISTO:** 19661

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05135-06  
**Test Type:** SIX MONTH EXPOS.  
**Route:** RESPIRATORY EXPOSURE WHOLE BODY  
**Species/Strain:** Mouse/B6C3F1

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

**Date Report Requested:** 10/16/2014  
**Time Report Requested:** 02:43:52  
**First Dose M/F:** NA / NA  
**Lab:** BNW

**ANIMAL ID:** 812

**TRT#:** 5

**SEX:** Male

**DAY ON TEST:** 371

**DOSE:** 2200 PPM

**DISP:** Terminal Sacrifice

**HISTO:** 19662

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

* Adrenal Medulla	* Blood Vessel	* Bone	* Bone Marrow
* Brain	* Epididymis	* Esophagus	* Eye
* Gallbladder	* Harderian Gland	* Heart	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Kidney	* Larynx
* Lung	* Lymph Node, Bronchial	* Lymph Node, Mandibular	* Lymph Node, Mesenteric
* Pancreas	* Parathyroid Gland	* Peripheral Nerve	* Pharynx
* Pituitary Gland	* Preputial Gland	* Salivary Glands	* Seminal Vesicle
* Skeletal Muscle	* Skin	* Spinal Cord	* Spleen
* Stomach, Glandular	* Testes	* Thymus	* Thyroid Gland
* Tongue	* Trachea	* Urinary Bladder	* Zymbal's Gland

**MISSING**

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

* Adrenal Cortex		Hyperplasia Hypertrophy	Minimal Focal, Minimal
* Blood Vessel Note: Aorta is normal.			
* Liver  [ Hepatocellular Adenoma TGLS = 1-4 ]		Hepatocellular Adenoma Vacuolization Cytoplasmic	Minimal
* Lym Node Bron Note: Tracheobronchial lymph node is normal.			
* Nose Olfactory Epi, Turbinate		Degeneration	Minimal
* Perph Nerve Note: Sciatic nerve is normal.			
* Prostate		Hyperplasia	Minimal
* Stomach, Forestomach [ Hyperplasia TGLS = 2-8 ]	Epithelium	Hyperplasia	Moderate

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05135-06  
**Test Type:** SIX MONTH EXPOS.  
**Route:** RESPIRATORY EXPOSURE WHOLE BODY  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

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

**Date Report Requested:** 10/16/2014  
**Time Report Requested:** 02:43:52  
**First Dose M/F:** NA / NA  
**Lab:** BNW

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**ANIMAL ID:** 812

**TRT#:** 5

**SEX:** Male

**DAY ON TEST:** 371

**DOSE:** 2200 PPM

**DISP:** Terminal Sacrifice

**HISTO:** 19662

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05135-06  
**Test Type:** SIX MONTH EXPOS.  
**Route:** RESPIRATORY EXPOSURE WHOLE BODY  
**Species/Strain:** Mouse/B6C3F1

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

**Date Report Requested:** 10/16/2014  
**Time Report Requested:** 02:43:52  
**First Dose M/F:** NA / NA  
**Lab:** BNW

**ANIMAL ID:** 813

**TRT#:** 5

**SEX:** Male

**DAY ON TEST:** 160

**DOSE:** 2200 PPM

**DISP:** Natural Death

**HISTO:** 19663

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Brain
* Epididymis	* Esophagus	* Eye	* Heart
* Intestine Large, Colon	* Intestine Small, Jejunum	* Islets, Pancreatic	* Pancreas
* Peripheral Nerve	* Pharynx	* Pituitary Gland	* Preputial Gland
* Prostate	* Salivary Glands	* Seminal Vesicle	* Skeletal Muscle
* Skin	* Spinal Cord	* Stomach, Glandular	* Testes
* Thyroid Gland	* Tongue	* Trachea	* Urinary Bladder
* Zymbal's Gland			

**MISSING**

* Blood Vessel	* Mammary Gland	* Parathyroid Gland
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**AUTO PRECLUDES DIAG.**

* Gallbladder	* Intestine Large, Cecum	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Larynx		

**OBSERVATIONS**

* Blood Vessel Note: Aorta is missing			
* Bone Marrow		Lymphoma Malignant Lymphocytic	
* Harderian Gland Note: Malignant Lymphoma is Lymphocytic.		Lymphoma Malignant	
* Kidney [ Lymphoma Malignant Lymphocytic TGLS = 11-5 ]	Bilateral	Lymphoma Malignant Lymphocytic	
* Liver		Lymphoma Malignant Lymphocytic	
* Lung Note: Hemorrhage related to lymphoma. [ Hemorrhage TGLS = 6-3 ]		Hemorrhage	Mild
* Lymph Node, Bronchial Note: Tracheobronchial lymph node - lymphoma present. [ Lymphoma Malignant Lymphocytic TGLS = 5-3+12 ]		Lymphoma Malignant Lymphocytic	
* Lymph Node, Mandibular [ Lymphoma Malignant Lymphocytic TGLS = 1-7 ]		Lymphoma Malignant Lymphocytic	

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05135-06  
**Test Type:** SIX MONTH EXPOS.  
**Route:** RESPIRATORY EXPOSURE WHOLE BODY  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

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

**Date Report Requested:** 10/16/2014  
**Time Report Requested:** 02:43:52  
**First Dose M/F:** NA / NA  
**Lab:** BNW

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<b>ANIMAL ID:</b> 813	<b>TRT#:</b> 5 <b>DOSE:</b> 2200 PPM	<b>SEX:</b> Male <b>DISP:</b> Natural Death	<b>DAY ON TEST:</b> 160 <b>HISTO:</b> 19663
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**ORGAN AND ACCOUNTABLE SITE STATUS**

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* Lymph Node, Mediastinal [ Lymphoma Malignant Lymphocytic TGLS = 4-12 ]		Lymphoma Malignant Lymphocytic	
* Lymph Node, Mesenteric [ Lymphoma Malignant Lymphocytic TGLS = 8-6 ]		Lymphoma Malignant Lymphocytic	
* Nose Olfactory Epi, Turbinate Olfactory Epi, Turbinate		Degeneration Lymphoma Malignant	Minimal
Note: Malignant Lymphoma is lymphocytic.			
* Perph Nerve Note: Sciatic nerve is normal.			
* Spleen [ Lymphoma Malignant Lymphocytic TGLS = 7-4 ]		Lymphoma Malignant Lymphocytic	
* Stomach, Forestomach [ Hyperplasia TGLS = 9-8+13 ]	Epithelium	Hyperplasia	Marked
* Thymus [ Lymphoma Malignant Lymphocytic TGLS = 2+3-12 ]		Lymphoma Malignant Lymphocytic	

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PRIMARY CAUSE OF DEATH -

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05135-06  
**Test Type:** SIX MONTH EXPOS.  
**Route:** RESPIRATORY EXPOSURE WHOLE BODY  
**Species/Strain:** Mouse/B6C3F1

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

**Date Report Requested:** 10/16/2014  
**Time Report Requested:** 02:43:52  
**First Dose M/F:** NA / NA  
**Lab:** BNW

**ANIMAL ID:** 814

**TRT#:** 5

**SEX:** Male

**DAY ON TEST:** 185

**DOSE:** 2200 PPM

**DISP:** Scheduled Sacrifice

**HISTO:** 19664

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

* Blood Vessel	* Bone	* Bone Marrow	* Brain
* Epididymis	* Esophagus	* Eye	* Gallbladder
* Harderian Gland	* Heart	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Kidney	* Larynx	* Liver
* Lung	* Lymph Node, Bronchial	* Lymph Node, Mandibular	* Lymph Node, Mesenteric
* Nose	* Pancreas	* Peripheral Nerve	* Pharynx
* Pituitary Gland	* Preputial Gland	* Prostate	* Salivary Glands
* Seminal Vesicle	* Skeletal Muscle	* Skin	* Spinal Cord
* Spleen	* Stomach, Glandular	* Testes	* Thyroid Gland
* Tongue	* Trachea	* Urinary Bladder	* Zymbal's Gland

**MISSING**

* Adrenal Cortex	* Adrenal Medulla	* Lymph Node, Mediastinal	* Mammary Gland
* Parathyroid Gland	* Thymus		

**OBSERVATIONS**

\* Blood Vessel  
Note: Aorta is normal.

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

\* Perph Nerve  
Note: Sciatic nerve is normal.

\* Stomach, Forestomach  
[ Hyperplasia TGLS = 1-8 ]

Epithelium

Hyperplasia

Marked

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05135-06

Test Type: SIX MONTH EXPOS.

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

Test Compound: Isoprene

CAS Number: 78-79-5

Date Report Requested: 10/16/2014

Time Report Requested: 02:43:52

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 815

TRT#: 5

SEX: Male

DAY ON TEST: 136

DOSE: 2200 PPM

DISP: Moribund Sacrifice

HISTO: 19665

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

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

**MISSING**

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

\* Blood Vessel  
Note: Aorta is normal.

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

\* Perph Nerve  
Note: Sciatic nerve is normal.

\* Urin Bladder  
Note: Urinary bladder dilated but NCL present.

PRIMARY CAUSE OF DEATH -

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05135-06

Test Type: SIX MONTH EXPOS.

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Isoprene

CAS Number: 78-79-5

Date Report Requested: 10/16/2014

Time Report Requested: 02:43:52

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 816

TRT#: 5

SEX: Male

DAY ON TEST: 185

DOSE: 2200 PPM

DISP: Scheduled Sacrifice

HISTO: 19666

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Blood Vessel	* Bone
* Bone Marrow	* Brain	* Epididymis	* Esophagus
* Eye	* Gallbladder	* Harderian Gland	* Heart
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Kidney
* Larynx	* Liver	* Lung	* Lymph Node, Bronchial
* 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	* Skeletal Muscle	* Skin	* Spinal Cord
* Spleen	* Stomach, Glandular	* Testes	* Thymus
* Thyroid Gland	* Tongue	* Trachea	* Urinary Bladder
* Zymbal's Gland			

MISSING

\* Mammary Gland

OBSERVATIONS

\* Blood Vessel

Note: Aorta is normal.

\* Lym Node Bron

Note: Tracheobronchial lymph node is normal.

\* Perph Nerve

Note: Sciatic nerve is normal.

\* Stomach, Forestomach

Epithelium

Hyperplasia

Marked

[ Hyperplasia TGLS = 1-8 ]

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05135-06  
**Test Type:** SIX MONTH EXPOS.  
**Route:** RESPIRATORY EXPOSURE WHOLE BODY  
**Species/Strain:** Mouse/B6C3F1

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

**Date Report Requested:** 10/16/2014  
**Time Report Requested:** 02:43:52  
**First Dose M/F:** NA / NA  
**Lab:** BNW

**ANIMAL ID:** 817

**TRT#:** 5

**SEX:** Male

**DAY ON TEST:** 371

**DOSE:** 2200 PPM

**DISP:** Terminal Sacrifice

**HISTO:** 19667

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

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

**MISSING**

\* Mammary Gland

**OBSERVATIONS**

* Blood Vessel			
Note: Aorta is normal.			
* Islets, Pancreatic		Hyperplasia	Mild
* Liver		Vacuolization Cytoplasmic	Minimal
* Lung		Alveolar/Bronchiolar Adenoma	
[ Alveolar/Bronchiolar Adenoma TGLS = 1-3 ]			
* Lym Node Bron			
Note: Tracheobronchial lymph node is normal.			
* Nose	Olfactory Epi, Turbinate	Degeneration	Mild
	Olfactory Epi, Turbinate	Inflammation	Chronic, Minimal
* Perph Nerve			
Note: Sciatic nerve is normal.			
* Spinal Cord		Degeneration	Minimal
* Stomach, Forestomach		Angiectasis	Mild

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05135-06

Test Type: SIX MONTH EXPOS.

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Isoprene

CAS Number: 78-79-5

Date Report Requested: 10/16/2014

Time Report Requested: 02:43:52

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 818

TRT#: 5

DOSE: 2200 PPM

SEX: Male

DISP: Terminal Sacrifice

DAY ON TEST: 371

HISTO: 19668

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Blood Vessel	* Bone
* Bone Marrow	* Brain	* Epididymis	* Esophagus
* Eye	* Gallbladder	* Heart	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Kidney	* Larynx	* Lymph Node, Bronchial
* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Parathyroid Gland	* Peripheral Nerve
* Pharynx	* Pituitary Gland	* Preputial Gland	* Prostate
* Salivary Glands	* Seminal Vesicle	* Skeletal Muscle	* Skin
* Spinal Cord	* Spleen	* Stomach, Forestomach	* Stomach, Glandular
* Testes	* Thymus	* Thyroid Gland	* Tongue
* Trachea	* Urinary Bladder	* Zymbal's Gland	

MISSING

* Lymph Node, Mediastinal	* Mammary Gland
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OBSERVATIONS

* Blood Vessel			
Note: Aorta is normal.			
* Harderian Gland		Adenoma	
* Islets, Pancreatic		Hyperplasia	Minimal
* Liver		Hepatocellular Adenoma	
		Vacuolization Cytoplasmic	Minimal
[ Hepatocellular Adenoma TGLS = 1-4 ]			
* Lung	Alveolar Epith	Hyperplasia	Mild
[ Hyperplasia TGLS = 3-3 ]			
* Lym Node Bron			
Note: Tracheobronchial lymph node is normal.			
Mesentery		Necrosis	Mild
Note: Necrosis is specified as fat necrosis.			
[ Necrosis TGLS = 2-12 ]			
* Nose	Olfactory Epi, Turbinate	Degeneration	Minimal
* Pancreas		Inflammation	Chronic, Minimal

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05135-06  
**Test Type:** SIX MONTH EXPOS.  
**Route:** RESPIRATORY EXPOSURE WHOLE BODY  
**Species/Strain:** Mouse/B6C3F1

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

**Date Report Requested:** 10/16/2014  
**Time Report Requested:** 02:43:52  
**First Dose M/F:** NA / NA  
**Lab:** BNW

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**ANIMAL ID:** 818

**TRT#:** 5

**SEX:** Male

**DAY ON TEST:** 371

**DOSE:** 2200 PPM

**DISP:** Terminal Sacrifice

**HISTO:** 19668

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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\* Perph Nerve

Note: Sciatic nerve is normal.

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PRIMARY CAUSE OF DEATH

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\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05135-06

Test Type: SIX MONTH EXPOS.

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Isoprene

CAS Number: 78-79-5

Date Report Requested: 10/16/2014

Time Report Requested: 02:43:52

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 819

TRT#: 5

DOSE: 2200 PPM

SEX: Male

DISP: Terminal Sacrifice

DAY ON TEST: 371

HISTO: 19669

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Blood Vessel	* Bone	* Bone Marrow
* Epididymis	* Esophagus	* Eye	* Gallbladder
* Heart	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Kidney
* Larynx	* Lymph Node, Bronchial	* Lymph Node, Mandibular	* Lymph Node, Mesenteric
* Pancreas	* Parathyroid Gland	* Peripheral Nerve	* Pharynx
* Pituitary Gland	* Prostate	* Salivary Glands	* Seminal Vesicle
* Skeletal Muscle	* Skin	* Spinal Cord	* Spleen
* Stomach, Forestomach	* Stomach, Glandular	* Testes	* Thymus
* Thyroid Gland	* Tongue	* Trachea	* Urinary Bladder
* Zymbal's Gland			

MISSING

* Lymph Node, Mediastinal	* Mammary Gland
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OBSERVATIONS

* Adrenal Cortex	Hyperplasia	Minimal
* Blood Vessel		
Note: Aorta is normal.		
* Brain	Mineralization	Minimal
* Harderian Gland	Adenoma	
* Islets, Pancreatic	Hyperplasia	Minimal
* Liver	Basophilic Focus	Mild
	Hepatocellular Adenoma	Multiple
	Vacuolization Cytoplasmic	Minimal
[ Hepatocellular Adenoma TGLS = 1-12, 3-4 ]		
* Lung	Alveolar/Bronchiolar Adenoma	
[ Alveolar/Bronchiolar Adenoma TGLS = 2-3 ]		
* Lym Node Bron		
Note: Tracheobronchial lymph node is normal.		
* Nose	Olfactory Epi, Turbinate	Degeneration
* Perph Nerve		Minimal

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05135-06  
**Test Type:** SIX MONTH EXPOS.  
**Route:** RESPIRATORY EXPOSURE WHOLE BODY  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

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

**Date Report Requested:** 10/16/2014  
**Time Report Requested:** 02:43:52  
**First Dose M/F:** NA / NA  
**Lab:** BNW

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**ANIMAL ID:** 819

**TRT#:** 5

**SEX:** Male

**DAY ON TEST:** 371

**DOSE:** 2200 PPM

**DISP:** Terminal Sacrifice

**HISTO:** 19669

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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Note: Sciatic nerve is normal.

\* Preputial Gland

Inflammation

Suppurative, Minimal

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PRIMARY CAUSE OF DEATH

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\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05135-06

Test Type: SIX MONTH EXPOS.

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Isoprene

CAS Number: 78-79-5

Date Report Requested: 10/16/2014

Time Report Requested: 02:43:52

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 820

TRT#: 5

SEX: Male

DAY ON TEST: 371

DOSE: 2200 PPM

DISP: Terminal Sacrifice

HISTO: 19670

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Blood Vessel	* Bone
* Bone Marrow	* Brain	* Epididymis	* Esophagus
* Eye	* Gallbladder	* Harderian Gland	* Heart
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Kidney	* Larynx
* Lung	* Lymph Node, Bronchial	* Lymph Node, Mandibular	* Lymph Node, Mesenteric
* Parathyroid Gland	* Peripheral Nerve	* Pharynx	* Preputial Gland
* Prostate	* Salivary Glands	* Seminal Vesicle	* Skeletal Muscle
* Skin	* Spinal Cord	* Spleen	* Stomach, Forestomach
* Stomach, Glandular	* Testes	* Thymus	* Thyroid Gland
* Tongue	* Trachea	* Urinary Bladder	* Zymbal's Gland

MISSING

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

* Blood Vessel			
Note: Aorta is normal.			
* Islets, Pancreatic		Hyperplasia	Minimal
* Liver		Mixed Cell Focus	Mild
		Vacuolization Cytoplasmic	Mild
[ Mixed Cell Focus TGLS = 1-12 ]			
* Lym Node Bron			
Note: Tracheobronchial lymph node is normal.			
* Nose	Olfactory Epi, Turbinate	Degeneration	Mild
* Pancreas		Focal Cellular Change	Minimal
* Perph Nerve			
Note: Sciatic nerve is normal.			

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05135-06

Test Type: SIX MONTH EXPOS.

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Isoprene

CAS Number: 78-79-5

Date Report Requested: 10/16/2014

Time Report Requested: 02:43:52

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 821

TRT#: 5

SEX: Male

DAY ON TEST: 185

DOSE: 2200 PPM

DISP: Scheduled Sacrifice

HISTO: 19671

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Blood Vessel	* Bone
* Bone Marrow	* Brain	* Epididymis	* Esophagus
* Eye	* Gallbladder	* Heart	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Kidney	* Larynx
* Liver	* Lung	* Lymph Node, Mediastinal	* Lymph Node, Mesenteric
* Pancreas	* Parathyroid Gland	* Peripheral Nerve	* Pharynx
* Preputial Gland	* Prostate	* Salivary Glands	* Seminal Vesicle
* Skeletal Muscle	* Skin	* Spinal Cord	* Spleen
* Testes	* Thymus	* Thyroid Gland	* Tongue
* Trachea	* Urinary Bladder	* Zymbal's Gland	

MISSING

* Lymph Node, Bronchial	* Lymph Node, Mandibular	* Mammary Gland	* Pituitary Gland
* Stomach, Glandular			

OBSERVATIONS

* Blood Vessel			
Note: Aorta is normal.			
* Harderian Gland		Hyperplasia	Minimal
* Lym Node Bron			
Note: Tracheobronchial lymph node is missing.			
* Nose	Olfactory Epi, Turbinate	Degeneration	Minimal
* Perph Nerve			
Note: Sciatic nerve is normal.			
* Stomach, Forestomach	Epithelium	Hyperplasia	Moderate
[ Hyperplasia TGLS = 1-8 ]			

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05135-06

Test Type: SIX MONTH EXPOS.

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Isoprene

CAS Number: 78-79-5

Date Report Requested: 10/16/2014

Time Report Requested: 02:43:52

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 822

TRT#: 5

SEX: Male

DAY ON TEST: 371

DOSE: 2200 PPM

DISP: Terminal Sacrifice

HISTO: 19672

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Lymph Node, Mediastinal	* Mammary Gland
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OBSERVATIONS

* Blood Vessel			
Note: Aorta is normal.			
* Liver		Basophilic Focus	Mild
		Eosinophilic Focus	Moderate
		Hepatocellular Adenoma	Multiple
		Hepatocellular Carcinoma	Multiple
		Vacuolization Cytoplasmic	Minimal
Note: Tgl 3 = NCL (even on recut)			
[ Hepatocellular Carcinoma TGLS = 1-4+12+13, 2-13 ]			
* Lung		Alveolar/Bronchiolar Adenoma	
* Lym Node Bron			
Note: Tracheobronchial lymph node is normal.			
* Nose	Olfactory Epi, Turbinate	Degeneration	Minimal
* Perph Nerve			
Note: Sciatic nerve is normal.			

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05135-06  
**Test Type:** SIX MONTH EXPOS.  
**Route:** RESPIRATORY EXPOSURE WHOLE BODY  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

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

**Date Report Requested:** 10/16/2014  
**Time Report Requested:** 02:43:52  
**First Dose M/F:** NA / NA  
**Lab:** BNW

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**ANIMAL ID:** 822

**TRT#:** 5  
**DOSE:** 2200 PPM

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

**DAY ON TEST:** 371  
**HISTO:** 19672

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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\* Stomach, Forestomach

Epithelium

Hyperplasia

Minimal

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PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05135-06

Test Type: SIX MONTH EXPOS.

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Isoprene

CAS Number: 78-79-5

Date Report Requested: 10/16/2014

Time Report Requested: 02:43:52

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 823

TRT#: 5

SEX: Male

DAY ON TEST: 371

DOSE: 2200 PPM

DISP: Terminal Sacrifice

HISTO: 19673

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

\* Mammary Gland

OBSERVATIONS

* Blood Vessel			
Note: Aorta is normal.			
* Liver		Hepatocellular Adenoma	
		Hepatocellular Carcinoma	Multiple
[ Hepatocellular Adenoma TGLS = 3-4 ]			
[ Hepatocellular Carcinoma TGLS = 1-12+13, 2-14 ]			
* Lung	Alveolar Epith	Hyperplasia	Minimal
* Lym Node Bron			
Note: Tracheobronchial lymph node is normal.			
* Nose	Olfactory Epi, Turbinate	Degeneration	Minimal
* Peripheral Nerve	Sciatic	Degeneration	Mild
* Spinal Cord		Degeneration	Minimal
* Stomach, Forestomach	Epithelium	Hyperplasia	Mild

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05135-06

Test Type: SIX MONTH EXPOS.

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Isoprene

CAS Number: 78-79-5

Date Report Requested: 10/16/2014

Time Report Requested: 02:43:52

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 824

TRT#: 5

SEX: Male

DAY ON TEST: 371

DOSE: 2200 PPM

DISP: Terminal Sacrifice

HISTO: 19674

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Blood Vessel	* Bone
* Bone Marrow	* Brain	* Epididymis	* Esophagus
* Eye	* Gallbladder	* Harderian Gland	* Heart
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Larynx	* Lung
* Lymph Node, Bronchial	* Lymph Node, Mandibular	* Lymph Node, Mediastinal	* Pancreas
* Parathyroid Gland	* Peripheral Nerve	* Pharynx	* Pituitary Gland
* Preputial Gland	* Prostate	* Salivary Glands	* Seminal Vesicle
* Skeletal Muscle	* Skin	* Spleen	* Stomach, Glandular
* Testes	* Thymus	* Thyroid Gland	* Tongue
* Trachea	* Urinary Bladder	* Zymbal's Gland	

MISSING

* Lymph Node, Mesenteric	* Mammary Gland
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OBSERVATIONS

* Blood Vessel			
Note: Aorta is normal			
* Islets, Pancreatic		Hyperplasia	Minimal
* Kidney	Bilateral, Renal Tubule	Hyperplasia	Minimal
* Liver		Hepatocellular Adenoma	
		Inflammation	Chronic, Mild
		Vacuolization Cytoplasmic	Minimal
[ Hepatocellular Adenoma TGLS = 2-14 ]			
[ Inflammation TGLS = 1-12+13 ]			
* Lym Node Bron			
Note: Tracheobronchial lymph node is normal.			
* Nose	Olfactory Epi, Turbinate	Degeneration	Minimal
* Perph Nerve			
Note: Sciatic nerve is normal.			
* Spinal Cord		Degeneration	Minimal
* Stomach, Forestomach	Epithelium	Hyperplasia	Mild

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05135-06  
**Test Type:** SIX MONTH EXPOS.  
**Route:** RESPIRATORY EXPOSURE WHOLE BODY  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

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

**Date Report Requested:** 10/16/2014  
**Time Report Requested:** 02:43:52  
**First Dose M/F:** NA / NA  
**Lab:** BNW

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**ANIMAL ID:** 824

**TRT#:** 5

**SEX:** Male

**DAY ON TEST:** 371

**DOSE:** 2200 PPM

**DISP:** Terminal Sacrifice

**HISTO:** 19674

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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[ Hyperplasia TGLS = 3-8 ]

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PRIMARY CAUSE OF DEATH

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\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05135-06

Test Type: SIX MONTH EXPOS.

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Isoprene

CAS Number: 78-79-5

Date Report Requested: 10/16/2014

Time Report Requested: 02:43:52

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 825

TRT#: 5

SEX: Male

DAY ON TEST: 371

DOSE: 2200 PPM

DISP: Terminal Sacrifice

HISTO: 19675

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Blood Vessel	* Bone	* Bone Marrow
* Brain	* Epididymis	* Esophagus	* Eye
* Gallbladder	* Heart	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Larynx	* Lung	* 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
* Skeletal Muscle	* Skin	* Spinal Cord	* Spleen
* Stomach, Forestomach	* Stomach, Glandular	* Testes	* Thymus
* Thyroid Gland	* Tongue	* Trachea	* Urinary Bladder
* Zymbal's Gland			

MISSING

* Lymph Node, Mandibular	* Mammary Gland
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OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Minimal
* Blood Vessel			
Note: Aorta is normal.			
* Harderian Gland		Adenoma	Multiple
Note: Two neoplasia present			
* Kidney	Bilateral, Renal Tubule	Hyperplasia	Minimal
* Liver		Hemangioma	
		Hepatocellular Adenoma	
		Vacuolization Cytoplasmic	Minimal
[ Hemangioma TGLS = 2-14 ]			
[ Hepatocellular Adenoma TGLS = 1-12+13 ]			
* Lym Node Bron			
Note: Tracheobronchial lymph node is normal.			
* Perph Nerve			
Note: Sciatic nerve is normal.			

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05135-06  
**Test Type:** SIX MONTH EXPOS.  
**Route:** RESPIRATORY EXPOSURE WHOLE BODY  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

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

**Date Report Requested:** 10/16/2014  
**Time Report Requested:** 02:43:52  
**First Dose M/F:** NA / NA  
**Lab:** BNW

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**ANIMAL ID:** 825

**TRT#:** 5

**SEX:** Male

**DAY ON TEST:** 371

**DOSE:** 2200 PPM

**DISP:** Terminal Sacrifice

**HISTO:** 19675

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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PRIMARY CAUSE OF DEATH

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\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05135-06

Test Type: SIX MONTH EXPOS.

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Isoprene

CAS Number: 78-79-5

Date Report Requested: 10/16/2014

Time Report Requested: 02:43:52

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 826

TRT#: 5

SEX: Male

DAY ON TEST: 371

DOSE: 2200 PPM

DISP: Terminal Sacrifice

HISTO: 19676

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Blood Vessel	* Bone	* Bone Marrow
* Brain	* Epididymis	* Esophagus	* Eye
* Gallbladder	* Heart	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Kidney	* Larynx	* Lung	* Lymph Node, Bronchial
* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Pancreas	* Parathyroid Gland
* Peripheral Nerve	* Pharynx	* Pituitary Gland	* Preputial Gland
* Prostate	* Salivary Glands	* Seminal Vesicle	* Skeletal Muscle
* Skin	* Spleen	* Stomach, Forestomach	* Testes
* Thymus	* Thyroid Gland	* Tongue	* Trachea
* Urinary Bladder	* Zymbal's Gland		

MISSING

* Lymph Node, Mediastinal	* Mammary Gland
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OBSERVATIONS

* Adrenal Cortex	Hypertrophy	Focal, Mild
* Blood Vessel		
Note: Aorta is normal.		
* Harderian Gland	Adenoma	
[ Adenoma TGLS = 3-12 ]		
* Islets, Pancreatic	Hyperplasia	Minimal
* Liver	Basophilic Focus	Mild
	Eosinophilic Focus	Marked
	Hepatocellular Adenoma	Multiple
	Hyperplasia	Focal, Marked
	Vacuolization Cytoplasmic	Minimal
[ Hepatocellular Adenoma TGLS = 1-13, 2-4 ]		
[ Hyperplasia TGLS = 4-13 ]		
* Lym Node Bron		
Note: Tracheobronchial lymph node is normal.		
* Nose	Olfactory Epi, Turbinate	Degeneration
		Mild

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05135-06  
**Test Type:** SIX MONTH EXPOS.  
**Route:** RESPIRATORY EXPOSURE WHOLE BODY  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

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

**Date Report Requested:** 10/16/2014  
**Time Report Requested:** 02:43:52  
**First Dose M/F:** NA / NA  
**Lab:** BNW

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**ANIMAL ID:** 826

**TRT#:** 5  
**DOSE:** 2200 PPM

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

**DAY ON TEST:** 371  
**HISTO:** 19676

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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\* Perph Nerve

Note: Sciatic nerve is normal.

\* Spinal Cord

Degeneration

Minimal

\* Stomach, Glandular

Hyperplasia

Minimal

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PRIMARY CAUSE OF DEATH

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\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05135-06

Test Type: SIX MONTH EXPOS.

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Isoprene

CAS Number: 78-79-5

Date Report Requested: 10/16/2014

Time Report Requested: 02:43:52

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 827

TRT#: 5

DOSE: 2200 PPM

SEX: Male

DISP: Terminal Sacrifice

DAY ON TEST: 371

HISTO: 19677

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Lymph Node, Bronchial	* Mammary Gland
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OBSERVATIONS

* Blood Vessel			
Note: Aorta is normal.			
* Harderian Gland		Adenoma	
* Islets, Pancreatic		Hyperplasia	Minimal
* Liver		Eosinophilic Focus	Mild
		Hepatocellular Adenoma	Multiple
		Hepatocellular Carcinoma	
		Vacuolization Cytoplasmic	Minimal
[ Hepatocellular Adenoma TGLS = 1-4, 2-4, 4-14 ]			
[ Hepatocellular Carcinoma TGLS = 3-12+13 ]			
* Lung	Alveolar Epith	Hyperplasia	Mild
* Lym Node Bron			
Note: Tracheobronchial lymph node is missing.			
* Nose	Olfactory Epi, Turbinate	Degeneration	Minimal
* Perph Nerve			
Note: Sciatic nerve is normal.			

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05135-06  
**Test Type:** SIX MONTH EXPOS.  
**Route:** RESPIRATORY EXPOSURE WHOLE BODY  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

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

**Date Report Requested:** 10/16/2014  
**Time Report Requested:** 02:43:52  
**First Dose M/F:** NA / NA  
**Lab:** BNW

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**ANIMAL ID:** 827

**TRT#:** 5

**SEX:** Male

**DAY ON TEST:** 371

**DOSE:** 2200 PPM

**DISP:** Terminal Sacrifice

**HISTO:** 19677

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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\* Stomach, Forestomach

Epithelium

Hyperplasia

Minimal

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PRIMARY CAUSE OF DEATH

-

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\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05135-06

Test Type: SIX MONTH EXPOS.

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Isoprene

CAS Number: 78-79-5

Date Report Requested: 10/16/2014

Time Report Requested: 02:43:52

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 828

TRT#: 5

SEX: Male

DAY ON TEST: 185

DOSE: 2200 PPM

DISP: Scheduled Sacrifice

HISTO: 19678

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Blood Vessel	* Bone
* Bone Marrow	* Brain	* Epididymis	* Esophagus
* Eye	* Gallbladder	* Harderian Gland	* Heart
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Kidney
* Larynx	* Lung	* Lymph Node, Bronchial	* 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
* Skeletal Muscle	* Skin	* Spleen	* Stomach, Glandular
* Testes	* Thymus	* Thyroid Gland	* Tongue
* Trachea	* Urinary Bladder	* Zymbal's Gland	

MISSING

\* Mammary Gland

OBSERVATIONS

* Blood Vessel			
Note: Aorta is normal.			
* Liver		Vacuolization Cytoplasmic	Minimal
* Lym Node Bron			
Note: Tracheobronchial lymph node is normal.			
* Perph Nerve			
Note: Sciatic nerve is normal.			
* Spinal Cord		Degeneration	Minimal
* Stomach, Forestomach	Epithelium	Hyperplasia	Mild
[ Hyperplasia TGLS = 1-8 ]			

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05135-06  
**Test Type:** SIX MONTH EXPOS.  
**Route:** RESPIRATORY EXPOSURE WHOLE BODY  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

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

**Date Report Requested:** 10/16/2014  
**Time Report Requested:** 02:43:52  
**First Dose M/F:** NA / NA  
**Lab:** BNW

**ANIMAL ID:** 829                      **TRT#:** 5                      **SEX:** Male                      **DAY ON TEST:** 326  
**DOSE:** 2200 PPM                      **DISP:** Natural Death                      **HISTO:** 19679

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

* Adrenal Medulla	* Blood Vessel	* Bone	* Brain
* Epididymis	* Esophagus	* Eye	* Heart
* Intestine Large, Colon	* Intestine Large, Rectum	* Islets, Pancreatic	* Kidney
* Larynx	* Pancreas	* Parathyroid Gland	* Pharynx
* Pituitary Gland	* Prostate	* Salivary Glands	* Seminal Vesicle
* Skeletal Muscle	* Skin	* Spinal Cord	* Stomach, Glandular
* Testes	* Thyroid Gland	* Tongue	* Trachea
* Urinary Bladder	* Zymbal's Gland		

**MISSING**

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

* Gallbladder	* Intestine Large, Cecum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum			

**OBSERVATIONS**

* Adrenal Cortex Note: Hematopoietic Cell Proliferation = Extramedullary Hematopoiesis.	Hematopoietic Cell Proliferation	Mild
* Blood Vessel Note: Aorta is normal.		
* Bone Marrow Note: Hyperplasia is granulocytic	Hyperplasia	Moderate
* Harderian Gland	Hyperplasia	Minimal
* Liver  Note: Hematopoietic Cell Proliferation = Extramedullary Hematopoiesis. Note: Tumor is highly spindle celled like at periphery of primary forestomach mass. [ Squamous Cell Carcinoma TGLS = 3-4 ]	Hematopoietic Cell Proliferation Squamous Cell Carcinoma	Mild Metastatic (Stomach, Forestomach)
* Lung	Alveolar/Bronchiolar Adenoma Squamous Cell Carcinoma	Metastatic (Stomach, Forestomach)
* Lymph Node, Bronchial Note: Tracheobronchial lymph node	Squamous Cell Carcinoma	Metastatic (Stomach, Forestomach)

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05135-06  
**Test Type:** SIX MONTH EXPOS.  
**Route:** RESPIRATORY EXPOSURE WHOLE BODY  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

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

**Date Report Requested:** 10/16/2014  
**Time Report Requested:** 02:43:52  
**First Dose M/F:** NA / NA  
**Lab:** BNW

**ANIMAL ID:** 829

**TRT#:** 5

**SEX:** Male

**DAY ON TEST:** 326

**DOSE:** 2200 PPM

**DISP:** Natural Death

**HISTO:** 19679

**ORGAN AND ACCOUNTABLE SITE STATUS**

* Lymph Node, Mediastinal [ Squamous Cell Carcinoma TGLS = 2-2 ]	Squamous Cell Carcinoma	Metastatic (Stomach, Forestomach)
* Lymph Node, Mesenteric Note: Metastatic Squamous cell carcinoma is highly spindled. [ Squamous Cell Carcinoma TGLS = 8-6 ]	Squamous Cell Carcinoma	Metastatic (Stomach, Forestomach)
Mesentery Note: Abdominal and mesenteric masses are also squamous cell carcinoma. Note: Mesenteric metastases are present on organ serosal surfaces on slides 4,5,6,7,& 8. [ Squamous Cell Carcinoma TGLS = 4,7-12+13 ]	Squamous Cell Carcinoma	Metastatic (Stomach, Forestomach)
* Nose Olfactory Epi, Turbinate	Degeneration	Minimal
* Perph Nerve Note: Sciatic Nerve is missing.		
* Preputial Gland	Atrophy	Marked
* Spleen Note: Hematopoietic Cell Proliferation = Extramedullary Hematopoiesis. [ Hematopoietic Cell Proliferation TGLS = 5-4 ]	Hematopoietic Cell Proliferation	Moderate
* Stomach, Forestomach Note: Squamous cell carcinoma is well differentiated and has a prominent spindle cell component at periphery. [ Squamous Cell Carcinoma TGLS = 6-14+15+16 ]	Squamous Cell Carcinoma	
* Thymus	Atrophy	Moderate

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05135-06

Test Type: SIX MONTH EXPOS.

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Isoprene

CAS Number: 78-79-5

Date Report Requested: 10/16/2014

Time Report Requested: 02:43:52

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 830

TRT#: 5

DOSE: 2200 PPM

SEX: Male

DISP: Terminal Sacrifice

DAY ON TEST: 371

HISTO: 19680

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Blood Vessel	* Bone
* Bone Marrow	* Brain	* Epididymis	* Eye
* Gallbladder	* Heart	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Kidney	* Lung	* Lymph Node, Bronchial	* Lymph Node, Mesenteric
* Pancreas	* Peripheral Nerve	* Pharynx	* Pituitary Gland
* Preputial Gland	* Prostate	* Salivary Glands	* Seminal Vesicle
* Skeletal Muscle	* Skin	* Spinal Cord	* Spleen
* Stomach, Forestomach	* Testes	* Thymus	* Tongue
* Trachea	* Urinary Bladder	* Zymbal's Gland	

MISSING

* Esophagus	* Larynx	* Lymph Node, Mandibular	* Lymph Node, Mediastinal
* Mammary Gland	* Parathyroid Gland	* Thyroid Gland	

OBSERVATIONS

* Blood Vessel			
Note: Aorta is normal			
* Harderian Gland		Adenoma	
* Islets, Pancreatic		Hyperplasia	Minimal
* Liver		Basophilic Focus	
		Vacuolization Cytoplasmic	Minimal
* Lym Node Bron			
Note: Tracheobronchial lymph node is normal.			
* Nose	Olfactory Epi, Turbinate	Degeneration	Mild
* Perph Nerve			
Note: Sciatic nerve is normal.			
* Stomach, Glandular		Hyperplasia	Mild
[ Hyperplasia TGLS = 1-8 ]			

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05135-06

Test Type: SIX MONTH EXPOS.

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Isoprene

CAS Number: 78-79-5

Date Report Requested: 10/16/2014

Time Report Requested: 02:43:52

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 831

TRT#: 5

SEX: Male

DAY ON TEST: 185

DOSE: 2200 PPM

DISP: Scheduled Sacrifice

HISTO: 19681

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Lymph Node, Mediastinal	* Mammary Gland
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OBSERVATIONS

* Blood Vessel			
Note: Aorta is normal.			
* Liver		Vacuolization Cytoplasmic	Minimal
* Lung	Alveolar Epith	Hyperplasia	Mild
* Lym Node Bron			
Note: Tracheobronchial lymph node is normal.			
* Perph Nerve			
Note: Sciatic nerve is normal.			
* Spleen		Pigmentation	Melanin, Minimal
[ Pigmentation TGLS = 1-4 ]			
* Stomach, Forestomach	Epithelium	Hyperplasia	Marked
[ Hyperplasia TGLS = 2-8 ]			

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05135-06

Test Type: SIX MONTH EXPOS.

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Isoprene

CAS Number: 78-79-5

Date Report Requested: 10/16/2014

Time Report Requested: 02:43:52

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 832

TRT#: 5

SEX: Male

DAY ON TEST: 289

DOSE: 2200 PPM

DISP: Natural Death

HISTO: 19682

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

\* Adrenal Cortex  
\* Bone Marrow  
\* Eye  
\* Larynx  
\* Lymph Node, Mediastinal  
\* Pancreas  
\* Prostate  
\* Spleen  
\* Thyroid Gland  
\* Zymbal's Gland

\* Adrenal Medulla  
\* Brain  
\* Heart  
\* Liver  
\* Lymph Node, Mesenteric  
\* Parathyroid Gland  
\* Salivary Glands  
\* Stomach, Forestomach  
\* Tongue

\* Blood Vessel  
\* Epididymis  
\* Islets, Pancreatic  
\* Lung  
Mesentery  
\* Pharynx  
\* Seminal Vesicle  
\* Testes  
\* Trachea

\* Bone  
\* Esophagus  
\* Kidney  
\* Lymph Node, Bronchial  
\* Nose  
\* Pituitary Gland  
\* Skeletal Muscle  
\* Thymus  
\* Urinary Bladder

MISSING

\* Intestine Large, Colon

\* Lymph Node, Mandibular

\* Mammary Gland

AUTO PRECLUDES DIAG.

\* Gallbladder  
\* Intestine Small, Ileum  
\* Spinal Cord

\* Intestine Large, Cecum  
\* Intestine Small, Jejunum  
\* Stomach, Glandular

\* Intestine Large, Rectum  
\* Peripheral Nerve

\* Intestine Small, Duodenum  
\* Preputial Gland

OBSERVATIONS

\* Blood Vessel  
Note: Aorta is normal.  
\* Harderian Gland  
\* Lym Node Bron  
Note: Tracheobronchial lymph node is normal.  
Mesentery  
Note: Tgl 2 = NCL  
\* Nose  
Note: Tgl 1 = NCL. Turbinates are normal  
\* Perph Nerve  
Note: Sciatic nerve is autolytic.  
\* Skin

Adenoma

Hemorrhage  
Inflammation

Moderate  
Chronic, Marked

Prepuce

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05135-06  
**Test Type:** SIX MONTH EXPOS.  
**Route:** RESPIRATORY EXPOSURE WHOLE BODY  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

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

**Date Report Requested:** 10/16/2014  
**Time Report Requested:** 02:43:52  
**First Dose M/F:** NA / NA  
**Lab:** BNW

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**ANIMAL ID:** 832

**TRT#:** 5

**SEX:** Male

**DAY ON TEST:** 289

**DOSE:** 2200 PPM

**DISP:** Natural Death

**HISTO:** 19682

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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Note: Subcutaneous hemorrhage associated with the preputial inflammation.

[ Hemorrhage TGLS = 4-12 ]

[ Inflammation TGLS = 3-12 ]

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PRIMARY CAUSE OF DEATH

-

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\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05135-06

Test Type: SIX MONTH EXPOS.

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Isoprene

CAS Number: 78-79-5

Date Report Requested: 10/16/2014

Time Report Requested: 02:43:52

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 833

TRT#: 5

SEX: Male

DAY ON TEST: 185

DOSE: 2200 PPM

DISP: Scheduled Sacrifice

HISTO: 19683

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- |                           |                            |                           |                             |
|---------------------------|----------------------------|---------------------------|-----------------------------|
| * Adrenal Cortex          | * Adrenal Medulla          | * Blood Vessel            | * Bone                      |
| * Bone Marrow             | * Brain                    | * Epididymis              | * Esophagus                 |
| * Eye                     | * Gallbladder              | * Harderian Gland         | * Heart                     |
| * Intestine Large, Cecum  | * Intestine Large, Colon   | * Intestine Large, Rectum | * Intestine Small, Duodenum |
| * Intestine Small, Ileum  | * Intestine Small, Jejunum | * Islets, Pancreatic      | * Kidney                    |
| * Larynx                  | * Liver                    | * Lung                    | * 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           |
| * Skeletal Muscle         | * Skin                     | * Spinal Cord             | * Spleen                    |
| * Stomach, Glandular      | * Testes                   | * Thymus                  | * Thyroid Gland             |
| * Tongue                  | * Trachea                  | * Urinary Bladder         | * Zymbal's Gland            |

MISSING

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

OBSERVATIONS

- |   |            |             |          |
|---|------------|-------------|----------|
| * Blood Vessel                                |            |             |          |
| Note: Aorta is normal.                        |            |             |          |
| * Lym Node Bron                               |            |             |          |
| Note: Tracheobronchial lymph node is missing. |            |             |          |
| * Perph Nerve                                 |            |             |          |
| Note: Sciatic nerve is normal.                |            |             |          |
| * Stomach, Forestomach                        | Epithelium | Hyperplasia | Moderate |
| [ Hyperplasia TGLS = 1-8 ]                    |            |             |          |

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05135-06

Test Type: SIX MONTH EXPOS.

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Isoprene

CAS Number: 78-79-5

Date Report Requested: 10/16/2014

Time Report Requested: 02:43:53

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 834

TRT#: 5

SEX: Male

DAY ON TEST: 185

DOSE: 2200 PPM

DISP: Scheduled Sacrifice

HISTO: 19684

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Brain	* Epididymis	* Esophagus	* Eye
* Gallbladder	* Harderian Gland	* Heart	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Larynx	* Liver
* Lung	* 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	* Skeletal Muscle	* Skin
* Spinal Cord	* Spleen	* Stomach, Glandular	* Testes
* Thymus	* Thyroid Gland	* Tongue	* Trachea
* Urinary Bladder	* Zymbal's Gland		

MISSING

* Blood Vessel	* Lymph Node, Mediastinal	* Mammary Gland
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OBSERVATIONS

* Blood Vessel			
Note: Aorta is missing.			
* Kidney	Bilateral	Hydronephrosis	Mild
[ Hydronephrosis TGLS = 1-5 ]			
* Lym Node Bron			
Note: Tracheobronchial lymph node is normal.			
* Perph Nerve			
Note: Sciatic nerve is normal.			
* Stomach, Forestomach	Epithelium	Hyperplasia	Marked

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05135-06

Test Type: SIX MONTH EXPOS.

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Isoprene

CAS Number: 78-79-5

Date Report Requested: 10/16/2014

Time Report Requested: 02:43:53

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 835

TRT#: 5

DOSE: 2200 PPM

SEX: Male

DISP: Terminal Sacrifice

DAY ON TEST: 371

HISTO: 19685

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Blood Vessel	* Bone
* Brain	* Epididymis	* Esophagus	* Eye
* Gallbladder	* Heart	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Kidney	* Larynx	* Liver
* Lung	* Lymph Node, Bronchial	* Lymph Node, Mandibular	* Lymph Node, Mesenteric
* Pancreas	* Parathyroid Gland	* Peripheral Nerve	* Pharynx
* Pituitary Gland	* Preputial Gland	* Prostate	* Salivary Glands
* Seminal Vesicle	* Skeletal Muscle	* Skin	* Spleen
* Stomach, Glandular	* Testes	* Thymus	* Thyroid Gland
* Tongue	* Trachea	* Urinary Bladder	* Zymbal's Gland

MISSING

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

OBSERVATIONS

* Blood Vessel			
Note: Aorta is normal.			
* Bone Marrow		Angiectasis	Marked
Note: Angiectasis is in marrow of spinal cord.			
* Harderian Gland		Adenoma	
[ Adenoma TGLS = 2-9 ]			
* Lym Node Bron			
Note: Tracheobronchial lymph node is normal.			
* Nose	Olfactory Epi, Turbinate	Degeneration	Minimal
* Perph Nerve			
Note: Sciatic nerve is normal.			
* Spinal Cord		Degeneration	Minimal
* Stomach, Forestomach	Epithelium	Hyperplasia	Moderate
[ Hyperplasia TGLS = 1-8 ]			
[ Squamous Cell Papilloma TGLS = 1-8 ]			

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05135-06  
**Test Type:** SIX MONTH EXPOS.  
**Route:** RESPIRATORY EXPOSURE WHOLE BODY  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

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

**Date Report Requested:** 10/16/2014  
**Time Report Requested:** 02:43:53  
**First Dose M/F:** NA / NA  
**Lab:** BNW

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**ANIMAL ID:** 835

**TRT#:** 5

**SEX:** Male

**DAY ON TEST:** 371

**DOSE:** 2200 PPM

**DISP:** Terminal Sacrifice

**HISTO:** 19685

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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PRIMARY CAUSE OF DEATH

-

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\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05135-06

Test Type: SIX MONTH EXPOS.

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Isoprene

CAS Number: 78-79-5

Date Report Requested: 10/16/2014

Time Report Requested: 02:43:53

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 836

TRT#: 5

SEX: Male

DAY ON TEST: 185

DOSE: 2200 PPM

DISP: Scheduled Sacrifice

HISTO: 19686

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Blood Vessel	* Bone
* Bone Marrow	* Brain	* Epididymis	* Esophagus
* Eye	* Gallbladder	* Harderian Gland	* Heart
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Kidney
* Larynx	* Lung	* Lymph Node, Bronchial	* Lymph Node, Mandibular
* Lymph Node, Mediastinal	* Lymph Node, Mesenteric	* Nose	* Pancreas
* Peripheral Nerve	* Pharynx	* Preputial Gland	* Prostate
* Salivary Glands	* Seminal Vesicle	* Skeletal Muscle	* Skin
* Spinal Cord	* Spleen	* Stomach, Glandular	* Testes
* Thymus	* Thyroid Gland	* Tongue	* Trachea
* Urinary Bladder	* Zymbal's Gland		

MISSING

* Mammary Gland	* Parathyroid Gland	* Pituitary Gland
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OBSERVATIONS

* Blood Vessel			
Note: Aorta is normal.			
* Liver		Vacuolization Cytoplasmic	Minimal
* Lym Node Bron			
Note: Tracheobronchial lymph node is normal.			
* Perph Nerve			
Note: Sciatic nerve is normal.			
* Stomach, Forestomach	Epithelium	Hyperplasia	Moderate
[ Hyperplasia TGLS = 1-8 ]			

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05135-06  
**Test Type:** SIX MONTH EXPOS.  
**Route:** RESPIRATORY EXPOSURE WHOLE BODY  
**Species/Strain:** Mouse/B6C3F1

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

**Date Report Requested:** 10/16/2014  
**Time Report Requested:** 02:43:53  
**First Dose M/F:** NA / NA  
**Lab:** BNW

**ANIMAL ID:** 837

**TRT#:** 5

**SEX:** Male

**DAY ON TEST:** 371

**DOSE:** 2200 PPM

**DISP:** Terminal Sacrifice

**HISTO:** 19687

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

* Adrenal Cortex	* Adrenal Medulla	* Blood Vessel	* Bone
* Bone Marrow	* Brain	* Epididymis	* Esophagus
* Eye	* Gallbladder	* Harderian Gland	* Heart
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Kidney	* Larynx
* Lung	* Lymph Node, Bronchial	* Lymph Node, Mandibular	* Lymph Node, Mesenteric
* Parathyroid Gland	* Peripheral Nerve	* Pharynx	* Pituitary Gland
* Preputial Gland	* Prostate	* Salivary Glands	* Seminal Vesicle
* Skeletal Muscle	* Skin	* Spleen	* Stomach, Forestomach
* Stomach, Glandular	* Testes	* Thymus	* Thyroid Gland
* Tongue	* Trachea	* Urinary Bladder	* Zymbal's Gland

**MISSING**

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

* Blood Vessel			
Note: Aorta is normal.			
* Islets, Pancreatic		Hyperplasia	Minimal
* Liver		Eosinophilic Focus	Marked
		Hepatocellular Adenoma	
		Hepatocellular Carcinoma	Multiple
[ Hepatocellular Carcinoma TGLS = 1-12+13, 2-14 ]			
* Lym Node Bron			
Note: Tracheobronchial lymph node is normal.			
* Nose	Olfactory Epi, Turbinate	Degeneration	Minimal
* Pancreas		Focal Cellular Change	Minimal
* Perph Nerve			
Note: Sciatic nerve is normal.			
* Spinal Cord		Degeneration	Minimal

PRIMARY CAUSE OF DEATH

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05135-06  
**Test Type:** SIX MONTH EXPOS.  
**Route:** RESPIRATORY EXPOSURE WHOLE BODY  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

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

**Date Report Requested:** 10/16/2014  
**Time Report Requested:** 02:43:53  
**First Dose M/F:** NA / NA  
**Lab:** BNW

**ANIMAL ID:** 838

**TRT#:** 5

**SEX:** Male

**DAY ON TEST:** 371

**DOSE:** 2200 PPM

**DISP:** Terminal Sacrifice

**HISTO:** 19688

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

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

**MISSING**

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

* Adrenal Cortex		Hyperplasia	Minimal
* Blood Vessel			
Note: Aorta is normal.			
* Harderian Gland		Adenoma	
[ Adenoma TGLS = 2-12 ]			
* Liver		Hepatocellular Adenoma Vacuolization Cytoplasmic	Minimal
[ Hepatocellular Adenoma TGLS = 1-13 ]			
* Lym Node Bron			
Note: Tracheobronchial lymph node is normal.			
* Nose	Olfactory Epi, Turbinate	Degeneration	Minimal
* Perph Nerve			
Note: Sciatic nerve is normal.			
* Spinal Cord		Degeneration	Minimal

**PRIMARY CAUSE OF DEATH** -

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05135-06

Test Type: SIX MONTH EXPOS.

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Isoprene

CAS Number: 78-79-5

Date Report Requested: 10/16/2014

Time Report Requested: 02:43:53

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 839

TRT#: 5

DOSE: 2200 PPM

SEX: Male

DISP: Terminal Sacrifice

DAY ON TEST: 371

HISTO: 19689

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Blood Vessel	* Bone	* Bone Marrow
* Epididymis	* Esophagus	* Eye	* Gallbladder
* Harderian Gland	* Heart	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Kidney	* Larynx	* Lung	* 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
* Skeletal Muscle	* Skin	* Spleen	* Stomach, Forestomach
* Stomach, Glandular	* Testes	* Thymus	* Thyroid Gland
* Tongue	* Trachea	* Urinary Bladder	* Zymbal's Gland

MISSING

* Lymph Node, Mediastinal	* Mammary Gland
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OBSERVATIONS

* Adrenal Cortex	Hyperplasia	Minimal
	Hypertrophy	Focal, Minimal
* Blood Vessel		
Note: Aorta is normal.		
* Brain	Mineralization	Minimal
* Islets, Pancreatic	Hyperplasia	Minimal
* Liver	Angiectasis	Minimal
	Basophilic Focus	Marked
	Vacuolization Cytoplasmic	Mild
[ Angiectasis TGLS = 2-13 ]		
[ Basophilic Focus TGLS = 1-12 ]		
* Lym Node Bron		
Note: Tracheobronchial lymph node is normal.		
* Perph Nerve		
Note: Sciatic nerve is normal.		
* Spinal Cord	Degeneration	Minimal

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05135-06  
**Test Type:** SIX MONTH EXPOS.  
**Route:** RESPIRATORY EXPOSURE WHOLE BODY  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

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

**Date Report Requested:** 10/16/2014  
**Time Report Requested:** 02:43:53  
**First Dose M/F:** NA / NA  
**Lab:** BNW

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**ANIMAL ID:** 839

**TRT#:** 5

**SEX:** Male

**DAY ON TEST:** 371

**DOSE:** 2200 PPM

**DISP:** Terminal Sacrifice

**HISTO:** 19689

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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PRIMARY CAUSE OF DEATH

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\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05135-06

Test Type: SIX MONTH EXPOS.

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Isoprene

CAS Number: 78-79-5

Date Report Requested: 10/16/2014

Time Report Requested: 02:43:53

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 840

TRT#: 5

DOSE: 2200 PPM

SEX: Male

DISP: Terminal Sacrifice

DAY ON TEST: 371

HISTO: 19690

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Blood Vessel	* Bone	* Bone Marrow
* Brain	* Epididymis	* Esophagus	* Eye
* Gallbladder	* Heart	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Kidney	* Larynx	* Lymph Node, Bronchial	* Lymph Node, Mandibular
* Lymph Node, Mesenteric	* Nose	* Pancreas	* Peripheral Nerve
* Pharynx	* Pituitary Gland	* Preputial Gland	* Salivary Glands
* Seminal Vesicle	* Skeletal Muscle	* Skin	* Spleen
* Stomach, Glandular	* Testes	* Thymus	* Thyroid Gland
* Tongue	* Trachea	* Urinary Bladder	* Zymbal's Gland

MISSING

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

* Adrenal Cortex	Hyperplasia Hypertrophy	Minimal Focal, Minimal
* Blood Vessel Note: Aorta is normal.		
* Harderian Gland	Adenoma	
* Islets, Pancreatic	Hyperplasia	Minimal
* Liver [ Hepatocellular Adenoma TGLS = 5-12 ]	Hepatocellular Adenoma Vacuolization Cytoplasmic	Minimal
* Lung Note: Four neoplasia present, Two adenoma and two carcinoma. [ Alveolar/Bronchiolar Adenoma TGLS = 1-3, 3-3 ] [ Alveolar/Bronchiolar Carcinoma TGLS = 2-3, 4-3 ]	Alveolar/Bronchiolar Adenoma Alveolar/Bronchiolar Carcinoma	Multiple Multiple
* Lym Node Bron Note: Tracheobronchial lymph node is normal.		
* Perph Nerve		

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05135-06  
**Test Type:** SIX MONTH EXPOS.  
**Route:** RESPIRATORY EXPOSURE WHOLE BODY  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

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

**Date Report Requested:** 10/16/2014  
**Time Report Requested:** 02:43:53  
**First Dose M/F:** NA / NA  
**Lab:** BNW

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**ANIMAL ID:** 840

**TRT#:** 5

**SEX:** Male

**DAY ON TEST:** 371

**DOSE:** 2200 PPM

**DISP:** Terminal Sacrifice

**HISTO:** 19690

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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Note: Sciatic nerve is normal.

\* Spinal Cord

Degeneration

Minimal

\* Stomach, Forestomach

Squamous Cell Papilloma

[ Squamous Cell Papilloma TGLS = 6-8 ]

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PRIMARY CAUSE OF DEATH

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\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05135-06

Test Type: SIX MONTH EXPOS.

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Isoprene

CAS Number: 78-79-5

Date Report Requested: 10/16/2014

Time Report Requested: 02:43:53

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 841

TRT#: 5

SEX: Male

DAY ON TEST: 371

DOSE: 2200 PPM

DISP: Terminal Sacrifice

HISTO: 19691

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Blood Vessel	* Bone
* Bone Marrow	* Brain	* Epididymis	* Esophagus
* Eye	* Gallbladder	* Heart	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Kidney	* Larynx	* Lymph Node, Bronchial
* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Pancreas	* Parathyroid Gland
* Peripheral Nerve	* Pharynx	* Pituitary Gland	* Preputial Gland
* Prostate	* Salivary Glands	* Seminal Vesicle	* Skeletal Muscle
* Skin	* Spleen	* Stomach, Glandular	* Testes
* Thymus	* Thyroid Gland	* Tongue	* Trachea
* Urinary Bladder	* Zymbal's Gland		

MISSING

* Lymph Node, Mediastinal	* Mammary Gland
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OBSERVATIONS

* Blood Vessel			
Note: Aorta is normal			
* Harderian Gland		Hyperplasia	Moderate
* Islets, Pancreatic		Hyperplasia	Mild
* Liver		Vacuolization Cytoplasmic	Minimal
* Lung		Alveolar/Bronchiolar Adenoma	
	Alveolar Epith	Hyperplasia	Mild
* Lym Node Bron			
Note: Tracheobronchial lymph node is normal.			
* Nose	Olfactory Epi, Turbinate	Degeneration	Mild
* Perph Nerve			
Note: Sciatic nerve is normal.			
* Spinal Cord		Degeneration	Minimal
* Stomach, Forestomach	Epithelium	Hyperplasia	Minimal

PRIMARY CAUSE OF DEATH

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\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05135-06

Test Type: SIX MONTH EXPOS.

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Isoprene

CAS Number: 78-79-5

Date Report Requested: 10/16/2014

Time Report Requested: 02:43:53

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 842

TRT#: 5

SEX: Male

DAY ON TEST: 371

DOSE: 2200 PPM

DISP: Terminal Sacrifice

HISTO: 19692

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Blood Vessel	* Bone
* Bone Marrow	* Brain	* Epididymis	* Esophagus
* Eye	* Gallbladder	* Harderian Gland	* Heart
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Kidney	* Larynx
* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Pancreas	* Peripheral Nerve
* Pharynx	* Pituitary Gland	* Preputial Gland	* Prostate
* Salivary Glands	* Seminal Vesicle	* Skeletal Muscle	* Skin
* Spleen	* Stomach, Forestomach	* Stomach, Glandular	* Testes
* Thymus	* Tongue	* Trachea	* Urinary Bladder
* Zymbal's Gland			

MISSING

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

* Blood Vessel Note: Aorta is normal.			
* Islets, Pancreatic		Hyperplasia	Minimal
* Liver		Hepatocellular Adenoma	
		Vacuolization Cytoplasmic	Mild
		Alveolar/Bronchiolar Adenoma	
* Lung			
* Lym Node Bron Note: Tracheobronchial Lymph node is missing.			
Mesentery Note: Necrosis is specified as fat necrosis. [ Necrosis TGLS = 1-12 ]		Necrosis	Mild
* Nose Olfactory Epi, Turbinate		Degeneration	Mild
* Perph Nerve Note: Sciatic nerve is normal.			
* Spinal Cord		Degeneration	Minimal
* Thyroid Gland Follicular Cel		Hyperplasia	Minimal

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05135-06  
**Test Type:** SIX MONTH EXPOS.  
**Route:** RESPIRATORY EXPOSURE WHOLE BODY  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

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

**Date Report Requested:** 10/16/2014  
**Time Report Requested:** 02:43:53  
**First Dose M/F:** NA / NA  
**Lab:** BNW

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**ANIMAL ID:** 842

**TRT#:** 5

**SEX:** Male

**DAY ON TEST:** 371

**DOSE:** 2200 PPM

**DISP:** Terminal Sacrifice

**HISTO:** 19692

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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PRIMARY CAUSE OF DEATH

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05135-06  
**Test Type:** SIX MONTH EXPOS.  
**Route:** RESPIRATORY EXPOSURE WHOLE BODY  
**Species/Strain:** Mouse/B6C3F1

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

**Date Report Requested:** 10/16/2014  
**Time Report Requested:** 02:43:53  
**First Dose M/F:** NA / NA  
**Lab:** BNW

**ANIMAL ID:** 843

**TRT#:** 5

**SEX:** Male

**DAY ON TEST:** 371

**DOSE:** 2200 PPM

**DISP:** Terminal Sacrifice

**HISTO:** 19693

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

* Adrenal Medulla	* Blood Vessel	* Bone	* Bone Marrow
* Brain	* Epididymis	* Esophagus	* Eye
* Gallbladder	* Harderian Gland	* Heart	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Larynx	* Lung	* Lymph Node, Mandibular
* Lymph Node, Mediastinal	* Lymph Node, Mesenteric	* Pancreas	* Parathyroid Gland
* Peripheral Nerve	* Pharynx	* Pituitary Gland	* Preputial Gland
* Prostate	* Salivary Glands	* Seminal Vesicle	* Skeletal Muscle
* Spleen	* Stomach, Forestomach	* Stomach, Glandular	* Testes
* Thymus	* Thyroid Gland	* Tongue	* Trachea
* Urinary Bladder	* Zymbal's Gland		

**MISSING**

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

* Adrenal Cortex		Hypertrophy	Focal, Minimal
* Blood Vessel			
Note: Aorta is normal.			
* Islets, Pancreatic		Hyperplasia	Moderate
* Kidney	Bilateral	Metaplasia	Osseous, Minimal
* Liver		Hepatocellular Adenoma	
		Vacuolization Cytoplasmic	Minimal
[ Hepatocellular Adenoma TGLS = 2-12 ]			
* Lym Node Bron			
Note: Tracheobronchial lymph node is missing.			
* Nose	Olfactory Epi, Turbinate	Degeneration	Minimal
* Perph Nerve			
Note: Sciatic nerve is normal.			
* Skin	Prepuce	Inflammation	Chronic, Moderate
[ Inflammation TGLS = 1-7 ]			
* Spinal Cord		Degeneration	Minimal

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05135-06  
**Test Type:** SIX MONTH EXPOS.  
**Route:** RESPIRATORY EXPOSURE WHOLE BODY  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

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

**Date Report Requested:** 10/16/2014  
**Time Report Requested:** 02:43:53  
**First Dose M/F:** NA / NA  
**Lab:** BNW

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**ANIMAL ID:** 843

**TRT#:** 5

**SEX:** Male

**DAY ON TEST:** 371

**DOSE:** 2200 PPM

**DISP:** Terminal Sacrifice

**HISTO:** 19693

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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PRIMARY CAUSE OF DEATH

-

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\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05135-06

Test Type: SIX MONTH EXPOS.

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Isoprene

CAS Number: 78-79-5

Date Report Requested: 10/16/2014

Time Report Requested: 02:43:53

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 844

TRT#: 5

SEX: Male

DAY ON TEST: 371

DOSE: 2200 PPM

DISP: Terminal Sacrifice

HISTO: 19694

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
* Kidney	* Larynx	* Lymph Node, Bronchial	* Lymph Node, Mandibular
* Lymph Node, Mediastinal	* Lymph Node, Mesenteric	* Pancreas	* Parathyroid Gland
* Peripheral Nerve	* Pharynx	* Pituitary Gland	* Preputial Gland
* Salivary Glands	* Seminal Vesicle	* Skeletal Muscle	* Skin
* Spleen	* Stomach, Glandular	* Testes	* Thymus
* Thyroid Gland	* Tongue	* Trachea	* Urinary Bladder
* Zymbal's Gland			

MISSING

\* Mammary Gland

OBSERVATIONS

* Blood Vessel			
Note: Aorta is normal.			
* Gallbladder		Inflammation	Suppurative, Minimal
* Harderian Gland		Adenoma	
* Islets, Pancreatic		Hyperplasia	Minimal
* Liver		Mixed Cell Focus	Minimal
		Vacuolization Cytoplasmic	Minimal
* Lung		Alveolar/Bronchiolar Adenoma	
[ Alveolar/Bronchiolar Adenoma TGLS = 1-3 ]			
* Lym Node Bron			
Note: Tracheobronchial lymph node is normal.			
* Nose	Olfactory Epi, Turbinate	Degeneration	Mild
* Perph Nerve			
Note: Sciatic nerve is normal.			
* Prostate		Hyperplasia	Mild
* Spinal Cord		Degeneration	Minimal

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05135-06  
**Test Type:** SIX MONTH EXPOS.  
**Route:** RESPIRATORY EXPOSURE WHOLE BODY  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

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

**Date Report Requested:** 10/16/2014  
**Time Report Requested:** 02:43:53  
**First Dose M/F:** NA / NA  
**Lab:** BNW

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**ANIMAL ID:** 844

**TRT#:** 5

**SEX:** Male

**DAY ON TEST:** 371

**DOSE:** 2200 PPM

**DISP:** Terminal Sacrifice

**HISTO:** 19694

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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\* Stomach, Forestomach

Angiectasis

Minimal

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PRIMARY CAUSE OF DEATH

-

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\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05135-06

Test Type: SIX MONTH EXPOS.

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Isoprene

CAS Number: 78-79-5

Date Report Requested: 10/16/2014

Time Report Requested: 02:43:53

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 845

TRT#: 5

SEX: Male

DAY ON TEST: 185

DOSE: 2200 PPM

DISP: Scheduled Sacrifice

HISTO: 19695

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- |                          |                            |                           |                             |
|--------------------------|----------------------------|---------------------------|-----------------------------|
| * Adrenal Cortex         | * Adrenal Medulla          | * Blood Vessel            | * Bone                      |
| * Bone Marrow            | * Brain                    | * Epididymis              | * Esophagus                 |
| * Eye                    | * Gallbladder              | * Harderian Gland         | * Heart                     |
| * Intestine Large, Cecum | * Intestine Large, Colon   | * Intestine Large, Rectum | * Intestine Small, Duodenum |
| * Intestine Small, Ileum | * Intestine Small, Jejunum | * Islets, Pancreatic      | * Kidney                    |
| * Larynx                 | * Liver                    | * Lung                    | * Lymph Node, Bronchial     |
| * 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, Glandular     | * Testes                   | * Thymus                  | * Thyroid Gland             |
| * Tongue                 | * Trachea                  | * Urinary Bladder         | * Zymbal's Gland            |

MISSING

- \* Mammary Gland

OBSERVATIONS

- \* Blood Vessel  
Note: Aorta is normal.
- \* Lym Node Bron  
Note: Tracheobronchial lymph node is normal.
- \* Perph Nerve  
Note: Sciatic nerve is normal.
- \* Skeletal Muscle
- \* Stomach, Forestomach  
[ Hyperplasia TGLS = 1-8 ]

Inflammation	Minimal
Hyperplasia	Mild

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05135-06

Test Type: SIX MONTH EXPOS.

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Isoprene

CAS Number: 78-79-5

Date Report Requested: 10/16/2014

Time Report Requested: 02:43:53

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 846

TRT#: 5

SEX: Male

DAY ON TEST: 371

DOSE: 2200 PPM

DISP: Terminal Sacrifice

HISTO: 19696

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Blood Vessel	* Bone	* Bone Marrow
* Brain	* Epididymis	* Esophagus	* Eye
* Gallbladder	* Harderian Gland	* Heart	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Kidney	* Larynx
* Liver	* Lung	* Lymph Node, Bronchial	* Lymph Node, Mediastinal
* Lymph Node, Mesenteric	* Pancreas	* Peripheral Nerve	* Pharynx
* Pituitary Gland	* Preputial Gland	* Prostate	* Salivary Glands
* Seminal Vesicle	* Skeletal Muscle	* Skin	* Spleen
* Stomach, Glandular	* Testes	* Thymus	* Thyroid Gland
* Tongue	* Trachea	* Urinary Bladder	* Zymbal's Gland

MISSING

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

* Adrenal Cortex		Hyperplasia Hypertrophy	Minimal Focal, Minimal
* Blood Vessel			
Note: Aorta is normal.			
* Lym Node Bron			
Note: Tracheobronchial lymph node is normal.			
* Nose	Olfactory Epi, Turbinate	Degeneration	Minimal
* Perph Nerve			
Note: Sciatic nerve is normal.			
* Spinal Cord		Degeneration	Minimal
* Stomach, Forestomach	Epithelium	Hyperplasia	Mild

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05135-06

Test Type: SIX MONTH EXPOS.

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Isoprene

CAS Number: 78-79-5

Date Report Requested: 10/16/2014

Time Report Requested: 02:43:53

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 847

TRT#: 5

SEX: Male

DAY ON TEST: 371

DOSE: 2200 PPM

DISP: Terminal Sacrifice

HISTO: 19697

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

\* Mammary Gland

OBSERVATIONS

* Blood Vessel			
Note: Aorta is normal.			
* Harderian Gland		Adenoma	Multiple
Note: Two neoplasia present.			
* Liver		Hemangioma	
		Hepatocellular Adenoma	Multiple
		Vacuolization Cytoplasmic	Minimal
[ Hemangioma TGLS = 2-4+13 ]			
[ Hepatocellular Adenoma TGLS = 1-12+14 ]			
* Lung		Hemorrhage	Minimal
[ Hemorrhage TGLS = 3-3 ]			
* Lym Node Bron			
Note: Tracheobronchial lymph node is normal.			
* Nose	Olfactory Epi, Turbinate	Degeneration	Minimal
* Perph Nerve			

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05135-06  
**Test Type:** SIX MONTH EXPOS.  
**Route:** RESPIRATORY EXPOSURE WHOLE BODY  
**Species/Strain:** Mouse/B6C3F1

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

**Date Report Requested:** 10/16/2014  
**Time Report Requested:** 02:43:53  
**First Dose M/F:** NA / NA  
**Lab:** BNW

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**ANIMAL ID:** 847

**TRT#:** 5

**SEX:** Male

**DAY ON TEST:** 371

**DOSE:** 2200 PPM

**DISP:** Terminal Sacrifice

**HISTO:** 19697

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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Note: Sciatic nerve is normal.

\* Spinal Cord

Degeneration

Minimal

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PRIMARY CAUSE OF DEATH

-

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\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05135-06

Test Type: SIX MONTH EXPOS.

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Isoprene

CAS Number: 78-79-5

Date Report Requested: 10/16/2014

Time Report Requested: 02:43:53

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 848

TRT#: 5

SEX: Male

DAY ON TEST: 371

DOSE: 2200 PPM

DISP: Terminal Sacrifice

HISTO: 19698

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Blood Vessel	* Bone
* Bone Marrow	* Brain	* Epididymis	* Esophagus
* Eye	* Gallbladder	* Heart	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Kidney	* Larynx
* Lymph Node, Bronchial	* Lymph Node, Mandibular	* Lymph Node, Mediastinal	* Lymph Node, Mesenteric
* Pancreas	* Parathyroid Gland	* Peripheral Nerve	* Pharynx
* Pituitary Gland	* Preputial Gland	* Prostate	* Salivary Glands
* Seminal Vesicle	* Skeletal Muscle	* Skin	* Spleen
* Stomach, Forestomach	* Stomach, Glandular	* Testes	* Thymus
* Tongue	* Trachea	* Urinary Bladder	* Zymbal's Gland

MISSING

\* Mammary Gland

OBSERVATIONS

* Blood Vessel			
Note: Aorta is normal.			
* Harderian Gland		Adenoma	
		Carcinoma	
* Liver		Hepatocellular Adenoma	
		Vacuolization Cytoplasmic	Minimal
[ Hepatocellular Adenoma TGLS = 2-12 ]			
* Lung		Alveolar/Bronchiolar Adenoma	Multiple
Note: Two Neoplasia present.			
[ Alveolar/Bronchiolar Adenoma TGLS = 1-3 ]			
* Lym Node Bron			
Note: Tracheobronchial lymph node is normal.			
* Nose	Olfactory Epi, Turbinate	Degeneration	Minimal
* Perph Nerve			
Note: Sciatic nerve is normal.			
* Spinal Cord		Degeneration	Minimal

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05135-06  
**Test Type:** SIX MONTH EXPOS.  
**Route:** RESPIRATORY EXPOSURE WHOLE BODY  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

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

**Date Report Requested:** 10/16/2014  
**Time Report Requested:** 02:43:53  
**First Dose M/F:** NA / NA  
**Lab:** BNW

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**ANIMAL ID:** 848

**TRT#:** 5

**SEX:** Male

**DAY ON TEST:** 371

**DOSE:** 2200 PPM

**DISP:** Terminal Sacrifice

**HISTO:** 19698

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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\* Thyroid Gland

Cyst

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PRIMARY CAUSE OF DEATH

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\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05135-06

Test Type: SIX MONTH EXPOS.

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Isoprene

CAS Number: 78-79-5

Date Report Requested: 10/16/2014

Time Report Requested: 02:43:53

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 849

TRT#: 5

DOSE: 2200 PPM

SEX: Male

DISP: Terminal Sacrifice

DAY ON TEST: 371

HISTO: 19699

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Blood Vessel	* Bone
* Brain	* Epididymis	* Esophagus	* Eye
* Gallbladder	* Harderian Gland	* Heart	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Kidney	* Larynx	* Lymph Node, Bronchial
* Lymph Node, Mandibular	* Parathyroid Gland	* Peripheral Nerve	* Pharynx
* Pituitary Gland	* Preputial Gland	* Prostate	* Salivary Glands
* Seminal Vesicle	* Skeletal Muscle	* Skin	* Stomach, Glandular
* Testes	* Thymus	* Thyroid Gland	* Tongue
* Trachea	* Urinary Bladder	* Zymbal's Gland	

MISSING

\* Mammary Gland

OBSERVATIONS

* Blood Vessel			
Note: Aorta is normal.			
* Bone Marrow		Hyperplasia	Moderate
Note: Hyperplasia is granulocytic.			
* Intestine Small, Duodenum	Serosa	Inflammation	Chronic, Mild
Note: Chronic inflammation of serosa, adhesion.			
[ Inflammation TGLS = 7-15 ]			
* Liver		Eosinophilic Focus	Marked
		Hematopoietic Cell Proliferation	Mild
		Hepatocellular Adenoma	
Note: Hematopoietic Cell Proliferation = Extramedullary Hematopoiesis.			
[ Hepatocellular Adenoma TGLS = 2-13, 3-14 ]			
* Lung		Alveolar/Bronchiolar Adenoma	
* Lym Node Bron			
Note: Tracheobronchial lymph node is normal.			
* Lymph Node, Mediastinal		Hyperplasia	Moderate
* Lymph Node, Mesenteric		Hyperplasia	Marked

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05135-06  
**Test Type:** SIX MONTH EXPOS.  
**Route:** RESPIRATORY EXPOSURE WHOLE BODY  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

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

**Date Report Requested:** 10/16/2014  
**Time Report Requested:** 02:43:53  
**First Dose M/F:** NA / NA  
**Lab:** BNW

**ANIMAL ID:** 849

**TRT#:** 5

**SEX:** Male

**DAY ON TEST:** 371

**DOSE:** 2200 PPM

**DISP:** Terminal Sacrifice

**HISTO:** 19699

**ORGAN AND ACCOUNTABLE SITE STATUS**

[ Hyperplasia TGLS = 6-6 ]

\* Nose Olfactory Epi, Turbinate

Degeneration

Mild

\* Pancreas

Focal Cellular Change

Minimal

\* Perph Nerve

Note: Sciatic nerve is normal.

\* Spinal Cord

Degeneration

Minimal

\* Spleen

Hematopoietic Cell Proliferation

Marked

Note: Hematopoietic Cell Proliferation = Extramedullary hematopoiesis.

[ Hematopoietic Cell Proliferation TGLS = 1,5-4 ]

\* Stomach, Forestomach

Squamous Cell Carcinoma

[ Squamous Cell Carcinoma TGLS = 4-8+12 ]

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05135-06

Test Type: SIX MONTH EXPOS.

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Isoprene

CAS Number: 78-79-5

Date Report Requested: 10/16/2014

Time Report Requested: 02:43:53

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 850

TRT#: 5

SEX: Male

DAY ON TEST: 185

DOSE: 2200 PPM

DISP: Scheduled Sacrifice

HISTO: 19700

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

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

* Blood Vessel			
Note: Aorta is normal.			
* Lym Node Bron			
Note: Tracheobronchial lymph node is normal.			
* Perph Nerve			
Note: Sciatic nerve is normal.			
* Stomach, Forestomach	Epithelium	Hyperplasia	Marked
[ Hyperplasia TGLS = 1-8 ]			

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05135-06

Test Type: SIX MONTH EXPOS.

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Isoprene

CAS Number: 78-79-5

Date Report Requested: 10/16/2014

Time Report Requested: 02:43:53

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 1011

TRT#: 6

DOSE: 7000 PPM

SEX: Male

DISP: Terminal Sacrifice

DAY ON TEST: 371

HISTO: 19601

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Blood Vessel	* Bone	* Epididymis
* Esophagus	* Eye	* Gallbladder	* Harderian Gland
* Heart	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Kidney
* 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	* Skeletal Muscle	* Stomach, Forestomach	* Stomach, Glandular
* Testes	* Thymus	* Thyroid Gland	* Tongue
* Trachea	* Urinary Bladder	* Zymbal's Gland	

MISSING

* Lymph Node, Mediastinal	* Mammary Gland
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OBSERVATIONS

* Adrenal Cortex		Hypertrophy	Focal, Minimal
* Blood Vessel			
Note: Aorta is normal.			
* Bone Marrow		Hyperplasia	Mild
Note: Hyperplasia is granulocytic.			
* Brain		Meningioma Malignant	Metastatic (Spinal Cord)
Note: Call Meningioma primary in the spinal cord since it is more obvious there and metastatic to the brain.			
* Islets, Pancreatic		Hyperplasia	Minimal
* Lung		Alveolar/Bronchiolar Adenoma	
[ Alveolar/Bronchiolar Adenoma TGLS = 2-3 ]			
* Lym Node Bron			
Note: Tracheobronchial lymph node is normal.			
* Nose	Olfactory Epi, Turbinate	Degeneration	Mild
	Olfactory Epi, Turbinate	Inflammation	Chronic, Minimal
* Pancreas		Focal Cellular Change	Minimal
* Perph Nerve			
Note: Sciatic nerve is normal.			

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05135-06  
**Test Type:** SIX MONTH EXPOS.  
**Route:** RESPIRATORY EXPOSURE WHOLE BODY  
**Species/Strain:** Mouse/B6C3F1

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

**Date Report Requested:** 10/16/2014  
**Time Report Requested:** 02:43:53  
**First Dose M/F:** NA / NA  
**Lab:** BNW

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<b>ANIMAL ID:</b> 1011	<b>TRT#:</b> 6 <b>DOSE:</b> 7000 PPM	<b>SEX:</b> Male <b>DISP:</b> Terminal Sacrifice	<b>DAY ON TEST:</b> 371 <b>HISTO:</b> 19601
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**ORGAN AND ACCOUNTABLE SITE STATUS**

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* Skin Note: Tgl 3 = NCL. Tgl may have referred to a seminal plug in the prepuce. [ Inflammation TGLS = 1-7+12 ]	Prepuce	Inflammation	Chronic, Marked
* Spinal Cord Note: Meningotheolial meningioma		Meningioma Malignant	
* Spleen Note: Hematopoietic Cell Proliferation = Extramedullary hematopoiesis.		Hematopoietic Cell Proliferation	Minimal

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PRIMARY CAUSE OF DEATH

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\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05135-06

Test Type: SIX MONTH EXPOS.

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Isoprene

CAS Number: 78-79-5

Date Report Requested: 10/16/2014

Time Report Requested: 02:43:53

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 1012

TRT#: 6

SEX: Male

DAY ON TEST: 123

DOSE: 7000 PPM

DISP: Natural Death

HISTO: 19602

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Epididymis	* Eye	Penis	* Pharynx
* Skin	* Testes	* Tongue	* Zymbal's Gland

MISSING

* Lymph Node, Bronchial	* Lymph Node, Mandibular	* Lymph Node, Mediastinal	* Mammary Gland
* Parathyroid Gland	* Prostate	* Thymus	

AUTO PRECLUDES DIAG.

* Adrenal Cortex	* Adrenal Medulla	* Blood Vessel	* Bone
* Bone Marrow	* Brain	* Esophagus	* Gallbladder
* Harderian Gland	* Heart	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Kidney	* Larynx	* Liver
* Lung	* Lymph Node, Mesenteric	* Nose	* Pancreas
* Peripheral Nerve	* Pituitary Gland	* Preputial Gland	* Salivary Glands
* Seminal Vesicle	* Skeletal Muscle	* Spinal Cord	* Spleen
* Stomach, Forestomach	* Stomach, Glandular	* Thyroid Gland	* Trachea
* Urinary Bladder			

OBSERVATIONS

\* Blood Vessel  
Note: Aorta is autolytic.

\* Lung  
Note: TGL 1 = Autolysis precludes tgl correlation.

\* Lym Node Bron  
Note: Tracheobronchial lymph node is missing.

\* Nose  
Note: Turbinates are autolytic.

Penis  
Note: Tgl 2 = NCL. Penis has a seminal plug and not a calculus which is not considered to be significant.

\* Perph Nerve  
Note: Sciatic Nerve is autolytic.

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05135-06  
**Test Type:** SIX MONTH EXPOS.  
**Route:** RESPIRATORY EXPOSURE WHOLE BODY  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

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

**Date Report Requested:** 10/16/2014  
**Time Report Requested:** 02:43:53  
**First Dose M/F:** NA / NA  
**Lab:** BNW

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**ANIMAL ID:** 1012

**TRT#:** 6

**SEX:** Male

**DAY ON TEST:** 123

**DOSE:** 7000 PPM

**DISP:** Natural Death

**HISTO:** 19602

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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PRIMARY CAUSE OF DEATH

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\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05135-06

Test Type: SIX MONTH EXPOS.

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Isoprene

CAS Number: 78-79-5

Date Report Requested: 10/16/2014

Time Report Requested: 02:43:53

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 1013

TRT#: 6

SEX: Male

DAY ON TEST: 371

DOSE: 7000 PPM

DISP: Terminal Sacrifice

HISTO: 19603

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Blood Vessel	* Bone	* Bone Marrow
* Brain	* Epididymis	* Esophagus	* Eye
* Gallbladder	* Heart	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Kidney	* Larynx	* Lung	* Lymph Node, Mandibular
* Lymph Node, Mesenteric	* Parathyroid Gland	* Peripheral Nerve	* Pharynx
* Pituitary Gland	* Preputial Gland	* Prostate	* Salivary Glands
* Seminal Vesicle	* Skeletal Muscle	* Skin	* Spinal Cord
* Spleen	* Stomach, Forestomach	* Stomach, Glandular	* Testes
* Thymus	* Thyroid Gland	* Tongue	* Trachea
* Urinary Bladder	* Zymbal's Gland		

MISSING

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

* Adrenal Cortex	Hyperplasia	Minimal
* Blood Vessel		
Note: Aorta is normal.		
* Harderian Gland	Hyperplasia	Mild
* Islets, Pancreatic	Hyperplasia	Minimal
* Liver	Angiectasis	Mild
	Basophilic Focus	Marked
	Eosinophilic Focus	Mild
	Hepatocellular Adenoma	
	Vacuolization Cytoplasmic	Mild

Note: Tgl 2 = NCL. No lesion seen on recut.

[ Angiectasis TGLS = 3-12 ]

[ Basophilic Focus TGLS = 5-13 ]

[ Hepatocellular Adenoma TGLS = 4-4 ]

\* Lung

Note: TGL 1 = NCL. No lesion found on recut.

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05135-06  
**Test Type:** SIX MONTH EXPOS.  
**Route:** RESPIRATORY EXPOSURE WHOLE BODY  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

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

**Date Report Requested:** 10/16/2014  
**Time Report Requested:** 02:43:53  
**First Dose M/F:** NA / NA  
**Lab:** BNW

**ANIMAL ID:** 1013

**TRT#:** 6

**SEX:** Male

**DAY ON TEST:** 371

**DOSE:** 7000 PPM

**DISP:** Terminal Sacrifice

**HISTO:** 19603

**ORGAN AND ACCOUNTABLE SITE STATUS**

\* Lym Node Bron

Note: Tracheobronchial lymph node is missing.

\* Nose

Olfactory Epi, Turbinate

Degeneration

Mild

Olfactory Epi, Turbinate

Inflammation

Chronic, Mild

\* Pancreas

Focal Cellular Change

Mild

\* Perph Nerve

Note: Sciatic nerve is normal.

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05135-06

Test Type: SIX MONTH EXPOS.

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Isoprene

CAS Number: 78-79-5

Date Report Requested: 10/16/2014

Time Report Requested: 02:43:53

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 1014

TRT#: 6

SEX: Male

DAY ON TEST: 185

DOSE: 7000 PPM

DISP: Scheduled Sacrifice

HISTO: 19604

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Blood Vessel	* Bone
* Bone Marrow	* Brain	* Epididymis	* Esophagus
* Eye	* Gallbladder	* Harderian Gland	* Heart
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Kidney
* Larynx	* Lymph Node, Bronchial	* Lymph Node, Mandibular	* Lymph Node, Mesenteric
* Pancreas	* Peripheral Nerve	* Pharynx	* Pituitary Gland
* Preputial Gland	* Prostate	* Salivary Glands	* Seminal Vesicle
* Skeletal Muscle	* Skin	* Spleen	* Stomach, Glandular
* Testes	* Thymus	* Thyroid Gland	* Tongue
* Trachea	* Urinary Bladder	* Zymbal's Gland	

MISSING

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

* Blood Vessel			
Note: Aorta is normal.			
* Liver		Vacuolization Cytoplasmic	Mild
* Lung		Alveolar/Bronchiolar Adenoma	
* Lym Node Bron			
Note: Tracheobronchial lymph node is normal.			
* Nose	Olfactory Epi, Turbinate	Degeneration	Mild
	Olfactory Epi, Turbinate	Inflammation	Chronic, Minimal
* Perph Nerve			
Note: Sciatic nerve is normal.			
* Spinal Cord		Degeneration	Minimal
* Stomach, Forestomach	Epithelium	Hyperplasia	Moderate
[ Hyperplasia TGLS = 1-8 ]			

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05135-06  
**Test Type:** SIX MONTH EXPOS.  
**Route:** RESPIRATORY EXPOSURE WHOLE BODY  
**Species/Strain:** Mouse/B6C3F1

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

**Date Report Requested:** 10/16/2014  
**Time Report Requested:** 02:43:53  
**First Dose M/F:** NA / NA  
**Lab:** BNW

**ANIMAL ID:** 1015

**TRT#:** 6

**SEX:** Male

**DAY ON TEST:** 185

**DOSE:** 7000 PPM

**DISP:** Scheduled Sacrifice

**HISTO:** 19605

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

* Adrenal Cortex	* Adrenal Medulla	* Blood Vessel	* Bone
* Bone Marrow	* Brain	* Epididymis	* Esophagus
* Eye	* Gallbladder	* Harderian Gland	* Heart
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Kidney
* Larynx	* Liver	* Lung	* Lymph Node, Bronchial
* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Pancreas	* Parathyroid Gland
* Peripheral Nerve	* Pharynx	* Pituitary Gland	* Preputial Gland
* Prostate	* Salivary Glands	* Seminal Vesicle	* Skeletal Muscle
* Skin	* Spleen	* Stomach, Glandular	* Testes
* Thymus	* Thyroid Gland	* Tongue	* Trachea
* Urinary Bladder	* Zymbal's Gland		

**MISSING**

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

* Blood Vessel			
Note: Aorta is normal.			
* Lym Node Bron			
Note: Tracheobronchial lymph node is normal.			
* Nose	Olfactory Epi, Turbinate	Degeneration	Minimal
* Perph Nerve			
Note: Sciatic nerve is normal.			
* Spinal Cord		Degeneration	Minimal
* Stomach, Forestomach	Epithelium	Hyperplasia	Mild
[ Hyperplasia TGLS = 1-8 ]			

**PRIMARY CAUSE OF DEATH**

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\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05135-06

Test Type: SIX MONTH EXPOS.

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Isoprene

CAS Number: 78-79-5

Date Report Requested: 10/16/2014

Time Report Requested: 02:43:53

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 1016

TRT#: 6

SEX: Male

DAY ON TEST: 128

DOSE: 7000 PPM

DISP: Moribund Sacrifice

HISTO: 19606

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Blood Vessel	* Bone
* Bone Marrow	* Brain	* Epididymis	* Esophagus
* Eye	* Gallbladder	* Harderian Gland	* Heart
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Larynx
* Lung	* Lymph Node, Mesenteric	* Pancreas	* Parathyroid Gland
* Peripheral Nerve	* Pharynx	* Pituitary Gland	* Preputial Gland
* Prostate	* Salivary Glands	* Seminal Vesicle	* Skeletal Muscle
* Skin	* Spinal Cord	* Spleen	* Testes
* Thyroid Gland	* Tongue	* Trachea	* Zymbal's Gland

MISSING

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

OBSERVATIONS

* Blood Vessel Note: Aorta is normal.			
* Kidney	Bilateral	Nephropathy	Mild
* Liver		Necrosis	Minimal
		Vacuolization Cytoplasmic	Minimal
Note: Necrosis, nos.			
* Lym Node Bron			
Note: Tracheobronchial lymph node is missing.			
* Nose	Olfactory Epi, Turbinate Turbinate	Degeneration Inflammation	Mild Suppurative, Mild
* Perph Nerve Note: Sciatic nerve is normal.			
* Spinal Cord Note: LFB stain not helpful.			
* Stomach, Forestomach [ Squamous Cell Papilloma TGLS = 1-8 ]		Squamous Cell Papilloma	

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05135-06  
**Test Type:** SIX MONTH EXPOS.  
**Route:** RESPIRATORY EXPOSURE WHOLE BODY  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

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

**Date Report Requested:** 10/16/2014  
**Time Report Requested:** 02:43:53  
**First Dose M/F:** NA / NA  
**Lab:** BNW

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<b>ANIMAL ID:</b> 1016	<b>TRT#:</b> 6	<b>SEX:</b> Male	<b>DAY ON TEST:</b> 128
	<b>DOSE:</b> 7000 PPM	<b>DISP:</b> Moribund Sacrifice	<b>HISTO:</b> 19606

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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* Stomach, Glandular	Necrosis	Minimal
* Urinary Bladder	Inflammation	Suppurative, Minimal

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PRIMARY CAUSE OF DEATH -

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\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05135-06

Test Type: SIX MONTH EXPOS.

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Isoprene

CAS Number: 78-79-5

Date Report Requested: 10/16/2014

Time Report Requested: 02:43:53

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 1017

TRT#: 6

SEX: Male

DAY ON TEST: 123

DOSE: 7000 PPM

DISP: Natural Death

HISTO: 19607

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Blood Vessel	* Bone
* Bone Marrow	* Brain	* Epididymis	* Esophagus
* Eye	* Harderian Gland	* Heart	* Intestine Large, Colon
* Intestine Large, Rectum	* Islets, Pancreatic	* Kidney	* Larynx
* Liver	* Lymph Node, Bronchial	* Lymph Node, Mandibular	* Lymph Node, Mediastinal
* Lymph Node, Mesenteric	* Pancreas	* Parathyroid Gland	Penis
* Peripheral Nerve	* Pharynx	* Pituitary Gland	* Preputial Gland
* Prostate	* Salivary Glands	* Seminal Vesicle	* Skeletal Muscle
* Skin	* Spinal Cord	* Spleen	* Testes
* Thymus	* Thyroid Gland	* Tongue	* Trachea
* Urinary Bladder	* Zymbal's Gland		

MISSING

\* Mammary Gland

AUTO PRECLUDES DIAG.

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

OBSERVATIONS

* Blood Vessel			
Note: Aorta is normal.			
* Lung		Congestion	Moderate
[ Congestion TGLS = 1-3 ]			
* Lym Node Bron			
Note: Tracheobronchial lymph node is normal.			
* Nose	Olfactory Epi, Turbinate	Degeneration	Minimal
Penis			
Note: Tgl 2 = NCL. Tgl 2 is a seminal plug and not a calculus and therefore not a significant finding.			
* Perph Nerve			
Note: Sciatic nerve is normal.			
* Stomach, Forestomach	Epithelium	Hyperplasia	Mild

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05135-06  
**Test Type:** SIX MONTH EXPOS.  
**Route:** RESPIRATORY EXPOSURE WHOLE BODY  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

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

**Date Report Requested:** 10/16/2014  
**Time Report Requested:** 02:43:53  
**First Dose M/F:** NA / NA  
**Lab:** BNW

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**ANIMAL ID:** 1017

**TRT#:** 6

**SEX:** Male

**DAY ON TEST:** 123

**DOSE:** 7000 PPM

**DISP:** Natural Death

**HISTO:** 19607

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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PRIMARY CAUSE OF DEATH

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\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05135-06

Test Type: SIX MONTH EXPOS.

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Isoprene

CAS Number: 78-79-5

Date Report Requested: 10/16/2014

Time Report Requested: 02:43:53

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 1018

TRT#: 6

SEX: Male

DAY ON TEST: 183

DOSE: 7000 PPM

DISP: Scheduled Sacrifice

HISTO: 19608

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Blood Vessel	* Bone
* Bone Marrow	* Brain	* Epididymis	* Esophagus
* Eye	* Gallbladder	* Harderian Gland	* Heart
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Kidney
* Larynx	* Liver	* Lung	* Lymph Node, Bronchial
* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Pancreas	* Parathyroid Gland
* Peripheral Nerve	* Pharynx	* Pituitary Gland	* Preputial Gland
* Prostate	* Salivary Glands	* Seminal Vesicle	* Skeletal Muscle
* Skin	* Spleen	* Stomach, Forestomach	* Stomach, Glandular
* Thymus	* Thyroid Gland	* Tongue	* Trachea
* Urinary Bladder	* Zymbal's Gland		

MISSING

* Lymph Node, Mediastinal	* Mammary Gland
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OBSERVATIONS

* Blood Vessel			
Note: Aorta is normal.			
* Lym Node Bron			
Note: Tracheobronchial lymph node is normal.			
* Nose	Olfactory Epi, Turbinate	Degeneration	Minimal
* Perph Nerve			
Note: Sciatic nerve is normal.			
* Spinal Cord		Degeneration	Minimal
* Stom Forestom			
Note: Tgl 1 = NCL - no apparent lesion.			
* Testes		Atrophy	Minimal

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05135-06

Test Type: SIX MONTH EXPOS.

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Isoprene

CAS Number: 78-79-5

Date Report Requested: 10/16/2014

Time Report Requested: 02:43:53

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 1019

TRT#: 6

SEX: Male

DAY ON TEST: 317

DOSE: 7000 PPM

DISP: Moribund Sacrifice

HISTO: 19609

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

\* Mammary Gland

OBSERVATIONS

* Blood Vessel			
Note: Aorta is normal.			
* Harderian Gland		Hyperplasia	Mild
* Heart			
Note: Recut of other half of heart shows no lesion. Recut made due to poor first section. Heart shows no lesions.			
* Liver		Angiectasis	Minimal
	Bile Duct	Hyperplasia	Mild
Note: Biliary tract Hyperplasia is composed of multiple cystic spaces lined by cuboidal epithelium.			
Note: Angiectasis is very small.			
[ Angiectasis TGLS = 3-12 ]			
[ Hyperplasia TGLS = 2-13 ]			
* Lung		Thrombosis	Minimal
* Lym Node Bron			
Note: Tracheobronchial lymph node is normal.			
* Nose	Olfactory Epi, Turbinate	Degeneration	Mild
	Olfactory Epi, Turbinate	Inflammation	Chronic, Minimal

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05135-06  
**Test Type:** SIX MONTH EXPOS.  
**Route:** RESPIRATORY EXPOSURE WHOLE BODY  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

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

**Date Report Requested:** 10/16/2014  
**Time Report Requested:** 02:43:53  
**First Dose M/F:** NA / NA  
**Lab:** BNW

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**ANIMAL ID:** 1019

**TRT#:** 6  
**DOSE:** 7000 PPM

**SEX:** Male  
**DISP:** Moribund Sacrifice

**DAY ON TEST:** 317  
**HISTO:** 19609

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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* Peripheral Nerve	Sciatic	Degeneration	Minimal
* Skin			
Note: TGL 1 = NCL.			
* Spinal Cord		Degeneration	Minimal

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PRIMARY CAUSE OF DEATH

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\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05135-06

Test Type: SIX MONTH EXPOS.

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Isoprene

CAS Number: 78-79-5

Date Report Requested: 10/16/2014

Time Report Requested: 02:43:53

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 1020

TRT#: 6

SEX: Male

DAY ON TEST: 146

DOSE: 7000 PPM

DISP: Moribund Sacrifice

HISTO: 19610

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- |                          |                            |                           |                             |
|--------------------------|----------------------------|---------------------------|-----------------------------|
| * Adrenal Cortex         | * Adrenal Medulla          | * Blood Vessel            | * Bone                      |
| * Bone Marrow            | * Brain                    | * Epididymis              | * Esophagus                 |
| * Eye                    | * Gallbladder              | * Harderian Gland         | * Heart                     |
| * Intestine Large, Cecum | * Intestine Large, Colon   | * Intestine Large, Rectum | * Intestine Small, Duodenum |
| * Intestine Small, Ileum | * Intestine Small, Jejunum | * Islets, Pancreatic      | * Kidney                    |
| * Larynx                 | * Liver                    | * Lung                    | * Lymph Node, Bronchial     |
| * Lymph Node, Mesenteric | * Pancreas                 | * Parathyroid Gland       | * Pharynx                   |
| * Pituitary Gland        | * Preputial Gland          | * Prostate                | * Salivary Glands           |
| * Seminal Vesicle        | * Skeletal Muscle          | * Skin                    | * Spleen                    |
| * Thyroid Gland          | * Tongue                   | * Trachea                 | * Urinary Bladder           |
| * Zymbal's Gland         |                            |                           |                             |

MISSING

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

OBSERVATIONS

- |   |                          |              |         |
|---|--------------------------|--------------|---------|
| * Blood Vessel<br>Note: Aorta is normal.  |                          |              |         |
| * Int Lg Cecum<br>Note: Tgl 3 = NCL. Due to no significant lesion.  |                          |              |         |
| * Int Sm Duoden<br>Note: This lesion is not considered to be a significant finding for the small gut.<br>Note: TGL 2 = NCL<br>Note: May be due to a few red blood cells present in the lumen of the duodenum, possibly from the glandular stomach necrosis. |                          |              |         |
| * Lung<br>Note: Tgl 5 = NCL. No clear lesion even on recut.   |                          |              |         |
| * Lym Node Bron<br>Note: Tracheobronchial lymph node is normal.   |                          |              |         |
| * Nose  | Olfactory Epi, Turbinate | Degeneration | Mild    |
| * Peripheral Nerve  | Sciatic                  | Degeneration | Minimal |
| * Skel Muscle<br>Note: Tgl 4 = NCL. A convincing lesion not found.  |                          |              |         |

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05135-06  
**Test Type:** SIX MONTH EXPOS.  
**Route:** RESPIRATORY EXPOSURE WHOLE BODY  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

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

**Date Report Requested:** 10/16/2014  
**Time Report Requested:** 02:43:53  
**First Dose M/F:** NA / NA  
**Lab:** BNW

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<b>ANIMAL ID:</b> 1020	<b>TRT#:</b> 6	<b>SEX:</b> Male	<b>DAY ON TEST:</b> 146
	<b>DOSE:</b> 7000 PPM	<b>DISP:</b> Moribund Sacrifice	<b>HISTO:</b> 19610

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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* Spinal Cord Note: Luxol Fast Blue Stain not very helpful.		Degeneration	Minimal
* Stomach, Forestomach [ Hyperplasia TGLS = 6-8 ]	Epithelium	Hyperplasia	Marked
* Stomach, Glandular		Necrosis	Mild
* Testes		Atrophy	Minimal
* Thymus Note: TGL 1 = NCL due to missing thymus.			

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PRIMARY CAUSE OF DEATH -

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\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05135-06

Test Type: SIX MONTH EXPOS.

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Isoprene

CAS Number: 78-79-5

Date Report Requested: 10/16/2014

Time Report Requested: 02:43:53

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 1021

TRT#: 6

SEX: Male

DAY ON TEST: 185

DOSE: 7000 PPM

DISP: Scheduled Sacrifice

HISTO: 19611

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

\* Mammary Gland

OBSERVATIONS

* Blood Vessel			
Note: Aorta is normal.			
* Liver		Basophilic Focus	Marked
		Vacuolization Cytoplasmic	Minimal
[ Basophilic Focus TGLS = 1-4 ]			
* Lym Node Bron			
Note: Tracheobronchial lymph node is normal.			
* Nose	Olfactory Epi, Turbinate	Degeneration	Mild
	Olfactory Epi, Turbinate	Inflammation	Chronic, Minimal
* Perph Nerve			
Note: Sciatic nerve is normal.			
* Skeletal Muscle		Atrophy	Minimal
* Spinal Cord		Degeneration	Minimal
* Stomach, Forestomach	Epithelium	Hyperplasia	Marked
[ Hyperplasia TGLS = 2-8 ]			

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05135-06  
**Test Type:** SIX MONTH EXPOS.  
**Route:** RESPIRATORY EXPOSURE WHOLE BODY  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

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

**Date Report Requested:** 10/16/2014  
**Time Report Requested:** 02:43:53  
**First Dose M/F:** NA / NA  
**Lab:** BNW

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**ANIMAL ID:** 1021

**TRT#:** 6

**SEX:** Male

**DAY ON TEST:** 185

**DOSE:** 7000 PPM

**DISP:** Scheduled Sacrifice

**HISTO:** 19611

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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PRIMARY CAUSE OF DEATH

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\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05135-06

Test Type: SIX MONTH EXPOS.

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Isoprene

CAS Number: 78-79-5

Date Report Requested: 10/16/2014

Time Report Requested: 02:43:53

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 1022

TRT#: 6

SEX: Male

DAY ON TEST: 183

DOSE: 7000 PPM

DISP: Scheduled Sacrifice

HISTO: 19612

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

\* Mammary Gland

OBSERVATIONS

* Blood Vessel			
Note: Aorta is normal.			
* Lym Node Bron			
Note: Tracheobronchial lymph node is normal.			
* Nose	Olfactory Epi, Turbinate	Degeneration	Mild
	Olfactory Epi, Turbinate	Inflammation	Chronic, Minimal
* Peripheral Nerve	Sciatic	Degeneration	Minimal
* Spinal Cord		Degeneration	Minimal
* Stomach, Forestomach	Epithelium	Hyperplasia	Moderate
[ Hyperplasia TGLS = 1-8 ]			

PRIMARY CAUSE OF DEATH

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\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05135-06

Test Type: SIX MONTH EXPOS.

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Isoprene

CAS Number: 78-79-5

Date Report Requested: 10/16/2014

Time Report Requested: 02:43:53

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 1023

TRT#: 6

DOSE: 7000 PPM

SEX: Male

DISP: Terminal Sacrifice

DAY ON TEST: 371

HISTO: 19613

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Blood Vessel	* Bone	* Bone Marrow
* Brain	* Epididymis	* Esophagus	* Eye
* Heart	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Larynx
* Lymph Node, Bronchial	* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Pancreas
* Parathyroid Gland	* Peripheral Nerve	* Pharynx	* Pituitary Gland
* Preputial Gland	* Prostate	* Salivary Glands	* Seminal Vesicle
* Skeletal Muscle	* Skin	* Spleen	* Stomach, Forestomach
* Testes	* Thymus	* Thyroid Gland	* Tongue
* Trachea	* Urinary Bladder	* Zymbal's Gland	

MISSING

* Gallbladder	* Intestine Small, Duodenum	* Lymph Node, Mediastinal	* Mammary Gland
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OBSERVATIONS

* Adrenal Cortex		Hypertrophy	Focal, Minimal
* Blood Vessel			
Note: Aorta is normal.			
* Harderian Gland		Adenoma	
* Kidney	Bilateral	Fibrosis	Focal, Mild
Note: Fibrosis is focal and extends below capsule. Other lesions of nephropathy are not diffusely present so lumped this diagnosis under capsule.			
* Liver		Vacuolization Cytoplasmic	Minimal
* Lung		Alveolar/Bronchiolar Adenoma	
		Hemorrhage	Minimal
Note: Hemorrhage seen in left lung on recut.			
[ Alveolar/Bronchiolar Adenoma TGLS = 1-3 ]			
[ Hemorrhage TGLS = 2-3 ]			
* Lym Node Bron			
Note: Tracheobronchial lymph node is normal.			
* Nose	Olfactory Epi, Turbinate	Degeneration	Mild
	Olfactory Epi, Turbinate	Inflammation	Chronic, Minimal
* Perph Nerve			

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05135-06  
**Test Type:** SIX MONTH EXPOS.  
**Route:** RESPIRATORY EXPOSURE WHOLE BODY  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

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

**Date Report Requested:** 10/16/2014  
**Time Report Requested:** 02:43:53  
**First Dose M/F:** NA / NA  
**Lab:** BNW

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**ANIMAL ID:** 1023

**TRT#:** 6  
**DOSE:** 7000 PPM

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

**DAY ON TEST:** 371  
**HISTO:** 19613

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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Note: Sciatic nerve is normal.

- \* Spinal Cord
- \* Stomach, Glandular

Degeneration  
Hyperplasia  
Inflammation

Minimal  
Mild  
Suppurative, Minimal

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[ Hyperplasia TGLS = 3-8 ]

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PRIMARY CAUSE OF DEATH

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\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05135-06

Test Type: SIX MONTH EXPOS.

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Isoprene

CAS Number: 78-79-5

Date Report Requested: 10/16/2014

Time Report Requested: 02:43:53

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 1024

TRT#: 6

DOSE: 7000 PPM

SEX: Male

DISP: Terminal Sacrifice

DAY ON TEST: 371

HISTO: 19614

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Blood Vessel	* Bone
* Bone Marrow	* Brain	* Esophagus	* Eye
* Gallbladder	* Harderian Gland	* Heart	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Kidney	* Larynx	* Lymph Node, Bronchial
* Lymph Node, Mediastinal	* Lymph Node, Mesenteric	* Peripheral Nerve	* Pharynx
* Pituitary Gland	* Preputial Gland	* Prostate	* Salivary Glands
* Seminal Vesicle	* Skeletal Muscle	* Skin	* Spinal Cord
* Spleen	* Stomach, Forestomach	* Stomach, Glandular	* Testes
* Thymus	* Thyroid Gland	* Tongue	* Trachea
* Urinary Bladder	* Zymbal's Gland		

MISSING

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

* Blood Vessel		
Note: Aorta is normal.		
* Brain		
Note: What appears to be an epithelial lesion next to the meninges is a floater.		
* Epididymis	Hyperplasia	Marked
	Inflammation	Minimal
Note: Masson's trichrome indicates the tissue proliferation between the tubules is muscle.		
* Islets, Pancreatic	Hyperplasia	Mild
[ Hyperplasia TGLS = 7-4 ]		
* Liver	Basophilic Focus	Marked
	Hepatocellular Adenoma	Multiple
	Hepatocellular Carcinoma	
	Mixed Cell Focus	Mild
	Vacuolization Cytoplasmic	Minimal
[ Hepatocellular Adenoma TGLS = 3-13, 4-12, 5-4, 8-4, 9-14 ]		
[ Hepatocellular Carcinoma TGLS = 2-13 ]		

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05135-06  
**Test Type:** SIX MONTH EXPOS.  
**Route:** RESPIRATORY EXPOSURE WHOLE BODY  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

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

**Date Report Requested:** 10/16/2014  
**Time Report Requested:** 02:43:53  
**First Dose M/F:** NA / NA  
**Lab:** BNW

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<b>ANIMAL ID:</b> 1024	<b>TRT#:</b> 6	<b>SEX:</b> Male	<b>DAY ON TEST:</b> 371
	<b>DOSE:</b> 7000 PPM	<b>DISP:</b> Terminal Sacrifice	<b>HISTO:</b> 19614

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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* Lung		Alveolar/Bronchiolar Adenoma	
Note: Adenoma has some areas that are of some concern relevant to malignant character but not enough. [ Alveolar/Bronchiolar Adenoma TGLS = 1-3 ]			
* Lym Node Bron			
Note: Tracheobronchial lymph node is normal.			
Mesentery		Necrosis	Marked
Note: Necrosis is specified as fat necrosis. Fat Necrosis plus Chronic inflammation. [ Necrosis TGLS = 6-15 ]			
* Nose	Olfactory Epi, Turbinate	Degeneration	Moderate
	Olfactory Epi, Turbinate	Inflammation	Chronic, Mild
* Pancreas		Focal Cellular Change	Minimal
* Perph Nerve			
Note: Sciatic nerve is normal.			

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PRIMARY CAUSE OF DEATH

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05135-06  
**Test Type:** SIX MONTH EXPOS.  
**Route:** RESPIRATORY EXPOSURE WHOLE BODY  
**Species/Strain:** Mouse/B6C3F1

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

**Date Report Requested:** 10/16/2014  
**Time Report Requested:** 02:43:53  
**First Dose M/F:** NA / NA  
**Lab:** BNW

**ANIMAL ID:** 1025

**TRT#:** 6

**SEX:** Male

**DAY ON TEST:** 185

**DOSE:** 7000 PPM

**DISP:** Scheduled Sacrifice

**HISTO:** 19615

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

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

**MISSING**

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

* Blood Vessel Note: Aorta is normal.			
* Liver		Vacuolization Cytoplasmic	Mild
* Lym Node Bron Note: Tracheobronchial lymph node is normal.			
* Nose	Olfactory Epi, Turbinate	Degeneration	Minimal
* Perph Nerve Note: Sciatic nerve is normal.			
* Spinal Cord		Degeneration	Minimal
* Stomach, Forestomach [ Hyperplasia TGLS = 1-8 ]	Epithelium	Hyperplasia	Mild

**PRIMARY CAUSE OF DEATH**

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\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05135-06

Test Type: SIX MONTH EXPOS.

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Isoprene

CAS Number: 78-79-5

Date Report Requested: 10/16/2014

Time Report Requested: 02:43:53

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 1026

TRT#: 6

SEX: Male

DAY ON TEST: 371

DOSE: 7000 PPM

DISP: Terminal Sacrifice

HISTO: 19616

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Gallbladder	* Mammary Gland
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OBSERVATIONS

* Blood Vessel		
Note: Aorta is normal.		
* Eye	Inflammation	Chronic, Moderate
Note: There is corneal ulceration and inflammation. Scleral inflammation is also present. Eye lesions are secondary to the Harderian tumor.		
* Harderian Gland	Adenoma	
[ Adenoma TGLS = 5-12 ]		
* Islets, Pancreatic	Hyperplasia	Minimal
* Liver	Eosinophilic Focus	
	Hepatocellular Adenoma	Multiple
	Mixed Cell Focus	Mild
[ Hepatocellular Adenoma TGLS = 2-4, 7-13 ]		
* Lung	Hemorrhage	Mild
[ Hemorrhage TGLS = 6-3 ]		
* Lym Node Bron		
Note: Tracheobronchial lymph node is normal.		
* Lymph Node, Mesenteric	Lymphoma Malignant Histiocytic	

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05135-06  
**Test Type:** SIX MONTH EXPOS.  
**Route:** RESPIRATORY EXPOSURE WHOLE BODY  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

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

**Date Report Requested:** 10/16/2014  
**Time Report Requested:** 02:43:53  
**First Dose M/F:** NA / NA  
**Lab:** BNW

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**ANIMAL ID:** 1026

**TRT#:** 6

**SEX:** Male

**DAY ON TEST:** 371

**DOSE:** 7000 PPM

**DISP:** Terminal Sacrifice

**HISTO:** 19616

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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[ Lymphoma Malignant Histiocytic TGLS = 8-6 ]

\* Nose

Olfactory Epi, Turbinate  
Olfactory Epi, Turbinate

Degeneration  
Inflammation  
Inflammation

Mild  
Chronic, Minimal  
Mild

Note: Inflammation, nld.

\* Perph Nerve

Note: Sciatic nerve is normal.

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PRIMARY CAUSE OF DEATH

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05135-06  
**Test Type:** SIX MONTH EXPOS.  
**Route:** RESPIRATORY EXPOSURE WHOLE BODY  
**Species/Strain:** Mouse/B6C3F1

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

**Date Report Requested:** 10/16/2014  
**Time Report Requested:** 02:43:53  
**First Dose M/F:** NA / NA  
**Lab:** BNW

**ANIMAL ID:** 1027

**TRT#:** 6

**SEX:** Male

**DAY ON TEST:** 209

**DOSE:** 7000 PPM

**DISP:** Moribund Sacrifice

**HISTO:** 19617

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

* Adrenal Cortex	* Adrenal Medulla	* Blood Vessel	* Bone
* Brain	* Epididymis	* Esophagus	* Eye
* Gallbladder	* Harderian Gland	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Pancreas	* Pharynx	* Pituitary Gland
* Prostate	* Salivary Glands	* Seminal Vesicle	* Stomach, Forestomach
* Stomach, Glandular	* Thyroid Gland	* Tongue	* Trachea
* Urinary Bladder	* Zymbal's Gland		

**MISSING**

* Mammary Gland	* Parathyroid Gland
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**OBSERVATIONS**

* Blood Vessel Note: Aorta is normal.			
* Bone Marrow Note: Hyperplasia is granulocytic.		Hyperplasia	Mild
* Heart		Lymphoma Malignant Lymphocytic	
* Kidney Note: TGL 7 = NCL. No significant corresponding lesion. [ Lymphoma Malignant Lymphocytic TGLS = 4-5 ]	Bilateral	Lymphoma Malignant Lymphocytic	
* Larynx		Inflammation	Minimal
* Liver [ Lymphoma Malignant Lymphocytic TGLS = 5-4 ]		Lymphoma Malignant Lymphocytic	
* Lung		Lymphoma Malignant Lymphocytic	
* Lymph Node, Bronchial Note: Tracheobronchial lymph node has malignant lymphoma, lymphocytic.		Lymphoma Malignant Lymphocytic	
* Lymph Node, Mandibular		Lymphoma Malignant Lymphocytic	
* Lymph Node, Mediastinal		Lymphoma Malignant Lymphocytic	
* Lymph Node, Mesenteric [ Lymphoma Malignant Lymphocytic TGLS = 3-13 ]		Lymphoma Malignant Lymphocytic	
* Nose Olfactory Epi, Turbinate		Degeneration	Mild

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05135-06  
**Test Type:** SIX MONTH EXPOS.  
**Route:** RESPIRATORY EXPOSURE WHOLE BODY  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

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

**Date Report Requested:** 10/16/2014  
**Time Report Requested:** 02:43:53  
**First Dose M/F:** NA / NA  
**Lab:** BNW

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<b>ANIMAL ID:</b> 1027	<b>TRT#:</b> 6 <b>DOSE:</b> 7000 PPM	<b>SEX:</b> Male <b>DISP:</b> Moribund Sacrifice	<b>DAY ON TEST:</b> 209 <b>HISTO:</b> 19617
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**ORGAN AND ACCOUNTABLE SITE STATUS**

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Olfactory Epi, Turbinate	Inflammation Inflammation	Chronic, Minimal Mild
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Note: Inflammation, nld.

* Peripheral Nerve	Sciatic	Degeneration	Mild
* Preputial Gland		Atrophy	Marked
* Skeletal Muscle		Lymphoma Malignant Lymphocytic	
* Skin		Inflammation	Suppurative, Minimal

Note: TGL 1 = NCL. Inflammation probably does not account for TGL 1. Slide 14 has some lymphoma cells in the subcutaneous tissue but not considered an important site.

Note: Inflammation may be related to alopecia but it is hard to tell.

* Spinal Cord		Degeneration	Mild
* Spleen		Lymphoma Malignant Lymphocytic	
[ Lymphoma Malignant Lymphocytic TGLS = 2-4 ]			
* Testes		Atrophy	Moderate
* Thymus		Lymphoma Malignant Lymphocytic	
[ Lymphoma Malignant Lymphocytic TGLS = 6-12 ]			

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**PRIMARY CAUSE OF DEATH** -

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\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05135-06

Test Type: SIX MONTH EXPOS.

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Isoprene

CAS Number: 78-79-5

Date Report Requested: 10/16/2014

Time Report Requested: 02:43:53

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 1028

TRT#: 6

DOSE: 7000 PPM

SEX: Male

DISP: Terminal Sacrifice

DAY ON TEST: 371

HISTO: 19618

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Blood Vessel	* Bone	* Bone Marrow
* Brain	* Epididymis	* Esophagus	* Eye
* Gallbladder	* Heart	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Larynx	* Lymph Node, Bronchial
* Lymph Node, Mediastinal	* Lymph Node, Mesenteric	* Parathyroid Gland	* Peripheral Nerve
* Pharynx	* Pituitary Gland	* Preputial Gland	* Prostate
* Salivary Glands	* Seminal Vesicle	* Skeletal Muscle	* Skin
* Spleen	* Testes	* Thymus	* Thyroid Gland
* Tongue	* Trachea	* Urinary Bladder	* Zymbal's Gland

MISSING

* Lymph Node, Mandibular	* Mammary Gland
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OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Mild
* Blood Vessel			
Note: Aorta is normal.			
* Harderian Gland		Adenoma	Multiple
Note: Two neoplasia present.			
* Intestine Small, Ileum		Parasite	
Note: Parasite is cysticercus, degenerate			
[ Parasite TGLS = 2-14 ]			
* Intestine Small, Jejunum		Parasite	
Note: The small intestinal lesions are typical of a tapeworm lesion and since animal 824 had a viable worm this is a reasonable diagnosis.			
Note: Parasite is cysticercus, degenerate.			
[ Parasite TGLS = 1-15 ]			
* Islets, Pancreatic		Hyperplasia	Minimal
* Kidney	Bilateral	Fibrosis	Mild
Note: Fibrosis of capsule.			
* Liver		Hepatocellular Adenoma	Multiple
		Hepatocellular Carcinoma	
		Vacuolization Cytoplasmic	Mild

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05135-06  
**Test Type:** SIX MONTH EXPOS.  
**Route:** RESPIRATORY EXPOSURE WHOLE BODY  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

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

**Date Report Requested:** 10/16/2014  
**Time Report Requested:** 02:43:53  
**First Dose M/F:** NA / NA  
**Lab:** BNW

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<b>ANIMAL ID:</b> 1028	<b>TRT#:</b> 6	<b>SEX:</b> Male	<b>DAY ON TEST:</b> 371
	<b>DOSE:</b> 7000 PPM	<b>DISP:</b> Terminal Sacrifice	<b>HISTO:</b> 19618

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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[ Hepatocellular Adenoma TGLS = 5-13 ]			
[ Hepatocellular Carcinoma TGLS = 3-12 ]			
* Lung Note: Two neoplasia present. [ Alveolar/Bronchiolar Adenoma TGLS = 4-3 ]	Alveolar/Bronchiolar Adenoma		Multiple
* Lym Node Bron Note: Tracheobronchial lymph node is normal.			
* Nose Olfactory Epi, Turbinate Olfactory Epi, Turbinate	Degeneration Inflammation Focal Cellular Change		Mild Chronic, Mild Minimal
* Pancreas			
* Perph Nerve Note: Sciatic nerve is normal.			
* Spinal Cord	Degeneration		Minimal
* Stomach, Forestomach	Squamous Cell Papilloma		
* Stomach, Glandular [ Inflammation TGLS = 6-8 ]	Inflammation		Suppurative, Mild

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PRIMARY CAUSE OF DEATH -

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\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05135-06

Test Type: SIX MONTH EXPOS.

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Isoprene

CAS Number: 78-79-5

Date Report Requested: 10/16/2014

Time Report Requested: 02:43:53

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 1029

TRT#: 6

SEX: Male

DAY ON TEST: 371

DOSE: 7000 PPM

DISP: Terminal Sacrifice

HISTO: 19619

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- |                            |                           |                             |                          |
|----------------------------|---------------------------|-----------------------------|--------------------------|
| * Adrenal Cortex           | * Adrenal Medulla         | * Blood Vessel              | * Bone                   |
| * Bone Marrow              | * Brain                   | * Epididymis                | * Esophagus              |
| * Eye                      | * Gallbladder             | * Heart                     | * Intestine Large, Cecum |
| * Intestine Large, Colon   | * Intestine Large, Rectum | * Intestine Small, Duodenum | * Intestine Small, Ileum |
| * Intestine Small, Jejunum | * Kidney                  | * Larynx                    | * Lung                   |
| * Lymph Node, Bronchial    | * Lymph Node, Mediastinal | * Lymph Node, Mesenteric    | * Parathyroid Gland      |
| * Peripheral Nerve         | * Pharynx                 | * Pituitary Gland           | * Prostate               |
| * Salivary Glands          | * Seminal Vesicle         | * Skeletal Muscle           | * Spleen                 |
| * Stomach, Forestomach     | * Stomach, Glandular      | * Testes                    | * Thymus                 |
| * Thyroid Gland            | * Tongue                  | * Trachea                   | * Urinary Bladder        |
| * Zymbal's Gland           |                           |                             |                          |

MISSING

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

OBSERVATIONS

- |  |                          |                           |               |
|--|--------------------------|---------------------------|---------------|
| * Blood Vessel                                     |                          |                           |               |
| Note: Aorta is normal.                             |                          |                           |               |
| * Harderian Gland                                  |                          | Adenoma                   |               |
| * Islets, Pancreatic                               |                          | Hyperplasia               | Minimal       |
| * Liver  |                          | Basophilic Focus          | Mild          |
|  |                          | Hepatocellular Adenoma    | Multiple      |
|  |                          | Hepatocellular Carcinoma  |               |
|  |                          | Vacuolization Cytoplasmic | Mild          |
| [ Hepatocellular Adenoma TGLS = 3-15, 4-17, 5-16 ] |                          |                           |               |
| [ Hepatocellular Carcinoma TGLS = 2-12+14 ]        |                          |                           |               |
| * Lym Node Bron                                    |                          |                           |               |
| Note: Tracheobronchial lymph node is normal.       |                          |                           |               |
| * Nose   | Olfactory Epi, Turbinate | Degeneration              | Mild          |
|  | Olfactory Epi, Turbinate | Inflammation              | Chronic, Mild |
| * Pancreas   |                          | Focal Cellular Change     | Minimal       |
| * Perph Nerve                                      |                          |                           |               |

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05135-06  
**Test Type:** SIX MONTH EXPOS.  
**Route:** RESPIRATORY EXPOSURE WHOLE BODY  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

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

**Date Report Requested:** 10/16/2014  
**Time Report Requested:** 02:43:53  
**First Dose M/F:** NA / NA  
**Lab:** BNW

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**ANIMAL ID:** 1029

**TRT#:** 6  
**DOSE:** 7000 PPM

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

**DAY ON TEST:** 371  
**HISTO:** 19619

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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Note: Sciatic nerve is normal.

\* Preputial Gland

Inflammation

Chronic, Mild

\* Skin

Sebaceous GI

Hyperplasia

Marked

[ Hyperplasia TGLS = 1-13 ]

\* Spinal Cord

Degeneration

Minimal

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PRIMARY CAUSE OF DEATH

-

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\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05135-06

Test Type: SIX MONTH EXPOS.

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Isoprene

CAS Number: 78-79-5

Date Report Requested: 10/16/2014

Time Report Requested: 02:43:53

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 1030

TRT#: 6

SEX: Male

DAY ON TEST: 371

DOSE: 7000 PPM

DISP: Terminal Sacrifice

HISTO: 19620

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Blood Vessel	* Bone	* Brain
* Epididymis	* Esophagus	* Eye	* Gallbladder
* Heart	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Kidney
* Larynx	* Lymph Node, Mandibular	* Lymph Node, Mediastinal	* Lymph Node, Mesenteric
* Pancreas	* Parathyroid Gland	* Peripheral Nerve	* Pharynx
* Pituitary Gland	* Preputial Gland	* Prostate	* Salivary Glands
* Seminal Vesicle	* Skeletal Muscle	* Skin	* Spinal Cord
* Testes	* Thymus	* Thyroid Gland	* Tongue
* Trachea	* Urinary Bladder	* Zymbal's Gland	

MISSING

* Lymph Node, Bronchial	* Mammary Gland
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OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Minimal
* Blood Vessel			
Note: Aorta is normal.			
* Bone Marrow		Hyperplasia	Moderate
Note: Hyperplasia is granulocytic			
* Harderian Gland		Adenoma	Multiple
Note: Two neoplasia present			
* Islets, Pancreatic		Hyperplasia	Minimal
* Liver		Hematopoietic Cell Proliferation	Minimal
		Necrosis	Minimal
Note: Hematopoietic Cell Proliferation = Extramedullary hematopoiesis.			
* Lung	Alveolar Epith	Hyperplasia	Minimal
* Lym Node Bron			
Note: Tracheobronchial lymph node is missing.			
* Nose	Olfactory Epi, Turbinate	Degeneration	Moderate
	Olfactory Epi, Turbinate	Inflammation	Chronic, Minimal
* Perph Nerve			

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05135-06  
**Test Type:** SIX MONTH EXPOS.  
**Route:** RESPIRATORY EXPOSURE WHOLE BODY  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

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

**Date Report Requested:** 10/16/2014  
**Time Report Requested:** 02:43:53  
**First Dose M/F:** NA / NA  
**Lab:** BNW

---

**ANIMAL ID:** 1030

**TRT#:** 6

**SEX:** Male

**DAY ON TEST:** 371

**DOSE:** 7000 PPM

**DISP:** Terminal Sacrifice

**HISTO:** 19620

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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Note: Sciatic nerve is normal.

\* Spleen

Hematopoietic Cell Proliferation

Moderate

Note: Hematopoietic Cell Proliferation = Extramedullary Hematopoiesis.

\* Stomach, Forestomach

Squamous Cell Carcinoma

[ Squamous Cell Carcinoma TGLS = 1-8 ]

\* Stomach, Glandular

Hyperplasia

Mild

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PRIMARY CAUSE OF DEATH

-

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\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05135-06

Test Type: SIX MONTH EXPOS.

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Isoprene

CAS Number: 78-79-5

Date Report Requested: 10/16/2014

Time Report Requested: 02:43:53

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 1031

TRT#: 6

DOSE: 7000 PPM

SEX: Male

DISP: Terminal Sacrifice

DAY ON TEST: 371

HISTO: 19621

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Blood Vessel	* Bone	* Bone Marrow
* Brain	* Epididymis	* Esophagus	* Eye
* Gallbladder	* Harderian Gland	* Heart	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Kidney	* Larynx	* Lymph Node, Bronchial
* Lymph Node, Mandibular	* Lymph Node, Mediastinal	* Lymph Node, Mesenteric	* Pancreas
* Parathyroid Gland	* Peripheral Nerve	* Pharynx	* Pituitary Gland
* Preputial Gland	* Prostate	* Salivary Glands	* Seminal Vesicle
* Skeletal Muscle	* Spinal Cord	* Stomach, Forestomach	* Stomach, Glandular
* Testes	* Thymus	* Thyroid Gland	* Tongue
* Trachea	* Urinary Bladder	* Zymbal's Gland	

MISSING

\* Mammary Gland

OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Minimal
* Blood Vessel			
Note: Aorta is normal.			
* Islets, Pancreatic		Hyperplasia	Minimal
* Liver		Eosinophilic Focus	Mild
		Hepatocellular Adenoma	Multiple
		Hepatocellular Carcinoma	
		Vacuolization Cytoplasmic	Mild
[ Hepatocellular Adenoma TGLS = 1-14, 3-4 ]			
[ Hepatocellular Carcinoma TGLS = 2-15 ]			
[ Vacuolization Cytoplasmic TGLS = 5-4 ]			
* Lung	Alveolar Epith	Hyperplasia	Minimal
* Lym Node Bron			
Note: Tracheobronchial lymph node is normal.			
* Nose	Olfactory Epi, Turbinate	Degeneration	Mild
	Olfactory Epi, Turbinate	Inflammation	Chronic, Minimal

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05135-06  
**Test Type:** SIX MONTH EXPOS.  
**Route:** RESPIRATORY EXPOSURE WHOLE BODY  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

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

**Date Report Requested:** 10/16/2014  
**Time Report Requested:** 02:43:53  
**First Dose M/F:** NA / NA  
**Lab:** BNW

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**ANIMAL ID:** 1031

**TRT#:** 6

**SEX:** Male

**DAY ON TEST:** 371

**DOSE:** 7000 PPM

**DISP:** Terminal Sacrifice

**HISTO:** 19621

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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\* Perph Nerve

Note: Sciatic nerve is normal.

\* Skin

Subcut Tiss

Sarcoma

Note: May be a rhabdomyosarcoma.

[ Sarcoma TGLS = 4-12+13 ]

\* Spleen

Hematopoietic Cell Proliferation

Mild

Note: Hematopoietic Cell Proliferation = Extramedullary hematopoiesis.

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PRIMARY CAUSE OF DEATH

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\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05135-06

Test Type: SIX MONTH EXPOS.

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Isoprene

CAS Number: 78-79-5

Date Report Requested: 10/16/2014

Time Report Requested: 02:43:53

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 1032

TRT#: 6

SEX: Male

DAY ON TEST: 371

DOSE: 7000 PPM

DISP: Terminal Sacrifice

HISTO: 19622

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Blood Vessel	* Bone	* Bone Marrow
* Brain	* Epididymis	* Esophagus	* Eye
* Gallbladder	* Harderian Gland	* Heart	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Larynx	* Lung
* Lymph Node, Bronchial	* Lymph Node, Mesenteric	* Pancreas	* Parathyroid Gland
* Peripheral Nerve	* Pharynx	* Pituitary Gland	* Preputial Gland
* Prostate	* Salivary Glands	* Seminal Vesicle	* Skeletal Muscle
* Skin	* Spinal Cord	* Spleen	* Stomach, Forestomach
* Stomach, Glandular	* Testes	* Thymus	* Thyroid Gland
* Tongue	* Trachea	* Urinary Bladder	* Zymbal's Gland

MISSING

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

* Adrenal Cortex		Hyperplasia	Minimal
* Blood Vessel			
Note: Aorta is normal.			
* Kidney	Bilateral	Hydronephrosis	Mild
[ Hydronephrosis TGLS = 3-5 ]			
* Liver		Hepatocellular Adenoma	
[ Hepatocellular Adenoma TGLS = 1-12 ]			
* Lung			
Note: TGL 2 = NCL. No lesions seen on recut.			
* Lym Node Bron			
Note: Tracheobronchial lymph node is normal.			
* Nose	Olfactory Epi, Turbinate	Degeneration	Minimal
	Olfactory Epi, Turbinate	Inflammation	Chronic, Minimal
* Perph Nerve			
Note: Sciatic nerve is normal.			

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05135-06  
**Test Type:** SIX MONTH EXPOS.  
**Route:** RESPIRATORY EXPOSURE WHOLE BODY  
**Species/Strain:** Mouse/B6C3F1

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

**Date Report Requested:** 10/16/2014  
**Time Report Requested:** 02:43:53  
**First Dose M/F:** NA / NA  
**Lab:** BNW

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**ANIMAL ID:** 1032

**TRT#:** 6

**SEX:** Male

**DAY ON TEST:** 371

**DOSE:** 7000 PPM

**DISP:** Terminal Sacrifice

**HISTO:** 19622

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05135-06

Test Type: SIX MONTH EXPOS.

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Isoprene

CAS Number: 78-79-5

Date Report Requested: 10/16/2014

Time Report Requested: 02:43:53

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 1033

TRT#: 6

SEX: Male

DAY ON TEST: 183

DOSE: 7000 PPM

DISP: Scheduled Sacrifice

HISTO: 19623

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Lymph Node, Mandibular	* Mammary Gland
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OBSERVATIONS

* Blood Vessel			
Note: Aorta is normal.			
* Lym Node Bron			
Note: Tracheobronchial lymph node is normal.			
* Nose	Olfactory Epi, Turbinate	Degeneration	Mild
* Peripheral Nerve	Sciatic	Degeneration	Minimal
* Skeletal Muscle		Atrophy	Minimal
* Spinal Cord	Meninges	Cyst Epithelial Inclusion	
		Degeneration	Minimal
* Stomach, Forestomach	Epithelium	Hyperplasia	Mild
[ Hyperplasia TGLS = 1-8 ]			
* Testes		Atrophy	Mild

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05135-06

Test Type: SIX MONTH EXPOS.

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Isoprene

CAS Number: 78-79-5

Date Report Requested: 10/16/2014

Time Report Requested: 02:43:53

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 1034

TRT#: 6

SEX: Male

DAY ON TEST: 185

DOSE: 7000 PPM

DISP: Scheduled Sacrifice

HISTO: 19624

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

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

* Blood Vessel			
Note: Aorta is normal.			
* Lym Node Bron			
Note: Tracheobronchial lymph node is missing.			
* Nose	Olfactory Epi, Turbinate	Degeneration	Minimal
	Olfactory Epi, Turbinate	Inflammation	Chronic, Minimal
* Perph Nerve			
Note: Sciatic nerve is normal.			
* Skeletal Muscle		Atrophy	Minimal
* Spinal Cord		Degeneration	Minimal
* Stomach, Forestomach	Epithelium	Hyperplasia	Marked
[ Hyperplasia TGLS = 2-8 ]			
* Testes		Atrophy	Mild
[ Atrophy TGLS = 1-7 ]			

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05135-06

Test Type: SIX MONTH EXPOS.

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Isoprene

CAS Number: 78-79-5

Date Report Requested: 10/16/2014

Time Report Requested: 02:43:53

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 1035

TRT#: 6

SEX: Male

DAY ON TEST: 371

DOSE: 7000 PPM

DISP: Terminal Sacrifice

HISTO: 19625

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Blood Vessel	* Bone	* Bone Marrow
* Brain	* Epididymis	* Esophagus	* Eye
* Gallbladder	* Harderian Gland	* Heart	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Kidney	* Larynx
* Lymph Node, Bronchial	* Lymph Node, Mediastinal	* Lymph Node, Mesenteric	* Pancreas
* Parathyroid Gland	* Peripheral Nerve	* Pharynx	* Pituitary Gland
* Salivary Glands	* Seminal Vesicle	* Skeletal Muscle	* Skin
* Spleen	* Testes	* Thymus	* Thyroid Gland
* Tongue	* Trachea	* Urinary Bladder	* Zymbal's Gland

MISSING

* Lymph Node, Mandibular	* Mammary Gland	* Preputial Gland	* Prostate
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OBSERVATIONS

* Adrenal Cortex		Hypertrophy	Focal, Minimal
* Blood Vessel			
Note: Aorta is normal.			
* Liver		Hepatocellular Adenoma Vacuolization Cytoplasmic	Multiple Mild
[ Hepatocellular Adenoma TGLS = 2-12+13, 3-14, 4-4 ]			
* Lung		Alveolar/Bronchiolar Adenoma	Multiple
Note: Two neoplasia present			
[ Alveolar/Bronchiolar Adenoma TGLS = 1-3, 5-3 ]			
* Lym Node Bron			
Note: Tracheobronchial lymph node is normal.			
* Nose	Olfactory Epi, Turbinate Olfactory Epi, Turbinate	Degeneration Inflammation	Mild Chronic, Mild
* Perph Nerve			
Note: Sciatic nerve is normal.			
* Spinal Cord		Degeneration	Minimal
* Stomach, Forestomach	Epithelium	Hyperplasia	Marked

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05135-06  
**Test Type:** SIX MONTH EXPOS.  
**Route:** RESPIRATORY EXPOSURE WHOLE BODY  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

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

**Date Report Requested:** 10/16/2014  
**Time Report Requested:** 02:43:53  
**First Dose M/F:** NA / NA  
**Lab:** BNW

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**ANIMAL ID:** 1035

**TRT#:** 6

**SEX:** Male

**DAY ON TEST:** 371

**DOSE:** 7000 PPM

**DISP:** Terminal Sacrifice

**HISTO:** 19625

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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Note: Hyperplastic foci.

[ Hyperplasia TGLS = 6-8 ]

\* Stomach, Glandular

Hyperplasia

Minimal

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PRIMARY CAUSE OF DEATH

-

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\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05135-06

Test Type: SIX MONTH EXPOS.

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Isoprene

CAS Number: 78-79-5

Date Report Requested: 10/16/2014

Time Report Requested: 02:43:53

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 1036

TRT#: 6

SEX: Male

DAY ON TEST: 183

DOSE: 7000 PPM

DISP: Scheduled Sacrifice

HISTO: 19626

ORGAN AND ACCOUNTABLE SITE STATUS

**NORMAL**

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

**MISSING**

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

* Blood Vessel			
Note: Aorta is normal.			
* Lym Node Bron			
Note: Tracheobronchial lymph node is normal.			
* Nose	Olfactory Epi, Turbinate	Degeneration	Mild
* Perph Nerve			
Note: Sciatic nerve is normal.			
* Skeletal Muscle		Atrophy	Minimal
* Spinal Cord		Degeneration	Minimal
* Stomach, Forestomach	Epithelium	Hyperplasia	Mild
[ Hyperplasia TGLS = 1-8 ]			
* Testes		Atrophy	Moderate

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05135-06

Test Type: SIX MONTH EXPOS.

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Isoprene

CAS Number: 78-79-5

Date Report Requested: 10/16/2014

Time Report Requested: 02:43:53

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 1037

TRT#: 6

SEX: Male

DAY ON TEST: 371

DOSE: 7000 PPM

DISP: Terminal Sacrifice

HISTO: 19627

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Blood Vessel	* Bone
* Bone Marrow	* Brain	* Epididymis	* Esophagus
* Eye	* Gallbladder	* Harderian Gland	* Heart
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Kidney	* Larynx
* Lymph Node, Mediastinal	* Lymph Node, Mesenteric	* Pancreas	* Parathyroid Gland
* Peripheral Nerve	* Pharynx	* Pituitary Gland	* Preputial Gland
* Prostate	* Salivary Glands	* Seminal Vesicle	* Skeletal Muscle
* Skin	* Spleen	* Stomach, Forestomach	* Stomach, Glandular
* Testes	* Thymus	* Thyroid Gland	* Tongue
* Trachea	* Urinary Bladder	* Zymbal's Gland	

MISSING

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

* Blood Vessel			
Note: Aorta is normal.			
* Islets, Pancreatic		Hyperplasia	Minimal
* Liver		Hepatocellular Adenoma	Multiple
		Hepatocellular Carcinoma	
		Vacuolization Cytoplasmic	Minimal
[ Hepatocellular Adenoma TGLS = 2-4, 4-13 ]			
[ Hepatocellular Carcinoma TGLS = 1-12+14 ]			
* Lung		Alveolar/Bronchiolar Adenoma	
[ Alveolar/Bronchiolar Adenoma TGLS = 3-3 ]			
* Lym Node Bron			
Note: Tracheobronchial lymph node is missing.			
* Nose	Olfactory Epi, Turbinate	Degeneration	Mild
	Olfactory Epi, Turbinate	Inflammation	Chronic, Minimal
* Perph Nerve			
Note: Scaitic nerve is normal.			

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05135-06  
**Test Type:** SIX MONTH EXPOS.  
**Route:** RESPIRATORY EXPOSURE WHOLE BODY  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

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

**Date Report Requested:** 10/16/2014  
**Time Report Requested:** 02:43:53  
**First Dose M/F:** NA / NA  
**Lab:** BNW

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**ANIMAL ID:** 1037

**TRT#:** 6

**SEX:** Male

**DAY ON TEST:** 371

**DOSE:** 7000 PPM

**DISP:** Terminal Sacrifice

**HISTO:** 19627

---

**ORGAN AND ACCOUNTABLE SITE STATUS**

---

\* Spinal Cord

Degeneration

Minimal

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PRIMARY CAUSE OF DEATH

-

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\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05135-06

Test Type: SIX MONTH EXPOS.

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Isoprene

CAS Number: 78-79-5

Date Report Requested: 10/16/2014

Time Report Requested: 02:43:53

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 1038

TRT#: 6

SEX: Male

DAY ON TEST: 371

DOSE: 7000 PPM

DISP: Terminal Sacrifice

HISTO: 19628

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Blood Vessel	* Bone	* Bone Marrow
* Brain	* Epididymis	* Esophagus	* Eye
* Gallbladder	* Heart	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Kidney	* Larynx	* Lymph Node, Bronchial	* Lymph Node, Mediastinal
* Lymph Node, Mesenteric	* Parathyroid Gland	* Peripheral Nerve	* Pharynx
* Pituitary Gland	* Preputial Gland	* Prostate	* Salivary Glands
* Seminal Vesicle	* Skeletal Muscle	* Skin	* Spleen
* Stomach, Forestomach	* Stomach, Glandular	* Testes	* Thymus
* Thyroid Gland	* Tongue	* Trachea	* Urinary Bladder
* Zymbal's Gland			

MISSING

* Lymph Node, Mandibular	* Mammary Gland
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OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Minimal
* Blood Vessel			
Note: Aorta is normal.			
* Harderian Gland		Adenoma	
* Islets, Pancreatic		Hyperplasia	Mild
* Liver		Hepatocellular Adenoma	Multiple
		Vacuolization Cytoplasmic	Moderate
Note: Tgl 2-12 possibly related to cytoplasmic vacuolization which is a little more severe in this section of liver.			
Note: Adenoma with unusual possible oval cell proliferation.			
[ Hepatocellular Adenoma TGLS = 1-13, 3-4 ]			
[ Vacuolization Cytoplasmic TGLS = 2-12 ]			
* Lung	Alveolar Epith	Hyperplasia	Marked
* Lym Node Bron			
Note: Tracheobronchial lymph node is normal.			
* Nose	Olfactory Epi, Turbinate	Degeneration	Moderate
	Olfactory Epi, Turbinate	Inflammation	Chronic, Minimal

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05135-06  
**Test Type:** SIX MONTH EXPOS.  
**Route:** RESPIRATORY EXPOSURE WHOLE BODY  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

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

**Date Report Requested:** 10/16/2014  
**Time Report Requested:** 02:43:53  
**First Dose M/F:** NA / NA  
**Lab:** BNW

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<b>ANIMAL ID:</b> 1038	<b>TRT#:</b> 6 <b>DOSE:</b> 7000 PPM	<b>SEX:</b> Male <b>DISP:</b> Terminal Sacrifice	<b>DAY ON TEST:</b> 371 <b>HISTO:</b> 19628
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**ORGAN AND ACCOUNTABLE SITE STATUS**

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* Pancreas	Angiectasis	Minimal
* Perph Nerve Note: Sciatic nerve is normal.		
* Spinal Cord	Degeneration	Minimal

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PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05135-06

Test Type: SIX MONTH EXPOS.

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Isoprene

CAS Number: 78-79-5

Date Report Requested: 10/16/2014

Time Report Requested: 02:43:53

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 1039

TRT#: 6

SEX: Male

DAY ON TEST: 371

DOSE: 7000 PPM

DISP: Terminal Sacrifice

HISTO: 19629

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Blood Vessel	* Bone
* Bone Marrow	* Brain	* Epididymis	* Esophagus
* Eye	* Gallbladder	* Heart	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Kidney	* Larynx	* Lymph Node, Bronchial
* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Pancreas	* Parathyroid Gland
* Peripheral Nerve	* Pharynx	* Pituitary Gland	* Preputial Gland
* Prostate	* Salivary Glands	* Seminal Vesicle	* Skeletal Muscle
* Skin	* Spinal Cord	* Testes	* Thymus
* Thyroid Gland	* Tongue	* Trachea	* Urinary Bladder
* Zymbal's Gland			

MISSING

* Lymph Node, Mediastinal	* Mammary Gland
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OBSERVATIONS

* Blood Vessel			
Note: Aorta is normal.			
* Harderian Gland		Adenoma	
* Islets, Pancreatic		Hyperplasia	Minimal
* Liver		Hepatocellular Adenoma	Multiple
		Hepatocellular Carcinoma	
[ Hepatocellular Adenoma TGLS = 2,3-4 ]			
[ Hepatocellular Carcinoma TGLS = 4-12+13 ]			
* Lung		Alveolar/Bronchiolar Carcinoma	
	Alveolar Epith	Hyperplasia	Marked
[ Alveolar/Bronchiolar Carcinoma TGLS = 1-3 ]			
* Lym Node Bron			
Note: Tracheobronchial lymph node is normal.			
* Nose	Olfactory Epi, Turbinate	Degeneration	Mild
	Olfactory Epi, Turbinate	Inflammation	Chronic, Minimal
* Perph Nerve			

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05135-06  
**Test Type:** SIX MONTH EXPOS.  
**Route:** RESPIRATORY EXPOSURE WHOLE BODY  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

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

**Date Report Requested:** 10/16/2014  
**Time Report Requested:** 02:43:53  
**First Dose M/F:** NA / NA  
**Lab:** BNW

**ANIMAL ID:** 1039

**TRT#:** 6

**SEX:** Male

**DAY ON TEST:** 371

**DOSE:** 7000 PPM

**DISP:** Terminal Sacrifice

**HISTO:** 19629

**ORGAN AND ACCOUNTABLE SITE STATUS**

Note: Sciatic nerve is normal.

\* Spleen

Hematopoietic Cell Proliferation

Mild

Note: Hematopoietic Cell Proliferation = Extramedullary Hematopoiesis.

\* Stomach, Forestomach

Epithelium

Hyperplasia

Minimal

[ Hyperplasia TGLS = 5-8 ]

\* Stomach, Glandular

Hyperplasia

Minimal

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05135-06

Test Type: SIX MONTH EXPOS.

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Isoprene

CAS Number: 78-79-5

Date Report Requested: 10/16/2014

Time Report Requested: 02:43:53

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 1040

TRT#: 6

DOSE: 7000 PPM

SEX: Male

DISP: Terminal Sacrifice

DAY ON TEST: 371

HISTO: 19630

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Lymph Node, Mandibular	* Mammary Gland
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OBSERVATIONS

* Blood Vessel		
Note: Aorta is normal.		
* Harderian Gland	Adenoma	
* Liver	Hepatocellular Adenoma	Multiple
	Hepatocellular Carcinoma	
	[ Hepatocellular Adenoma TGLS = 5-17, 4-4, 3-16 ]	
	[ Hepatocellular Carcinoma TGLS = 2-12+15 ]	
* Lung	Alveolar/Bronchiolar Adenoma	Multiple
	Alveolar/Bronchiolar Carcinoma	
	Alveolar Epith	Marked
	Hyperplasia	
Note: 3 neoplasia present, one carcinoma, two adenoma		
[ Alveolar/Bronchiolar Adenoma TGLS = 6-13, 7-14 ]		
[ Alveolar/Bronchiolar Carcinoma TGLS = 1-3 ]		
* Lym Node Bron		
Note: Tracheobronchial lymph node is normal.		

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05135-06  
**Test Type:** SIX MONTH EXPOS.  
**Route:** RESPIRATORY EXPOSURE WHOLE BODY  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

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

**Date Report Requested:** 10/16/2014  
**Time Report Requested:** 02:43:53  
**First Dose M/F:** NA / NA  
**Lab:** BNW

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**ANIMAL ID:** 1040

**TRT#:** 6  
**DOSE:** 7000 PPM

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

**DAY ON TEST:** 371  
**HISTO:** 19630

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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* Nose	Olfactory Epi, Turbinate	Degeneration	Mild
	Olfactory Epi, Turbinate	Inflammation	Chronic, Minimal

\* Perph Nerve  
Note: Sciatic nerve is normal.

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**PRIMARY CAUSE OF DEATH** -

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\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05135-06

Test Type: SIX MONTH EXPOS.

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Isoprene

CAS Number: 78-79-5

Date Report Requested: 10/16/2014

Time Report Requested: 02:43:53

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 1041

TRT#: 6

SEX: Male

DAY ON TEST: 371

DOSE: 7000 PPM

DISP: Terminal Sacrifice

HISTO: 19631

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Blood Vessel	* Bone	* Bone Marrow
* Brain	* Epididymis	* Esophagus	* Eye
* Gallbladder	* Harderian Gland	* Heart	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Kidney	* Larynx
* Lung	* Lymph Node, Bronchial	* Lymph Node, Mandibular	* Lymph Node, Mesenteric
* Parathyroid Gland	* Peripheral Nerve	* Pharynx	* Preputial Gland
* Prostate	* Salivary Glands	* Seminal Vesicle	* Skeletal Muscle
* Skin	* Spleen	* Stomach, Glandular	* Testes
* Thymus	* Thyroid Gland	* Tongue	* Trachea
* Urinary Bladder	* Zymbal's Gland		

MISSING

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

* Adrenal Cortex		Hyperplasia	Focal, Minimal
* Blood Vessel			
Note: Aorta is normal.			
* Liver		Hepatocellular Adenoma Hepatocellular Carcinoma	Multiple
[ Hepatocellular Adenoma TGLS = 1-14, 3-15 ]			
[ Hepatocellular Carcinoma TGLS = 2-12+13 ]			
* Lym Node Bron			
Note: Tracheobronchial lymph node is normal.			
* Nose	Olfactory Epi, Turbinate Olfactory Epi, Turbinate	Degeneration Inflammation	Mild Chronic, Minimal
* Pancreas	Duct	Cyst	
* Perph Nerve			
Note: Sciatic nerve is normal.			
* Spinal Cord		Degeneration	Minimal
* Stomach, Forestomach	Epithelium	Hyperplasia	Moderate

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05135-06  
**Test Type:** SIX MONTH EXPOS.  
**Route:** RESPIRATORY EXPOSURE WHOLE BODY  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

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

**Date Report Requested:** 10/16/2014  
**Time Report Requested:** 02:43:53  
**First Dose M/F:** NA / NA  
**Lab:** BNW

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**ANIMAL ID:** 1041

**TRT#:** 6

**SEX:** Male

**DAY ON TEST:** 371

**DOSE:** 7000 PPM

**DISP:** Terminal Sacrifice

**HISTO:** 19631

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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[ Hyperplasia TGLS = 4-8 ]

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PRIMARY CAUSE OF DEATH

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\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05135-06

Test Type: SIX MONTH EXPOS.

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Isoprene

CAS Number: 78-79-5

Date Report Requested: 10/16/2014

Time Report Requested: 02:43:53

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 1042

TRT#: 6

SEX: Male

DAY ON TEST: 183

DOSE: 7000 PPM

DISP: Scheduled Sacrifice

HISTO: 19632

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Blood Vessel	* Bone
* Bone Marrow	* Brain	* Epididymis	* Esophagus
* Eye	* Gallbladder	* Harderian Gland	* Heart
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Kidney
* Larynx	* Liver	* Lung	* Lymph Node, Bronchial
* Lymph Node, Mandibular	* Lymph Node, Mediastinal	* Lymph Node, Mesenteric	* Pancreas
* Parathyroid Gland	* Peripheral Nerve	* Pharynx	* Pituitary Gland
* Preputial Gland	* Prostate	* Salivary Glands	* Seminal Vesicle
* Skeletal Muscle	* Skin	* Spleen	* Stomach, Glandular
* Thymus	* Thyroid Gland	* Tongue	* Trachea
* Urinary Bladder	* Zymbal's Gland		

MISSING

\* Mammary Gland

OBSERVATIONS

* Blood Vessel			
Note: Aorta is normal.			
* Lym Node Bron			
Note: Tracheobronchial lymph node is normal.			
* Nose	Olfactory Epi, Turbinate	Degeneration	Mild
	Olfactory Epi, Turbinate	Inflammation	Chronic, Minimal
* Perph Nerve			
Note: Sciatic nerve is normal.			
* Spinal Cord		Degeneration	Minimal
* Stomach, Forestomach	Epithelium	Hyperplasia	Minimal
[ Hyperplasia TGLS = 1-8 ]			
* Testes		Atrophy	Moderate

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE



**Experiment Number:** 05135-06  
**Test Type:** SIX MONTH EXPOS.  
**Route:** RESPIRATORY EXPOSURE WHOLE BODY  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

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

**Date Report Requested:** 10/16/2014  
**Time Report Requested:** 02:43:53  
**First Dose M/F:** NA / NA  
**Lab:** BNW

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**ANIMAL ID:** 1043

**TRT#:** 6

**SEX:** Male

**DAY ON TEST:** 128

**DOSE:** 7000 PPM

**DISP:** Moribund Sacrifice

**HISTO:** 19633

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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Note: Tgl 2 has no finding in the stomach.  
[ Squamous Cell Papilloma TGLS = 4-8 ]

* Testes	Atrophy	Minimal
* Thymus	Necrosis	Minimal

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PRIMARY CAUSE OF DEATH

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\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05135-06

Test Type: SIX MONTH EXPOS.

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Isoprene

CAS Number: 78-79-5

Date Report Requested: 10/16/2014

Time Report Requested: 02:43:53

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 1044

TRT#: 6

SEX: Male

DAY ON TEST: 371

DOSE: 7000 PPM

DISP: Terminal Sacrifice

HISTO: 19634

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Blood Vessel	* Bone
* Bone Marrow	* Brain	* Epididymis	* Esophagus
* Eye	* Gallbladder	* Heart	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Kidney	* Larynx
* Lung	* Lymph Node, Bronchial	* Lymph Node, Mandibular	* Lymph Node, Mesenteric
* Pancreas	* Parathyroid Gland	* Peripheral Nerve	* Pharynx
* Pituitary Gland	* Preputial Gland	* Prostate	* Salivary Glands
* Seminal Vesicle	* Skeletal Muscle	* Skin	* Spleen
* Stomach, Glandular	* Testes	* Thymus	* Thyroid Gland
* Tongue	* Trachea	* Urinary Bladder	* Zymbal's Gland

MISSING

* Lymph Node, Mediastinal	* Mammary Gland
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OBSERVATIONS

* Blood Vessel			
Note: Aorta is normal.			
* Harderian Gland		Adenoma	Multiple
Note: Two neoplasia present			
* Liver		Hepatocellular Carcinoma	
Note: TGL 2 may be related to congestion, but; that is not considered to be a significant diagnosis.			
[ Hepatocellular Carcinoma TGLS = 1-4+12+13 ]			
* Lym Node Bron			
Note: Tracheobronchial lymph node is normal.			
* Nose	Olfactory Epi, Turbinate	Degeneration	Mild
	Olfactory Epi, Turbinate	Inflammation	Chronic, Minimal
* Perph Nerve			
Note: Sciatic nerve is normal.			
* Spinal Cord		Degeneration	Minimal
* Stomach, Forestomach	Epithelium	Hyperplasia	Marked
		Squamous Cell Papilloma	Multiple

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05135-06  
**Test Type:** SIX MONTH EXPOS.  
**Route:** RESPIRATORY EXPOSURE WHOLE BODY  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

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

**Date Report Requested:** 10/16/2014  
**Time Report Requested:** 02:43:53  
**First Dose M/F:** NA / NA  
**Lab:** BNW

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**ANIMAL ID:** 1044

**TRT#:** 6

**SEX:** Male

**DAY ON TEST:** 371

**DOSE:** 7000 PPM

**DISP:** Terminal Sacrifice

**HISTO:** 19634

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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Note: Three neoplasia present.

[ Hyperplasia TGLS = 3-8 ]

[ Squamous Cell Papilloma TGLS = 3-8 ]

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PRIMARY CAUSE OF DEATH

-

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05135-06  
**Test Type:** SIX MONTH EXPOS.  
**Route:** RESPIRATORY EXPOSURE WHOLE BODY  
**Species/Strain:** Mouse/B6C3F1

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

**Date Report Requested:** 10/16/2014  
**Time Report Requested:** 02:43:53  
**First Dose M/F:** NA / NA  
**Lab:** BNW

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<b>ANIMAL ID:</b> 1045	<b>TRT#:</b> 6	<b>SEX:</b> Male	<b>DAY ON TEST:</b> 123
	<b>DOSE:</b> 7000 PPM	<b>DISP:</b> Natural Death	<b>HISTO:</b> 19635

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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**NORMAL**

* Bone	* Eye	* Pharynx	* Tongue
* Zymbal's Gland			

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**MISSING**

* Lymph Node, Bronchial	* Mammary Gland	* Parathyroid Gland	* Prostate
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**AUTO PRECLUDES DIAG.**

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

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**OBSERVATIONS**

\* Blood Vessel  
Note: Aorta is Autolytic

\* Lung  
Note: TGL 1 = NCL. Autolysis precludes evaluation of the lung.

\* Lym Node Bron  
Note: Tracheobronchial lymph node is missing.

\* Nose  
Note: Turbinates are autolytic

Penis  
Note: Tgl 2 = NCL. Penis has seminal plug not a calculus and not considered to be a significant lesion.

\* Perph Nerve  
Note: Sciatic nerve is autolytic.

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05135-06  
**Test Type:** SIX MONTH EXPOS.  
**Route:** RESPIRATORY EXPOSURE WHOLE BODY  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

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

**Date Report Requested:** 10/16/2014  
**Time Report Requested:** 02:43:53  
**First Dose M/F:** NA / NA  
**Lab:** BNW

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**ANIMAL ID:** 1045

**TRT#:** 6

**SEX:** Male

**DAY ON TEST:** 123

**DOSE:** 7000 PPM

**DISP:** Natural Death

**HISTO:** 19635

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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PRIMARY CAUSE OF DEATH

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\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05135-06

Test Type: SIX MONTH EXPOS.

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Isoprene

CAS Number: 78-79-5

Date Report Requested: 10/16/2014

Time Report Requested: 02:43:53

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 1046

TRT#: 6

SEX: Male

DAY ON TEST: 371

DOSE: 7000 PPM

DISP: Terminal Sacrifice

HISTO: 19636

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Blood Vessel	* Bone
* Brain	* Epididymis	* Esophagus	* Eye
* Gallbladder	* Heart	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Kidney	* Larynx	* Liver	* Lymph Node, Mediastinal
* Lymph Node, Mesenteric	* Pancreas	* Parathyroid Gland	* Peripheral Nerve
* Pharynx	* Pituitary Gland	* Preputial Gland	* Prostate
* Salivary Glands	* Seminal Vesicle	* Skeletal Muscle	* Spleen
* Stomach, Glandular	* Testes	* Thymus	* Tongue
* Trachea	* Urinary Bladder	* Zymbal's Gland	

MISSING

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

* Blood Vessel Note: Aorta is normal.			
* Bone Marrow Note: Hyperplasia is granulocytic		Hyperplasia	Mild
* Harderian Gland Note: Two neoplasia present		Adenoma	Multiple
* Islets, Pancreatic		Hyperplasia	Minimal
* Lung  Note: Three neoplasia present, one carcinoma, two adenoma. [ Alveolar/Bronchiolar Adenoma TGLS = 3,4-3 ] [ Alveolar/Bronchiolar Carcinoma TGLS = 2-3 ]		Alveolar/Bronchiolar Adenoma Alveolar/Bronchiolar Carcinoma	Multiple
* Lym Node Bron Note: Tracheobronchial lymph node is missing.			
* Nose	Olfactory Epi, Turbinate Olfactory Epi, Turbinate	Degeneration Inflammation	Mild Chronic, Minimal
* Perph Nerve			

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05135-06  
**Test Type:** SIX MONTH EXPOS.  
**Route:** RESPIRATORY EXPOSURE WHOLE BODY  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

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

**Date Report Requested:** 10/16/2014  
**Time Report Requested:** 02:43:53  
**First Dose M/F:** NA / NA  
**Lab:** BNW

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<b>ANIMAL ID:</b> 1046	<b>TRT#:</b> 6 <b>DOSE:</b> 7000 PPM	<b>SEX:</b> Male <b>DISP:</b> Terminal Sacrifice	<b>DAY ON TEST:</b> 371 <b>HISTO:</b> 19636
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**ORGAN AND ACCOUNTABLE SITE STATUS**

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Note: Sciatic nerve is normal.			
* Skin [ Inflammation TGLS = 1-13 ]	Prepuce	Inflammation	Chronic, Marked
* Spinal Cord		Degeneration	Minimal
* Stomach, Forestomach [ Squamous Cell Papilloma TGLS = 5-8 ]		Squamous Cell Papilloma	
* Thyroid Gland		Cyst	

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PRIMARY CAUSE OF DEATH -

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\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05135-06

Test Type: SIX MONTH EXPOS.

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Isoprene

CAS Number: 78-79-5

Date Report Requested: 10/16/2014

Time Report Requested: 02:43:53

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 1047

TRT#: 6

SEX: Male

DAY ON TEST: 371

DOSE: 7000 PPM

DISP: Terminal Sacrifice

HISTO: 19637

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Blood Vessel	* Bone
* Bone Marrow	* Brain	* Epididymis	* Esophagus
* Eye	* Gallbladder	* Harderian Gland	* Heart
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Kidney	* Larynx
* Lymph Node, Bronchial	* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Pancreas
* Parathyroid Gland	* Peripheral Nerve	* Pharynx	* Pituitary Gland
* Preputial Gland	* Prostate	* Salivary Glands	* Seminal Vesicle
* Skeletal Muscle	* Skin	* Spleen	* Stomach, Forestomach
* Stomach, Glandular	* Thymus	* Thyroid Gland	* Tongue
* Trachea	* Urinary Bladder	* Zymbal's Gland	

MISSING

* Lymph Node, Mediastinal	* Mammary Gland
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OBSERVATIONS

* Blood Vessel		
Note: Aorta is normal.		
* Islets, Pancreatic	Angiectasis	Minimal
	Hyperplasia	Mild
[ Angiectasis TGLS = 5-14 ]		
* Liver	Clear Cell Focus	Minimal
	Vacuolization Cytoplasmic	Moderate
[ Clear Cell Focus TGLS = 2-13 ]		
[ Vacuolization Cytoplasmic TGLS = 1-4+13 ]		
* Lung	Alveolar Epith	Hyperplasia
[ Hyperplasia TGLS = 3-3 ]		Minimal
* Lym Node Bron		
Note: Tracheobronchial lymph node is normal.		
Mesentery	Necrosis	Mild
Note: Necrosis is specified as fat necrosis.		
[ Necrosis TGLS = 4-12 ]		

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05135-06  
**Test Type:** SIX MONTH EXPOS.  
**Route:** RESPIRATORY EXPOSURE WHOLE BODY  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

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

**Date Report Requested:** 10/16/2014  
**Time Report Requested:** 02:43:53  
**First Dose M/F:** NA / NA  
**Lab:** BNW

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<b>ANIMAL ID:</b> 1047	<b>TRT#:</b> 6 <b>DOSE:</b> 7000 PPM	<b>SEX:</b> Male <b>DISP:</b> Terminal Sacrifice	<b>DAY ON TEST:</b> 371 <b>HISTO:</b> 19637
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**ORGAN AND ACCOUNTABLE SITE STATUS**

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* Nose	Olfactory Epi, Turbinate Olfactory Epi, Turbinate	Degeneration Inflammation	Mild Chronic, Minimal
* Perph Nerve Note: Sciatic nerve is normal.			
* Spinal Cord		Degeneration	Minimal
* Testes		Mineralization	Minimal

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PRIMARY CAUSE OF DEATH -

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\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05135-06

Test Type: SIX MONTH EXPOS.

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Isoprene

CAS Number: 78-79-5

Date Report Requested: 10/16/2014

Time Report Requested: 02:43:53

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 1048

TRT#: 6

SEX: Male

DAY ON TEST: 371

DOSE: 7000 PPM

DISP: Terminal Sacrifice

HISTO: 19638

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Blood Vessel	* Bone
* Bone Marrow	* Brain	* Epididymis	* Esophagus
* Eye	* Gallbladder	* Heart	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Kidney	* Larynx
* Lymph Node, Bronchial	* Lymph Node, Mesenteric	* Parathyroid Gland	* Peripheral Nerve
* Pharynx	* Prostate	* Salivary Glands	* Seminal Vesicle
* Skeletal Muscle	* Skin	* Spinal Cord	* Spleen
* Stomach, Forestomach	* Stomach, Glandular	* Testes	* Thymus
* Thyroid Gland	* Tongue	* Trachea	* Urinary Bladder
* Zymbal's Gland			

MISSING

* Lymph Node, Mandibular	* Lymph Node, Mediastinal	* Mammary Gland	* Pituitary Gland
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OBSERVATIONS

* Blood Vessel			
Note: Aorta is normal.			
* Harderian Gland		Adenoma	
* Liver		Hepatocellular Adenoma	
		Mixed Cell Focus	Mild
[ Mixed Cell Focus TGLS = 1-12 ]			
* Lung	Alveolar Epith	Hyperplasia	Mild
* Lym Node Bron			
Note: Tracheobronchial lymph node is normal.			
* Nose	Olfactory Epi, Turbinate	Degeneration	Mild
	Olfactory Epi, Turbinate	Inflammation	Chronic, Minimal
* Pancreas		Focal Cellular Change	Minimal
* Perph Nerve			
Note: Sciatic nerve is normal.			
* Preputial Gland		Angiectasis	Minimal
* Testes			

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05135-06  
**Test Type:** SIX MONTH EXPOS.  
**Route:** RESPIRATORY EXPOSURE WHOLE BODY  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

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

**Date Report Requested:** 10/16/2014  
**Time Report Requested:** 02:43:53  
**First Dose M/F:** NA / NA  
**Lab:** BNW

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**ANIMAL ID:** 1048

**TRT#:** 6

**SEX:** Male

**DAY ON TEST:** 371

**DOSE:** 7000 PPM

**DISP:** Terminal Sacrifice

**HISTO:** 19638

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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Note: Tgl 2 = NCL. There are only two sections of testes, not three as indicated. Recheck of block and wet tissue resulted in no evidence of the third section.

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PRIMARY CAUSE OF DEATH

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\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05135-06

Test Type: SIX MONTH EXPOS.

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Isoprene

CAS Number: 78-79-5

Date Report Requested: 10/16/2014

Time Report Requested: 02:43:53

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 1049

TRT#: 6

SEX: Male

DAY ON TEST: 371

DOSE: 7000 PPM

DISP: Terminal Sacrifice

HISTO: 19639

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Blood Vessel	* Bone
* Bone Marrow	* Brain	* Epididymis	* Esophagus
* Eye	* Gallbladder	* Harderian Gland	* Heart
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Kidney
* Larynx	* Lymph Node, Bronchial	* Lymph Node, Mandibular	* Lymph Node, Mediastinal
* Pancreas	* Parathyroid Gland	* Peripheral Nerve	* Pharynx
* Pituitary Gland	* Preputial Gland	* Prostate	* Salivary Glands
* Seminal Vesicle	* Skeletal Muscle	* Skin	* Spinal Cord
* Spleen	* Stomach, Forestomach	* Stomach, Glandular	* Testes
* Thymus	* Thyroid Gland	* Tongue	* Trachea
* Urinary Bladder	* Zymbal's Gland		

MISSING

* Lymph Node, Mesenteric	* Mammary Gland
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OBSERVATIONS

* Blood Vessel			
Note: Aorta is normal.			
* Liver		Hepatocellular Adenoma	
[ Hepatocellular Adenoma TGLS = 2-4 ]			
* Lung		Congestion	Mild
[ Congestion TGLS = 5-3 ]			
* Lym Node Bron			
Note: Tracheobronchial lymph node is normal.			
* Nose	Olfactory Epi, Turbinate	Degeneration	Mild
	Olfactory Epi, Turbinate	Inflammation	Chronic, Minimal
* Perph Nerve			
Note: Sciatic nerve is normal.			
* Skin			
Note: Tgl 4 = NCL. The nodule is glandular tissue of some kind. It appears to be an accessory sex gland in nature.			
* Testes			

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05135-06  
**Test Type:** SIX MONTH EXPOS.  
**Route:** RESPIRATORY EXPOSURE WHOLE BODY  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

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

**Date Report Requested:** 10/16/2014  
**Time Report Requested:** 02:43:53  
**First Dose M/F:** NA / NA  
**Lab:** BNW

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**ANIMAL ID:** 1049

**TRT#:** 6

**SEX:** Male

**DAY ON TEST:** 371

**DOSE:** 7000 PPM

**DISP:** Terminal Sacrifice

**HISTO:** 19639

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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Note: TGL 6 = NCL. No clear lesion even on recut

PRIMARY CAUSE OF DEATH

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\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05135-06

Test Type: SIX MONTH EXPOS.

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Isoprene

CAS Number: 78-79-5

Date Report Requested: 10/16/2014

Time Report Requested: 02:43:53

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 1050

TRT#: 6

DOSE: 7000 PPM

SEX: Male

DISP: Natural Death

DAY ON TEST: 317

HISTO: 19640

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Blood Vessel	* Bone	* Bone Marrow
* Brain	* Epididymis	* Esophagus	* Eye
* Heart	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Islets, Pancreatic	* Kidney	* Larynx
* Lung	* Lymph Node, Bronchial	* Lymph Node, Mediastinal	* Lymph Node, Mesenteric
* Peripheral Nerve	* Pharynx	* Preputial Gland	* Prostate
* Salivary Glands	* Seminal Vesicle	* Skeletal Muscle	* Skin
* Spinal Cord	* Spleen	* Stomach, Forestomach	* Stomach, Glandular
* Testes	* Thymus	* Thyroid Gland	* Tongue
* Trachea	* Urinary Bladder	* Zymbal's Gland	

MISSING

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

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

* Adrenal Cortex		Hypertrophy	Focal, Minimal
* Blood Vessel			
Note: Aorta is normal			
* Harderian Gland		Adenoma	Multiple
Note: Two neoplasia present. There is an adenoma in the gland left in the skull also.			
[ Adenoma TGLS = 3-12 ]			
* Liver		Hepatocellular Adenoma	
[ Hepatocellular Adenoma TGLS = 2-13 ]			
* Lym Node Bron			
Note: Tracheobronchial lymph node is normal.			
* Nose	Olfactory Epi, Turbinate	Degeneration	Mild
	Olfactory Epi, Turbinate	Inflammation	Chronic, Minimal
* Pancreas		Inflammation	Chronic, Mild
* Perph Nerve			
Note: Sciatic nerve is normal.			

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05135-06  
**Test Type:** SIX MONTH EXPOS.  
**Route:** RESPIRATORY EXPOSURE WHOLE BODY  
**Species/Strain:** Mouse/B6C3F1

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

**Date Report Requested:** 10/16/2014  
**Time Report Requested:** 02:43:53  
**First Dose M/F:** NA / NA  
**Lab:** BNW

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**ANIMAL ID:** 1050

**TRT#:** 6

**SEX:** Male

**DAY ON TEST:** 317

**DOSE:** 7000 PPM

**DISP:** Natural Death

**HISTO:** 19640

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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Note: Sciatic nerve is normal.

Note: Sciatic nerve is normal.

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PRIMARY CAUSE OF DEATH

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**\*\* END OF REPORT \*\***