

Experiment Number: 05135-07

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Isoprene

CAS Number: 78-79-5

Date Report Requested: 10/22/2014

Time Report Requested: 18:27:43

First Dose M/F: NA / NA

Lab: BNW

C Number:	C61825B
Lock Date:	03/13/1996
Cage Range:	All
Date Range:	All
Reasons For Removal:	All
Removal Date Range:	All
Treatment Groups:	All
Study Gender:	Both
PWG Approval Date	10/02/1997

Experiment Number: 05135-07

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Isoprene

CAS Number: 78-79-5

Date Report Requested: 10/22/2014

Time Report Requested: 18:27:43

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 1

TRT#: 1

SEX: Male

DAY ON TEST: 652

DOSE: CONTROL

DISP: Moribund Sacrifice

HISTO: 33196

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Mild
* Bone Marrow		Leukemia Mononuclear	
* Heart		Cardiomyopathy	Mild
* Kidney		Leukemia Mononuclear	
	[Nephropathy TGLS = 2-5]	Nephropathy	Moderate
* Liver		Fatty Change	Mild
	[Leukemia Mononuclear TGLS = 2-5]	Leukemia Mononuclear	
* Lung		Inflammation	Chronic Active, Minimal
		Leukemia Mononuclear	
* Lymph Node, Mesenteric		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLS = 5-7]		
* Pituitary Gland	Pars Distalis	Adenoma	
	[Adenoma TGLS = 1-8]		
* Preputial Gland		Inflammation	Chronic Active, Mild
* Spleen		Leukemia Mononuclear	
* Testes	Bilateral, Interstit Cell	Adenoma	
	[Adenoma TGLS = 5-7]		
* Thymus		Leukemia Mononuclear	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05135-07

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CAS Number: 78-79-5

Date Report Requested: 10/22/2014

Time Report Requested: 18:27:43

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 1

TRT#: 1

SEX: Male

DAY ON TEST: 652

DOSE: CONTROL

DISP: Moribund Sacrifice

HISTO: 33196

ORGAN AND ACCOUNTABLE SITE STATUS

[Leukemia Mononuclear TGLS = 5-7]

PRIMARY CAUSE OF DEATH

- Pituitary Gland Pars Distalis Adenoma

CONTRIBUTORY CAUSE OF DEATH

- Spleen Leukemia Mononuclear

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05135-07

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Isoprene

CAS Number: 78-79-5

Date Report Requested: 10/22/2014

Time Report Requested: 18:27:43

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 2	TRT#: 1 DOSE: CONTROL	SEX: Male DISP: Moribund Sacrifice	DAY ON TEST: 342 HISTO: 33197
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ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Lymph Node, Bronchial	* Mammary Gland
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OBSERVATIONS

* Heart		Cardiomyopathy	Minimal
* Kidney		Nephropathy	Minimal
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 2-8]			

PRIMARY CAUSE OF DEATH	- Pituitary Gland Pars Distalis Adenoma
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* PROTOCOL REQUIRED TISSUE

Experiment Number: 05135-07

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Isoprene

CAS Number: 78-79-5

Date Report Requested: 10/22/2014

Time Report Requested: 18:27:43

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 3	TRT#: 1 DOSE: CONTROL	SEX: Male DISP: Moribund Sacrifice	DAY ON TEST: 454 HISTO: 33198
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ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Brain	* Epididymis	* Esophagus	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Larynx	* Lung
* Lymph Node, Mandibular	* Lymph Node, Mediastinal	* Lymph Node, Mesenteric	* Mammary Gland
* Nose	* Pancreas	* Parathyroid Gland	* Preputial Gland
* Prostate	* Salivary Glands	* Seminal Vesicle	* Stomach, Forestomach
* Stomach, Glandular	* Thymus	* Thyroid Gland	* Trachea
* Urinary Bladder			

MISSING

* Lymph Node, Bronchial

OBSERVATIONS

* Heart		Cardiomyopathy	Minimal
* Kidney		Nephropathy	Minimal
* Liver		Basophilic Focus	
Mesentery	Fat	Necrosis	Mild
[Necrosis TGLS = 2-12]			
* Pituitary Gland	Pars Distalis	Hyperplasia	Moderate
* Skin		Squamous Cell Carcinoma	
[Squamous Cell Carcinoma TGLS = 3-13+14+15]			
* Spleen		Hematopoietic Cell Proliferation	Mild
* Testes	Interstit Cell	Adenoma	
	Interstit Cell	Hyperplasia	Mild

PRIMARY CAUSE OF DEATH - Skin Squamous Cell Carcinoma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05135-07

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Isoprene

CAS Number: 78-79-5

Date Report Requested: 10/22/2014

Time Report Requested: 18:27:43

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 4	TRT#: 1 DOSE: CONTROL	SEX: Male DISP: Terminal Sacrifice	DAY ON TEST: 733 HISTO: 33199
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ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Bone	* Bone Marrow	* Brain	* Epididymis
* Esophagus	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Larynx	* Lymph Node, Bronchial	* Lymph Node, Mandibular	* Lymph Node, Mediastinal
* Lymph Node, Mesenteric	* Mammary Gland	* Nose	* Parathyroid Gland
* Preputial Gland	* Salivary Glands	* Seminal Vesicle	* Skin
* Stomach, Forestomach	* Stomach, Glandular	* Thymus	* Thyroid Gland
* Trachea	* Urinary Bladder		

OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Minimal
		Hypertrophy	Mild
* Adrenal Medulla		Hyperplasia	Marked
* Heart		Cardiomyopathy	Moderate
* Kidney		Nephropathy	Moderate
* Liver		Degeneration	Cystic, Mild
	Bile Duct	Hyperplasia	Mild
		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 6-4]			
* Lung		Inflammation	Chronic Active, Minimal
Oral Mucosa	Gingival	Sarcoma	
[Sarcoma TGLS = 1-11]			
* Pancreas		Atrophy	Mild
		Hyperplasia	Moderate
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 2-8]			
* Prostate		Hyperplasia	Mild
* Spleen		Fibrosis	Mild
		Leukemia Mononuclear	
[Fibrosis TGLS = 3-4]			
* Testes	Bilateral, Interstit Cell	Adenoma	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05135-07

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Isoprene

CAS Number: 78-79-5

Date Report Requested: 10/22/2014

Time Report Requested: 18:27:43

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 4

TRT#: 1

SEX: Male

DAY ON TEST: 733

DOSE: CONTROL

DISP: Terminal Sacrifice

HISTO: 33199

ORGAN AND ACCOUNTABLE SITE STATUS

[Adenoma TGLS = 4,5-7]

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05135-07

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Isoprene

CAS Number: 78-79-5

Date Report Requested: 10/22/2014

Time Report Requested: 18:27:43

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 5	TRT#: 1 DOSE: CONTROL	SEX: Male DISP: Terminal Sacrifice	DAY ON TEST: 733 HISTO: 33200
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ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Mammary Gland

OBSERVATIONS

* Adrenal Medulla		Hyperplasia	Mild
* Heart		Cardiomyopathy	Mild
* Kidney		Nephropathy	Moderate
* Liver		Basophilic Focus	
		Eosinophilic Focus	
* Lung	Bile Duct	Hyperplasia	Mild
	Alveolar Epith	Hyperplasia	Minimal
		Inflammation	Chronic Active, Mild
* Pancreas		Atrophy	Mild
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 1-8]			
* Testes	Bilateral, Interstit Cell	Adenoma	
[Adenoma TGLS = 2,3-7]			
* Thyroid Gland	C Cell	Hyperplasia	Minimal

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05135-07

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Isoprene

CAS Number: 78-79-5

Date Report Requested: 10/22/2014

Time Report Requested: 18:27:43

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 6	TRT#: 1 DOSE: CONTROL	SEX: Male DISP: Terminal Sacrifice	DAY ON TEST: 734 HISTO: 33201
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ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Bone	* Bone Marrow	* Brain	* Epididymis
* Esophagus	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Larynx	* Mammary Gland	* Nose	* Parathyroid Gland
* Preputial Gland	* Prostate	* Salivary Glands	* Seminal Vesicle
* Skin	* Stomach, Glandular	* Trachea	* Urinary Bladder

OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Mild
* Adrenal Medulla		Hyperplasia	Mild
* Heart		Cardiomyopathy	Mild
* Kidney		Leukemia Mononuclear	
	[Nephropathy TGLS = 4-5]	Nephropathy	Moderate
* Liver		Clear Cell Focus	
	[Clear Cell Focus TGLS = 4-5]	Degeneration	Cystic, Mild
	[Leukemia Mononuclear TGLS = 4-5]	Leukemia Mononuclear	
* Lung		Inflammation	Chronic Active, Minimal
* Lymph Node, Bronchial		Leukemia Mononuclear	
* Lymph Node, Mandibular		Leukemia Mononuclear	
* Lymph Node, Mediastinal		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLS = 5-13]		
* Lymph Node, Mesenteric		Leukemia Mononuclear	
* Pancreas		Atrophy	Moderate
* Pituitary Gland	Pars Distalis	Adenoma	
	[Adenoma TGLS = 2-8]		
* Spleen		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLS = 2-8]		

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05135-07

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Isoprene

CAS Number: 78-79-5

Date Report Requested: 10/22/2014

Time Report Requested: 18:27:43

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 6	TRT#: 1 DOSE: CONTROL	SEX: Male DISP: Terminal Sacrifice	DAY ON TEST: 734 HISTO: 33201
ORGAN AND ACCOUNTABLE SITE STATUS			
* Stomach, Forestomach [Necrosis TGLS = 5-13]		Necrosis	Mild
* Testes [Adenoma TGLS = 3-7]	Bilateral, Interstit Cell	Adenoma	
* Thymus [Leukemia Mononuclear TGLS = 3-7]		Leukemia Mononuclear	
* Thyroid Gland	C Cell	Hyperplasia	Minimal
PRIMARY CAUSE OF DEATH	-		

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05135-07

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Isoprene

CAS Number: 78-79-5

Date Report Requested: 10/22/2014

Time Report Requested: 18:27:43

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 7	TRT#: 1 DOSE: CONTROL	SEX: Male DISP: Moribund Sacrifice	DAY ON TEST: 672 HISTO: 33202
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ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Bone	* Bone Marrow	* Brain
* Epididymis	* Esophagus	* 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	* Parathyroid Gland
* Preputial Gland	* Prostate	* Salivary Glands	* Seminal Vesicle
* Skin	* Stomach, Forestomach	* Stomach, Glandular	* Thymus
* Trachea	* Urinary Bladder		

MISSING

* Mammary Gland

OBSERVATIONS

* Adrenal Medulla		Hyperplasia	Minimal
* Heart		Cardiomyopathy	Minimal
* Kidney		Leukemia Mononuclear	
		Nephropathy	Moderate
[Nephropathy TGLS = 4-5]			
* Liver		Fatty Change	Mild
	Bile Duct	Hyperplasia	Mild
		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 5-4]			
Mesentery	Fat	Necrosis	Mild
[Necrosis TGLS = 3-11]			
* Nose		Inflammation	Suppurative, Minimal
* Pancreas		Atrophy	Mild
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 1-8]			
* Spleen		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 1-8]			
* Testes	Interstit Cell	Adenoma	
	Interstit Cell	Hyperplasia	Marked

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05135-07
Test Type: CHRONIC
Species/Strain: Rat/F 344/N

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

Date Report Requested: 10/22/2014
Time Report Requested: 18:27:43
First Dose M/F: NA / NA
Lab: BNW

ANIMAL ID: 7	TRT#: 1 DOSE: CONTROL	SEX: Male DISP: Moribund Sacrifice	DAY ON TEST: 672 HISTO: 33202
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ORGAN AND ACCOUNTABLE SITE STATUS

[Adenoma TGLS = 2-7] * Thyroid Gland	C Cell	Hyperplasia	Minimal
PRIMARY CAUSE OF DEATH	- Pituitary Gland Pars Distalis Adenoma		
CONTRIBUTORY CAUSE OF DEATH	- Spleen Leukemia Mononuclear		

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05135-07

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Isoprene

CAS Number: 78-79-5

Date Report Requested: 10/22/2014

Time Report Requested: 18:27:43

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 8	TRT#: 1 DOSE: CONTROL	SEX: Male DISP: Moribund Sacrifice	DAY ON TEST: 518 HISTO: 33203
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ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

* Heart		Cardiomyopathy	Minimal
* Kidney		Nephropathy	Moderate
[Nephropathy TGLS = 2-5]			
* Liver		Fatty Change	Mild
Mesentery	Fat	Necrosis	Mild
[Necrosis TGLS = 3-11]			
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 1-8]			
* Spleen		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 1-8]			

PRIMARY CAUSE OF DEATH - Spleen Leukemia Mononuclear

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05135-07

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Isoprene

CAS Number: 78-79-5

Date Report Requested: 10/22/2014

Time Report Requested: 18:27:43

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 9	TRT#: 1 DOSE: CONTROL	SEX: Male DISP: Moribund Sacrifice	DAY ON TEST: 652 HISTO: 33204
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ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Bone	* Brain	* Epididymis	* Esophagus
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Larynx
* Lymph Node, Bronchial	* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Mammary Gland
* Nose	* Parathyroid Gland	* Preputial Gland	* Prostate
* Salivary Glands	* Seminal Vesicle	* Skin	* Stomach, Glandular
* Trachea	* Urinary Bladder		

MISSING

* Lymph Node, Mediastinal	* Thymus
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OBSERVATIONS

* Adrenal Cortex		Hypertrophy	Mild
		Leukemia Mononuclear	
* Adrenal Medulla		Leukemia Mononuclear	
		Pheochromocytoma Benign	
* Bone Marrow		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 1-8]			
* Heart		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 1-8]			
* Kidney		Leukemia Mononuclear	
		Nephropathy	Moderate
[Leukemia Mononuclear TGLS = 1-8]			
* Liver		Fatty Change	Moderate
	Bile Duct	Hyperplasia	Mild
		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 4-4]			
* Lung		Leukemia Mononuclear	
* Pancreas		Atrophy	Moderate
* Pituitary Gland	Pars Distalis	Adenoma	
		Leukemia Mononuclear	
* Spleen		Fibrosis	Minimal

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05135-07

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Isoprene

CAS Number: 78-79-5

Date Report Requested: 10/22/2014

Time Report Requested: 18:27:43

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 9	TRT#: 1 DOSE: CONTROL	SEX: Male DISP: Moribund Sacrifice	DAY ON TEST: 652 HISTO: 33204
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ORGAN AND ACCOUNTABLE SITE STATUS			
		Leukemia Mononuclear Necrosis	Mild
[Leukemia Mononuclear TGLS = 2-11] [Necrosis TGLS = 1-11]			
* Stomach, Forestomach [Necrosis TGLS = 5-8]		Necrosis	Moderate
* Testes [Adenoma TGLS = 3-7]	Interstit Cell Interstit Cell	Adenoma Hyperplasia	Mild
* Thyroid Gland	C Cell	Hyperplasia	Mild

PRIMARY CAUSE OF DEATH	- Spleen Leukemia Mononuclear
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* PROTOCOL REQUIRED TISSUE

Experiment Number: 05135-07

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Isoprene

CAS Number: 78-79-5

Date Report Requested: 10/22/2014

Time Report Requested: 18:27:43

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 10

TRT#: 1

SEX: Male

DAY ON TEST: 733

DOSE: CONTROL

DISP: Terminal Sacrifice

HISTO: 33205

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Bone	* Bone Marrow	* Brain	* Epididymis
* Esophagus	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Larynx	* Lymph Node, Bronchial	* Lymph Node, Mandibular	* Lymph Node, Mediastinal
* Lymph Node, Mesenteric	* Mammary Gland	* Nose	* Pancreas
* Parathyroid Gland	* Prostate	* Salivary Glands	* Seminal Vesicle
* Skin	* Spleen	* Stomach, Forestomach	* Stomach, Glandular
* Thymus	* Trachea	* Urinary Bladder	

OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Mild
* Adrenal Medulla		Pheochromocytoma Benign	
* Heart		Cardiomyopathy	Mild
* Kidney		Nephropathy	Mild
* Liver		Basophilic Focus	
		Clear Cell Focus	
	Bile Duct	Hyperplasia	Minimal
* Lung		Inflammation	Chronic Active, Mild
* Pituitary Gland	Pars Distalis	Hyperplasia	Moderate
* Preputial Gland		Adenoma	
[Adenoma TGLS = 1-11]			
* Testes	Bilateral, Interstit Cell	Adenoma	
[Adenoma TGLS = 2-7]			
* Thyroid Gland	C Cell	Hyperplasia	Minimal

PRIMARY CAUSE OF DEATH

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* PROTOCOL REQUIRED TISSUE

Experiment Number: 05135-07

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Isoprene

CAS Number: 78-79-5

Date Report Requested: 10/22/2014

Time Report Requested: 18:27:43

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 11

TRT#: 1

SEX: Male

DAY ON TEST: 723

DOSE: CONTROL

DISP: Moribund Sacrifice

HISTO: 33206

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Bone	* Bone Marrow	* Brain	* Epididymis
* Esophagus	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Larynx	* Lung	* Lymph Node, Bronchial	* Lymph Node, Mandibular
* Lymph Node, Mediastinal	* Lymph Node, Mesenteric	* Mammary Gland	* Nose
* Pancreas	* Preputial Gland	* Salivary Glands	* Seminal Vesicle
* Skin	* Spleen	* Stomach, Glandular	* Thymus
* Trachea	* Urinary Bladder		

OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Mild
		Hypertrophy	Mild
* Adrenal Medulla		Pheochromocytoma Benign	
* Heart		Cardiomyopathy	Mild
* Kidney		Nephropathy	Marked
[Nephropathy TGLS = 3,4-5]			
* Liver		Angiectasis	Mild
		Fatty Change	Minimal
[Angiectasis TGLS = 5-11]			
* Parathyroid Gland		Hyperplasia	Mild
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 1-8]			
* Prostate		Inflammation	Chronic Active, Marked
* Stomach, Forestomach		Necrosis	Moderate
* Testes	Interstit Cell	Adenoma	
	Interstit Cell	Hyperplasia	Mild
[Adenoma TGLS = 2-7]			
* Thyroid Gland	C Cell	Hyperplasia	Mild

PRIMARY CAUSE OF DEATH - Pituitary Gland Pars Distalis Adenoma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05135-07

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Isoprene

CAS Number: 78-79-5

Date Report Requested: 10/22/2014

Time Report Requested: 18:27:43

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 12

TRT#: 1

SEX: Male

DAY ON TEST: 235

DOSE: CONTROL

DISP: Moribund Sacrifice

HISTO: 33207

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Brain	* Epididymis	* Esophagus	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Larynx	* Liver
* Lung	* Lymph Node, Bronchial	* Lymph Node, Mandibular	* Lymph Node, Mediastinal
* Lymph Node, Mesenteric	* Mammary Gland	* Nose	* Pancreas
* Pituitary Gland	* Preputial Gland	* Salivary Glands	* Skin
* Spleen	* Stomach, Forestomach	* Stomach, Glandular	* Testes
* Thymus	* Thyroid Gland	* Trachea	

MISSING

* Parathyroid Gland

OBSERVATIONS

* Heart		Cardiomyopathy	Minimal
* Kidney		Nephropathy	Minimal
* Prostate		Inflammation	Chronic Active, Marked
* Seminal Vesicle		Inflammation	Chronic Active, Mild
Tissue NOS		Schwannoma Malignant	
Note: "Tissue NOS" was retroperitoneal, cystic, and blood-filled, lying along ventral surface of vertebral column. [Schwannoma Malignant TGLS = 1-11]			
* Urinary Bladder	Transit Epithe	Hyperplasia	Minimal

PRIMARY CAUSE OF DEATH

- Tissue NOS Schwannoma Malignant

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05135-07

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Isoprene

CAS Number: 78-79-5

Date Report Requested: 10/22/2014

Time Report Requested: 18:27:43

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 13

TRT#: 1

SEX: Male

DAY ON TEST: 733

DOSE: CONTROL

DISP: Terminal Sacrifice

HISTO: 33208

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Bone	* Brain	* Esophagus	* Heart
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Larynx
* Lymph Node, Bronchial	* Lymph Node, Mandibular	* Lymph Node, Mediastinal	* Lymph Node, Mesenteric
* Mammary Gland	* Nose	* Parathyroid Gland	* Salivary Glands
* Seminal Vesicle	* Skin	* Stomach, Forestomach	* Stomach, Glandular
* Thymus	* Thyroid Gland	* Trachea	* Urinary Bladder

OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Mild
* Adrenal Medulla	Bilateral	Pheochromocytoma Benign	
* Bone Marrow		Leukemia Mononuclear	
* Epididymis		Mesothelioma Malignant	
* Kidney		Leukemia Mononuclear	
		Nephropathy	Mild
* Liver		Leukemia Mononuclear	
* Lung	Alveolar Epith	Hyperplasia	Minimal
		Inflammation	Chronic Active, Mild
		Leukemia Mononuclear	
* Pancreas		Atrophy	Mild
		Mesothelioma Malignant	
Peritoneum		Mesothelioma Malignant	
[Mesothelioma Malignant TGLS = 2,4-12]			
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 7-8]			
* Preputial Gland		Carcinoma	
[Carcinoma TGLS = 1-13]			
* Prostate		Hyperplasia	Mild
* Spleen		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 5,6-11]			
* Testes	Bilateral, Interstit Cell	Adenoma	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05135-07

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Isoprene

CAS Number: 78-79-5

Date Report Requested: 10/22/2014

Time Report Requested: 18:27:43

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 13

TRT#: 1

SEX: Male

DAY ON TEST: 733

DOSE: CONTROL

DISP: Terminal Sacrifice

HISTO: 33208

ORGAN AND ACCOUNTABLE SITE STATUS

Mesothelioma Malignant

[Adenoma TGLS = 3-7]

[Mesothelioma Malignant TGLS = 5,6-11]

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05135-07

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Isoprene

CAS Number: 78-79-5

Date Report Requested: 10/22/2014

Time Report Requested: 18:27:43

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 14

TRT#: 1

SEX: Male

DAY ON TEST: 704

DOSE: CONTROL

DISP: Natural Death

HISTO: 33209

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Bone	* Bone Marrow	* Brain	* Epididymis
* Esophagus	* Intestine Large, Colon	* Intestine Small, Duodenum	* Islets, Pancreatic
* Larynx	* Lung	* Lymph Node, Bronchial	* Lymph Node, Mandibular
* Lymph Node, Mediastinal	* Lymph Node, Mesenteric	* Nose	* Parathyroid Gland
* Preputial Gland	* Salivary Glands	* Skin	* Stomach, Forestomach
* Stomach, Glandular	* Thymus	* Trachea	* Urinary Bladder

MISSING

* Mammary Gland

AUTO PRECLUDES DIAG.

* Intestine Large, Cecum	* Intestine Large, Rectum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Seminal Vesicle			

OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Minimal
* Adrenal Medulla		Hyperplasia	Mild
* Heart		Cardiomyopathy	Moderate
* Kidney		Nephropathy	Marked
[Nephropathy TGLS = 5,6-5]			
* Liver		Basophilic Focus	
[Basophilic Focus TGLS = 5,6-5]			
* Pancreas		Adenoma	
		Hyperplasia	Mild
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 4-8]			
* Prostate		Hyperplasia	Mild
* Spleen		Fibrosis	Mild
		Leukemia Mononuclear	
[Fibrosis TGLS = 3-11]			
[Leukemia Mononuclear TGLS = 3-11]			
* Testes	Artery	Inflammation	Chronic Active, Moderate
* Thyroid Gland	Follicular Cel	Adenoma	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05135-07

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Isoprene

CAS Number: 78-79-5

Date Report Requested: 10/22/2014

Time Report Requested: 18:27:43

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 14

TRT#: 1

SEX: Male

DAY ON TEST: 704

DOSE: CONTROL

DISP: Natural Death

HISTO: 33209

ORGAN AND ACCOUNTABLE SITE STATUS

PRIMARY CAUSE OF DEATH

- Pituitary Gland Pars Distalis Adenoma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05135-07

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Isoprene

CAS Number: 78-79-5

Date Report Requested: 10/22/2014

Time Report Requested: 18:27:43

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 15

TRT#: 1

SEX: Male

DAY ON TEST: 600

DOSE: CONTROL

DISP: Moribund Sacrifice

HISTO: 33210

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

* Heart		Cardiomyopathy	Mild
* Kidney		Nephropathy	Mild
* Liver		Basophilic Focus	
		Degeneration	Cystic, Minimal
		Fatty Change	Minimal
	Bile Duct	Hyperplasia	Minimal
* Pancreas		Adenoma	
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 2-8]			
* Spleen		Fibrosis	Minimal
[Fibrosis TGLS = 3-4]			
* Stomach, Forestomach		Inflammation	Acute, Minimal
* Thyroid Gland	C Cell	Hyperplasia	Minimal

PRIMARY CAUSE OF DEATH

- Pituitary Gland Pars Distalis Adenoma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05135-07

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Isoprene

CAS Number: 78-79-5

Date Report Requested: 10/22/2014

Time Report Requested: 18:27:43

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 16

TRT#: 1

SEX: Male

DAY ON TEST: 728

DOSE: CONTROL

DISP: Moribund Sacrifice

HISTO: 33211

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Bone	* Brain	* Epididymis
* Esophagus	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Larynx	* Mammary Gland	* Nose	* Parathyroid Gland
* Preputial Gland	* Prostate	* Salivary Glands	* Seminal Vesicle
* Skin	* Stomach, Forestomach	* Thymus	* Trachea
* Urinary Bladder			

OBSERVATIONS

* Adrenal Medulla		Hyperplasia	Mild
		Pheochromocytoma Benign	
* Bone Marrow		Leukemia Mononuclear	
* Heart		Cardiomyopathy	Moderate
	Atrium	Thrombosis	Marked
	[Thrombosis TGLS = 9-11]		
* Kidney		Nephropathy	Moderate
	[Nephropathy TGLS = 6-5]		
* Liver		Degeneration	Cystic, Marked
	Bile Duct	Hyperplasia	Moderate
	Centrilobular	Leukemia Mononuclear	
	[Degeneration TGLS = 10-12]	Necrosis	Moderate
	[Leukemia Mononuclear TGLS = 5-4]		
* Lung		Inflammation	Chronic Active, Mild
		Leukemia Mononuclear	
Lymph Node		Leukemia Mononuclear	
	Note: Lymph node with no site listed was axillary.		
	[Leukemia Mononuclear TGLS = 2-13]		
* Lymph Node, Bronchial		Leukemia Mononuclear	
* Lymph Node, Mandibular		Leukemia Mononuclear	
* Lymph Node, Mediastinal		Leukemia Mononuclear	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05135-07
Test Type: CHRONIC
Species/Strain: Rat/F 344/N

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

Date Report Requested: 10/22/2014
Time Report Requested: 18:27:43
First Dose M/F: NA / NA
Lab: BNW

ANIMAL ID: 16	TRT#: 1 DOSE: CONTROL	SEX: Male DISP: Moribund Sacrifice	DAY ON TEST: 728 HISTO: 33211
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ORGAN AND ACCOUNTABLE SITE STATUS

[Leukemia Mononuclear TGLS = 8-2]			
* Lymph Node, Mesenteric		Leukemia Mononuclear	
* Pancreas		Atrophy	Mild
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 3-8]			
* Spleen		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 4-4]			
* Stomach, Glandular		Necrosis	Minimal
* Testes	Bilateral, Interstit Cell	Adenoma	
[Adenoma TGLS = 7-7]			
* Thyroid Gland	C Cell	Hyperplasia	Moderate
PRIMARY CAUSE OF DEATH	- Spleen	Leukemia Mononuclear	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05135-07

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Isoprene

CAS Number: 78-79-5

Date Report Requested: 10/22/2014

Time Report Requested: 18:27:43

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 17

TRT#: 1

SEX: Male

DAY ON TEST: 468

DOSE: CONTROL

DISP: Moribund Sacrifice

HISTO: 33212

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Bone	* Epididymis	* Esophagus	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Larynx	* Mammary Gland	* Nose
* Pancreas	* Parathyroid Gland	* Preputial Gland	* Prostate
* Salivary Glands	* Seminal Vesicle	* Skin	* Stomach, Forestomach
* Stomach, Glandular	* Thymus	* Trachea	* Urinary Bladder

OBSERVATIONS

* Adrenal Cortex		Leukemia Mononuclear	
* Adrenal Medulla		Hyperplasia	Minimal
* Bone Marrow		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 8-2]			
* Brain		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 5,6-11+12+1]			
* Heart		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 5,6-11+12+1]			
* Intestine Small, Duodenum		Necrosis	Mild
* Kidney		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 5,6-11+12+1]		Nephropathy	Mild
* Liver	Bile Duct	Hyperplasia	Mild
[Leukemia Mononuclear TGLS = 4-4]		Leukemia Mononuclear	
* Lung		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 1-13]			
Lymph Node	Pancreatic	Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 3-15]			
* Lymph Node, Bronchial		Leukemia Mononuclear	
* Lymph Node, Mandibular		Leukemia Mononuclear	
* Lymph Node, Mediastinal		Leukemia Mononuclear	
* Lymph Node, Mesenteric		Leukemia Mononuclear	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05135-07

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Isoprene

CAS Number: 78-79-5

Date Report Requested: 10/22/2014

Time Report Requested: 18:27:43

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 17

TRT#: 1

SEX: Male

DAY ON TEST: 468

DOSE: CONTROL

DISP: Moribund Sacrifice

HISTO: 33212

ORGAN AND ACCOUNTABLE SITE STATUS

* Pituitary Gland

Pars Distalis

Hyperplasia

Mild

Leukemia Mononuclear

[Leukemia Mononuclear TGLS = 3-15]

* Spleen

Leukemia Mononuclear

[Leukemia Mononuclear TGLS = 2-14]

* Testes

Interstit Cell

Adenoma

Interstit Cell

Hyperplasia

Marked

* Thyroid Gland

C Cell

Hyperplasia

Minimal

PRIMARY CAUSE OF DEATH

- Spleen Leukemia Mononuclear

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05135-07

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Isoprene

CAS Number: 78-79-5

Date Report Requested: 10/22/2014

Time Report Requested: 18:27:43

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 18

TRT#: 1

SEX: Male

DAY ON TEST: 482

DOSE: CONTROL

DISP: Moribund Sacrifice

HISTO: 33213

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Brain	* Epididymis	* Esophagus	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Larynx	* Lymph Node, Bronchial
* Lymph Node, Mandibular	* Parathyroid Gland	* Pituitary Gland	* Preputial Gland
* Prostate	* Salivary Glands	* Seminal Vesicle	* Skin
* Stomach, Forestomach	* Stomach, Glandular	* Trachea	* Urinary Bladder

MISSING

* Mammary Gland

OBSERVATIONS

* Heart		Cardiomyopathy	Minimal
* Kidney		Leukemia Mononuclear	
		Nephropathy	Mild
* Liver	Bile Duct	Hyperplasia	Mild
		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLS = 2-4]		
* Lung		Inflammation	Chronic Active, Marked
		Leukemia Mononuclear	
	[Inflammation TGLS = 4-3+3A]		
* Lymph Node, Mediastinal		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLS = 3-2]		
* Lymph Node, Mesenteric		Leukemia Mononuclear	
* Nose		Inflammation	Suppurative, Minimal
	Olfactory Epi	Metaplasia	Minimal
* Pancreas		Atrophy	Minimal
* Spleen		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLS = 1-12]		
* Testes	Bilateral, Interstit Cell	Adenoma	
	[Adenoma TGLS = 5-7]		
* Thymus		Leukemia Mononuclear	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05135-07

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Isoprene

CAS Number: 78-79-5

Date Report Requested: 10/22/2014

Time Report Requested: 18:27:43

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 18

TRT#: 1

SEX: Male

DAY ON TEST: 482

DOSE: CONTROL

DISP: Moribund Sacrifice

HISTO: 33213

ORGAN AND ACCOUNTABLE SITE STATUS

[Leukemia Mononuclear TGLS = 5-7]

* Thyroid Gland

C Cell

Adenoma

PRIMARY CAUSE OF DEATH

- Spleen Leukemia Mononuclear

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05135-07

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Isoprene

CAS Number: 78-79-5

Date Report Requested: 10/22/2014

Time Report Requested: 18:27:43

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 19

TRT#: 1

SEX: Male

DAY ON TEST: 592

DOSE: CONTROL

DISP: Moribund Sacrifice

HISTO: 33214

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Bone	* Brain	* Epididymis	* Esophagus
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Larynx
* Lymph Node, Bronchial	* Lymph Node, Mandibular	* Mammary Gland	* Pancreas
* Parathyroid Gland	* Preputial Gland	* Prostate	* Salivary Glands
* Seminal Vesicle	* Skin	* Thyroid Gland	* Trachea
* Urinary Bladder			

OBSERVATIONS

* Adrenal Cortex		Leukemia Mononuclear	
* Adrenal Medulla		Leukemia Mononuclear	
* Bone Marrow		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 3-2]			
* Heart		Cardiomyopathy	Minimal
	Atrium	Thrombosis	Mild
* Kidney		Leukemia Mononuclear	
		Nephropathy	Mild
* Liver		Hyperplasia	Mild
	Bile Duct	Leukemia Mononuclear	
	Centrilobular	Necrosis	Mild
[Leukemia Mononuclear TGLS = 1-4]			
* Lung		Leukemia Mononuclear	
* Lymph Node, Mediastinal		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 5-13]			
* Lymph Node, Mesenteric		Leukemia Mononuclear	
* Nose		Leukemia Mononuclear	
		Thrombosis	Minimal
* Pituitary Gland		Leukemia Mononuclear	
* Spleen		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 2-11]			
* Stomach, Forestomach		Necrosis	Moderate

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05135-07

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Isoprene

CAS Number: 78-79-5

Date Report Requested: 10/22/2014

Time Report Requested: 18:27:43

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 19

TRT#: 1

SEX: Male

DAY ON TEST: 592

DOSE: CONTROL

DISP: Moribund Sacrifice

HISTO: 33214

ORGAN AND ACCOUNTABLE SITE STATUS

[Necrosis TGLS = 4-8+12]

* Stomach, Glandular

Leukemia Mononuclear

[Leukemia Mononuclear TGLS = 5-13]

* Testes

Bilateral, Interstit Cell

Adenoma

[Adenoma TGLS = 3-7]

* Thymus

Leukemia Mononuclear

[Leukemia Mononuclear TGLS = 3-7]

PRIMARY CAUSE OF DEATH

- Spleen Leukemia Mononuclear

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05135-07

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Isoprene

CAS Number: 78-79-5

Date Report Requested: 10/22/2014

Time Report Requested: 18:27:43

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 20

TRT#: 1

SEX: Male

DAY ON TEST: 686

DOSE: CONTROL

DISP: Moribund Sacrifice

HISTO: 33215

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Mild
* Heart		Cardiomyopathy	Mild
* Kidney		Nephropathy	Marked
[Nephropathy TGLS = 2-5]			
* Liver		Basophilic Focus	
[Basophilic Focus TGLS = 2-5]		Fatty Change	Minimal
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 1-8]			
* Stomach, Forestomach		Necrosis	Mild
* Testes		Atrophy	Moderate
[Atrophy TGLS = 3-7]	Artery	Inflammation	Chronic Active, Moderate
* Thyroid Gland	C Cell	Hyperplasia	Minimal

PRIMARY CAUSE OF DEATH

- Pituitary Gland Pars Distalis Adenoma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05135-07

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Isoprene

CAS Number: 78-79-5

Date Report Requested: 10/22/2014

Time Report Requested: 18:27:43

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 21

TRT#: 1

SEX: Male

DAY ON TEST: 440

DOSE: CONTROL

DISP: Moribund Sacrifice

HISTO: 33216

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Lymph Node, Bronchial

OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Minimal
* Heart		Cardiomyopathy	Mild
* Kidney		Nephropathy	Mild
* Liver		Basophilic Focus	
		Fatty Change	Mild
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 1-8]			
* Stomach, Forestomach		Necrosis	Moderate
[Necrosis TGLS = 2-8+11]			
* Thyroid Gland	C Cell	Hyperplasia	Minimal

PRIMARY CAUSE OF DEATH

- Pituitary Gland Pars Distalis Adenoma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05135-07

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Isoprene

CAS Number: 78-79-5

Date Report Requested: 10/22/2014

Time Report Requested: 18:27:43

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 22

TRT#: 1

SEX: Male

DAY ON TEST: 733

DOSE: CONTROL

DISP: Terminal Sacrifice

HISTO: 33217

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Bone	* Bone Marrow	* Brain	* Epididymis
* Esophagus	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Larynx	* Lymph Node, Bronchial	* Lymph Node, Mandibular	* Lymph Node, Mediastinal
* Lymph Node, Mesenteric	* Mammary Gland	* Nose	* Parathyroid Gland
* Preputial Gland	* Prostate	* Salivary Glands	* Seminal Vesicle
* Skin	* Spleen	* Stomach, Forestomach	* Stomach, Glandular
* Thymus	* Trachea	* Urinary Bladder	

OBSERVATIONS

* Adrenal Cortex		Hypertrophy	Mild
* Adrenal Medulla		Hyperplasia	Moderate
* Heart		Cardiomyopathy	Minimal
* Kidney		Nephropathy	Moderate
[Nephropathy TGLS = 3-5]			
* Liver		Basophilic Focus	
[Basophilic Focus TGLS = 3-5]			
* Lung		Inflammation	Chronic Active, Moderate
* Pancreas		Atrophy	Moderate
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 1-8]			
* Testes	Bilateral, Interstit Cell	Adenoma	
	Artery	Inflammation	Chronic Active, Mild
[Adenoma TGLS = 2-7]			
* Thyroid Gland	C Cell	Carcinoma	
[Carcinoma TGLS = 4-2]			

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05135-07

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Isoprene

CAS Number: 78-79-5

Date Report Requested: 10/22/2014

Time Report Requested: 18:27:43

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 23

TRT#: 1

SEX: Male

DAY ON TEST: 547

DOSE: CONTROL

DISP: Moribund Sacrifice

HISTO: 33218

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Mild
* Kidney		Nephropathy	Moderate
[Nephropathy TGLS = 3-5]			
* Liver		Fatty Change	Minimal
	Bile Duct	Hyperplasia	Minimal
* Lung	Alveolar Epith	Hyperplasia	Minimal
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 2-8]			
* Preputial Gland		Inflammation	Chronic Active, Marked
[Inflammation TGLS = 1-11]			
* Stomach, Forestomach		Necrosis	Moderate
[Necrosis TGLS = 4-12]			
* Testes	Interstit Cell	Hyperplasia	Minimal
* Thyroid Gland	C Cell	Hyperplasia	Minimal

PRIMARY CAUSE OF DEATH

- Pituitary Gland Pars Distalis Adenoma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05135-07

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Isoprene

CAS Number: 78-79-5

Date Report Requested: 10/22/2014

Time Report Requested: 18:27:43

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 24

TRT#: 1

SEX: Male

DAY ON TEST: 733

DOSE: CONTROL

DISP: Terminal Sacrifice

HISTO: 33219

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Bone	* Bone Marrow	* Brain	* Epididymis
* Esophagus	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Larynx	* Lymph Node, Bronchial	* Lymph Node, Mandibular	* Lymph Node, Mediastinal
* Lymph Node, Mesenteric	* Nose	* Pancreas	* Parathyroid Gland
* Prostate	* Salivary Glands	* Seminal Vesicle	* Stomach, Forestomach
* Thymus	* Thyroid Gland	* Trachea	* Urinary Bladder

OBSERVATIONS

* Adrenal Cortex		Vacuolization Cytoplasmic	Mild
* Adrenal Medulla		Hyperplasia	Mild
		Pheochromocytoma Benign	
* Heart		Cardiomyopathy	Mild
* Kidney		Nephropathy	Moderate
	[Nephropathy TGLS = 4-5]		
* Liver		Basophilic Focus	
		Hematopoietic Cell Proliferation	Mild
	[Basophilic Focus TGLS = 4-5]	Hyperplasia	Minimal
* Lung		Alveolar Epith	Minimal
	[Hyperplasia TGLS = 7-11]	Hyperplasia	Chronic Active, Minimal
	[Ectasia TGLS = 5-15]	Inflammation	
* Mammary Gland		Iliac	Moderate
	[Galactoceles TGLS = 2-16]		
* Pituitary Gland		Pars Distalis	Moderate
	[Adenoma TGLS = 3-8]		
* Preputial Gland			
	[Carcinoma TGLS = 1-13]		
* Skin			
		Basal Cell Adenoma	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05135-07

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Isoprene

CAS Number: 78-79-5

Date Report Requested: 10/22/2014

Time Report Requested: 18:27:43

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 24

TRT#: 1

SEX: Male

DAY ON TEST: 733

DOSE: CONTROL

DISP: Terminal Sacrifice

HISTO: 33219

ORGAN AND ACCOUNTABLE SITE STATUS

[Basal Cell Adenoma TGLS = 6-17]

* Spleen

Hematopoietic Cell Proliferation

Mild

* Stomach, Glandular

Mineralization

Minimal

* Testes

Interstit Cell

Hyperplasia

Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05135-07

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Isoprene

CAS Number: 78-79-5

Date Report Requested: 10/22/2014

Time Report Requested: 18:27:43

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 25

TRT#: 1

SEX: Male

DAY ON TEST: 539

DOSE: CONTROL

DISP: Moribund Sacrifice

HISTO: 33220

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- | | | | |
|----------------------------|---------------------------|-----------------------------|--------------------------|
| * Bone Marrow | * Brain | * Esophagus | * Intestine Large, Cecum |
| * Intestine Large, Colon | * Intestine Large, Rectum | * Intestine Small, Duodenum | * Intestine Small, Ileum |
| * Intestine Small, Jejunum | * Islets, Pancreatic | * Larynx | * Lung |
| * Lymph Node, Bronchial | * Lymph Node, Mandibular | * Lymph Node, Mediastinal | * Lymph Node, Mesenteric |
| * Mammary Gland | * Nose | * Pancreas | * Preputial Gland |
| * Prostate | * Salivary Glands | * Seminal Vesicle | * Skin |
| * Spleen | * Stomach, Forestomach | * Thymus | * Trachea |
| * Urinary Bladder | | | |

OBSERVATIONS

- | | | | |
|--|---------------|-------------------------|----------|
| * Adrenal Cortex | | Hyperplasia | Mild |
| * Adrenal Medulla | Bilateral | Pheochromocytoma Benign | |
| * Bone | | Fibrous Osteodystrophy | Minimal |
| * Epididymis | | Mesothelioma Malignant | |
| [Mesothelioma Malignant TGLS = 4-11] | | | |
| * Heart | | Cardiomyopathy | Mild |
| * Kidney | | Nephropathy | Marked |
| [Nephropathy TGLS = 3-5] | | | |
| * Liver | | Basophilic Focus | |
| [Basophilic Focus TGLS = 3-5] | | Fatty Change | Moderate |
| * Parathyroid Gland | | Hyperplasia | Mild |
| * Pituitary Gland | Pars Distalis | Adenoma | |
| [Adenoma TGLS = 2-8] | | | |
| * Stomach, Glandular | | Mineralization | Moderate |
| [Necrosis TGLS = 5-8+12] | | Necrosis | Moderate |
| * Testes | | Mesothelioma Malignant | |
| [Mesothelioma Malignant TGLS = 2-8] | | | |
| * Thyroid Gland | C Cell | Adenoma | |

PRIMARY CAUSE OF DEATH - Testes Mesothelioma Malignant

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05135-07

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Isoprene

CAS Number: 78-79-5

Date Report Requested: 10/22/2014

Time Report Requested: 18:27:43

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 26

TRT#: 1

SEX: Male

DAY ON TEST: 555

DOSE: CONTROL

DISP: Moribund Sacrifice

HISTO: 33221

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Bone Marrow	* Brain
* Epididymis	* Esophagus	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Larynx	* Lung	* Lymph Node, Bronchial
* Lymph Node, Mandibular	* Lymph Node, Mediastinal	* Lymph Node, Mesenteric	* Mammary Gland
* Parathyroid Gland	* Preputial Gland	* Prostate	* Salivary Glands
* Seminal Vesicle	* Skin	* Spleen	* Stomach, Forestomach
* Testes	* Thymus	* Trachea	* Urinary Bladder

OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Mild
* Heart		Cardiomyopathy	Minimal
* Kidney		Nephropathy	Moderate
* Liver	Bile Duct	Hyperplasia	Minimal
* Nose		Inflammation	Suppurative, Minimal
* Pancreas		Atrophy	Mild
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 1-8]			
* Stomach, Glandular		Necrosis	Minimal
* Thyroid Gland	C Cell	Hyperplasia	Minimal

PRIMARY CAUSE OF DEATH

- Pituitary Gland Pars Distalis Adenoma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05135-07

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Isoprene

CAS Number: 78-79-5

Date Report Requested: 10/22/2014

Time Report Requested: 18:27:43

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 27

TRT#: 1

SEX: Male

DAY ON TEST: 675

DOSE: CONTROL

DISP: Natural Death

HISTO: 33222

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Bone	* Bone Marrow	* Brain	* Epididymis
* Esophagus	* Intestine Large, Colon	* Islets, Pancreatic	* Larynx
* Lung	* Lymph Node, Bronchial	* Lymph Node, Mandibular	* Lymph Node, Mediastinal
* Lymph Node, Mesenteric	* Mammary Gland	* Nose	* Pancreas
* Parathyroid Gland	* Preputial Gland	* Salivary Glands	* Seminal Vesicle
* Skin	* Stomach, Forestomach	* Stomach, Glandular	* Thymus
* Thyroid Gland	* Trachea	* Urinary Bladder	

AUTO PRECLUDES DIAG.

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

OBSERVATIONS

* Adrenal Cortex		Hypertrophy	Mild
* Adrenal Medulla		Hyperplasia	Marked
* Heart		Cardiomyopathy	Moderate
* Kidney		Nephropathy	Mild
* Liver		Degeneration	Cystic, Mild
	Bile Duct	Hyperplasia	Minimal
* Pituitary Gland	Pars Distalis	Hyperplasia	Mild
* Prostate		Hyperplasia	Mild
* Spleen		Fibrosis	Mild
[Fibrosis TGLS = 4-4]			
* Testes	Bilateral, Interstit Cell	Adenoma	
[Adenoma TGLS = 2,3-7]			

PRIMARY CAUSE OF DEATH

- UNCERTAIN

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05135-07

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Isoprene

CAS Number: 78-79-5

Date Report Requested: 10/22/2014

Time Report Requested: 18:27:43

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 28

TRT#: 1

SEX: Male

DAY ON TEST: 733

DOSE: CONTROL

DISP: Terminal Sacrifice

HISTO: 33223

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Bone Marrow	* Brain	* Epididymis	* Esophagus
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Larynx	* Lymph Node, Bronchial	* Lymph Node, Mandibular	* Lymph Node, Mediastinal
* Lymph Node, Mesenteric	* Preputial Gland	* Salivary Glands	* Seminal Vesicle
* Skin	* Spleen	* Thymus	* Thyroid Gland
* Trachea	* Urinary Bladder		

OBSERVATIONS

* Adrenal Cortex		Atrophy	Marked
* Adrenal Medulla	Bilateral	Pheochromocytoma Benign	
* Bone		Fibrous Osteodystrophy	Moderate
* Heart		Cardiomyopathy	Moderate
	Artery	Mineralization	Minimal
* Intestine Large, Cecum		Inflammation	Acute, Mild
* Intestine Small, Duodenum		Inflammation	Acute, Mild
* Islets, Pancreatic		Adenoma	
* Kidney		Nephropathy	Marked
	[Nephropathy TGLS = 9-5]		
* Liver		Basophilic Focus	
		Degeneration	Cystic, Minimal
	Bile Duct	Hyperplasia	Mild
		Mineralization	Mild
	[Basophilic Focus TGLS = 9-5]		
	[Mineralization TGLS = 8-11]		
* Lung		Inflammation	Chronic Active, Minimal
* Mammary Gland		Galactocele	Moderate
	[Galactocele TGLS = 3-13]		
* Nose		Inflammation	Suppurative, Minimal
* Pancreas		Atrophy	Minimal
* Parathyroid Gland		Hyperplasia	Moderate
* Pituitary Gland	Pars Distalis	Adenoma	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05135-07

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Isoprene

CAS Number: 78-79-5

Date Report Requested: 10/22/2014

Time Report Requested: 18:27:43

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 28

TRT#: 1

SEX: Male

DAY ON TEST: 733

DOSE: CONTROL

DISP: Terminal Sacrifice

HISTO: 33223

ORGAN AND ACCOUNTABLE SITE STATUS

[Adenoma TGLS = 4-8]

* Prostate

Carcinoma

[Carcinoma TGLS = 5-12]

* Stomach, Forestomach

Necrosis

Moderate

* Stomach, Glandular

Mineralization

Minimal

* Testes

Bilateral, Interstit Cell

Adenoma

[Adenoma TGLS = 6,7-7]

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05135-07

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Isoprene

CAS Number: 78-79-5

Date Report Requested: 10/22/2014

Time Report Requested: 18:27:43

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 29

TRT#: 1

SEX: Male

DAY ON TEST: 659

DOSE: CONTROL

DISP: Natural Death

HISTO: 33224

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- | | | | |
|-----------------------------|----------------------|-------------------|--------------------------|
| * Bone | * Epididymis | * Esophagus | * Intestine Large, Cecum |
| * Intestine Small, Duodenum | * Islets, Pancreatic | * Larynx | * Mammary Gland |
| * Nose | * Preputial Gland | * Salivary Glands | * Skin |
| * Thyroid Gland | * Trachea | * Urinary Bladder | |

AUTO PRECLUDES DIAG.

- | | | | |
|--------------------------|---------------------------|--------------------------|----------------------------|
| * Intestine Large, Colon | * Intestine Large, Rectum | * Intestine Small, Ileum | * Intestine Small, Jejunum |
| * Seminal Vesicle | | | |

OBSERVATIONS

- | | | | |
|-------------------------------------|-----------|-------------------------|----------|
| * Adrenal Cortex | | Leukemia Mononuclear | |
| * Adrenal Medulla | | Leukemia Mononuclear | |
| | Bilateral | Pheochromocytoma Benign | |
| * Bone Marrow | | Leukemia Mononuclear | |
| * Brain | | Leukemia Mononuclear | |
| [Leukemia Mononuclear TGLS = 3-1] | | | |
| * Heart | | Leukemia Mononuclear | |
| [Leukemia Mononuclear TGLS = 3-1] | | | |
| * Kidney | | Leukemia Mononuclear | |
| | | Nephropathy | Moderate |
| [Leukemia Mononuclear TGLS = 3-1] | | | |
| * Liver | Bile Duct | Hyperplasia | Moderate |
| | | Leukemia Mononuclear | |
| [Leukemia Mononuclear TGLS = 2-4] | | | |
| * Lung | | Leukemia Mononuclear | |
| * Lymph Node, Bronchial | | Leukemia Mononuclear | |
| * Lymph Node, Mandibular | | Leukemia Mononuclear | |
| * Lymph Node, Mediastinal | | Leukemia Mononuclear | |
| [Leukemia Mononuclear TGLS = 4-8] | | | |
| * Lymph Node, Mesenteric | | Leukemia Mononuclear | |
| * Pancreas | | Atrophy | Mild |
| * Parathyroid Gland | | Leukemia Mononuclear | |

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05135-07

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Isoprene

CAS Number: 78-79-5

Date Report Requested: 10/22/2014

Time Report Requested: 18:27:43

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 29

TRT#: 1

SEX: Male

DAY ON TEST: 659

DOSE: CONTROL

DISP: Natural Death

HISTO: 33224

ORGAN AND ACCOUNTABLE SITE STATUS

* Pituitary Gland

Leukemia Mononuclear

* Prostate

Hyperplasia

Minimal

* Spleen

Fibrosis

Mild

Leukemia Mononuclear

[Leukemia Mononuclear TGLS = 1-11]

* Stomach, Forestomach

Necrosis

Minimal

* Stomach, Glandular

Necrosis

Mild

[Necrosis TGLS = 4-8]

* Testes

Interstit Cell

Hyperplasia

Mild

* Thymus

Leukemia Mononuclear

PRIMARY CAUSE OF DEATH

- Spleen Leukemia Mononuclear

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05135-07

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Isoprene

CAS Number: 78-79-5

Date Report Requested: 10/22/2014

Time Report Requested: 18:27:43

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 30

TRT#: 1

SEX: Male

DAY ON TEST: 597

DOSE: CONTROL

DISP: Moribund Sacrifice

HISTO: 33225

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Brain
* Epididymis	* Esophagus	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Larynx	* Lymph Node, Mandibular	* Mammary Gland
* Nose	* Pancreas	* Parathyroid Gland	* Prostate
* Salivary Glands	* Seminal Vesicle	* Skin	* Stomach, Forestomach
* Stomach, Glandular	* Thymus	* Trachea	* Urinary Bladder

MISSING

* Lymph Node, Mediastinal

OBSERVATIONS

* Bone Marrow		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 4-8]			
* Heart		Cardiomyopathy	Minimal
* Kidney		Leukemia Mononuclear	
		Nephropathy	Mild
* Liver		Leukemia Mononuclear	
	Centrilobular	Necrosis	Mild
[Leukemia Mononuclear TGLS = 4-4]			
* Lung		Leukemia Mononuclear	
* Lymph Node, Bronchial		Leukemia Mononuclear	
* Lymph Node, Mesenteric		Leukemia Mononuclear	
* Pituitary Gland		Leukemia Mononuclear	
* Preputial Gland		Adenoma	
[Adenoma TGLS = 1-12]			
* Spleen		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 2-11]			
* Testes	Interstit Cell	Adenoma	
	Interstit Cell	Hyperplasia	Mild
[Adenoma TGLS = 3-7]			
* Thyroid Gland	C Cell	Hyperplasia	Minimal

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05135-07

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Isoprene

CAS Number: 78-79-5

Date Report Requested: 10/22/2014

Time Report Requested: 18:27:43

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 30

TRT#: 1

SEX: Male

DAY ON TEST: 597

DOSE: CONTROL

DISP: Moribund Sacrifice

HISTO: 33225

ORGAN AND ACCOUNTABLE SITE STATUS

PRIMARY CAUSE OF DEATH

- Spleen Leukemia Mononuclear

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05135-07

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Isoprene

CAS Number: 78-79-5

Date Report Requested: 10/22/2014

Time Report Requested: 18:27:43

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 31

TRT#: 1

SEX: Male

DAY ON TEST: 734

DOSE: CONTROL

DISP: Terminal Sacrifice

HISTO: 33226

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Bone	* Bone Marrow	* Brain	* Esophagus
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Larynx
* Lymph Node, Bronchial	* Lymph Node, Mandibular	* Lymph Node, Mediastinal	* Lymph Node, Mesenteric
* Nose	* Parathyroid Gland	* Pituitary Gland	* Preputial Gland
* Salivary Glands	* Seminal Vesicle	* Skin	* Stomach, Forestomach
* Stomach, Glandular	* Thymus	* Trachea	* Urinary Bladder

MISSING

* Mammary Gland

OBSERVATIONS

* Adrenal Cortex		Hypertrophy	Mild
* Adrenal Medulla		Hyperplasia	Mild
* Epididymis		Mesothelioma Benign	
* Heart		Cardiomyopathy	Mild
* Kidney		Nephropathy	Moderate
[Nephropathy TGLS = 5-5]			
* Liver		Basophilic Focus	
	Bile Duct	Hyperplasia	Mild
		Leukemia Mononuclear	
[Basophilic Focus TGLS = 5-5]			
* Lung		Alveolar/Bronchiolar Carcinoma	
		Inflammation	Chronic Active, Mild
		Leukemia Mononuclear	
[Alveolar/Bronchiolar Carcinoma TGLS = 1-3A]			
[Leukemia Mononuclear TGLS = 1-3A]			
* Pancreas		Atrophy	Moderate
* Prostate		Hyperplasia	Mild
* Spleen		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 4-11]			
* Testes	Bilateral, Interstit Cell	Adenoma	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05135-07

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Isoprene

CAS Number: 78-79-5

Date Report Requested: 10/22/2014

Time Report Requested: 18:27:43

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 31

TRT#: 1

SEX: Male

DAY ON TEST: 734

DOSE: CONTROL

DISP: Terminal Sacrifice

HISTO: 33226

ORGAN AND ACCOUNTABLE SITE STATUS

Mesothelioma Benign

[Adenoma TGLS = 2,3-7]

[Mesothelioma Benign TGLS = 2,3-7]

* Thyroid Gland

C Cell

Hyperplasia

Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05135-07

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Isoprene

CAS Number: 78-79-5

Date Report Requested: 10/22/2014

Time Report Requested: 18:27:43

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 32

TRT#: 1

SEX: Male

DAY ON TEST: 733

DOSE: CONTROL

DISP: Terminal Sacrifice

HISTO: 33227

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Bone	* Brain	* Epididymis	* Esophagus
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Larynx	* Mammary Gland
* Parathyroid Gland	* Preputial Gland	* Salivary Glands	* Skin
* Stomach, Forestomach	* Stomach, Glandular	* Thymus	* Trachea

OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Mild
[Leukemia Mononuclear TGLS = 1-7]		Leukemia Mononuclear	
* Adrenal Medulla	Bilateral	Leukemia Mononuclear	
		Pheochromocytoma Benign	
* Bone Marrow		Leukemia Mononuclear	
* Heart		Cardiomyopathy	Moderate
* Islets, Pancreatic		Carcinoma	
* Kidney		Leukemia Mononuclear	
		Nephropathy	Moderate
[Leukemia Mononuclear TGLS = 7-5]			
[Nephropathy TGLS = 7-5]			
* Liver	Centrilobular	Leukemia Mononuclear	
		Mesothelioma Benign	
		Necrosis	Minimal
		Regeneration	Mild
[Leukemia Mononuclear TGLS = 6-4]			
[Mesothelioma Benign TGLS = 6-4]			
* Lung		Inflammation	Chronic Active, Moderate
		Leukemia Mononuclear	
Lymph Node	Pancreatic	Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 4-12]			
* Lymph Node, Bronchial		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 1-7]			

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05135-07

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Isoprene

CAS Number: 78-79-5

Date Report Requested: 10/22/2014

Time Report Requested: 18:27:43

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 32

TRT#: 1

SEX: Male

DAY ON TEST: 733

DOSE: CONTROL

DISP: Terminal Sacrifice

HISTO: 33227

ORGAN AND ACCOUNTABLE SITE STATUS

* Lymph Node, Mandibular [Leukemia Mononuclear TGLS = 1-7]		Leukemia Mononuclear	
* Lymph Node, Mediastinal		Leukemia Mononuclear	
* Lymph Node, Mesenteric		Leukemia Mononuclear	
* Nose		Foreign Body Inflammation	Suppurative, Mild
	Olfactory Epi	Leukemia Mononuclear Metaplasia	Mild
* Pancreas [Leukemia Mononuclear TGLS = 4-12]		Leukemia Mononuclear	
* Pituitary Gland [Adenoma TGLS = 2-8]	Pars Distalis	Adenoma	
* Prostate [Inflammation TGLS = 3-8]		Inflammation	Chronic Active, Marked
* Seminal Vesicle [Leukemia Mononuclear TGLS = 3-8]		Leukemia Mononuclear	
* Spleen [Leukemia Mononuclear TGLS = 5-11]		Leukemia Mononuclear	
* Testes	Interstit Cell Interstit Cell	Adenoma Hyperplasia	Mild
* Thyroid Gland [Adenoma TGLS = 8-2]	C Cell	Adenoma	
* Urinary Bladder		Inflammation	Chronic Active, Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05135-07

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Isoprene

CAS Number: 78-79-5

Date Report Requested: 10/22/2014

Time Report Requested: 18:27:43

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 33

TRT#: 1

SEX: Male

DAY ON TEST: 733

DOSE: CONTROL

DISP: Terminal Sacrifice

HISTO: 33228

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Bone	* Bone Marrow	* Brain	* Epididymis
* Esophagus	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Larynx	* Lymph Node, Bronchial	* Lymph Node, Mandibular	* Lymph Node, Mediastinal
* Lymph Node, Mesenteric	* Mammary Gland	* Nose	* Pancreas
* Parathyroid Gland	* Preputial Gland	* Salivary Glands	* Seminal Vesicle
* Skin	* Spleen	* Stomach, Forestomach	* Stomach, Glandular
* Thymus	* Trachea	* Urinary Bladder	

OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Mild
* Adrenal Medulla		Hyperplasia	Moderate
* Heart		Cardiomyopathy	Mild
* Kidney		Nephropathy	Moderate
[Nephropathy TGLS = 2-5]			
* Liver		Angiectasis	Mild
		Basophilic Focus	
		Clear Cell Focus	
* Lung		Inflammation	Chronic Active, Minimal
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 1-8]			
* Prostate		Hyperplasia	Mild
		Inflammation	Chronic Active, Mild
* Testes	Bilateral, Interstit Cell	Adenoma	
[Adenoma TGLS = 3,4-7]			
* Thyroid Gland	C Cell	Hyperplasia	Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05135-07

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Isoprene

CAS Number: 78-79-5

Date Report Requested: 10/22/2014

Time Report Requested: 18:27:43

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 34

TRT#: 1

SEX: Male

DAY ON TEST: 734

DOSE: CONTROL

DISP: Terminal Sacrifice

HISTO: 33229

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Bone	* Bone Marrow	* Brain	* Epididymis
* Esophagus	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Larynx	* Lymph Node, Bronchial	* Lymph Node, Mandibular	* Lymph Node, Mediastinal
* Lymph Node, Mesenteric	* Mammary Gland	* Parathyroid Gland	* Salivary Glands
* Seminal Vesicle	* Skin	* Stomach, Forestomach	* Stomach, Glandular
* Thymus	* Trachea	* Urinary Bladder	

OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Mild
* Adrenal Medulla		Pheochromocytoma Benign	
Eye	Retina	Atrophy	Moderate
		Cataract	Moderate
	[Cataract TGLS = 1-13]		
* Heart		Cardiomyopathy	Mild
* Kidney		Nephropathy	Moderate
	[Nephropathy TGLS = 4-5]		
* Liver		Basophilic Focus	
		Clear Cell Focus	
	[Basophilic Focus TGLS = 4-5]		
	[Clear Cell Focus TGLS = 4-5]		
* Lung		Inflammation	Chronic Active, Minimal
* Nose		Inflammation	Suppurative, Minimal
	Olfactory Epi	Metaplasia	Minimal
* Pancreas		Basophilic Focus	
* Pituitary Gland	Pars Distalis	Adenoma	
	[Adenoma TGLS = 2-8]		
* Preputial Gland		Carcinoma	
	[Carcinoma TGLS = 3-12+7]		
* Prostate		Inflammation	Chronic Active, Mild
* Spleen		Fibrosis	Mild

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05135-07

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Isoprene

CAS Number: 78-79-5

Date Report Requested: 10/22/2014

Time Report Requested: 18:27:43

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 34

TRT#: 1

SEX: Male

DAY ON TEST: 734

DOSE: CONTROL

DISP: Terminal Sacrifice

HISTO: 33229

ORGAN AND ACCOUNTABLE SITE STATUS

* Testes	Interstit Cell	Adenoma	
	Interstit Cell	Hyperplasia	Marked
* Thyroid Gland	C Cell	Hyperplasia	Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05135-07

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Isoprene

CAS Number: 78-79-5

Date Report Requested: 10/22/2014

Time Report Requested: 18:27:43

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 35

TRT#: 1

SEX: Male

DAY ON TEST: 721

DOSE: CONTROL

DISP: Moribund Sacrifice

HISTO: 33230

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Bone	* Brain	* Epididymis	* Esophagus
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Larynx	* Lymph Node, Bronchial
* Lymph Node, Mandibular	* Lymph Node, Mediastinal	* Mammary Gland	* Parathyroid Gland
* Preputial Gland	* Prostate	* Salivary Glands	* Seminal Vesicle
* Skin	* Trachea	* Urinary Bladder	

OBSERVATIONS

* Adrenal Cortex		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 10-12]			
* Adrenal Medulla		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 10-12]		Pheochromocytoma Malignant	
[Pheochromocytoma Malignant TGLS = 6-5]			
* Bone Marrow		Leukemia Mononuclear	
* Heart	Atrium	Leukemia Mononuclear	
		Thrombosis	Marked
* Intestine Large, Cecum		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 10-12]			
* Kidney		Leukemia Mononuclear	
		Nephropathy	Moderate
* Liver	Bile Duct	Degeneration	Cystic, Mild
		Hyperplasia	Moderate
	Centrilobular	Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 7-4]		Necrosis	Mild
* Lung		Inflammation	Chronic Active, Minimal
		Leukemia Mononuclear	
* Lymph Node, Mesenteric		Leukemia Mononuclear	
* Nose		Leukemia Mononuclear	
		Thrombosis	Moderate

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05135-07

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Isoprene

CAS Number: 78-79-5

Date Report Requested: 10/22/2014

Time Report Requested: 18:27:43

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 35	TRT#: 1	SEX: Male	DAY ON TEST: 721
	DOSE: CONTROL	DISP: Moribund Sacrifice	HISTO: 33230

ORGAN AND ACCOUNTABLE SITE STATUS

* Pancreas		Atrophy	Mild
* Pituitary Gland	Pars Distalis	Leukemia Mononuclear Hyperplasia Leukemia Mononuclear	Minimal
[Hyperplasia TGLS = 2-8]			
* Spleen		Fibrosis Leukemia Mononuclear	Mild
[Fibrosis TGLS = 4-11]			
[Leukemia Mononuclear TGLS = 3-11]			
* Stomach, Forestomach		Necrosis	Mild
* Stomach, Glandular		Necrosis	Mild
[Necrosis TGLS = 11-8]			
* Testes	Bilateral, Interstit Cell	Adenoma	
[Adenoma TGLS = 8,9-7]			
* Thymus		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 8,9-7]			
* Thyroid Gland	C Cell	Hyperplasia	Minimal
PRIMARY CAUSE OF DEATH	- Spleen	Leukemia Mononuclear	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05135-07

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Isoprene

CAS Number: 78-79-5

Date Report Requested: 10/22/2014

Time Report Requested: 18:27:43

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 36

TRT#: 1

SEX: Male

DAY ON TEST: 551

DOSE: CONTROL

DISP: Moribund Sacrifice

HISTO: 33231

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Mild
* Heart		Cardiomyopathy	Minimal
* Kidney		Nephropathy	Moderate
* Liver		Fatty Change	Mild
	Bile Duct	Hyperplasia	Minimal
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 3-8]			
* Stomach, Forestomach		Necrosis	Marked
[Necrosis TGLS = 4-11]			
* Thymus		Cyst	Mild
* Thyroid Gland	C Cell	Hyperplasia	Mild

PRIMARY CAUSE OF DEATH

- Pituitary Gland Pars Distalis Adenoma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05135-07

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Isoprene

CAS Number: 78-79-5

Date Report Requested: 10/22/2014

Time Report Requested: 18:27:43

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 37

TRT#: 1

SEX: Male

DAY ON TEST: 694

DOSE: CONTROL

DISP: Natural Death

HISTO: 33232

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Bone	* Epididymis	* Esophagus	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Islets, Pancreatic
* Larynx	* Parathyroid Gland	* Preputial Gland	* Salivary Glands
* Skin	* Stomach, Forestomach	* Stomach, Glandular	* Thymus
* Trachea	* Urinary Bladder		

MISSING

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

* Intestine Small, Ileum	* Intestine Small, Jejunum	* Seminal Vesicle	* Thyroid Gland
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OBSERVATIONS

* Adrenal Cortex [Leukemia Mononuclear TGLS = 4,5-7]		Leukemia Mononuclear	
* Adrenal Medulla [Leukemia Mononuclear TGLS = 4,5-7] [Pheochromocytoma Benign TGLS = 4,5-7]		Leukemia Mononuclear Pheochromocytoma Benign	
* Bone Marrow [Leukemia Mononuclear TGLS = 4-11]		Leukemia Mononuclear	
* Brain [Leukemia Mononuclear TGLS = 3-1+11]		Leukemia Mononuclear	
* Heart		Cardiomyopathy	Mild
* Kidney		Leukemia Mononuclear Nephropathy	Mild
* Liver	Bile Duct	Degeneration Hyperplasia	Cystic, Mild Mild
* Lung	Alveolar Epith	Leukemia Mononuclear Hyperplasia	Mild
Lymph Node	Pancreatic	Leukemia Mononuclear	
* Lymph Node, Bronchial		Leukemia Mononuclear	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05135-07

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Isoprene

CAS Number: 78-79-5

Date Report Requested: 10/22/2014

Time Report Requested: 18:27:43

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 37

TRT#: 1

SEX: Male

DAY ON TEST: 694

DOSE: CONTROL

DISP: Natural Death

HISTO: 33232

ORGAN AND ACCOUNTABLE SITE STATUS

[Leukemia Mononuclear TGLS = 4,5-7]			
* Lymph Node, Mandibular		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 4,5-7]			
* Lymph Node, Mesenteric		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 4,5-7]			
* Nose		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 4,5-7]			
* Pancreas		Atrophy	Mild
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 2-8]			
* Prostate		Hyperplasia	Mild
* Spleen		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 6-12]			
* Testes	Bilateral, Interstit Cell	Adenoma	
[Adenoma TGLS = 4,5-7]			

PRIMARY CAUSE OF DEATH - Spleen Leukemia Mononuclear

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05135-07

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Isoprene

CAS Number: 78-79-5

Date Report Requested: 10/22/2014

Time Report Requested: 18:27:43

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 38

TRT#: 1

SEX: Male

DAY ON TEST: 734

DOSE: CONTROL

DISP: Terminal Sacrifice

HISTO: 33233

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Bone	* Bone Marrow	* Brain	* Epididymis
* Esophagus	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Larynx	* Lymph Node, Mandibular	* Lymph Node, Mediastinal	* Lymph Node, Mesenteric
* Mammary Gland	* Pancreas	* Parathyroid Gland	* Preputial Gland
* Salivary Glands	* Seminal Vesicle	* Stomach, Forestomach	* Stomach, Glandular
* Thyroid Gland	* Trachea	* Urinary Bladder	

OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Moderate
* Adrenal Medulla		Pheochromocytoma Benign Pheochromocytoma Malignant	
[Pheochromocytoma Malignant TGLS = 5-5]			
* Heart		Cardiomyopathy	Mild
* Kidney		Leukemia Mononuclear Nephropathy	Moderate
[Nephropathy TGLS = 4-5]			
* Liver		Basophilic Focus Leukemia Mononuclear	
[Basophilic Focus TGLS = 4-5]			
[Leukemia Mononuclear TGLS = 4-5]			
* Lung		Inflammation Leukemia Mononuclear	Chronic Active, Minimal
[Leukemia Mononuclear TGLS = 4-5]			
* Lymph Node, Bronchial		Leukemia Mononuclear	
* Nose	Olfactory Epi	Inflammation	Suppurative, Mild
	Pars Distalis	Metaplasia	Mild
* Pituitary Gland		Adenoma	
[Adenoma TGLS = 1-8]			
* Prostate		Hyperplasia	Mild
* Skin		Cyst Epithelial Inclusion	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05135-07

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Isoprene

CAS Number: 78-79-5

Date Report Requested: 10/22/2014

Time Report Requested: 18:27:43

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 38

TRT#: 1

SEX: Male

DAY ON TEST: 734

DOSE: CONTROL

DISP: Terminal Sacrifice

HISTO: 33233

ORGAN AND ACCOUNTABLE SITE STATUS

[Cyst Epithelial Inclusion TGLS = 2-12]

* Spleen

Leukemia Mononuclear

[Leukemia Mononuclear TGLS = 3-11]

* Testes

Interstit Cell

Hyperplasia

Mild

Artery

Inflammation

Chronic Active, Moderate

* Thymus

Leukemia Mononuclear

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05135-07

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Isoprene

CAS Number: 78-79-5

Date Report Requested: 10/22/2014

Time Report Requested: 18:27:43

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 39

TRT#: 1

SEX: Male

DAY ON TEST: 734

DOSE: CONTROL

DISP: Terminal Sacrifice

HISTO: 33234

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Bone	* Bone Marrow	* Brain	* Epididymis
* Esophagus	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Larynx	* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Nose
* Preputial Gland	* Salivary Glands	* Seminal Vesicle	* Skin
* Stomach, Forestomach	* Trachea	* Urinary Bladder	

OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Moderate
		Hypertrophy	Mild
* Adrenal Medulla		Hyperplasia	Mild
		Pheochromocytoma Benign	
* Heart		Cardiomyopathy	Moderate
* Kidney		Nephropathy	Marked
	[Nephropathy TGLS = 6-5]		
* Liver		Basophilic Focus	
		Clear Cell Focus	
		Leukemia Mononuclear	
	[Basophilic Focus TGLS = 6-5]		
	[Clear Cell Focus TGLS = 6-5]		
	[Leukemia Mononuclear TGLS = 5-4]		
* Lung		Inflammation	Chronic Active, Minimal
* Lymph Node, Bronchial		Leukemia Mononuclear	
* Lymph Node, Mediastinal		Leukemia Mononuclear	
* Mammary Gland		Fibroadenoma	Multiple
	Note: Another fibroadenoma was in slide 7 but was not a gross lesion.		
	[Fibroadenoma TGLS = 1-13]		
* Pancreas		Hyperplasia	Mild
* Parathyroid Gland		Hyperplasia	Mild
* Pituitary Gland	Pars Distalis	Adenoma	
	[Adenoma TGLS = 2-8]		

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05135-07

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Isoprene

CAS Number: 78-79-5

Date Report Requested: 10/22/2014

Time Report Requested: 18:27:43

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 39

TRT#: 1

SEX: Male

DAY ON TEST: 734

DOSE: CONTROL

DISP: Terminal Sacrifice

HISTO: 33234

ORGAN AND ACCOUNTABLE SITE STATUS

* Prostate		Hyperplasia	Mild
* Spleen		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 4-11]			
* Stomach, Glandular		Mineralization	Minimal
* Testes	Interstit Cell	Adenoma	
	Artery	Inflammation	Chronic Active, Moderate
[Adenoma TGLS = 3-12]			
* Thymus		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 3-12]			
* Thyroid Gland	C Cell	Hyperplasia	Mild
	Follicular Cel	Hyperplasia	Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05135-07

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Isoprene

CAS Number: 78-79-5

Date Report Requested: 10/22/2014

Time Report Requested: 18:27:43

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 40

TRT#: 1

SEX: Male

DAY ON TEST: 564

DOSE: CONTROL

DISP: Moribund Sacrifice

HISTO: 33235

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- | | | | |
|----------------------------|---------------------------|-----------------------------|--------------------------|
| * Bone | * Epididymis | * Esophagus | * Intestine Large, Cecum |
| * Intestine Large, Colon | * Intestine Large, Rectum | * Intestine Small, Duodenum | * Intestine Small, Ileum |
| * Intestine Small, Jejunum | * Islets, Pancreatic | * Larynx | * Mammary Gland |
| * Pancreas | * Parathyroid Gland | * Preputial Gland | * Prostate |
| * Salivary Glands | * Seminal Vesicle | * Skin | * Stomach, Glandular |
| * Trachea | | | |

OBSERVATIONS

- | | | | |
|--------------------------------------|---------------|---|----------|
| * Adrenal Cortex | | Leukemia Mononuclear
Vacuolization Cytoplasmic | Mild |
| * Adrenal Medulla | | Leukemia Mononuclear
Pheochromocytoma Benign | |
| * Bone Marrow | | Leukemia Mononuclear | |
| * Brain | | Leukemia Mononuclear | |
| * Heart | | Leukemia Mononuclear | |
| * Kidney | | Infarct | Moderate |
| | | Leukemia Mononuclear
Nephropathy | Mild |
| [Infarct TGLS = 5-5] | | | |
| * Liver | Bile Duct | Hyperplasia | Moderate |
| | | Leukemia Mononuclear | |
| * Lung | | Leukemia Mononuclear | |
| Lymph Node | Lumbar | Leukemia Mononuclear | |
| [Leukemia Mononuclear TGLS = 6-14] | | | |
| * Lymph Node, Bronchial | | Leukemia Mononuclear | |
| * Lymph Node, Mandibular | | Leukemia Mononuclear | |
| * Lymph Node, Mediastinal | | Leukemia Mononuclear | |
| [Leukemia Mononuclear TGLS = 1-2] | | | |
| * Lymph Node, Mesenteric | | Leukemia Mononuclear | |
| * Nose | | Leukemia Mononuclear | |
| * Pituitary Gland | Pars Distalis | Adenoma | |

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05135-07
Test Type: CHRONIC
Species/Strain: Rat/F 344/N

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

Date Report Requested: 10/22/2014
Time Report Requested: 18:27:43
First Dose M/F: NA / NA
Lab: BNW

ANIMAL ID: 40	TRT#: 1 DOSE: CONTROL	SEX: Male DISP: Moribund Sacrifice	DAY ON TEST: 564 HISTO: 33235
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ORGAN AND ACCOUNTABLE SITE STATUS

[Leukemia Mononuclear TGLS = 6-14] * Spleen		Leukemia Mononuclear	
		Fibrosis	Moderate
		Leukemia Mononuclear	
		Necrosis	Marked
[Leukemia Mononuclear TGLS = 3-11] [Necrosis TGLS = 4-12] * Stomach, Forestomach		Leukemia Mononuclear	
		Necrosis	Minimal
[Leukemia Mononuclear TGLS = 7-13] * Testes	Interstit Cell	Hyperplasia	Mild
		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 2-7] * Thymus		Leukemia Mononuclear	
* Thyroid Gland	C Cell	Hyperplasia	Minimal
* Urinary Bladder		Leukemia Mononuclear	

PRIMARY CAUSE OF DEATH - Spleen Leukemia Mononuclear

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05135-07

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Isoprene

CAS Number: 78-79-5

Date Report Requested: 10/22/2014

Time Report Requested: 18:27:43

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 41

TRT#: 1

SEX: Male

DAY ON TEST: 723

DOSE: CONTROL

DISP: Moribund Sacrifice

HISTO: 33236

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Bone	* Brain	* Epididymis	* Esophagus
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Larynx
* Lymph Node, Mesenteric	* Mammary Gland	* Nose	* Pancreas
* Parathyroid Gland	* Preputial Gland	* Prostate	* Salivary Glands
* Seminal Vesicle	* Stomach, Forestomach	* Stomach, Glandular	* Testes
* Trachea	* Urinary Bladder		

OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Mild
		Leukemia Mononuclear	
* Adrenal Medulla		Hyperplasia	Mild
		Leukemia Mononuclear	
* Bone Marrow		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 1-2]			
* Heart		Cardiomyopathy	Mild
* Kidney		Leukemia Mononuclear	
		Nephropathy	Moderate
[Nephropathy TGLS = 4-5]			
* Liver	Bile Duct	Hyperplasia	Minimal
		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 4-5]			
* Lung		Leukemia Mononuclear	
* Lymph Node, Bronchial		Leukemia Mononuclear	
* Lymph Node, Mandibular		Leukemia Mononuclear	
* Lymph Node, Mediastinal		Leukemia Mononuclear	
* Pituitary Gland	Pars Distalis	Adenoma	
		Leukemia Mononuclear	
[Adenoma TGLS = 1-8]			
* Skin		Cyst Epithelial Inclusion	
[Cyst Epithelial Inclusion TGLS = 1-8]			

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05135-07

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Isoprene

CAS Number: 78-79-5

Date Report Requested: 10/22/2014

Time Report Requested: 18:27:43

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 41

TRT#: 1

SEX: Male

DAY ON TEST: 723

DOSE: CONTROL

DISP: Moribund Sacrifice

HISTO: 33236

ORGAN AND ACCOUNTABLE SITE STATUS

* Spleen		Fibrosis	Mild
		Leukemia Mononuclear	
		Necrosis	Mild
	[Leukemia Mononuclear TGLS = 2-11]		
	[Necrosis TGLS = 3-11]		
* Thymus		Leukemia Mononuclear	
* Thyroid Gland	C Cell	Hyperplasia	Mild

PRIMARY CAUSE OF DEATH - Skin Cyst Epithelial Inclusion

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05135-07

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Isoprene

CAS Number: 78-79-5

Date Report Requested: 10/22/2014

Time Report Requested: 18:27:43

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 42

TRT#: 1

SEX: Male

DAY ON TEST: 734

DOSE: CONTROL

DISP: Terminal Sacrifice

HISTO: 33237

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Bone	* Bone Marrow	* Brain	* Epididymis
* Esophagus	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Larynx	* Lymph Node, Bronchial	* Lymph Node, Mandibular	* Lymph Node, Mediastinal
* Lymph Node, Mesenteric	* Mammary Gland	* Parathyroid Gland	* Preputial Gland
* Prostate	* Salivary Glands	* Seminal Vesicle	* Skin
* Spleen	* Stomach, Forestomach	* Stomach, Glandular	* Thymus
* Trachea	* Urinary Bladder		

OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Mild
* Adrenal Medulla		Hyperplasia	Mild
		Pheochromocytoma Benign	
* Heart		Cardiomyopathy	Mild
* Kidney		Nephropathy	Moderate
* Liver		Basophilic Focus	
* Lung		Inflammation	Chronic Active, Minimal
Mesentery	Fat	Necrosis	Mild
[Necrosis TGLS = 3-13]			
* Nose		Foreign Body	
		Inflammation	Suppurative, Mild
	Olfactory Epi	Metaplasia	Mild
* Pancreas		Atrophy	Mild
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 2-8]			
* Testes	Interstit Cell	Adenoma	
* Thyroid Gland	Follicular Cel	Carcinoma	
	C Cell	Hyperplasia	Mild
[Carcinoma TGLS = 1-2]			

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05135-07

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Isoprene

CAS Number: 78-79-5

Date Report Requested: 10/22/2014

Time Report Requested: 18:27:43

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 43

TRT#: 1

SEX: Male

DAY ON TEST: 733

DOSE: CONTROL

DISP: Terminal Sacrifice

HISTO: 33238

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Bone	* Bone Marrow	* Brain	* Epididymis
* Esophagus	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Larynx	* Lymph Node, Bronchial	* Lymph Node, Mandibular	* Lymph Node, Mediastinal
* Lymph Node, Mesenteric	* Mammary Gland	* Nose	* Parathyroid Gland
* Preputial Gland	* Prostate	* Salivary Glands	* Seminal Vesicle
* Spleen	* Stomach, Forestomach	* Stomach, Glandular	* Thymus
* Trachea	* Urinary Bladder		

OBSERVATIONS

* Adrenal Cortex		Hypertrophy	Mild
* Adrenal Medulla		Hyperplasia	Moderate
		Pheochromocytoma Malignant	
	[Pheochromocytoma Malignant TGLS = 4-11]		
* Heart		Cardiomyopathy	Mild
* Kidney		Nephropathy	Moderate
* Liver		Clear Cell Focus	
* Lung		Inflammation	Chronic Active, Mild
* Pancreas		Adenoma	
		Hyperplasia	Moderate
* Pituitary Gland	Pars Distalis	Adenoma	
	[Adenoma TGLS = 2-8]		
* Skin		Keratoacanthoma	
	[Keratoacanthoma TGLS = 1-13]		
* Testes	Bilateral, Interstit Cell	Adenoma	
	[Adenoma TGLS = 3-7]		
* Thyroid Gland	C Cell	Hyperplasia	Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05135-07

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Isoprene

CAS Number: 78-79-5

Date Report Requested: 10/22/2014

Time Report Requested: 18:27:43

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 44

TRT#: 1

SEX: Male

DAY ON TEST: 604

DOSE: CONTROL

DISP: Moribund Sacrifice

HISTO: 33239

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Bone	* Bone Marrow	* Brain	* Esophagus
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Islets, Pancreatic	* Larynx	* Lymph Node, Bronchial	* Lymph Node, Mandibular
* Lymph Node, Mediastinal	* Lymph Node, Mesenteric	* Mammary Gland	* Nose
* Parathyroid Gland	* Preputial Gland	* Prostate	* Salivary Glands
* Seminal Vesicle	* Skin	* Stomach, Glandular	* Thymus
* Thyroid Gland	* Trachea		

OBSERVATIONS

* Adrenal Cortex		Adenoma	
[Adenoma TGLS = 8-21]			
* Adrenal Medulla		Hyperplasia	Mild
Blood Vessel	Endothelium	Hyperplasia	Marked
		Inflammation	Moderate
* Epididymis		Mesothelioma Malignant	
[Mesothelioma Malignant TGLS = 12-7]			
* Heart	Atrium	Thrombosis	Marked
[Thrombosis TGLS = 2-12]			
* Intestine Small, Ileum		Mesothelioma Malignant	
[Mesothelioma Malignant TGLS = 8-21]			
* Intestine Small, Jejunum		Mesothelioma Malignant	
[Mesothelioma Malignant TGLS = 8-21]			
* Kidney		Cyst	Marked
		Mesothelioma Malignant	
		Nephropathy	Mild
[Cyst TGLS = 9-16]			
[Mesothelioma Malignant TGLS = 9-16]			
* Liver		Degeneration	Cystic, Minimal
		Hepatodiaphragmatic Nodule	
	Bile Duct	Hyperplasia	Minimal
		Mesothelioma Malignant	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05135-07

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Isoprene

CAS Number: 78-79-5

Date Report Requested: 10/22/2014

Time Report Requested: 18:27:43

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 44

TRT#: 1

SEX: Male

DAY ON TEST: 604

DOSE: CONTROL

DISP: Moribund Sacrifice

HISTO: 33239

ORGAN AND ACCOUNTABLE SITE STATUS

	Centrilobular	Necrosis	Marked
	[Degeneration TGLS = 6-13]		
	[Hepatodiaphragmatic Nodule TGLS = 11-14]		
	[Mesothelioma Malignant TGLS = 7-15]		
* Lung		Inflammation	Chronic Active, Minimal
	[Inflammation TGLS = 13-11]		
Mesentery		Mesothelioma Malignant	
	[Mesothelioma Malignant TGLS = 10-20]		
* Pancreas		Atrophy	Moderate
		Mesothelioma Malignant	
	[Mesothelioma Malignant TGLS = 10-20]		
Peritoneum		Mesothelioma Malignant	
	[Mesothelioma Malignant TGLS = 14-8+19]		
* Pituitary Gland	Pars Distalis	Adenoma	
* Spleen		Hematopoietic Cell Proliferation	Moderate
		Mesothelioma Malignant	
* Stomach, Forestomach		Mesothelioma Malignant	
		Necrosis	Marked
	[Necrosis TGLS = 14-8+19]		
* Testes	Interstit Cell	Adenoma	
		Mesothelioma Malignant	
	[Adenoma TGLS = 5-7]		
	[Mesothelioma Malignant TGLS = 4-7]		
* Urinary Bladder		Mesothelioma Malignant	
	[Mesothelioma Malignant TGLS = 4-7]		

PRIMARY CAUSE OF DEATH - Epididymis Mesothelioma Malignant

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05135-07

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Isoprene

CAS Number: 78-79-5

Date Report Requested: 10/22/2014

Time Report Requested: 18:27:43

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 45

TRT#: 1

SEX: Male

DAY ON TEST: 724

DOSE: CONTROL

DISP: Moribund Sacrifice

HISTO: 33240

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Bone Marrow	* Brain
* Esophagus	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Larynx	* Lung	* Lymph Node, Mediastinal	* Lymph Node, Mesenteric
* Pancreas	* Parathyroid Gland	* Preputial Gland	* Prostate
* Salivary Glands	* Seminal Vesicle	* Skin	* Spleen
* Stomach, Forestomach	* Stomach, Glandular	* Thymus	* Trachea
* Urinary Bladder			

MISSING

* Lymph Node, Bronchial	* Lymph Node, Mandibular
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OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Mild
* Epididymis		Granuloma Sperm	Moderate
[Granuloma Sperm TGLS = 8-7]			
* Heart		Cardiomyopathy	Mild
* Kidney		Nephropathy	Moderate
[Nephropathy TGLS = 6-5]			
* Liver		Fatty Change	Minimal
* Mammary Gland		Fibroadenoma	
[Fibroadenoma TGLS = 3-11]			
Mesentery	Fat	Necrosis	Mild
[Necrosis TGLS = 7-12]			
* Nose		Inflammation	Suppurative, Minimal
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 4-8]			
* Testes	Bilateral, Interstit Cell	Adenoma	
[Adenoma TGLS = 5-7]			
* Thyroid Gland	C Cell	Hyperplasia	Minimal

PRIMARY CAUSE OF DEATH - Pituitary Gland Pars Distalis Adenoma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05135-07

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Isoprene

CAS Number: 78-79-5

Date Report Requested: 10/22/2014

Time Report Requested: 18:27:43

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 46

TRT#: 1

SEX: Male

DAY ON TEST: 502

DOSE: CONTROL

DISP: Moribund Sacrifice

HISTO: 33241

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Bone	* Bone Marrow	* Brain
* Epididymis	* Esophagus	* Heart	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Larynx	* Lung
* Lymph Node, Mandibular	* Lymph Node, Mediastinal	* Lymph Node, Mesenteric	* Parathyroid Gland
* Preputial Gland	* Prostate	* Salivary Glands	* Seminal Vesicle
* Skin	* Spleen	* Stomach, Forestomach	* Stomach, Glandular
* Thymus	* Trachea	* Urinary Bladder	

MISSING

* Lymph Node, Bronchial	* Mammary Gland
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OBSERVATIONS

* Adrenal Medulla		Hyperplasia	Minimal
* Kidney		Nephropathy	Mild
* Liver		Fatty Change	Minimal
* Nose	Olfactory Epi	Metaplasia	Squamous, Minimal
* Pancreas		Atrophy	Minimal
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 2-8]			
* Testes	Interstit Cell	Hyperplasia	Mild
* Thyroid Gland	C Cell	Hyperplasia	Minimal

PRIMARY CAUSE OF DEATH

- Pituitary Gland Pars Distalis Adenoma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05135-07

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Isoprene

CAS Number: 78-79-5

Date Report Requested: 10/22/2014

Time Report Requested: 18:27:43

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 47

TRT#: 1

SEX: Male

DAY ON TEST: 671

DOSE: CONTROL

DISP: Moribund Sacrifice

HISTO: 33242

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Brain	* Epididymis	* Esophagus	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Larynx	* Lymph Node, Mandibular
* Lymph Node, Mesenteric	* Mammary Gland	* Pancreas	* Parathyroid Gland
* Preputial Gland	* Prostate	* Seminal Vesicle	* Spleen
* Stomach, Forestomach	* Stomach, Glandular	* Thymus	* Trachea
* Urinary Bladder			

MISSING

* Lymph Node, Bronchial	* Lymph Node, Mediastinal
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OBSERVATIONS

* Heart		Cardiomyopathy	Minimal
* Kidney		Nephropathy	Mild
* Liver	Bile Duct	Hyperplasia	Minimal
* Lung	Alveolar Epith	Hyperplasia	Minimal
* Nose		Foreign Body	
		Inflammation	Suppurative, Minimal
	Olfactory Epi	Metaplasia	Mild
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 2-8]			
* Salivary Glands		Atrophy	Mild
* Skin		Lipoma	
[Lipoma TGLS = 1-11]			
* Testes	Interstit Cell	Adenoma	
* Thyroid Gland	C Cell	Hyperplasia	Mild

PRIMARY CAUSE OF DEATH

- Pituitary Gland Pars Distalis Adenoma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05135-07

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Isoprene

CAS Number: 78-79-5

Date Report Requested: 10/22/2014

Time Report Requested: 18:27:43

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 48

TRT#: 1

SEX: Male

DAY ON TEST: 733

DOSE: CONTROL

DISP: Terminal Sacrifice

HISTO: 33243

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- | | | | |
|----------------------------|---------------------------|-----------------------------|--------------------------|
| * Bone | * Epididymis | * Esophagus | * Intestine Large, Cecum |
| * Intestine Large, Colon | * Intestine Large, Rectum | * Intestine Small, Duodenum | * Intestine Small, Ileum |
| * Intestine Small, Jejunum | * Larynx | * Nose | * Pancreas |
| * Parathyroid Gland | * Preputial Gland | * Salivary Glands | * Seminal Vesicle |
| * Skin | * Stomach, Forestomach | * Stomach, Glandular | * Trachea |
| * Urinary Bladder | | | |

MISSING

- * Thymus

OBSERVATIONS

- | | | | |
|---------------------------|-------------------------------------|-------------------------|-------------|
| * Adrenal Cortex | | Hyperplasia | Mild |
| | | Leukemia Mononuclear | |
| * Adrenal Medulla | | Leukemia Mononuclear | |
| | | Pheochromocytoma Benign | |
| * Bone Marrow | | Leukemia Mononuclear | |
| * Brain | | Degeneration | Focal, Mild |
| * Heart | | Cardiomyopathy | Mild |
| * Islets, Pancreatic | | Carcinoma | |
| * Kidney | | Leukemia Mononuclear | |
| | | Nephropathy | Moderate |
| * Liver | | Eosinophilic Focus | |
| | Bile Duct | Hyperplasia | Mild |
| | | Leukemia Mononuclear | |
| | Centrilobular | Necrosis | Minimal |
| | [Leukemia Mononuclear TGLS = 1-4] | | |
| * Lung | | Leukemia Mononuclear | |
| | [Leukemia Mononuclear TGLS = 1-4] | | |
| * Lymph Node, Bronchial | | Leukemia Mononuclear | |
| * Lymph Node, Mandibular | | Leukemia Mononuclear | |
| * Lymph Node, Mediastinal | | Leukemia Mononuclear | |
| * Lymph Node, Mesenteric | | Leukemia Mononuclear | |

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05135-07

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Isoprene

CAS Number: 78-79-5

Date Report Requested: 10/22/2014

Time Report Requested: 18:27:43

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 48

TRT#: 1

SEX: Male

DAY ON TEST: 733

DOSE: CONTROL

DISP: Terminal Sacrifice

HISTO: 33243

ORGAN AND ACCOUNTABLE SITE STATUS

* Mammary Gland [Inflammation TGLS = 3-14]		Inflammation	Chronic, Moderate
* Pituitary Gland [Adenoma TGLS = 2-8]	Pars Distalis	Adenoma	
* Prostate		Hyperplasia	Mild
* Spleen		Fibrosis	Mild
		Hemorrhage	Mild
		Leukemia Mononuclear	
[Fibrosis TGLS = 6-13]			
[Hemorrhage TGLS = 7-11]			
[Leukemia Mononuclear TGLS = 5-12]			
* Testes [Adenoma TGLS = 4-7]	Bilateral, Interstit Cell	Adenoma	
* Thyroid Gland	C Cell	Hyperplasia	Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05135-07

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Isoprene

CAS Number: 78-79-5

Date Report Requested: 10/22/2014

Time Report Requested: 18:27:43

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 49

TRT#: 1

SEX: Male

DAY ON TEST: 733

DOSE: CONTROL

DISP: Terminal Sacrifice

HISTO: 33244

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Bone	* Epididymis	* Esophagus	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Larynx	* Mammary Gland
* Pancreas	* Prostate	* Salivary Glands	* Skin
* Stomach, Glandular	* Trachea		

MISSING

* Parathyroid Gland	* Thymus
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OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Mild
		Leukemia Mononuclear	
* Adrenal Medulla		Hyperplasia	Mild
		Leukemia Mononuclear	
* Bone Marrow		Leukemia Mononuclear	
* Brain		Leukemia Mononuclear	
* Heart		Cardiomyopathy	Mild
* Kidney		Leukemia Mononuclear	
		Nephropathy	Marked
[Nephropathy TGLS = 4-5]			
* Liver		Fatty Change	Mild
		Leukemia Mononuclear	
		Regeneration	Mild
[Leukemia Mononuclear TGLS = 3-4]			
* Lung		Leukemia Mononuclear	
* Lymph Node, Bronchial		Leukemia Mononuclear	
* Lymph Node, Mandibular		Leukemia Mononuclear	
* Lymph Node, Mediastinal		Leukemia Mononuclear	
* Lymph Node, Mesenteric		Leukemia Mononuclear	
Mesentery	Fat	Necrosis	Mild
[Necrosis TGLS = 5-13]			
* Nose		Leukemia Mononuclear	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05135-07

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Isoprene

CAS Number: 78-79-5

Date Report Requested: 10/22/2014

Time Report Requested: 18:27:43

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 49

TRT#: 1

SEX: Male

DAY ON TEST: 733

DOSE: CONTROL

DISP: Terminal Sacrifice

HISTO: 33244

ORGAN AND ACCOUNTABLE SITE STATUS

* Pituitary Gland	Pars Distalis	Adenoma Leukemia Mononuclear	
[Adenoma TGLS = 1-8]			
[Leukemia Mononuclear TGLS = 5-13]			
* Preputial Gland		Inflammation	Chronic Active, Marked
[Inflammation TGLS = 6-12]			
* Seminal Vesicle		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 6-12]			
* Spleen		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 2-11]			
* Stomach, Forestomach		Leukemia Mononuclear	
* Testes	Bilateral, Interstit Cell	Adenoma	
* Thyroid Gland	C Cell	Hyperplasia	Minimal
* Urinary Bladder		Leukemia Mononuclear	

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05135-07

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Isoprene

CAS Number: 78-79-5

Date Report Requested: 10/22/2014

Time Report Requested: 18:27:43

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 50

TRT#: 1

SEX: Male

DAY ON TEST: 664

DOSE: CONTROL

DISP: Moribund Sacrifice

HISTO: 33245

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Bone	* Bone Marrow	* Brain
* Epididymis	* Esophagus	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Larynx	* Lymph Node, Bronchial	* Lymph Node, Mandibular
* Lymph Node, Mediastinal	* Lymph Node, Mesenteric	* Mammary Gland	* Pancreas
* Preputial Gland	* Prostate	* Salivary Glands	* Seminal Vesicle
* Skin	* Spleen	* Thymus	* Trachea
* Urinary Bladder			

OBSERVATIONS

* Adrenal Medulla		Pheochromocytoma Benign	
* Heart		Cardiomyopathy	Moderate
* Kidney		Cyst	Moderate
		Nephropathy	Marked
[Cyst TGLS = 4-11]			
[Nephropathy TGLS = 3-5]			
* Liver		Fatty Change	Moderate
* Lung	Alveolar Epith	Hyperplasia	Minimal
Mesentery	Fat	Hemorrhage	Mild
[Hemorrhage TGLS = 5-14]			
* Nose	Olfactory Epi	Atrophy	Minimal
		Foreign Body	
		Inflammation	Suppurative, Moderate
	Olfactory Epi	Metaplasia	Mild
* Parathyroid Gland		Hyperplasia	Minimal
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 1-8]			
* Stomach, Forestomach		Necrosis	Moderate
[Necrosis TGLS = 6-12]			
* Stomach, Glandular		Mineralization	Minimal
		Necrosis	Moderate

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05135-07

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Isoprene

CAS Number: 78-79-5

Date Report Requested: 10/22/2014

Time Report Requested: 18:27:43

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 50

TRT#: 1

SEX: Male

DAY ON TEST: 664

DOSE: CONTROL

DISP: Moribund Sacrifice

HISTO: 33245

ORGAN AND ACCOUNTABLE SITE STATUS

[Necrosis TGLS = 7-13]

* Testes

Interstit Cell

Adenoma

Interstit Cell

Hyperplasia

Moderate

Artery

Inflammation

Chronic Active, Mild

[Adenoma TGLS = 2-7]

* Thyroid Gland

C Cell

Hyperplasia

Minimal

PRIMARY CAUSE OF DEATH

- Kidney Nephropathy

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05135-07

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Isoprene

CAS Number: 78-79-5

Date Report Requested: 10/22/2014

Time Report Requested: 18:27:43

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 201

TRT#: 3

SEX: Male

DAY ON TEST: 733

DOSE: 220 PPM

DISP: Terminal Sacrifice

HISTO: 33496

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Bone	* Bone Marrow	* Brain	* Epididymis
* Esophagus	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Larynx	* Lymph Node, Mandibular	* Lymph Node, Mediastinal	* Lymph Node, Mesenteric
* Mammary Gland	* Parathyroid Gland	* Preputial Gland	* Salivary Glands
* Seminal Vesicle	* Skin	* Stomach, Forestomach	* Stomach, Glandular
* Trachea	* Urinary Bladder		

MISSING

* Thymus

OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Mild
* Adrenal Medulla		Hyperplasia	Moderate
		Pheochromocytoma Benign	
* Heart		Cardiomyopathy	Mild
* Kidney		Leukemia Mononuclear	
		Nephropathy	Marked
	[Nephropathy TGLS = 5-5]		
* Liver		Clear Cell Focus	
		Leukemia Mononuclear	
	[Clear Cell Focus TGLS = 4-4]		
	[Leukemia Mononuclear TGLS = 4-4]		
* Lung		Inflammation	Chronic Active, Minimal
* Lymph Node, Bronchial		Leukemia Mononuclear	
* Nose		Foreign Body	
		Inflammation	Suppurative, Minimal
* Pancreas		Adenoma	
* Pituitary Gland	Pars Distalis	Hyperplasia	Moderate
* Prostate		Hyperplasia	Mild
* Spleen		Fibrosis	Mild
		Leukemia Mononuclear	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05135-07

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Isoprene

CAS Number: 78-79-5

Date Report Requested: 10/22/2014

Time Report Requested: 18:27:43

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 201

TRT#: 3

SEX: Male

DAY ON TEST: 733

DOSE: 220 PPM

DISP: Terminal Sacrifice

HISTO: 33496

ORGAN AND ACCOUNTABLE SITE STATUS

[Fibrosis TGLS = 2-11]

[Leukemia Mononuclear TGLS = 1-11]

* Testes

Bilateral, Interstit Cell

Adenoma

[Adenoma TGLS = 3-7]

* Thyroid Gland

C Cell

Hyperplasia

Moderate

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05135-07

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Isoprene

CAS Number: 78-79-5

Date Report Requested: 10/22/2014

Time Report Requested: 18:27:43

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 202

TRT#: 3

SEX: Male

DAY ON TEST: 538

DOSE: 220 PPM

DISP: Moribund Sacrifice

HISTO: 33497

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Bone	* Brain	* Epididymis	* Esophagus
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Larynx
* Mammary Gland	* Parathyroid Gland	* Preputial Gland	* Prostate
* Salivary Glands	* Thyroid Gland	* Trachea	* Urinary Bladder

OBSERVATIONS

* Adrenal Cortex		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 4-13]			
* Adrenal Medulla		Leukemia Mononuclear	
	Bilateral	Pheochromocytoma Benign	
* Bone Marrow		Leukemia Mononuclear	
* Heart		Cardiomyopathy	Mild
* Kidney		Leukemia Mononuclear	
		Nephropathy	Mild
* Liver		Fatty Change	Minimal
	Bile Duct	Hyperplasia	Mild
		Leukemia Mononuclear	
	Centrilobular	Necrosis	Mild
[Leukemia Mononuclear TGLS = 3-4]			
* Lung		Leukemia Mononuclear	
Lymph Node	Iliac	Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 10-17]			
* Lymph Node, Bronchial		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 4-13]			
* Lymph Node, Mandibular		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 4-13]			
* Lymph Node, Mediastinal		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 5-2]			
* Lymph Node, Mesenteric		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 4-13]			

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05135-07

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Isoprene

CAS Number: 78-79-5

Date Report Requested: 10/22/2014

Time Report Requested: 18:27:43

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 202

TRT#: 3

SEX: Male

DAY ON TEST: 538

DOSE: 220 PPM

DISP: Moribund Sacrifice

HISTO: 33497

ORGAN AND ACCOUNTABLE SITE STATUS

Mesentery		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 9-16]			
* Nose		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 7-7]			
* Pancreas		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 9-16]			
* Pituitary Gland		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 9-16]			
* Seminal Vesicle		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 9-16]			
* Skin	Subcut Tiss	Fibroma	
[Fibroma TGLS = 1-15]			
* Spleen		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 2,6-11+12]			
* Stomach, Forestomach		Leukemia Mononuclear	
* Stomach, Glandular		Leukemia Mononuclear	
		Necrosis	Moderate
[Necrosis TGLS = 8-14]			
* Testes	Bilateral, Interstit Cell	Adenoma	
[Adenoma TGLS = 7-7]			
* Thymus		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 7-7]			

PRIMARY CAUSE OF DEATH - Spleen Leukemia Mononuclear

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05135-07

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Isoprene

CAS Number: 78-79-5

Date Report Requested: 10/22/2014

Time Report Requested: 18:27:43

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 203

TRT#: 3

SEX: Male

DAY ON TEST: 559

DOSE: 220 PPM

DISP: Moribund Sacrifice

HISTO: 33498

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Bone	* Bone Marrow	* Brain
* Epididymis	* Esophagus	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Larynx	* Liver	* Lung
* Lymph Node, Bronchial	* Lymph Node, Mandibular	* Lymph Node, Mediastinal	* Lymph Node, Mesenteric
* Mammary Gland	* Nose	* Parathyroid Gland	* Preputial Gland
* Prostate	* Salivary Glands	* Seminal Vesicle	* Skin
* Spleen	* Stomach, Glandular	* Testes	* Trachea
* Urinary Bladder			

MISSING

* Thymus

OBSERVATIONS

* Adrenal Medulla		Hyperplasia	Moderate
* Heart		Cardiomyopathy	Minimal
* Kidney	Renal Tubule	Adenoma	
		Nephropathy	Moderate
[Nephropathy TGLS = 3-5]			
* Pancreas		Atrophy	Minimal
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 2-8]			
* Stomach, Forestomach		Hyperplasia	Squamous, Moderate
		Necrosis	Mild
[Necrosis TGLS = 4-11]			
* Thyroid Gland	C Cell	Hyperplasia	Minimal

PRIMARY CAUSE OF DEATH

- Pituitary Gland Pars Distalis Adenoma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05135-07

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Isoprene

CAS Number: 78-79-5

Date Report Requested: 10/22/2014

Time Report Requested: 18:27:43

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 204

TRT#: 3

SEX: Male

DAY ON TEST: 714

DOSE: 220 PPM

DISP: Moribund Sacrifice

HISTO: 33499

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Bone	* Brain	* Epididymis	* Esophagus
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Larynx
* Lymph Node, Mandibular	* Lymph Node, Mediastinal	* Mammary Gland	* Nose
* Pancreas	* Parathyroid Gland	* Salivary Glands	* Seminal Vesicle
* Skin	* Stomach, Forestomach	* Stomach, Glandular	* Thymus
* Trachea	* Urinary Bladder		

OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Mild
		Hypertrophy	Mild
		Leukemia Mononuclear	
* Adrenal Medulla	Bilateral	Leukemia Mononuclear	
		Pheochromocytoma Benign	
* Bone Marrow		Leukemia Mononuclear	
Eye	Retina	Atrophy	Moderate
		[Atrophy TGLS = 1-13]	
* Heart		Cardiomyopathy	Mild
* Kidney		Leukemia Mononuclear	
		Nephropathy	Moderate
		[Nephropathy TGLS = 8-5]	
* Liver		Fatty Change	Mild
	Bile Duct	Hyperplasia	Mild
		Leukemia Mononuclear	
	Centrilobular	Necrosis	Minimal
		[Leukemia Mononuclear TGLS = 8-5]	
* Lung		Leukemia Mononuclear	
* Lymph Node, Bronchial		Leukemia Mononuclear	
* Lymph Node, Mesenteric		Leukemia Mononuclear	
* Pituitary Gland	Pars Distalis	Adenoma	
		[Adenoma TGLS = 2-8]	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05135-07

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Isoprene

CAS Number: 78-79-5

Date Report Requested: 10/22/2014

Time Report Requested: 18:27:43

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 204

TRT#: 3

SEX: Male

DAY ON TEST: 714

DOSE: 220 PPM

DISP: Moribund Sacrifice

HISTO: 33499

ORGAN AND ACCOUNTABLE SITE STATUS

* Preputial Gland

[Carcinoma TGLS = 3-12]

Carcinoma

* Prostate

Hyperplasia

Minimal

* Spleen

[Leukemia Mononuclear TGLS = 7-11]

Leukemia Mononuclear

* Testes

[Adenoma TGLS = 4,5-7]

Bilateral, Interstit Cell

Adenoma

* Thyroid Gland

C Cell

Hyperplasia

Minimal

PRIMARY CAUSE OF DEATH

- Spleen Leukemia Mononuclear

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05135-07

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Isoprene

CAS Number: 78-79-5

Date Report Requested: 10/22/2014

Time Report Requested: 18:27:43

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 205

TRT#: 3

SEX: Male

DAY ON TEST: 592

DOSE: 220 PPM

DISP: Natural Death

HISTO: 33500

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Bone	* Bone Marrow	* Brain
* Epididymis	* Esophagus	* Intestine Large, Colon	* Intestine Large, Rectum
* Larynx	* Lymph Node, Mediastinal	* Lymph Node, Mesenteric	* Nose
* Parathyroid Gland	* Pituitary Gland	* Preputial Gland	* Prostate
* Salivary Glands	* Skin	* Spleen	* Stomach, Forestomach
* Stomach, Glandular	* Thymus	* Thyroid Gland	* Trachea
* Urinary Bladder			

MISSING

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

AUTO PRECLUDES DIAG.

* Intestine Large, Cecum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Seminal Vesicle			

OBSERVATIONS

* Adrenal Medulla [Pheochromocytoma Malignant TGLS = 2-12]		Pheochromocytoma Malignant	
* Heart		Cardiomyopathy	Minimal
* Islets, Pancreatic		Adenoma	
* Kidney		Nephropathy	Mild
* Liver		Hepatocellular Adenoma	
	Bile Duct	Hyperplasia	Mild
* Lung [Pheochromocytoma Malignant TGLS = 1-3+11+3A]		Pheochromocytoma Malignant	Metastatic (Adrenal Medulla)
* Lymph Node, Bronchial		Pheochromocytoma Malignant	Metastatic (Adrenal Medulla)
* Pancreas		Atrophy	Mild
* Testes [Adenoma TGLS = 3-7]	Bilateral, Interstit Cell	Adenoma	

PRIMARY CAUSE OF DEATH

- Adrenal Medulla Pheochromocytoma Malignant

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05135-07

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Isoprene

CAS Number: 78-79-5

Date Report Requested: 10/22/2014

Time Report Requested: 18:27:43

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 206

TRT#: 3

SEX: Male

DAY ON TEST: 734

DOSE: 220 PPM

DISP: Terminal Sacrifice

HISTO: 33501

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Bone Marrow	* Brain
* Epididymis	* Esophagus	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Larynx	* Lymph Node, Bronchial	* Lymph Node, Mandibular
* Lymph Node, Mesenteric	* Mammary Gland	* Nose	* Parathyroid Gland
* Preputial Gland	* Prostate	* Salivary Glands	* Seminal Vesicle
* Stomach, Forestomach	* Stomach, Glandular	* Thymus	* Trachea
* Urinary Bladder			

MISSING

* Lymph Node, Mediastinal

OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Minimal
* Heart		Cardiomyopathy	Moderate
* Kidney		Nephropathy	Moderate
* Liver		Basophilic Focus	
		Hepatocellular Adenoma	
	Bile Duct	Hyperplasia	Minimal
	[Basophilic Focus TGLS = 4-13]		
	[Hepatocellular Adenoma TGLS = 4-13]		
* Lung	Alveolar Epith	Hyperplasia	Mild
* Pancreas		Atrophy	Mild
		Basophilic Focus	
		Hyperplasia	Mild
* Pituitary Gland	Pars Distalis	Adenoma	
	[Adenoma TGLS = 2-8]		
* Skin	Subcut Tiss	Lipoma	
	[Lipoma TGLS = 1-11+12]		
* Spleen		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLS = 1-11+12]		
* Testes	Interstit Cell	Adenoma	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05135-07
Test Type: CHRONIC
Species/Strain: Rat/F 344/N

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

Date Report Requested: 10/22/2014
Time Report Requested: 18:27:43
First Dose M/F: NA / NA
Lab: BNW

ANIMAL ID: 206

TRT#: 3
DOSE: 220 PPM

SEX: Male
DISP: Terminal Sacrifice

DAY ON TEST: 734
HISTO: 33501

ORGAN AND ACCOUNTABLE SITE STATUS

[Adenoma TGLS = 3-7]	Interstit Cell	Hyperplasia	Moderate
* Thyroid Gland	C Cell	Hyperplasia	Minimal
PRIMARY CAUSE OF DEATH	-		

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05135-07

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Isoprene

CAS Number: 78-79-5

Date Report Requested: 10/22/2014

Time Report Requested: 18:27:43

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 207

TRT#: 3

SEX: Male

DAY ON TEST: 733

DOSE: 220 PPM

DISP: Terminal Sacrifice

HISTO: 33502

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Bone	* Bone Marrow	* Brain	* Epididymis
* Esophagus	* 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
* Mammary Gland	* Nose	* Parathyroid Gland	* Preputial Gland
* Prostate	* Salivary Glands	* Seminal Vesicle	* Stomach, Forestomach
* Stomach, Glandular	* Trachea	* Urinary Bladder	

MISSING

* Thymus

OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Mild
* Adrenal Medulla		Hyperplasia	Minimal
		Pheochromocytoma Benign	
* Heart		Cardiomyopathy	Mild
* Kidney		Nephropathy	Mild
* Liver		Clear Cell Focus	
	Bile Duct	Hyperplasia	Minimal
		Leukemia Mononuclear	
		[Leukemia Mononuclear TGLS = 6-4]	
* Lymph Node, Mandibular		Leukemia Mononuclear	
* Lymph Node, Mesenteric		Leukemia Mononuclear	
Mesentery	Fat	Necrosis	Mild
		[Necrosis TGLS = 3,7-11+12]	
* Pancreas		Hyperplasia	Moderate
* Pituitary Gland	Pars Distalis	Hyperplasia	Mild
* Skin	Subcut Tiss	Fibroma	
		Keratoacanthoma	
		[Fibroma TGLS = 1-13]	
		[Keratoacanthoma TGLS = 2-14]	
* Spleen		Leukemia Mononuclear	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05135-07

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Isoprene

CAS Number: 78-79-5

Date Report Requested: 10/22/2014

Time Report Requested: 18:27:43

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 207

TRT#: 3

SEX: Male

DAY ON TEST: 733

DOSE: 220 PPM

DISP: Terminal Sacrifice

HISTO: 33502

ORGAN AND ACCOUNTABLE SITE STATUS

[Leukemia Mononuclear TGLS = 2-14]

* Testes

Bilateral, Interstit Cell

Adenoma

[Adenoma TGLS = 4,5-7]

* Thyroid Gland

C Cell

Hyperplasia

Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05135-07

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Isoprene

CAS Number: 78-79-5

Date Report Requested: 10/22/2014

Time Report Requested: 18:27:43

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 208

TRT#: 3

SEX: Male

DAY ON TEST: 604

DOSE: 220 PPM

DISP: Moribund Sacrifice

HISTO: 33503

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Lymph Node, Bronchial

OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Mild
* Heart		Cardiomyopathy	Mild
* Kidney		Nephropathy	Moderate
* Lung		Inflammation	Chronic, Focal, Marked
[Inflammation TGLS = 4-11]			
* Mammary Gland		Galactocele	Mild
[Galactocele TGLS = 2-12]			
* Pancreas		Atrophy	Minimal
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 3-8]			
* Testes	Interstit Cell	Hyperplasia	Mild
* Thyroid Gland	C Cell	Hyperplasia	Moderate

PRIMARY CAUSE OF DEATH

- Pituitary Gland Pars Distalis Adenoma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05135-07

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Isoprene

CAS Number: 78-79-5

Date Report Requested: 10/22/2014

Time Report Requested: 18:27:43

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 209

TRT#: 3

SEX: Male

DAY ON TEST: 698

DOSE: 220 PPM

DISP: Moribund Sacrifice

HISTO: 33504

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Bone	* Bone Marrow	* Brain
* Epididymis	* Esophagus	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Larynx	* Lung	* Lymph Node, Mediastinal
* Lymph Node, Mesenteric	* Mammary Gland	* Parathyroid Gland	* Preputial Gland
* Prostate	* Salivary Glands	* Seminal Vesicle	* Skin
* Stomach, Forestomach	* Thymus	* Trachea	* Urinary Bladder

MISSING

* Lymph Node, Bronchial

OBSERVATIONS

* Adrenal Medulla		Hyperplasia	Mild
* Heart		Cardiomyopathy	Mild
* Kidney		Leukemia Mononuclear	
		Nephropathy	Mild
* Liver		Clear Cell Focus	
		Leukemia Mononuclear	
* Lymph Node, Mandibular		Infiltration Cellular	Plasma Cell, Marked
		Leukemia Mononuclear	
* Nose		Inflammation	Suppurative, Minimal
* Pancreas		Atrophy	Mild
* Pituitary Gland	Pars Distalis	Adenoma	
* Spleen		Leukemia Mononuclear	
		[Leukemia Mononuclear TGLS = 3-13]	
* Stomach, Glandular		Carcinoid Tumor Benign	
* Testes	Bilateral, Interstit Cell	Adenoma	
		[Adenoma TGLS = 2-7]	
* Thyroid Gland	C Cell	Hyperplasia	Minimal
Zymbal's Gland		Carcinoma	
		[Carcinoma TGLS = 1-11+12]	

PRIMARY CAUSE OF DEATH

- Zymbal's Gland Carcinoma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05135-07

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Isoprene

CAS Number: 78-79-5

Date Report Requested: 10/22/2014

Time Report Requested: 18:27:43

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 209

TRT#: 3

SEX: Male

DAY ON TEST: 698

DOSE: 220 PPM

DISP: Moribund Sacrifice

HISTO: 33504

ORGAN AND ACCOUNTABLE SITE STATUS

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05135-07

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Isoprene

CAS Number: 78-79-5

Date Report Requested: 10/22/2014

Time Report Requested: 18:27:43

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 210

TRT#: 3

SEX: Male

DAY ON TEST: 734

DOSE: 220 PPM

DISP: Terminal Sacrifice

HISTO: 33505

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Mammary Gland

OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Mild
* Heart		Cardiomyopathy	Mild
* Kidney		Leukemia Mononuclear	
		Nephropathy	Moderate
[Nephropathy TGLS = 7-5]			
* Liver		Degeneration	Cystic, Mild
		Eosinophilic Focus	
	Bile Duct	Hyperplasia	Mild
		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 6-4]			
* Lung	Alveolar Epith	Hyperplasia	Marked
		Leukemia Mononuclear	
[Hyperplasia TGLS = 1-3A]			
[Leukemia Mononuclear TGLS = 6-4]			
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 2-8]			
* Prostate		Hyperplasia	Minimal
* Spleen		Fibrosis	Mild
		Leukemia Mononuclear	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05135-07

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Isoprene

CAS Number: 78-79-5

Date Report Requested: 10/22/2014

Time Report Requested: 18:27:43

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 210

TRT#: 3

SEX: Male

DAY ON TEST: 734

DOSE: 220 PPM

DISP: Terminal Sacrifice

HISTO: 33505

ORGAN AND ACCOUNTABLE SITE STATUS

[Fibrosis TGLS = 4-4]

[Leukemia Mononuclear TGLS = 3-4]

* Testes

Bilateral, Interstit Cell

Adenoma

[Adenoma TGLS = 5-7]

* Thyroid Gland

C Cell

Hyperplasia

Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05135-07

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Isoprene

CAS Number: 78-79-5

Date Report Requested: 10/22/2014

Time Report Requested: 18:27:43

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 211

TRT#: 3

SEX: Male

DAY ON TEST: 723

DOSE: 220 PPM

DISP: Moribund Sacrifice

HISTO: 33506

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Bone Marrow	* Brain
* Epididymis	* Esophagus	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Larynx	* Lymph Node, Mandibular	* Lymph Node, Mediastinal
* Lymph Node, Mesenteric	* Mammary Gland	* Nose	* Preputial Gland
* Salivary Glands	* Seminal Vesicle	* Skin	* Spleen
* Stomach, Forestomach	* Stomach, Glandular	* Thymus	* Trachea
* Urinary Bladder			

MISSING

* Lymph Node, Bronchial

OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Mild
* Heart		Cardiomyopathy	Minimal
* Kidney		Nephropathy	Marked
[Nephropathy TGLS = 2-5]			
* Liver		Basophilic Focus	
		Fatty Change	Minimal
[Basophilic Focus TGLS = 2-5]			
* Lung	Alveolar Epith	Hyperplasia	Minimal
* Pancreas		Atrophy	Minimal
* Parathyroid Gland		Hyperplasia	Mild
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 3-8]			
* Prostate		Hyperplasia	Minimal
* Testes	Interstit Cell	Adenoma	
	Interstit Cell	Hyperplasia	Mild
[Adenoma TGLS = 1-7]			
* Thyroid Gland	C Cell	Adenoma	

PRIMARY CAUSE OF DEATH

- Pituitary Gland Pars Distalis Adenoma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05135-07

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Isoprene

CAS Number: 78-79-5

Date Report Requested: 10/22/2014

Time Report Requested: 18:27:43

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 212

TRT#: 3

SEX: Male

DAY ON TEST: 657

DOSE: 220 PPM

DISP: Moribund Sacrifice

HISTO: 33507

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Bone Marrow	* Brain	* Epididymis
* Esophagus	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Larynx	Lymph Node	* Lymph Node, Bronchial	* Lymph Node, Mediastinal
* Lymph Node, Mesenteric	* Mammary Gland	* Nose	* Pancreas
* Preputial Gland	* Prostate	* Salivary Glands	* Seminal Vesicle
* Stomach, Glandular	* Trachea	* Urinary Bladder	

MISSING

* Lymph Node, Mandibular	* Thymus
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OBSERVATIONS

* Adrenal Medulla		Pheochromocytoma Benign	
* Bone		Fibrous Osteodystrophy	Mild
* Heart		Cardiomyopathy	Mild
* Kidney		Leukemia Mononuclear	
		Nephropathy	Marked
[Nephropathy TGLS = 7-5]			
* Liver		Degeneration	Cystic, Minimal
	Bile Duct	Hyperplasia	Mild
		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 6-4]			
* Lung	Alveolar Epith	Hyperplasia	Minimal
		Leukemia Mononuclear	
* Parathyroid Gland		Hyperplasia	Mild
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 2-8]			
* Skin	Subcut Tiss	Fibroma	
[Fibroma TGLS = 1-13+14+15]			
* Spleen		Fibrosis	Mild
		Leukemia Mononuclear	
[Fibrosis TGLS = 5-11]			

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05135-07

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Isoprene

CAS Number: 78-79-5

Date Report Requested: 10/22/2014

Time Report Requested: 18:27:43

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 212

TRT#: 3

SEX: Male

DAY ON TEST: 657

DOSE: 220 PPM

DISP: Moribund Sacrifice

HISTO: 33507

ORGAN AND ACCOUNTABLE SITE STATUS

[Leukemia Mononuclear TGLS = 9-11]

* Stomach, Forestomach

Necrosis

Moderate

[Necrosis TGLS = 10-12]

* Testes

Bilateral, Interstit Cell

Adenoma

[Adenoma TGLS = 3,4-7]

* Thyroid Gland

C Cell

Hyperplasia

Minimal

PRIMARY CAUSE OF DEATH

- Spleen Leukemia Mononuclear

CONTRIBUTORY CAUSE OF DEATH

- Kidney Nephropathy; Pituitary Gland Pars Distalis Adenoma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05135-07

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Isoprene

CAS Number: 78-79-5

Date Report Requested: 10/22/2014

Time Report Requested: 18:27:43

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 213

TRT#: 3

SEX: Male

DAY ON TEST: 597

DOSE: 220 PPM

DISP: Moribund Sacrifice

HISTO: 33508

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Mild
* Heart		Cardiomyopathy	Mild
* Kidney		Nephropathy	Mild
* Lymph Node, Mandibular		Infiltration Cellular	Plasma Cell, Marked
[Infiltration Cellular TGLS = 5-7]			
Mesentery	Fat	Necrosis	Mild
[Necrosis TGLS = 3-11]			
* Nose	Respirat Epith	Hyperplasia	Minimal
		Inflammation	Suppurative, Mild
* Pancreas		Atrophy	Mild
* Parathyroid Gland		Hyperplasia	Mild
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 2-8]			
* Thyroid Gland	C Cell	Hyperplasia	Minimal
Tooth		Developmental Malformation	
[Developmental Malformation TGLS = 1-9]			

PRIMARY CAUSE OF DEATH

- Pituitary Gland Pars Distalis Adenoma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05135-07

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Isoprene

CAS Number: 78-79-5

Date Report Requested: 10/22/2014

Time Report Requested: 18:27:43

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 214

TRT#: 3

SEX: Male

DAY ON TEST: 719

DOSE: 220 PPM

DISP: Moribund Sacrifice

HISTO: 33509

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Bone	* Brain	* Epididymis	* Esophagus
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Larynx
* Lung	* Lymph Node, Bronchial	* Lymph Node, Mandibular	* Lymph Node, Mediastinal
* Lymph Node, Mesenteric	* Mammary Gland	* Nose	* Pancreas
* Parathyroid Gland	* Preputial Gland	* Prostate	* Salivary Glands
* Seminal Vesicle	* Skin	* Spleen	* Stomach, Forestomach
* Stomach, Glandular	* Thymus	* Trachea	* Urinary Bladder

OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Minimal
* Adrenal Medulla		Hyperplasia	Moderate
* Bone Marrow		Hyperplasia	Histiocytic, Mild
* Heart		Cardiomyopathy	Mild
* Kidney	Renal Tubule	Adenoma	
		Nephropathy	Marked
	[Nephropathy TGLS = 5-5]		
* Liver		Basophilic Focus	
		Fatty Change	Mild
	Bile Duct	Hyperplasia	Minimal
		Inflammation	Granulomatous, Minimal
	Note: "Focus, 1-5mm dia, dark", noted at necropsy, was blood in normal hepatic vasculature.		
	[Basophilic Focus TGLS = 5-5]		
* Pituitary Gland	Pars Distalis	Adenoma	
	[Adenoma TGLS = 3-8]		
* Testes	Bilateral, Interstit Cell	Adenoma	
	[Adenoma TGLS = 4-7]		
* Thyroid Gland	C Cell	Hyperplasia	Minimal

PRIMARY CAUSE OF DEATH - Pituitary Gland Pars Distalis Adenoma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05135-07

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Isoprene

CAS Number: 78-79-5

Date Report Requested: 10/22/2014

Time Report Requested: 18:27:43

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 215

TRT#: 3

SEX: Male

DAY ON TEST: 733

DOSE: 220 PPM

DISP: Terminal Sacrifice

HISTO: 33510

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Bone Marrow	* Brain
* Epididymis	* Esophagus	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Larynx	* Lymph Node, Mandibular	* Lymph Node, Mediastinal
* Lymph Node, Mesenteric	* Mammary Gland	* Parathyroid Gland	* Preputial Gland
* Salivary Glands	* Seminal Vesicle	* Skin	* Spleen
* Stomach, Forestomach	* Stomach, Glandular	* Thymus	* Trachea
* Urinary Bladder			

MISSING

* Lymph Node, Bronchial

OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Mild
* Heart		Cardiomyopathy	Mild
* Kidney		Nephropathy	Moderate
* Liver		Basophilic Focus	
		Clear Cell Focus	
	Bile Duct	Hyperplasia	Minimal
[Clear Cell Focus TGLS = 2-11]			
* Lung	Alveolar Epith	Hyperplasia	Minimal
* Nose	Olfactory Epi	Metaplasia	Mild
* Pancreas		Atrophy	Minimal
* Pituitary Gland	Pars Distalis	Adenoma	
* Prostate		Hyperplasia	Mild
* Testes	Bilateral, Interstit Cell	Adenoma	
[Adenoma TGLS = 1-7]			
* Thyroid Gland	C Cell	Adenoma	

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05135-07

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Isoprene

CAS Number: 78-79-5

Date Report Requested: 10/22/2014

Time Report Requested: 18:27:43

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 216

TRT#: 3

SEX: Male

DAY ON TEST: 733

DOSE: 220 PPM

DISP: Terminal Sacrifice

HISTO: 33511

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Bone	* Bone Marrow	* Brain	* Esophagus
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Larynx
* Lymph Node, Bronchial	* Lymph Node, Mandibular	* Lymph Node, Mediastinal	* Lymph Node, Mesenteric
* Mammary Gland	* Nose	* Pancreas	* Parathyroid Gland
* Preputial Gland	* Prostate	* Salivary Glands	* Seminal Vesicle
* Skin	* Stomach, Forestomach	* Stomach, Glandular	* Thymus
* Trachea	* Urinary Bladder		

OBSERVATIONS

* Adrenal Cortex		Vacuolization Cytoplasmic	Mild
* Adrenal Medulla		Pheochromocytoma Benign	
* Epididymis		Mesothelioma Benign	
* Heart		Cardiomyopathy	Moderate
* Kidney		Nephropathy	Mild
* Liver	Bile Duct	Hyperplasia	Minimal
* Lung		Inflammation	Chronic Active, Mild
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 2-8]			
* Spleen		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 2-8]			
* Testes	Bilateral, Interstit Cell	Adenoma	
[Adenoma TGLS = 3-7]			
* Thyroid Gland	Follicular Cel	Carcinoma	
[Carcinoma TGLS = 1-11]			

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05135-07

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Isoprene

CAS Number: 78-79-5

Date Report Requested: 10/22/2014

Time Report Requested: 18:27:43

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 217

TRT#: 3

SEX: Male

DAY ON TEST: 734

DOSE: 220 PPM

DISP: Terminal Sacrifice

HISTO: 33512

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Bone	* Bone Marrow	* Brain	* Epididymis
* Esophagus	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Larynx	* Lymph Node, Bronchial	* Lymph Node, Mandibular	* Lymph Node, Mesenteric
* Preputial Gland	* Salivary Glands	* Seminal Vesicle	* Skin
* Stomach, Forestomach	* Stomach, Glandular	* Thymus	* Trachea
* Urinary Bladder			

MISSING

* Mammary Gland

OBSERVATIONS

* Adrenal Cortex		Hypertrophy	Mild
		Leukemia Mononuclear	
		Vacuolization Cytoplasmic	Moderate
[Leukemia Mononuclear TGLS = 9-10]			
* Adrenal Medulla		Leukemia Mononuclear	
* Heart		Cardiomyopathy	Mild
* Kidney		Leukemia Mononuclear	
		Nephropathy	Moderate
[Nephropathy TGLS = 4-5]			
* Liver	Bile Duct	Hyperplasia	Mild
		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 3-4]			
* Lung		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 2-3+3A]			
Lymph Node	Pancreatic	Leukemia Mononuclear	
* Lymph Node, Mediastinal		Leukemia Mononuclear	
Mesentery	Fat	Necrosis	Mild
[Necrosis TGLS = 8-12]			
* Nose		Inflammation	Suppurative, Mild
		Leukemia Mononuclear	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05135-07
Test Type: CHRONIC
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

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

Date Report Requested: 10/22/2014
Time Report Requested: 18:27:43
First Dose M/F: NA / NA
Lab: BNW

ANIMAL ID: 217	TRT#: 3	SEX: Male	DAY ON TEST: 734
	DOSE: 220 PPM	DISP: Terminal Sacrifice	HISTO: 33512

ORGAN AND ACCOUNTABLE SITE STATUS

Oral Mucosa [Hyperplasia TGLS = 9-10]	Olfactory Epi Pharyngeal	Metaplasia Hyperplasia	Mild Squamous, Marked
* Pancreas		Atrophy	Mild
* Parathyroid Gland		Adenoma	
* Pituitary Gland [Adenoma TGLS = 1-8]	Pars Distalis	Adenoma Leukemia Mononuclear	
* Prostate		Hyperplasia	Minimal
* Spleen		Leukemia Mononuclear	
* Testes [Adenoma TGLS = 6,7-7]	Bilateral, Interstit Cell	Adenoma	
* Thyroid Gland	C Cell	Hyperplasia	Minimal

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05135-07

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Isoprene

CAS Number: 78-79-5

Date Report Requested: 10/22/2014

Time Report Requested: 18:27:43

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 218

TRT#: 3

SEX: Male

DAY ON TEST: 398

DOSE: 220 PPM

DISP: Moribund Sacrifice

HISTO: 33513

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Lymph Node, Mediastinal	* Thymus
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OBSERVATIONS

* Adrenal Medulla	Hyperplasia	Minimal
* Heart	Cardiomyopathy	Mild
* Kidney	Nephropathy	Minimal
* Lung	Inflammation	Chronic Active, Minimal
* Preputial Gland	Carcinoma	
[Carcinoma TGLS = 1-11+12+13]		
* Spleen	Hematopoietic Cell Proliferation	Mild
* Testes	Interstitial Cell	
	Interstitial Cell	
	Adenoma	
	Hyperplasia	Mild

PRIMARY CAUSE OF DEATH

- Preputial Gland Carcinoma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05135-07

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Isoprene

CAS Number: 78-79-5

Date Report Requested: 10/22/2014

Time Report Requested: 18:27:43

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 219

TRT#: 3

SEX: Male

DAY ON TEST: 510

DOSE: 220 PPM

DISP: Moribund Sacrifice

HISTO: 33514

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Lymph Node, Bronchial	* Mammary Gland
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OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Minimal
* Heart		Cardiomyopathy	Mild
* Kidney		Nephropathy	Moderate
[Nephropathy TGLS = 4-5]			
* Liver		Fatty Change	Moderate
[Fatty Change TGLS = 3-4]			
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 2-8]			
* Stomach, Forestomach		Necrosis	Moderate
[Necrosis TGLS = 5-8]			
* Testes	Interstit Cell	Hyperplasia	Mild
* Thyroid Gland	C Cell	Hyperplasia	Minimal

PRIMARY CAUSE OF DEATH - Pituitary Gland Pars Distalis Adenoma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05135-07

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Isoprene

CAS Number: 78-79-5

Date Report Requested: 10/22/2014

Time Report Requested: 18:27:43

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 220

TRT#: 3

SEX: Male

DAY ON TEST: 702

DOSE: 220 PPM

DISP: Moribund Sacrifice

HISTO: 33515

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Brain	* Epididymis
* Esophagus	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Larynx
* Lymph Node, Mandibular	* Lymph Node, Mediastinal	* Lymph Node, Mesenteric	* Mammary Gland
* Nose	* Pancreas	* Preputial Gland	* Prostate
* Salivary Glands	* Seminal Vesicle	* Skin	* Thymus
* Trachea	* Urinary Bladder		

MISSING

* Parathyroid Gland

OBSERVATIONS

* Adrenal Cortex		Vacuolization Cytoplasmic	Minimal
* Bone Marrow		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 5-8]			
* Heart		Cardiomyopathy	Mild
* Intestine Small, Duodenum		Necrosis	Minimal
* Kidney		Leukemia Mononuclear	
		Nephropathy	Mild
* Liver	Bile Duct	Hyperplasia	Mild
		Leukemia Mononuclear	
	Centrilobular	Necrosis	Mild
[Leukemia Mononuclear TGLS = 4-4]			
* Lung		Inflammation	Chronic Active, Minimal
		Leukemia Mononuclear	
* Lymph Node, Bronchial		Leukemia Mononuclear	
* Pituitary Gland	Pars Distalis	Hyperplasia	Moderate
		Leukemia Mononuclear	
* Spleen		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 1-11]			
* Stomach, Forestomach		Necrosis	Mild
* Stomach, Glandular		Necrosis	Mild

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05135-07

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Isoprene

CAS Number: 78-79-5

Date Report Requested: 10/22/2014

Time Report Requested: 18:27:43

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 220

TRT#: 3

SEX: Male

DAY ON TEST: 702

DOSE: 220 PPM

DISP: Moribund Sacrifice

HISTO: 33515

ORGAN AND ACCOUNTABLE SITE STATUS

* Testes [Adenoma TGLS = 2,3-7]	Bilateral, Interstit Cell	Adenoma	
* Thyroid Gland	C Cell Follicular Cel	Hyperplasia Hyperplasia	Minimal Minimal

PRIMARY CAUSE OF DEATH - Spleen Leukemia Mononuclear

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05135-07

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Isoprene

CAS Number: 78-79-5

Date Report Requested: 10/22/2014

Time Report Requested: 18:27:43

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 221

TRT#: 3

SEX: Male

DAY ON TEST: 549

DOSE: 220 PPM

DISP: Moribund Sacrifice

HISTO: 33516

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Bone	* Bone Marrow	* Brain
* Epididymis	* Esophagus	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Larynx	* Lymph Node, Mandibular	* Mammary Gland
* Nose	* Pancreas	* Parathyroid Gland	* Preputial Gland
* Prostate	* Salivary Glands	* Seminal Vesicle	* Skin
* Stomach, Glandular	* Thyroid Gland	* Trachea	* Urinary Bladder

MISSING

* Thymus

OBSERVATIONS

* Adrenal Medulla		Hyperplasia Pheochromocytoma Benign	Mild
[Pheochromocytoma Benign TGLS = 7-6+12]			
* Heart		Cardiomyopathy	Mild
* Kidney		Nephropathy	Mild
* Liver		Histiocytic Sarcoma	
	Bile Duct	Hyperplasia	Mild
	Centrilobular	Necrosis	Mild
* Lung		Histiocytic Sarcoma	
[Histiocytic Sarcoma TGLS = 1-3]			
* Lymph Node, Bronchial		Histiocytic Sarcoma	
[Histiocytic Sarcoma TGLS = 7-6+12]			
* Lymph Node, Mediastinal		Histiocytic Sarcoma	
[Histiocytic Sarcoma TGLS = 8-2]			
* Lymph Node, Mesenteric		Histiocytic Sarcoma	
[Histiocytic Sarcoma TGLS = 7-6+12]			
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 4-8]			
* Spleen		Fibrosis Histiocytic Sarcoma	Mild

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05135-07

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Isoprene

CAS Number: 78-79-5

Date Report Requested: 10/22/2014

Time Report Requested: 18:27:43

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 221

TRT#: 3

SEX: Male

DAY ON TEST: 549

DOSE: 220 PPM

DISP: Moribund Sacrifice

HISTO: 33516

ORGAN AND ACCOUNTABLE SITE STATUS

[Fibrosis TGLS = 6-11]

[Histiocytic Sarcoma TGLS = 6-11]

* Stomach, Forestomach

Histiocytic Sarcoma

* Testes

Interstit Cell

Hyperplasia

Mild

PRIMARY CAUSE OF DEATH

- Spleen Histiocytic Sarcoma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05135-07

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Isoprene

CAS Number: 78-79-5

Date Report Requested: 10/22/2014

Time Report Requested: 18:27:43

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 222

TRT#: 3

SEX: Male

DAY ON TEST: 693

DOSE: 220 PPM

DISP: Moribund Sacrifice

HISTO: 33517

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Epididymis	* Esophagus	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Larynx	* Lymph Node, Bronchial	* Pancreas
* Parathyroid Gland	* Preputial Gland	* Prostate	* Salivary Glands
* Seminal Vesicle	* Skin	* Stomach, Glandular	* Thymus
* Trachea	* Urinary Bladder		

OBSERVATIONS

* Adrenal Cortex		Hypertrophy	Mild
		Leukemia Mononuclear	
* Adrenal Medulla		Hyperplasia	Moderate
		Leukemia Mononuclear	
* Bone		Hyperostosis	Minimal
* Bone Marrow		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 8-2]			
* Brain		Gliosis	Mild
* Heart		Cardiomyopathy	Minimal
	Atrium	Thrombosis	Minimal
* Kidney		Infarct	Marked
		Leukemia Mononuclear	
		Nephropathy	Marked
[Infarct TGLS = 5-5]			
[Nephropathy TGLS = 4-5]			
* Liver		Degeneration	Cystic, Mild
	Bile Duct	Hyperplasia	Mild
		Leukemia Mononuclear	
	Centrilobular	Necrosis	Mild
[Leukemia Mononuclear TGLS = 6-4]			
* Lung	Alveolar Epith	Hyperplasia	Minimal
		Leukemia Mononuclear	
* Lymph Node, Mandibular		Leukemia Mononuclear	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05135-07

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Isoprene

CAS Number: 78-79-5

Date Report Requested: 10/22/2014

Time Report Requested: 18:27:43

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 222

TRT#: 3

SEX: Male

DAY ON TEST: 693

DOSE: 220 PPM

DISP: Moribund Sacrifice

HISTO: 33517

ORGAN AND ACCOUNTABLE SITE STATUS

* Lymph Node, Mediastinal		Leukemia Mononuclear	
* Lymph Node, Mesenteric		Leukemia Mononuclear	
* Mammary Gland		Galactocele	Moderate
[Galactocele TGLS = 1-12]			
* Nose		Leukemia Mononuclear	
* Pituitary Gland	Pars Distalis	Adenoma	
		Leukemia Mononuclear	
[Adenoma TGLS = 2-8]			
[Leukemia Mononuclear TGLS = 1-12]			
* Spleen		Fibrosis	Minimal
		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 3-11]			
* Stomach, Forestomach		Necrosis	Moderate
* Testes	Interstit Cell	Adenoma	
* Thyroid Gland	C Cell	Hyperplasia	Moderate
PRIMARY CAUSE OF DEATH	- Spleen	Leukemia Mononuclear	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05135-07

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Isoprene

CAS Number: 78-79-5

Date Report Requested: 10/22/2014

Time Report Requested: 18:27:43

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 223

TRT#: 3

SEX: Male

DAY ON TEST: 733

DOSE: 220 PPM

DISP: Terminal Sacrifice

HISTO: 33518

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Bone	* Bone Marrow	* Brain	* Epididymis
* Esophagus	* 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	* Parathyroid Gland	* Preputial Gland	* Salivary Glands
* Seminal Vesicle	* Spleen	* Stomach, Forestomach	* Stomach, Glandular
* Thymus	* Thyroid Gland	* Trachea	* Urinary Bladder

MISSING

* Lymph Node, Mesenteric

OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Mild
* Adrenal Medulla		Hyperplasia	Moderate
* Heart		Cardiomyopathy	Mild
* Kidney		Nephropathy	Moderate
[Nephropathy TGLS = 4-5]			
* Liver		Clear Cell Focus	
[Clear Cell Focus TGLS = 4-5]			
* Mammary Gland		Fibroadenoma	
[Fibroadenoma TGLS = 1-11]			
* Nose		Foreign Body	
		Inflammation	Suppurative, Minimal
* Pancreas		Atrophy	Mild
		Basophilic Focus	
		Hyperplasia	Moderate
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 3-8]			
* Prostate		Hyperplasia	Moderate
* Skin		Basal Cell Adenoma	
		Squamous Cell Papilloma	
[Basal Cell Adenoma TGLS = 7-12]			

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05135-07

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Isoprene

CAS Number: 78-79-5

Date Report Requested: 10/22/2014

Time Report Requested: 18:27:43

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 223

TRT#: 3

SEX: Male

DAY ON TEST: 733

DOSE: 220 PPM

DISP: Terminal Sacrifice

HISTO: 33518

ORGAN AND ACCOUNTABLE SITE STATUS

[Squamous Cell Papilloma TGLS = 2-12]

* Testes

Interstit Cell

Adenoma

Atrophy

Moderate

[Adenoma TGLS = 6-7]

[Atrophy TGLS = 5-7]

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05135-07

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Isoprene

CAS Number: 78-79-5

Date Report Requested: 10/22/2014

Time Report Requested: 18:27:43

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 224

TRT#: 3

SEX: Male

DAY ON TEST: 602

DOSE: 220 PPM

DISP: Moribund Sacrifice

HISTO: 33519

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Brain	* Epididymis
* Esophagus	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Larynx	* Lymph Node, Bronchial	* Lymph Node, Mandibular	* Lymph Node, Mediastinal
* Lymph Node, Mesenteric	* Mammary Gland	* Preputial Gland	* Prostate
* Salivary Glands	* Seminal Vesicle	* Skin	* Stomach, Forestomach
* Thymus	* Trachea	* Urinary Bladder	

OBSERVATIONS

* Adrenal Cortex		Vacuolization Cytoplasmic	Mild
* Bone Marrow		Leukemia Mononuclear	
Eye	Retina	Atrophy	Marked
		Cataract	Moderate
[Cataract TGLS = 1-12]			
* Heart	Atrium	Thrombosis	Moderate
* Kidney		Nephropathy	Mild
* Liver	Bile Duct	Hyperplasia	Mild
		Leukemia Mononuclear	
	Centrilobular	Necrosis	Minimal
* Lung		Inflammation	Chronic Active, Minimal
Lymph Node	Pancreatic	Leukemia Mononuclear	
* Nose		Thrombosis	Moderate
* Pancreas		Atrophy	Minimal
* Parathyroid Gland		Hyperplasia	Minimal
* Pituitary Gland	Pars Distalis	Adenoma	
* Spleen		Fibrosis	Moderate
		Leukemia Mononuclear	
[Fibrosis TGLS = 4-11]			
[Leukemia Mononuclear TGLS = 3-11]			
* Stomach, Glandular		Necrosis	Mild
* Testes	Bilateral, Interstit Cell	Adenoma	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05135-07

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Isoprene

CAS Number: 78-79-5

Date Report Requested: 10/22/2014

Time Report Requested: 18:27:43

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 224

TRT#: 3

SEX: Male

DAY ON TEST: 602

DOSE: 220 PPM

DISP: Moribund Sacrifice

HISTO: 33519

ORGAN AND ACCOUNTABLE SITE STATUS

[Adenoma TGLS = 5-7]

* Thyroid Gland

C Cell

Hyperplasia

Mild

PRIMARY CAUSE OF DEATH

- Spleen Leukemia Mononuclear

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05135-07

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Isoprene

CAS Number: 78-79-5

Date Report Requested: 10/22/2014

Time Report Requested: 18:27:43

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 225

TRT#: 3

SEX: Male

DAY ON TEST: 535

DOSE: 220 PPM

DISP: Natural Death

HISTO: 33520

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Bone	* Brain	* Epididymis	* Esophagus
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Islets, Pancreatic	* Larynx	* Lymph Node, Mesenteric
* Mammary Gland	* Pancreas	* Parathyroid Gland	* Preputial Gland
* Prostate	* Salivary Glands	* Seminal Vesicle	* Skin
* Stomach, Glandular	* Trachea	* Urinary Bladder	

AUTO PRECLUDES DIAG.

* Intestine Small, Jejunum

OBSERVATIONS

* Adrenal Cortex		Leukemia Mononuclear	
* Adrenal Medulla		Leukemia Mononuclear	
* Bone Marrow		Leukemia Mononuclear	
* Heart		Cardiomyopathy	Mild
* Kidney		Leukemia Mononuclear	
		Nephropathy	Mild
* Liver		Leukemia Mononuclear	
	Centrilobular	Necrosis	Mild
* Lung		Inflammation	Chronic Active, Marked
		Leukemia Mononuclear	
		Thrombosis	Moderate
[Inflammation TGLS = 3-3+3A]			
Lymph Node	Pancreatic	Leukemia Mononuclear	
* Lymph Node, Bronchial		Leukemia Mononuclear	
* Lymph Node, Mandibular		Leukemia Mononuclear	
* Lymph Node, Mediastinal		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 4-8]			
* Nose		Foreign Body	
		Inflammation	Suppurative, Minimal
		Thrombosis	Marked
* Pituitary Gland	Pars Distalis	Adenoma	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05135-07
Test Type: CHRONIC
Species/Strain: Rat/F 344/N

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

Date Report Requested: 10/22/2014
Time Report Requested: 18:27:43
First Dose M/F: NA / NA
Lab: BNW

ANIMAL ID: 225	TRT#: 3 DOSE: 220 PPM	SEX: Male DISP: Natural Death	DAY ON TEST: 535 HISTO: 33520
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ORGAN AND ACCOUNTABLE SITE STATUS

[Adenoma TGLS = 1-8]			
* Spleen		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 2-11]			
* Stomach, Forestomach		Necrosis	Moderate
[Necrosis TGLS = 4-8]			
* Testes	Interstit Cell	Adenoma	
* Thymus		Leukemia Mononuclear	
* Thyroid Gland	C Cell	Hyperplasia	Minimal

PRIMARY CAUSE OF DEATH - Spleen Leukemia Mononuclear

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05135-07

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Isoprene

CAS Number: 78-79-5

Date Report Requested: 10/22/2014

Time Report Requested: 18:27:43

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 226

TRT#: 3

SEX: Male

DAY ON TEST: 657

DOSE: 220 PPM

DISP: Moribund Sacrifice

HISTO: 33521

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Bone	* Bone Marrow	* Brain	* Epididymis
* Esophagus	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Larynx	* Lymph Node, Bronchial	* Lymph Node, Mesenteric	* Mammary Gland
* Pancreas	* Preputial Gland	* Prostate	* Salivary Glands
* Seminal Vesicle	* Skin	* Stomach, Forestomach	* Stomach, Glandular
* Trachea	* Urinary Bladder		

OBSERVATIONS

* Adrenal Cortex		Leukemia Mononuclear	
* Adrenal Medulla		Leukemia Mononuclear	
* Heart		Pheochromocytoma Benign	
	Atrium	Cardiomyopathy	Minimal
	[Thrombosis TGLS = 5-11]	Thrombosis	Mild
* Kidney		Leukemia Mononuclear	
	[Nephropathy TGLS = 4-5]	Nephropathy	Moderate
* Liver		Eosinophilic Focus	
	Bile Duct	Hyperplasia	Mild
	Centrilobular	Leukemia Mononuclear	
	[Leukemia Mononuclear TGLS = 3-4]	Necrosis	Minimal
* Lung		Inflammation	Chronic Active, Minimal
* Lymph Node, Mandibular		Leukemia Mononuclear	
* Lymph Node, Mediastinal		Leukemia Mononuclear	
* Nose		Thrombosis	Minimal
* Parathyroid Gland		Cyst	Moderate
* Pituitary Gland	Pars Distalis	Adenoma	
		Leukemia Mononuclear	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05135-07

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Isoprene

CAS Number: 78-79-5

Date Report Requested: 10/22/2014

Time Report Requested: 18:27:43

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 226

TRT#: 3

SEX: Male

DAY ON TEST: 657

DOSE: 220 PPM

DISP: Moribund Sacrifice

HISTO: 33521

ORGAN AND ACCOUNTABLE SITE STATUS

[Adenoma TGLS = 1-8]

* Spleen

Leukemia Mononuclear

[Leukemia Mononuclear TGLS = 1-8]

* Testes

Bilateral, Interstit Cell

Adenoma

[Adenoma TGLS = 2-7]

* Thymus

Leukemia Mononuclear

[Leukemia Mononuclear TGLS = 2-7]

* Thyroid Gland

C Cell

Hyperplasia

Minimal

PRIMARY CAUSE OF DEATH

- Spleen Leukemia Mononuclear

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05135-07

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Isoprene

CAS Number: 78-79-5

Date Report Requested: 10/22/2014

Time Report Requested: 18:27:43

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 227

TRT#: 3

SEX: Male

DAY ON TEST: 734

DOSE: 220 PPM

DISP: Terminal Sacrifice

HISTO: 33522

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Bone	* Bone Marrow	* Brain	* Epididymis
* Esophagus	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Larynx	* Lymph Node, Mandibular	* Lymph Node, Mediastinal	* Lymph Node, Mesenteric
* Nose	* Pancreas	* Parathyroid Gland	* Preputial Gland
* Salivary Glands	* Seminal Vesicle	* Stomach, Forestomach	* Thymus
* Trachea	* Urinary Bladder		

INSUFFICIENT TISSUE

* Mammary Gland

OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Mild
		Hypertrophy	Mild
		Angiectasis	Marked
* Adrenal Medulla			
[Angiectasis TGLS = 7-14]			
* Heart		Cardiomyopathy	Mild
* Kidney		Leukemia Mononuclear	
		Nephropathy	Moderate
[Nephropathy TGLS = 6-5]			
* Liver	Bile Duct	Hyperplasia	Mild
		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 5-4]			
* Lung		Inflammation	Chronic Active, Minimal
* Lymph Node, Bronchial		Leukemia Mononuclear	
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 1-8]			
* Prostate		Hyperplasia	Moderate
* Skin		Keratoacanthoma	
[Keratoacanthoma TGLS = 8-11+12]			
* Spleen		Fibrosis	Mild
		Leukemia Mononuclear	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05135-07

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Isoprene

CAS Number: 78-79-5

Date Report Requested: 10/22/2014

Time Report Requested: 18:27:43

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 227

TRT#: 3

SEX: Male

DAY ON TEST: 734

DOSE: 220 PPM

DISP: Terminal Sacrifice

HISTO: 33522

ORGAN AND ACCOUNTABLE SITE STATUS

[Fibrosis TGLS = 4-13]

[Leukemia Mononuclear TGLS = 3-13]

* Stomach, Glandular

Mineralization

Minimal

* Testes

Bilateral, Interstit Cell

Adenoma

[Adenoma TGLS = 2-7]

* Thyroid Gland

C Cell

Hyperplasia

Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05135-07

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Isoprene

CAS Number: 78-79-5

Date Report Requested: 10/22/2014

Time Report Requested: 18:27:43

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 228

TRT#: 3

SEX: Male

DAY ON TEST: 733

DOSE: 220 PPM

DISP: Terminal Sacrifice

HISTO: 33523

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Bone	* Brain	* Epididymis	* Esophagus
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Larynx
* Mammary Gland	* Nose	* Parathyroid Gland	* Preputial Gland
* Prostate	* Salivary Glands	* Seminal Vesicle	* Skin
* Stomach, Forestomach	* Stomach, Glandular	* Thymus	* Thyroid Gland
* Trachea	* Urinary Bladder		

OBSERVATIONS

* Adrenal Cortex		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 6-7]			
* Adrenal Medulla		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 6-7]	Bilateral	Pheochromocytoma Benign	
* Bone Marrow		Leukemia Mononuclear	
* Heart		Cardiomyopathy	Mild
		Leukemia Mononuclear	
* Kidney		Leukemia Mononuclear	
		Nephropathy	Moderate
* Liver	Bile Duct	Hyperplasia	Mild
[Leukemia Mononuclear TGLS = 4-4]		Leukemia Mononuclear	
* Lung	Alveolar Epith	Hyperplasia	Minimal
[Leukemia Mononuclear TGLS = 4-4]		Leukemia Mononuclear	
Lymph Node	Pancreatic	Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 5-12]	Renal	Leukemia Mononuclear	
* Lymph Node, Bronchial		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 6-7]			
* Lymph Node, Mandibular		Leukemia Mononuclear	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05135-07

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Isoprene

CAS Number: 78-79-5

Date Report Requested: 10/22/2014

Time Report Requested: 18:27:43

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 228

TRT#: 3

SEX: Male

DAY ON TEST: 733

DOSE: 220 PPM

DISP: Terminal Sacrifice

HISTO: 33523

ORGAN AND ACCOUNTABLE SITE STATUS

[Leukemia Mononuclear TGLS = 6-7]

* Lymph Node, Mediastinal

Leukemia Mononuclear

* Lymph Node, Mesenteric

Leukemia Mononuclear

[Leukemia Mononuclear TGLS = 1-7]

* Pancreas

Atrophy

Minimal

* Pituitary Gland

Pars Distalis

Hyperplasia

Moderate

Leukemia Mononuclear

* Spleen

Leukemia Mononuclear

[Leukemia Mononuclear TGLS = 2,3-11]

* Testes

Bilateral, Interstit Cell

Adenoma

[Adenoma TGLS = 1-7]

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05135-07

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Isoprene

CAS Number: 78-79-5

Date Report Requested: 10/22/2014

Time Report Requested: 18:27:43

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 229

TRT#: 3

SEX: Male

DAY ON TEST: 717

DOSE: 220 PPM

DISP: Natural Death

HISTO: 33524

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Bone	* Bone Marrow	* Brain	* Esophagus
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Larynx
* Lymph Node, Bronchial	* Lymph Node, Mandibular	* Lymph Node, Mediastinal	* Lymph Node, Mesenteric
* Nose	* Parathyroid Gland	* Preputial Gland	* Prostate
* Salivary Glands	* Seminal Vesicle	* Skin	* Thymus
* Trachea	* Urinary Bladder		

OBSERVATIONS

* Adrenal Cortex		Hypertrophy	Minimal
* Adrenal Medulla		Hyperplasia	Mild
* Epididymis		Mesothelioma Benign	
* Heart		Cardiomyopathy	Mild
* Kidney		Nephropathy	Moderate
* Liver		Degeneration	Cystic, Mild
	Bile Duct	Hyperplasia	Mild
* Lung		Inflammation	Chronic Active, Minimal
* Mammary Gland		Carcinoma	
[Carcinoma TGLS = 1-12]			
* Pancreas		Atrophy	Mild
		Mesothelioma Benign	
[Mesothelioma Benign TGLS = 1-12]			
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 2-8]			
* Spleen		Hematopoietic Cell Proliferation	Moderate
		Mesothelioma Benign	
* Stomach, Forestomach		Mesothelioma Benign	
* Stomach, Glandular		Mesothelioma Benign	
* Testes	Bilateral, Interstit Cell	Adenoma	
[Adenoma TGLS = 3-7]			
* Thyroid Gland	Follicular Cel	Adenoma	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05135-07

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Isoprene

CAS Number: 78-79-5

Date Report Requested: 10/22/2014

Time Report Requested: 18:27:43

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 229

TRT#: 3

SEX: Male

DAY ON TEST: 717

DOSE: 220 PPM

DISP: Natural Death

HISTO: 33524

ORGAN AND ACCOUNTABLE SITE STATUS

PRIMARY CAUSE OF DEATH

- Pituitary Gland Pars Distalis Adenoma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05135-07

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Isoprene

CAS Number: 78-79-5

Date Report Requested: 10/22/2014

Time Report Requested: 18:27:43

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 230

TRT#: 3

SEX: Male

DAY ON TEST: 588

DOSE: 220 PPM

DISP: Moribund Sacrifice

HISTO: 33525

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Bone	* Bone Marrow	* Brain	* Epididymis
* Esophagus	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Larynx	* Lymph Node, Bronchial	* Lymph Node, Mandibular	* Lymph Node, Mediastinal
* Lymph Node, Mesenteric	* Mammary Gland	* Parathyroid Gland	* Preputial Gland
* Prostate	* Salivary Glands	* Seminal Vesicle	* Spleen
* Stomach, Forestomach	* Stomach, Glandular	* Thymus	* Trachea
* Urinary Bladder			

OBSERVATIONS

* Adrenal Cortex		Hypertrophy	Minimal
* Adrenal Medulla		Pheochromocytoma Benign	
Eye	Cornea	Inflammation	Chronic Active, Moderate
[Inflammation TGLS = 2-15]			
* Heart		Cardiomyopathy	Mild
* Kidney		Nephropathy	Mild
* Liver		Basophilic Focus	
[Fatty Change TGLS = 7-11]		Fatty Change	Minimal
* Lung	Alveolar Epith	Hyperplasia	Minimal
Mesentery	Fat	Necrosis	Mild
[Necrosis TGLS = 5,6-17+18]			
* Nose		Inflammation	Suppurative, Moderate
* Pancreas		Atrophy	Mild
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 4-8]			
* Skin	Sebaceous GI	Adenoma	
[Adenoma TGLS = 3-16]		Inflammation	Chronic Active, Marked
[Inflammation TGLS = 1-14+9+10]			
* Testes	Bilateral, Interstit Cell	Adenoma	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05135-07
Test Type: CHRONIC
Species/Strain: Rat/F 344/N

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

Date Report Requested: 10/22/2014
Time Report Requested: 18:27:43
First Dose M/F: NA / NA
Lab: BNW

ANIMAL ID: 230

TRT#: 3
DOSE: 220 PPM

SEX: Male
DISP: Moribund Sacrifice

DAY ON TEST: 588
HISTO: 33525

ORGAN AND ACCOUNTABLE SITE STATUS

* Thyroid Gland	C Cell	Hyperplasia	Minimal
PRIMARY CAUSE OF DEATH	- Skin Inflammation		

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05135-07

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Isoprene

CAS Number: 78-79-5

Date Report Requested: 10/22/2014

Time Report Requested: 18:27:43

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 231

TRT#: 3

SEX: Male

DAY ON TEST: 682

DOSE: 220 PPM

DISP: Moribund Sacrifice

HISTO: 33526

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Bone	* Bone Marrow	* Brain	* Epididymis
* Esophagus	* Heart	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Larynx	* Lung	* Lymph Node, Bronchial
* Lymph Node, Mediastinal	* Lymph Node, Mesenteric	* Mammary Gland	* Nose
* Parathyroid Gland	* Preputial Gland	* Salivary Glands	* Seminal Vesicle
* Skin	* Stomach, Forestomach	* Stomach, Glandular	* Thymus
* Trachea	* Urinary Bladder		

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Mild
* Adrenal Medulla		Pheochromocytoma Benign	
* Kidney		Leukemia Mononuclear	
		Nephropathy	Moderate
* Liver		Basophilic Focus	
		Eosinophilic Focus	
	Bile Duct	Hyperplasia	Minimal
		Leukemia Mononuclear	
	Centrilobular	Necrosis	Mild
	[Leukemia Mononuclear TGLS = 3-4]		
* Pancreas		Basophilic Focus	
		Hyperplasia	Mild
* Pituitary Gland	Pars Distalis	Hyperplasia	Mild
* Prostate		Hyperplasia	Mild
* Spleen		Fibrosis	Mild
		Leukemia Mononuclear	
		Sarcoma	
	[Leukemia Mononuclear TGLS = 5-11+12]		
	[Sarcoma TGLS = 4-11+12]		

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05135-07
Test Type: CHRONIC
Species/Strain: Rat/F 344/N

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

Date Report Requested: 10/22/2014
Time Report Requested: 18:27:44
First Dose M/F: NA / NA
Lab: BNW

ANIMAL ID: 231	TRT#: 3	SEX: Male	DAY ON TEST: 682
	DOSE: 220 PPM	DISP: Moribund Sacrifice	HISTO: 33526

ORGAN AND ACCOUNTABLE SITE STATUS

* Testes [Adenoma TGLS = 1,2-7]	Bilateral, Interstit Cell	Adenoma	
* Thyroid Gland	C Cell	Hyperplasia	Moderate
PRIMARY CAUSE OF DEATH	- Spleen Leukemia Mononuclear		

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05135-07

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Isoprene

CAS Number: 78-79-5

Date Report Requested: 10/22/2014

Time Report Requested: 18:27:44

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 232

TRT#: 3

SEX: Male

DAY ON TEST: 420

DOSE: 220 PPM

DISP: Natural Death

HISTO: 33527

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Brain	* Epididymis	* Esophagus	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Islets, Pancreatic	* Larynx
* Lymph Node, Bronchial	* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Mammary Gland
* Nose	* Pancreas	* Parathyroid Gland	* Preputial Gland
* Prostate	* Salivary Glands	* Seminal Vesicle	* Skin
* Spleen	* Stomach, Forestomach	* Stomach, Glandular	* Thymus
* Thyroid Gland	* Trachea		

MISSING

* Lymph Node, Mediastinal

AUTO PRECLUDES DIAG.

* Intestine Large, Cecum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Urinary Bladder
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OBSERVATIONS

* Heart		Cardiomyopathy	Minimal
* Kidney		Nephropathy	Minimal
* Liver		Fatty Change	Minimal
* Lung		Inflammation	Chronic Active, Minimal
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = -]			
* Testes	Interstit Cell	Hyperplasia	Moderate

PRIMARY CAUSE OF DEATH

- Pituitary Gland Pars Distalis Adenoma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05135-07

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Isoprene

CAS Number: 78-79-5

Date Report Requested: 10/22/2014

Time Report Requested: 18:27:44

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 233

TRT#: 3

SEX: Male

DAY ON TEST: 733

DOSE: 220 PPM

DISP: Terminal Sacrifice

HISTO: 33528

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Bone	* Brain	* Epididymis	* Esophagus
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Larynx
* Lymph Node, Bronchial	* Parathyroid Gland	* Preputial Gland	* Salivary Glands
* Seminal Vesicle	* Skin	* Stomach, Forestomach	* Stomach, Glandular
* Thymus	* Trachea	* Urinary Bladder	

MISSING

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

OBSERVATIONS

* Adrenal Cortex		Hypertrophy	Mild
		Leukemia Mononuclear	
* Adrenal Medulla		Pheochromocytoma Benign	
* Bone Marrow		Leukemia Mononuclear	
* Heart		Cardiomyopathy	Mild
* Kidney		Leukemia Mononuclear	
		Nephropathy	Moderate
	[Nephropathy TGLS = 5-5]		
* Liver		Basophilic Focus	
	Bile Duct	Hyperplasia	Minimal
		Leukemia Mononuclear	
	[Basophilic Focus TGLS = 5-5]		
	[Leukemia Mononuclear TGLS = 5-5]		
* Lung		Leukemia Mononuclear	
* Lymph Node, Mandibular		Leukemia Mononuclear	
* Lymph Node, Mesenteric		Leukemia Mononuclear	
* Nose		Foreign Body	
	Respirat Epith	Hyperplasia	Minimal
		Inflammation	Suppurative, Mild
* Pancreas		Atrophy	Mild
* Pituitary Gland	Pars Distalis	Adenoma	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05135-07

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Isoprene

CAS Number: 78-79-5

Date Report Requested: 10/22/2014

Time Report Requested: 18:27:44

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 233

TRT#: 3

SEX: Male

DAY ON TEST: 733

DOSE: 220 PPM

DISP: Terminal Sacrifice

HISTO: 33528

ORGAN AND ACCOUNTABLE SITE STATUS

* Prostate		Inflammation	Chronic Active, Mild
* Spleen		Fibrosis	Mild
		Leukemia Mononuclear	
	[Fibrosis TGLS = 4-11]		
	[Leukemia Mononuclear TGLS = 3-11]		
* Testes	Bilateral, Interstit Cell	Adenoma	
	[Adenoma TGLS = 1,2-7]		
* Thyroid Gland	C Cell	Hyperplasia	Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05135-07

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Isoprene

CAS Number: 78-79-5

Date Report Requested: 10/22/2014

Time Report Requested: 18:27:44

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 234

TRT#: 3

SEX: Male

DAY ON TEST: 733

DOSE: 220 PPM

DISP: Terminal Sacrifice

HISTO: 33529

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Bone	* Brain	* Epididymis
* Esophagus	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Larynx
* Lymph Node, Mediastinal	* Mammary Gland	* Nose	* Preputial Gland
* Salivary Glands	* Seminal Vesicle	* Skin	* Stomach, Forestomach
* Stomach, Glandular	* Thymus	* Trachea	* Urinary Bladder

OBSERVATIONS

* Adrenal Medulla	Bilateral	Pheochromocytoma Benign	
* Bone Marrow		Leukemia Mononuclear	
* Heart		Cardiomyopathy	Moderate
* Islets, Pancreatic		Adenoma	
* Kidney		Leukemia Mononuclear	
		Nephropathy	Marked
	[Nephropathy TGLS = 6-5]		
* Liver		Degeneration	Cystic, Moderate
		Fatty Change	Minimal
	Bile Duct	Hyperplasia	Mild
		Leukemia Mononuclear	
	[Degeneration TGLS = 7-11]		
	[Leukemia Mononuclear TGLS = 6-5]		
* Lung		Inflammation	Chronic Active, Minimal
		Leukemia Mononuclear	
Lymph Node	Pancreatic	Leukemia Mononuclear	
* Lymph Node, Bronchial		Leukemia Mononuclear	
* Lymph Node, Mandibular		Leukemia Mononuclear	
* Lymph Node, Mesenteric		Leukemia Mononuclear	
Mesentery	Fat	Necrosis	Mild
	[Necrosis TGLS = 2-14]		
* Pancreas		Atrophy	Mild
		Hyperplasia	Mild

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05135-07

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Isoprene

CAS Number: 78-79-5

Date Report Requested: 10/22/2014

Time Report Requested: 18:27:44

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 234

TRT#: 3

SEX: Male

DAY ON TEST: 733

DOSE: 220 PPM

DISP: Terminal Sacrifice

HISTO: 33529

ORGAN AND ACCOUNTABLE SITE STATUS

* Parathyroid Gland

Pars Distalis

Hyperplasia

Moderate

* Pituitary Gland

Adenoma

Leukemia Mononuclear

[Adenoma TGLS = 1-8]

* Prostate

Hyperplasia

Moderate

* Spleen

Fibrosis

Mild

Leukemia Mononuclear

[Fibrosis TGLS = 5-12]

[Leukemia Mononuclear TGLS = 4-12]

* Testes

Bilateral, Interstit Cell

Adenoma

[Adenoma TGLS = 3-7]

* Thyroid Gland

C Cell

Hyperplasia

Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05135-07

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Isoprene

CAS Number: 78-79-5

Date Report Requested: 10/22/2014

Time Report Requested: 18:27:44

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 235

TRT#: 3

SEX: Male

DAY ON TEST: 733

DOSE: 220 PPM

DISP: Terminal Sacrifice

HISTO: 33530

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Bone	* Bone Marrow	* Brain	* Epididymis
* Esophagus	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Larynx	* Lymph Node, Bronchial	* Lymph Node, Mandibular	* Lymph Node, Mediastinal
* Lymph Node, Mesenteric	* Mammary Gland	* Nose	* Preputial Gland
* Prostate	* Salivary Glands	* Seminal Vesicle	* Skin
* Stomach, Forestomach	* Stomach, Glandular	* Thymus	* Trachea
* Urinary Bladder			

OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Mild
		Hypertrophy	Mild
* Adrenal Medulla		Hyperplasia	Mild
* Heart		Cardiomyopathy	Mild
* Kidney	Renal Tubule	Hyperplasia	Marked
		Leukemia Mononuclear	
		Nephropathy	Marked
	[Nephropathy TGLS = 3-5]		
* Liver		Basophilic Focus	
	Bile Duct	Hyperplasia	Minimal
		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLS = 2-4]		
* Lung		Inflammation	Chronic Active, Minimal
* Pancreas		Atrophy	Minimal
		Hyperplasia	Mild
* Parathyroid Gland		Hyperplasia	Mild
* Pituitary Gland	Pars Distalis	Adenoma	
	[Adenoma TGLS = 1-8]		
* Spleen		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLS = 1-8]		
* Testes	Interstit Cell	Adenoma	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05135-07

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Isoprene

CAS Number: 78-79-5

Date Report Requested: 10/22/2014

Time Report Requested: 18:27:44

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 235

TRT#: 3

SEX: Male

DAY ON TEST: 733

DOSE: 220 PPM

DISP: Terminal Sacrifice

HISTO: 33530

ORGAN AND ACCOUNTABLE SITE STATUS

* Thyroid Gland

Interstit Cell
C Cell

Hyperplasia
Adenoma

Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05135-07

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Isoprene

CAS Number: 78-79-5

Date Report Requested: 10/22/2014

Time Report Requested: 18:27:44

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 236

TRT#: 3

SEX: Male

DAY ON TEST: 733

DOSE: 220 PPM

DISP: Terminal Sacrifice

HISTO: 33531

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Bone	* Bone Marrow	* Brain
* Epididymis	* Esophagus	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Larynx	* Lymph Node, Bronchial	* Lymph Node, Mandibular
* Lymph Node, Mesenteric	* Mammary Gland	* Nose	* Parathyroid Gland
* Preputial Gland	* Salivary Glands	* Seminal Vesicle	* Skin
* Stomach, Forestomach	* Stomach, Glandular	* Thymus	* Trachea
* Urinary Bladder			

MISSING

* Lymph Node, Mediastinal

OBSERVATIONS

* Adrenal Medulla		Hyperplasia	Moderate
* Heart		Cardiomyopathy	Mild
* Kidney		Nephropathy	Marked
[Nephropathy TGLS = 3-5]			
* Liver		Basophilic Focus	
		Clear Cell Focus	
		Fatty Change	Mild
	Bile Duct	Hyperplasia	Minimal
		Leukemia Mononuclear	
[Basophilic Focus TGLS = 2-4]			
[Clear Cell Focus TGLS = 3-5]			
[Leukemia Mononuclear TGLS = 2-4]			
* Lung		Inflammation	Chronic Active, Minimal
* Pancreas		Basophilic Focus	
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 1-8]			
* Prostate		Hyperplasia	Moderate
* Spleen		Leukemia Mononuclear	
* Testes	Bilateral, Interstit Cell	Adenoma	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05135-07

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Isoprene

CAS Number: 78-79-5

Date Report Requested: 10/22/2014

Time Report Requested: 18:27:44

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 236

TRT#: 3

SEX: Male

DAY ON TEST: 733

DOSE: 220 PPM

DISP: Terminal Sacrifice

HISTO: 33531

ORGAN AND ACCOUNTABLE SITE STATUS

[Adenoma TGLS = 4,5-11]

* Thyroid Gland

C Cell

Hyperplasia

Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05135-07

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Isoprene

CAS Number: 78-79-5

Date Report Requested: 10/22/2014

Time Report Requested: 18:27:44

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 237

TRT#: 3

SEX: Male

DAY ON TEST: 733

DOSE: 220 PPM

DISP: Terminal Sacrifice

HISTO: 33532

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Bone	* Bone Marrow	* Brain	* Epididymis
* Esophagus	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Larynx	* Lymph Node, Bronchial	* Lymph Node, Mandibular	* Lymph Node, Mediastinal
* Lymph Node, Mesenteric	* Nose	* Pancreas	* Preputial Gland
* Salivary Glands	* Seminal Vesicle	* Skin	* Spleen
* Stomach, Forestomach	* Stomach, Glandular	* Thymus	* Thyroid Gland
* Trachea	* Urinary Bladder		

MISSING

* Parathyroid Gland

OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Minimal
		Vacuolization Cytoplasmic	Mild
* Adrenal Medulla		Hyperplasia	Mild
* Heart		Cardiomyopathy	Moderate
* Kidney		Nephropathy	Mild
* Liver		Basophilic Focus	
		Clear Cell Focus	
* Lung		Inflammation	Chronic Active, Minimal
* Mammary Gland		Fibroadenoma	Multiple
[Fibroadenoma TGLS = 1,2-12+13]			
* Pituitary Gland	Pars Distalis	Adenoma	
* Prostate		Hyperplasia	Moderate
* Testes	Bilateral, Interstit Cell	Adenoma	
[Adenoma TGLS = 3,4-11]			

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05135-07

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Isoprene

CAS Number: 78-79-5

Date Report Requested: 10/22/2014

Time Report Requested: 18:27:44

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 238

TRT#: 3

SEX: Male

DAY ON TEST: 657

DOSE: 220 PPM

DISP: Moribund Sacrifice

HISTO: 33533

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Bone Marrow	* Brain	* Esophagus
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Larynx
* Lymph Node, Bronchial	* Lymph Node, Mandibular	* Lymph Node, Mediastinal	* Lymph Node, Mesenteric
* Mammary Gland	* Nose	* Parathyroid Gland	* Preputial Gland
* Prostate	* Salivary Glands	* Seminal Vesicle	* Skin
* Spleen	* Stomach, Forestomach	* Stomach, Glandular	* Thymus
* Trachea	* Urinary Bladder		

OBSERVATIONS

* Adrenal Medulla		Hyperplasia	Mild
* Bone	Vertebra	Chordoma	
	[Chordoma TGLS = 7-11+12]		
* Epididymis		Mesothelioma Malignant	
	[Mesothelioma Malignant TGLS = 7-11+12]		
* Heart		Cardiomyopathy	Mild
* Kidney		Nephropathy	Moderate
* Liver		Necrosis	Minimal
* Lung		Chordoma	Metastatic (Bone)
	[Squamous Cell Carcinoma TGLS = 3-3]		
Mesentery	Fat	Hemorrhage	Mild
	[Hemorrhage TGLS = 8-13]		
* Pancreas		Atrophy	Mild
* Pituitary Gland	Pars Distalis	Adenoma	
	[Adenoma TGLS = 4-8]		
* Testes	Bilateral, Interstit Cell	Adenoma	
	[Adenoma TGLS = 5,6-7]	Mesothelioma Malignant	
	[Mesothelioma Malignant TGLS = 4-8]		
* Thyroid Gland	C Cell	Carcinoma	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05135-07

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Isoprene

CAS Number: 78-79-5

Date Report Requested: 10/22/2014

Time Report Requested: 18:27:44

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 238

TRT#: 3

SEX: Male

DAY ON TEST: 657

DOSE: 220 PPM

DISP: Moribund Sacrifice

HISTO: 33533

ORGAN AND ACCOUNTABLE SITE STATUS

PRIMARY CAUSE OF DEATH

- Epididymis Mesothelioma Malignant

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05135-07

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Isoprene

CAS Number: 78-79-5

Date Report Requested: 10/22/2014

Time Report Requested: 18:27:44

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 239

TRT#: 3

SEX: Male

DAY ON TEST: 664

DOSE: 220 PPM

DISP: Moribund Sacrifice

HISTO: 33534

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Bone	* Bone Marrow	* Brain	* Epididymis
* Esophagus	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Larynx	* Lymph Node, Bronchial	* Lymph Node, Mandibular	* Lymph Node, Mediastinal
* Lymph Node, Mesenteric	* Nose	* Pancreas	* Parathyroid Gland
* Preputial Gland	* Prostate	* Salivary Glands	* Seminal Vesicle
* Skin	* Stomach, Glandular	* Thymus	* Trachea
* Urinary Bladder			

OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Minimal
* Adrenal Medulla		Hyperplasia	Mild
* Heart		Cardiomyopathy	Mild
* Kidney		Nephropathy	Moderate
[Nephropathy TGLS = 4-5]			
* Liver		Degeneration	Cystic, Mild
		Fatty Change	Minimal
	Bile Duct	Hyperplasia	Minimal
* Lung	Alveolar Epith	Hyperplasia	Minimal
* Mammary Gland		Galactoceles	Mild
[Galactoceles TGLS = 1-11]			
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 2-8]			
* Spleen		Fibrosis	Mild
[Fibrosis TGLS = 3-4]			
* Stomach, Forestomach		Necrosis	Marked
[Necrosis TGLS = 5-8+12]			
* Testes	Interstit Cell	Hyperplasia	Marked
	Artery	Inflammation	Chronic Active, Moderate
* Thyroid Gland	C Cell	Hyperplasia	Minimal

PRIMARY CAUSE OF DEATH

- Pituitary Gland Pars Distalis Adenoma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05135-07

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Isoprene

CAS Number: 78-79-5

Date Report Requested: 10/22/2014

Time Report Requested: 18:27:44

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 240

TRT#: 3

SEX: Male

DAY ON TEST: 499

DOSE: 220 PPM

DISP: Moribund Sacrifice

HISTO: 33535

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Minimal
* Heart		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 5-8+12]			
* Kidney		Nephropathy	Mild
* Liver		Leukemia Mononuclear	
* Lung		Leukemia Mononuclear	
* Lymph Node, Mandibular		Leukemia Mononuclear	
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 1-12]			
* Spleen		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 2-11]			
* Testes	Interstit Cell	Hyperplasia	Minimal
* Thyroid Gland	C Cell	Hyperplasia	Minimal

PRIMARY CAUSE OF DEATH - Pituitary Gland Pars Distalis Adenoma

CONTRIBUTORY CAUSE OF DEATH - Spleen Leukemia Mononuclear

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05135-07

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Isoprene

CAS Number: 78-79-5

Date Report Requested: 10/22/2014

Time Report Requested: 18:27:44

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 241

TRT#: 3

SEX: Male

DAY ON TEST: 652

DOSE: 220 PPM

DISP: Moribund Sacrifice

HISTO: 33536

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Bone	* Brain	* Epididymis	* Esophagus
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Larynx
* Mammary Gland	* Nose	* Parathyroid Gland	* Preputial Gland
* Prostate	* Salivary Glands	* Seminal Vesicle	* Skin
* Stomach, Forestomach	* Stomach, Glandular	* Testes	* Trachea
* Urinary Bladder			

OBSERVATIONS

* Adrenal Cortex		Leukemia Mononuclear	
* Adrenal Medulla		Hyperplasia	Mild
		Leukemia Mononuclear	
* Bone Marrow		Leukemia Mononuclear	
* Heart		Cardiomyopathy	Mild
* Kidney		Leukemia Mononuclear	
		Nephropathy	Mild
* Liver	Bile Duct	Hyperplasia	Mild
		Leukemia Mononuclear	
	Centrilobular	Necrosis	Mild
	[Leukemia Mononuclear TGLS = 4-4]		
* Lung		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLS = 4-4]		
* Lymph Node, Bronchial		Leukemia Mononuclear	
* Lymph Node, Mandibular		Leukemia Mononuclear	
* Lymph Node, Mediastinal		Leukemia Mononuclear	
* Lymph Node, Mesenteric		Leukemia Mononuclear	
* Pancreas		Atrophy	Minimal
* Pituitary Gland	Pars Distalis	Adenoma	
		Leukemia Mononuclear	
	[Adenoma TGLS = 2-8]		
	[Leukemia Mononuclear TGLS = 2-8]		

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05135-07

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Isoprene

CAS Number: 78-79-5

Date Report Requested: 10/22/2014

Time Report Requested: 18:27:44

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 241

TRT#: 3

SEX: Male

DAY ON TEST: 652

DOSE: 220 PPM

DISP: Moribund Sacrifice

HISTO: 33536

ORGAN AND ACCOUNTABLE SITE STATUS

* Spleen [Leukemia Mononuclear TGLS = 3-11]		Leukemia Mononuclear	
* Thymus [Leukemia Mononuclear TGLS = 3-11]		Leukemia Mononuclear	
* Thyroid Gland	C Cell	Hyperplasia	Mild

PRIMARY CAUSE OF DEATH - Thymus Leukemia Mononuclear

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05135-07

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Isoprene

CAS Number: 78-79-5

Date Report Requested: 10/22/2014

Time Report Requested: 18:27:44

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 242

TRT#: 3

SEX: Male

DAY ON TEST: 581

DOSE: 220 PPM

DISP: Moribund Sacrifice

HISTO: 33537

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Lymph Node, Bronchial

OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Moderate
* Kidney		Nephropathy	Mild
* Liver		Basophilic Focus	
* Lung		Inflammation	Chronic Active, Minimal
Mesentery	Fat	Necrosis	Moderate
[Necrosis TGLS = 2-14]			
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 1-8]			
* Spleen		Hematopoietic Cell Proliferation	Mild
* Testes	Interstit Cell	Hyperplasia	Mild
* Thyroid Gland	C Cell	Hyperplasia	Minimal
Tissue NOS		Osteosarcoma	
[Osteosarcoma TGLS = 3-11+12]			

PRIMARY CAUSE OF DEATH

-

CONTRIBUTORY CAUSE OF DEATH

- Pituitary Gland Pars Distalis Adenoma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05135-07

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Isoprene

CAS Number: 78-79-5

Date Report Requested: 10/22/2014

Time Report Requested: 18:27:44

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 243

TRT#: 3

SEX: Male

DAY ON TEST: 671

DOSE: 220 PPM

DISP: Moribund Sacrifice

HISTO: 33538

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Bone	* Bone Marrow	* Brain	* Epididymis
* Esophagus	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Larynx	* Lung	* Lymph Node, Mandibular	* Lymph Node, Mesenteric
* Nose	* Pancreas	* Parathyroid Gland	* Preputial Gland
* Prostate	* Salivary Glands	* Seminal Vesicle	* Skin
* Spleen	* Stomach, Forestomach	* Stomach, Glandular	* Thymus
* Trachea	* Urinary Bladder		

MISSING

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

* Adrenal Cortex		Hyperplasia	Mild
* Adrenal Medulla		Hyperplasia	Mild
* Heart		Cardiomyopathy	Mild
* Kidney		Nephropathy	Marked
[Nephropathy TGLS = 3-5]			
* Liver		Degeneration	Cystic, Mild
	Bile Duct	Hyperplasia	Mild
		Inflammation	Chronic Active, Mild
[Inflammation TGLS = 4-4]			
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 1-8]			
* Testes	Bilateral, Interstit Cell	Adenoma	
[Adenoma TGLS = 2-7]			
* Thyroid Gland	C Cell	Hyperplasia	Minimal

PRIMARY CAUSE OF DEATH

- Pituitary Gland Pars Distalis Adenoma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05135-07

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Isoprene

CAS Number: 78-79-5

Date Report Requested: 10/22/2014

Time Report Requested: 18:27:44

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 244

TRT#: 3

SEX: Male

DAY ON TEST: 733

DOSE: 220 PPM

DISP: Terminal Sacrifice

HISTO: 33539

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

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

OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Mild
* Bone		Osteoma	
[Osteoma TGLS = 4-15]			
* Brain			
Note: "Lesion, 5x2mm", noted at necropsy, was deformity in cerebral surface secondary to mass in overlying skull.			
* Heart		Cardiomyopathy	Mild
* Kidney		Nephropathy	Mild
* Liver		Basophilic Focus	
		Clear Cell Focus	
		Hepatodiaphragmatic Nodule	
	Bile Duct	Hyperplasia	Minimal
[Clear Cell Focus TGLS = 9-14]			
[Hepatodiaphragmatic Nodule TGLS = 6-13]			
* Lung	Alveolar Epith	Hyperplasia	Minimal
Mesentery	Fat	Necrosis	Mild
[Necrosis TGLS = 2-12]			
* Nose		Inflammation	Suppurative, Minimal
* Pituitary Gland	Pars Distalis	Hyperplasia	Moderate
* Preputial Gland		Adenoma	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05135-07

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Isoprene

CAS Number: 78-79-5

Date Report Requested: 10/22/2014

Time Report Requested: 18:27:44

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 244

TRT#: 3

SEX: Male

DAY ON TEST: 733

DOSE: 220 PPM

DISP: Terminal Sacrifice

HISTO: 33539

ORGAN AND ACCOUNTABLE SITE STATUS

[Adenoma TGLS = 1-7]

Hyperplasia

Minimal

* Testes

Bilateral, Interstit Cell

Adenoma

[Adenoma TGLS = 5-11]

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05135-07

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Isoprene

CAS Number: 78-79-5

Date Report Requested: 10/22/2014

Time Report Requested: 18:27:44

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 245

TRT#: 3

SEX: Male

DAY ON TEST: 455

DOSE: 220 PPM

DISP: Moribund Sacrifice

HISTO: 33540

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Lymph Node, Bronchial

OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Mild
* Heart		Cardiomyopathy	Minimal
* Kidney		Nephropathy	Mild
* Liver		Fatty Change	Minimal
	Bile Duct	Hyperplasia	Minimal
* Pituitary Gland	Pars Distalis	Adenoma	
* Testes	Interstit Cell	Hyperplasia	Mild

PRIMARY CAUSE OF DEATH

- Pituitary Gland Pars Distalis Adenoma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05135-07

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Isoprene

CAS Number: 78-79-5

Date Report Requested: 10/22/2014

Time Report Requested: 18:27:44

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 246

TRT#: 3

SEX: Male

DAY ON TEST: 629

DOSE: 220 PPM

DISP: Moribund Sacrifice

HISTO: 33541

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Bone	* Brain	* Epididymis	* Esophagus
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Larynx
* Lymph Node, Mesenteric	* Parathyroid Gland	* Preputial Gland	* Prostate
* Salivary Glands	* Seminal Vesicle	* Skin	* Stomach, Forestomach
* Stomach, Glandular	* Thymus	* Thyroid Gland	* Trachea
* Urinary Bladder			

OBSERVATIONS

* Adrenal Cortex		Hypertrophy	Mild
		Leukemia Mononuclear	
* Adrenal Medulla		Leukemia Mononuclear	
* Bone Marrow		Leukemia Mononuclear	
* Heart		Leukemia Mononuclear	
* Kidney		Leukemia Mononuclear	
		Nephropathy	Mild
* Liver		Fatty Change	Minimal
	Bile Duct	Hyperplasia	Mild
		Leukemia Mononuclear	
	Centrilobular	Necrosis	Minimal
	[Leukemia Mononuclear TGLS = 4-4]		
* Lung		Leukemia Mononuclear	
* Lymph Node, Bronchial		Leukemia Mononuclear	
* Lymph Node, Mandibular		Leukemia Mononuclear	
* Lymph Node, Mediastinal		Leukemia Mononuclear	
* Mammary Gland		Fibroadenoma	
	[Fibroadenoma TGLS = 1-13]		
Mesentery	Fat	Necrosis	Mild
	[Necrosis TGLS = 5-12]		
* Nose		Leukemia Mononuclear	
		Thrombosis	Mild

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05135-07

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Isoprene

CAS Number: 78-79-5

Date Report Requested: 10/22/2014

Time Report Requested: 18:27:44

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 246

TRT#: 3

SEX: Male

DAY ON TEST: 629

DOSE: 220 PPM

DISP: Moribund Sacrifice

HISTO: 33541

ORGAN AND ACCOUNTABLE SITE STATUS

* Pancreas		Atrophy	Mild
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 2-8]			
* Spleen		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 3-11]			
* Testes	Interstit Cell	Hyperplasia	Moderate

PRIMARY CAUSE OF DEATH

- Pituitary Gland Pars Distalis Adenoma

CONTRIBUTORY CAUSE OF DEATH

- Spleen Leukemia Mononuclear

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05135-07

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Isoprene

CAS Number: 78-79-5

Date Report Requested: 10/22/2014

Time Report Requested: 18:27:44

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 247

TRT#: 3

SEX: Male

DAY ON TEST: 670

DOSE: 220 PPM

DISP: Natural Death

HISTO: 33542

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Bone	* Bone Marrow	* Brain	* Epididymis
* Esophagus	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Islets, Pancreatic
* Larynx	* Lung	* Lymph Node, Bronchial	* Lymph Node, Mandibular
* Lymph Node, Mediastinal	* Lymph Node, Mesenteric	* Mammary Gland	* Nose
* Preputial Gland	* Prostate	* Salivary Glands	* Skin
* Stomach, Forestomach	* Stomach, Glandular	* Thymus	* Thyroid Gland
* Trachea	* Urinary Bladder		

MISSING

* Parathyroid Gland

AUTO PRECLUDES DIAG.

* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Seminal Vesicle			

OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Mild
		Hypertrophy	Mild
* Adrenal Medulla		Pheochromocytoma Benign	
* Heart		Cardiomyopathy	Mild
* Kidney		Nephropathy	Moderate
* Liver		Clear Cell Focus	
* Pancreas		Atrophy	Mild
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 1-8]			
* Spleen		Fibrosis	Mild
[Fibrosis TGLS = 2-11]			
* Testes	Artery	Inflammation	Chronic Active, Moderate

PRIMARY CAUSE OF DEATH

- Pituitary Gland Pars Distalis Adenoma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05135-07

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Isoprene

CAS Number: 78-79-5

Date Report Requested: 10/22/2014

Time Report Requested: 18:27:44

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 248

TRT#: 3

SEX: Male

DAY ON TEST: 702

DOSE: 220 PPM

DISP: Moribund Sacrifice

HISTO: 33543

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Bone	* Bone Marrow	* Brain
* Epididymis	* Esophagus	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Larynx	* Lymph Node, Mediastinal	* Lymph Node, Mesenteric	* Mammary Gland
* Nose	* Pancreas	* Parathyroid Gland	* Salivary Glands
* Seminal Vesicle	* Skin	* Stomach, Glandular	* Thymus
* Trachea	* Urinary Bladder		

MISSING

* Lymph Node, Bronchial	* Lymph Node, Mandibular
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OBSERVATIONS

* Adrenal Medulla		Hyperplasia	Minimal
* Heart		Cardiomyopathy	Mild
* Intestine Large, Rectum	Anus	Squamous Cell Papilloma	
* Kidney	Renal Tubule	Hyperplasia	Moderate
		Nephropathy	Marked
* Liver		Degeneration	Cystic, Mild
	Bile Duct	Hyperplasia	Minimal
* Lung	Alveolar Epith	Hyperplasia	Minimal
* Pituitary Gland	Pars Distalis	Adenoma	
	[Adenoma TGLS = 1-8]		
* Preputial Gland		Inflammation	Chronic Active, Marked
	[Inflammation TGLS = 2-11]		
* Prostate		Inflammation	Chronic Active, Minimal
* Spleen		Fibrosis	Minimal
* Stomach, Forestomach		Necrosis	Marked
	[Necrosis TGLS = 4-8]		
* Testes	Bilateral, Interstit Cell	Adenoma	
	[Adenoma TGLS = 3-7]		
* Thyroid Gland	C Cell	Adenoma	

PRIMARY CAUSE OF DEATH - Pituitary Gland Pars Distalis Adenoma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05135-07

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Isoprene

CAS Number: 78-79-5

Date Report Requested: 10/22/2014

Time Report Requested: 18:27:44

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 248

TRT#: 3

SEX: Male

DAY ON TEST: 702

DOSE: 220 PPM

DISP: Moribund Sacrifice

HISTO: 33543

ORGAN AND ACCOUNTABLE SITE STATUS

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05135-07

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Isoprene

CAS Number: 78-79-5

Date Report Requested: 10/22/2014

Time Report Requested: 18:27:44

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 249

TRT#: 3

SEX: Male

DAY ON TEST: 703

DOSE: 220 PPM

DISP: Moribund Sacrifice

HISTO: 33544

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Bone	* Bone Marrow	* Brain
* Epididymis	* Esophagus	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Larynx	* Lymph Node, Mandibular	* Lymph Node, Mediastinal	* Lymph Node, Mesenteric
* Nose	* Parathyroid Gland	* Preputial Gland	* Salivary Glands
* Seminal Vesicle	* Spleen	* Stomach, Forestomach	* Stomach, Glandular
* Thymus	* Trachea	* Urinary Bladder	

MISSING

* Lymph Node, Bronchial

OBSERVATIONS

* Adrenal Medulla		Hyperplasia	Moderate
* Heart		Cardiomyopathy	Mild
* Islets, Pancreatic		Hyperplasia	Mild
* Kidney		Nephropathy	Moderate
* Liver		Basophilic Focus	
		Degeneration	Cystic, Mild
		Eosinophilic Focus	
		Hepatocellular Carcinoma	
[Hepatocellular Carcinoma TGLS = 7-11]			
* Lung		Inflammation	Chronic Active, Minimal
* Mammary Gland		Galactocele	Mild
[Galactocele TGLS = 8-14]			
Mesentery	Fat	Necrosis	Mild
[Necrosis TGLS = 6-13]			
* Pancreas		Atrophy	Mild
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 5-8]			
* Prostate		Hyperplasia	Moderate
* Skin	Subcut Tiss	Fibroma	
[Fibroma TGLS = 3-12]			

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05135-07

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Isoprene

CAS Number: 78-79-5

Date Report Requested: 10/22/2014

Time Report Requested: 18:27:44

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 249

TRT#: 3

SEX: Male

DAY ON TEST: 703

DOSE: 220 PPM

DISP: Moribund Sacrifice

HISTO: 33544

ORGAN AND ACCOUNTABLE SITE STATUS

* Testes	Interstit Cell	Adenoma	
* Thyroid Gland	C Cell	Hyperplasia	Mild

PRIMARY CAUSE OF DEATH - Pituitary Gland Pars Distalis Adenoma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05135-07

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Isoprene

CAS Number: 78-79-5

Date Report Requested: 10/22/2014

Time Report Requested: 18:27:44

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 250

TRT#: 3

SEX: Male

DAY ON TEST: 635

DOSE: 220 PPM

DISP: Moribund Sacrifice

HISTO: 33545

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Bone	* Bone Marrow	* Brain	* Epididymis
* Esophagus	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Larynx
* Lung	* Lymph Node, Bronchial	* Lymph Node, Mandibular	* Lymph Node, Mediastinal
* Lymph Node, Mesenteric	* Nose	* Parathyroid Gland	* Pituitary Gland
* Preputial Gland	* Prostate	* Salivary Glands	* Seminal Vesicle
* Skin	* Stomach, Forestomach	* Stomach, Glandular	* Thymus
* Thyroid Gland	* Trachea	* Urinary Bladder	

INSUFFICIENT TISSUE

* Intestine Large, Rectum

OBSERVATIONS

* Adrenal Cortex		Hypertrophy	Mild
		Vacuolization Cytoplasmic	Mild
* Adrenal Medulla		Pheochromocytoma Benign	
* Heart		Leukemia Mononuclear	
* Kidney		Nephropathy	Mild
* Liver	Bile Duct	Hyperplasia	Mild
		Leukemia Mononuclear	
		Fibroadenoma	
* Mammary Gland			
[Fibroadenoma TGLS = 1-13]			
Mesentery	Fat	Necrosis	Moderate
[Necrosis TGLS = 5-12]			
* Pancreas		Atrophy	Moderate
* Spleen		Fibrosis	Mild
		Leukemia Mononuclear	
[Fibrosis TGLS = 2-11]			
* Testes	Bilateral, Interstit Cell	Adenoma	
[Adenoma TGLS = 3-7]			
Tissue NOS		Sarcoma	
[Sarcoma TGLS = 4-14+15]			

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05135-07

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Isoprene

CAS Number: 78-79-5

Date Report Requested: 10/22/2014

Time Report Requested: 18:27:44

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 250

TRT#: 3

SEX: Male

DAY ON TEST: 635

DOSE: 220 PPM

DISP: Moribund Sacrifice

HISTO: 33545

ORGAN AND ACCOUNTABLE SITE STATUS

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05135-07

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Isoprene

CAS Number: 78-79-5

Date Report Requested: 10/22/2014

Time Report Requested: 18:27:44

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 401

TRT#: 5

SEX: Male

DAY ON TEST: 655

DOSE: 700 PPM

DISP: Moribund Sacrifice

HISTO: 33396

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Bone	* Epididymis	* Esophagus	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Larynx	* Lymph Node, Mesenteric	* Mammary Gland
* Pancreas	* Parathyroid Gland	* Preputial Gland	* Prostate
* Salivary Glands	* Seminal Vesicle	* Skin	* Stomach, Glandular
* Trachea	* Urinary Bladder		

OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Mild
		Leukemia Mononuclear	
* Adrenal Medulla		Leukemia Mononuclear	
* Bone Marrow		Leukemia Mononuclear	
* Brain		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 2-1]			
* Heart		Cardiomyopathy	Mild
		Leukemia Mononuclear	
* Islets, Pancreatic		Carcinoma	
[Carcinoma TGLS = 9-12]			
* Kidney		Leukemia Mononuclear	
		Nephropathy	Marked
[Leukemia Mononuclear TGLS = 9-12]			
[Nephropathy TGLS = 8-5]			
* Liver		Fatty Change	Mild
	Bile Duct	Hyperplasia	Mild
		Leukemia Mononuclear	
	Centrilobular	Necrosis	Mild
[Leukemia Mononuclear TGLS = 7-4]			
* Lung		Leukemia Mononuclear	
Lymph Node		Leukemia Mononuclear	
Note: Lymph node with no site listed was axillary.			
[Leukemia Mononuclear TGLS = 1-14]			

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05135-07

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Isoprene

CAS Number: 78-79-5

Date Report Requested: 10/22/2014

Time Report Requested: 18:27:44

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 401

TRT#: 5

SEX: Male

DAY ON TEST: 655

DOSE: 700 PPM

DISP: Moribund Sacrifice

HISTO: 33396

ORGAN AND ACCOUNTABLE SITE STATUS

* Lymph Node, Bronchial		Leukemia Mononuclear	
* Lymph Node, Mandibular		Leukemia Mononuclear	
* Lymph Node, Mediastinal		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 10-13]			
* Nose		Leukemia Mononuclear	
		Thrombosis	Moderate
* Pituitary Gland	Pars Distalis	Adenoma	
		Leukemia Mononuclear	
[Adenoma TGLS = 3-8]			
[Leukemia Mononuclear TGLS = 3-8]			
* Spleen		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 5-11]			
* Stomach, Forestomach		Leukemia Mononuclear	
		Necrosis	Mild
[Necrosis TGLS = 10-13]			
* Testes	Interstit Cell	Adenoma	
	Interstit Cell	Hyperplasia	Mild
		Leukemia Mononuclear	
[Adenoma TGLS = 4-7]			
* Thymus		Leukemia Mononuclear	
* Thyroid Gland	C Cell	Hyperplasia	Minimal
PRIMARY CAUSE OF DEATH	- Spleen	Leukemia Mononuclear	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05135-07

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Isoprene

CAS Number: 78-79-5

Date Report Requested: 10/22/2014

Time Report Requested: 18:27:44

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 402

TRT#: 5

SEX: Male

DAY ON TEST: 576

DOSE: 700 PPM

DISP: Moribund Sacrifice

HISTO: 33397

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Bone	* Bone Marrow	* Brain	* Epididymis
* Esophagus	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Larynx	* Lymph Node, Bronchial	* Lymph Node, Mediastinal	* Mammary Gland
* Nose	* Parathyroid Gland	* Preputial Gland	* Prostate
* Salivary Glands	* Seminal Vesicle	* Skin	* Spleen
* Stomach, Forestomach	* Stomach, Glandular	* Thymus	* Trachea
* Urinary Bladder			

MISSING

* Lymph Node, Mandibular	* Lymph Node, Mesenteric
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OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Mild
* Adrenal Medulla		Hyperplasia	Mild
Eye	Retina	Atrophy	Marked
		Cataract	Moderate
[Cataract TGLS = 2-11]			
* Heart		Cardiomyopathy	Mild
* Kidney		Nephropathy	Mild
* Liver	Bile Duct	Hyperplasia	Minimal
* Lung		Inflammation	Chronic Active, Minimal
* Pancreas		Hyperplasia	Mild
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 3-8]			
* Testes	Interstit Cell	Hyperplasia	Minimal
* Thyroid Gland	C Cell	Hyperplasia	Mild

PRIMARY CAUSE OF DEATH

- Pituitary Gland Pars Distalis Adenoma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05135-07

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Isoprene

CAS Number: 78-79-5

Date Report Requested: 10/22/2014

Time Report Requested: 18:27:44

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 403

TRT#: 5

SEX: Male

DAY ON TEST: 733

DOSE: 700 PPM

DISP: Terminal Sacrifice

HISTO: 33398

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Bone	* Bone Marrow	* Brain	* Epididymis
* Esophagus	* 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
* Lymph Node, Mesenteric	* Mammary Gland	* Nose	* Parathyroid Gland
* Preputial Gland	* Prostate	* Salivary Glands	* Seminal Vesicle
* Skin	* Stomach, Forestomach	* Stomach, Glandular	* Thymus
* Trachea	* Urinary Bladder		

OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Mild
* Adrenal Medulla		Pheochromocytoma Benign	
* Heart		Cardiomyopathy	Mild
* Islets, Pancreatic		Adenoma	
* Kidney		Cyst	Moderate
		Nephropathy	Moderate
[Cyst TGLS = 5-5]			
[Nephropathy TGLS = 4-5]			
* Liver		Basophilic Focus	
		Clear Cell Focus	
		Eosinophilic Focus	
[Basophilic Focus TGLS = 4-5]			
[Clear Cell Focus TGLS = 4-5]			
[Eosinophilic Focus TGLS = 4-5]			
Mesentery	Fat	Necrosis	Mild
[Necrosis TGLS = 1-11]			
* Pancreas		Hyperplasia	Mild
* Pituitary Gland	Pars Distalis	Adenoma	
* Spleen		Fibrosis	Mild
[Fibrosis TGLS = 2-4]			
* Testes	Bilateral, Interstit Cell	Adenoma	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05135-07

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Isoprene

CAS Number: 78-79-5

Date Report Requested: 10/22/2014

Time Report Requested: 18:27:44

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 403

TRT#: 5

SEX: Male

DAY ON TEST: 733

DOSE: 700 PPM

DISP: Terminal Sacrifice

HISTO: 33398

ORGAN AND ACCOUNTABLE SITE STATUS

[Adenoma TGLS = 3-7]

* Thyroid Gland

C Cell

Hyperplasia

Moderate

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05135-07

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Isoprene

CAS Number: 78-79-5

Date Report Requested: 10/22/2014

Time Report Requested: 18:27:44

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 404

TRT#: 5

SEX: Male

DAY ON TEST: 712

DOSE: 700 PPM

DISP: Natural Death

HISTO: 33399

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Bone	* Bone Marrow	* Brain	* Epididymis
* Esophagus	* 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	* Preputial Gland	* Prostate	* Salivary Glands
* Skin	* Stomach, Forestomach	* Stomach, Glandular	* Thymus
* Thyroid Gland	* Trachea	* Urinary Bladder	

MISSING

* Mammary Gland	* Parathyroid Gland
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AUTO PRECLUDES DIAG.

* Intestine Large, Cecum	* Intestine Large, Colon	* Seminal Vesicle
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OBSERVATIONS

* Adrenal Cortex		Hypertrophy	Marked
* Adrenal Medulla		Hyperplasia	Mild
		Pheochromocytoma Benign	
* Heart		Cardiomyopathy	Moderate
* Kidney		Nephropathy	Moderate
* Liver	Bile Duct	Hyperplasia	Mild
Mesentery	Fat	Necrosis	Mild
[Necrosis TGLS = 1-12]			
* Pancreas		Atrophy	Mild
* Pituitary Gland	Pars Distalis	Adenoma	
* Spleen		Fibrosis	Minimal
[Fibrosis TGLS = 3-4]			
* Testes	Interstit Cell	Hyperplasia	Mild
	Artery	Inflammation	Chronic Active, Moderate
[Inflammation TGLS = 2-7]			

PRIMARY CAUSE OF DEATH

- Pituitary Gland Pars Distalis Adenoma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05135-07

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Isoprene

CAS Number: 78-79-5

Date Report Requested: 10/22/2014

Time Report Requested: 18:27:44

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 405

TRT#: 5

SEX: Male

DAY ON TEST: 664

DOSE: 700 PPM

DISP: Moribund Sacrifice

HISTO: 33400

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Bone	* Brain	* Epididymis	* Esophagus
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Larynx
* Lymph Node, Bronchial	* Lymph Node, Mandibular	* Lymph Node, Mediastinal	* Lymph Node, Mesenteric
* Parathyroid Gland	* Preputial Gland	* Salivary Glands	* Seminal Vesicle
* Skin	* Stomach, Glandular	* Trachea	* Urinary Bladder

OBSERVATIONS

* Adrenal Cortex		Leukemia Mononuclear	
* Adrenal Medulla		Hyperplasia	Moderate
		Leukemia Mononuclear	
* Bone Marrow		Leukemia Mononuclear	
* Heart		Cardiomyopathy	Mild
* Kidney		Leukemia Mononuclear	
		Nephropathy	Mild
* Liver		Degeneration	Cystic, Mild
	Bile Duct	Hepatodiaphragmatic Nodule	
		Hyperplasia	Moderate
	Centrilobular	Leukemia Mononuclear	
		Necrosis	Mild
	[Hepatodiaphragmatic Nodule TGLS = 9-11]		
	[Leukemia Mononuclear TGLS = 8-4]		
* Lung		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLS = 9-11]		
* Mammary Gland		Fibroadenoma	
	[Fibroadenoma TGLS = 3-13]		
* Nose		Leukemia Mononuclear	
		Thrombosis	Marked
* Pancreas		Atrophy	Minimal
* Pituitary Gland	Pars Distalis	Adenoma	
	[Adenoma TGLS = 6-8]		

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05135-07

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Isoprene

CAS Number: 78-79-5

Date Report Requested: 10/22/2014

Time Report Requested: 18:27:44

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 405

TRT#: 5

SEX: Male

DAY ON TEST: 664

DOSE: 700 PPM

DISP: Moribund Sacrifice

HISTO: 33400

ORGAN AND ACCOUNTABLE SITE STATUS

* Prostate		Hyperplasia	Mild
* Spleen		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 4,5-12]			
* Stomach, Forestomach		Necrosis	Moderate
[Necrosis TGLS = 10-14]			
* Testes	Bilateral, Interstit Cell	Adenoma	
[Adenoma TGLS = 7-7]			
* Thymus		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 7-7]			
* Thyroid Gland	C Cell	Hyperplasia	Minimal
PRIMARY CAUSE OF DEATH	- Spleen	Leukemia Mononuclear	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05135-07

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Isoprene

CAS Number: 78-79-5

Date Report Requested: 10/22/2014

Time Report Requested: 18:27:44

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 406

TRT#: 5

SEX: Male

DAY ON TEST: 734

DOSE: 700 PPM

DISP: Terminal Sacrifice

HISTO: 33401

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Bone	* Bone Marrow	* Brain	* Epididymis
* Esophagus	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Larynx
* Lymph Node, Mandibular	* Mammary Gland	* Nose	* Pancreas
* Parathyroid Gland	* Preputial Gland	* Prostate	* Salivary Glands
* Seminal Vesicle	* Skin	* Stomach, Forestomach	* Stomach, Glandular
* Thymus	* Trachea	* Urinary Bladder	

OBSERVATIONS

* Adrenal Cortex		Vacuolization Cytoplasmic	Mild
* Adrenal Medulla	Bilateral	Hyperplasia	Mild
* Heart		Cardiomyopathy	Moderate
	[Leukemia Mononuclear TGLS = 10-14]	Leukemia Mononuclear	
* Islets, Pancreatic		Adenoma	
* Kidney		Leukemia Mononuclear	
	[Nephropathy TGLS = 4-5]	Nephropathy	Moderate
* Liver	Bile Duct	Hyperplasia	Mild
	[Leukemia Mononuclear TGLS = 3-4]	Leukemia Mononuclear	
* Lung		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLS = 3-4]		
* Lymph Node, Bronchial		Leukemia Mononuclear	
* Lymph Node, Mediastinal		Leukemia Mononuclear	
* Lymph Node, Mesenteric		Leukemia Mononuclear	
* Pituitary Gland	Pars Distalis	Adenoma	
	[Leukemia Mononuclear TGLS = 3-4]	Leukemia Mononuclear	
* Spleen		Fibrosis	Marked
		Leukemia Mononuclear	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05135-07

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Isoprene

CAS Number: 78-79-5

Date Report Requested: 10/22/2014

Time Report Requested: 18:27:44

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 406

TRT#: 5

SEX: Male

DAY ON TEST: 734

DOSE: 700 PPM

DISP: Terminal Sacrifice

HISTO: 33401

ORGAN AND ACCOUNTABLE SITE STATUS

[Fibrosis TGLS = 2-11+4]

* Testes

Bilateral, Interstit Cell

Adenoma

[Adenoma TGLS = 1-7]

* Thyroid Gland

C Cell

Hyperplasia

Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05135-07

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Isoprene

CAS Number: 78-79-5

Date Report Requested: 10/22/2014

Time Report Requested: 18:27:44

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 407

TRT#: 5

SEX: Male

DAY ON TEST: 547

DOSE: 700 PPM

DISP: Moribund Sacrifice

HISTO: 33402

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Bone	* Brain	* Epididymis
* Esophagus	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Larynx	* Lymph Node, Mediastinal	* Mammary Gland	* Parathyroid Gland
* Prostate	* Salivary Glands	* Seminal Vesicle	* Skin
* Stomach, Forestomach	* Stomach, Glandular	* Thymus	* Thyroid Gland
* Trachea	* Urinary Bladder		

OBSERVATIONS

* Adrenal Medulla		Pheochromocytoma Benign	
* Bone Marrow		Leukemia Mononuclear	
* Heart		Leukemia Mononuclear	
* Kidney		Leukemia Mononuclear	
* Liver	Bile Duct	Nephropathy	Mild
		Hyperplasia	Mild
* Lung		Leukemia Mononuclear	
* Lymph Node, Bronchial		Leukemia Mononuclear	
* Lymph Node, Mandibular		Leukemia Mononuclear	
* Lymph Node, Mesenteric		Leukemia Mononuclear	
* Nose	Respirat Epith	Inflammation	Suppurative, Mild
		Metaplasia	Squamous, Minimal
* Pancreas		Atrophy	Mild
* Pituitary Gland		Leukemia Mononuclear	
* Preputial Gland		Carcinoma	
[Carcinoma TGLS = 1,2-12]			
* Spleen		Fibrosis	Moderate
		Leukemia Mononuclear	
[Fibrosis TGLS = 4-11]			
[Leukemia Mononuclear TGLS = 3-11]			
* Testes	Bilateral, Interstit Cell	Adenoma	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05135-07
Test Type: CHRONIC
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

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

Date Report Requested: 10/22/2014
Time Report Requested: 18:27:44
First Dose M/F: NA / NA
Lab: BNW

ANIMAL ID: 407

TRT#: 5
DOSE: 700 PPM

SEX: Male
DISP: Moribund Sacrifice

DAY ON TEST: 547
HISTO: 33402

ORGAN AND ACCOUNTABLE SITE STATUS

[Adenoma TGLS = 5-7]

PRIMARY CAUSE OF DEATH

- Spleen Leukemia Mononuclear

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05135-07

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Isoprene

CAS Number: 78-79-5

Date Report Requested: 10/22/2014

Time Report Requested: 18:27:44

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 408

TRT#: 5

SEX: Male

DAY ON TEST: 667

DOSE: 700 PPM

DISP: Moribund Sacrifice

HISTO: 33403

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Bone Marrow	* Brain	* Epididymis	* Esophagus
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Larynx
* Lung	* Lymph Node, Mediastinal	* Lymph Node, Mesenteric	* Mammary Gland
* Nose	* Preputial Gland	* Prostate	* Salivary Glands
* Seminal Vesicle	* Skin	* Spleen	* Stomach, Glandular
* Thymus	* Trachea	* Urinary Bladder	

MISSING

* Lymph Node, Bronchial	* Lymph Node, Mandibular
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OBSERVATIONS

* Adrenal Cortex		Vacuolization Cytoplasmic	Minimal
* Adrenal Medulla		Hyperplasia	Marked
* Bone		Fibrous Osteodystrophy	Mild
* Heart		Cardiomyopathy	Mild
* Kidney	Renal Tubule	Hyperplasia	Moderate
		Lipoma	
		Nephropathy	Marked
		[Lipoma TGLS = 5-5+12]	
		[Nephropathy TGLS = 4-5]	
* Liver		Angiectasis	Minimal
		Basophilic Focus	
		Clear Cell Focus	
		Degeneration	Cystic, Mild
	Bile Duct	Hyperplasia	Minimal
		[Angiectasis TGLS = 7-11]	
		[Clear Cell Focus TGLS = 7-11]	
* Pancreas		Adenoma	
		Atrophy	Mild
		Hyperplasia	Moderate
		[Adenoma TGLS = 7-11]	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05135-07

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Isoprene

CAS Number: 78-79-5

Date Report Requested: 10/22/2014

Time Report Requested: 18:27:44

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 408

TRT#: 5

SEX: Male

DAY ON TEST: 667

DOSE: 700 PPM

DISP: Moribund Sacrifice

HISTO: 33403

ORGAN AND ACCOUNTABLE SITE STATUS

* Parathyroid Gland		Hyperplasia	Mild
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 2-8]			
* Stomach, Forestomach		Necrosis	Marked
[Necrosis TGLS = 6-13]			
* Testes	Bilateral, Interstit Cell	Adenoma	
[Adenoma TGLS = 3-7]			
* Thyroid Gland	C Cell	Hyperplasia	Mild

PRIMARY CAUSE OF DEATH - Kidney Nephropathy

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05135-07

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Isoprene

CAS Number: 78-79-5

Date Report Requested: 10/22/2014

Time Report Requested: 18:27:44

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 409

TRT#: 5

SEX: Male

DAY ON TEST: 692

DOSE: 700 PPM

DISP: Natural Death

HISTO: 33404

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Bone	* Bone Marrow	* Brain	* Epididymis
* Esophagus	* Islets, Pancreatic	* Larynx	* Lymph Node, Mandibular
* Mammary Gland	* Pancreas	* Parathyroid Gland	* Preputial Gland
* Prostate	* Salivary Glands	* Skin	* Stomach, Forestomach
* Stomach, Glandular	* Trachea	* Urinary Bladder	

AUTO PRECLUDES DIAG.

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

OBSERVATIONS

* Adrenal Cortex		Leukemia Mononuclear Necrosis	Mild
[Leukemia Mononuclear TGLS = 6-2]			
* Adrenal Medulla		Hyperplasia Leukemia Mononuclear	Mild
* Heart		Cardiomyopathy	Mild
* Kidney		Leukemia Mononuclear Nephropathy	Mild
* Liver	Bile Duct	Eosinophilic Focus Hyperplasia Leukemia Mononuclear	Mild
[Eosinophilic Focus TGLS = 5-4]			
[Leukemia Mononuclear TGLS = 5-4]			
* Lung		Inflammation Leukemia Mononuclear Leukemia Mononuclear	Chronic Active, Mild
* Lymph Node, Bronchial			
[Leukemia Mononuclear TGLS = 6-2]			
* Lymph Node, Mediastinal		Leukemia Mononuclear	
* Lymph Node, Mesenteric		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 6-2]			
* Nose		Leukemia Mononuclear	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05135-07

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Isoprene

CAS Number: 78-79-5

Date Report Requested: 10/22/2014

Time Report Requested: 18:27:44

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 409

TRT#: 5

SEX: Male

DAY ON TEST: 692

DOSE: 700 PPM

DISP: Natural Death

HISTO: 33404

ORGAN AND ACCOUNTABLE SITE STATUS

[Leukemia Mononuclear TGLS = 6-2]

* Pituitary Gland

Pars Distalis

Adenoma

Leukemia Mononuclear

* Spleen

Leukemia Mononuclear

[Leukemia Mononuclear TGLS = 3-11]

* Testes

Bilateral, Interstit Cell

Adenoma

Leukemia Mononuclear

[Adenoma TGLS = 2-7]

[Leukemia Mononuclear TGLS = 2-7]

* Thymus

Leukemia Mononuclear

[Leukemia Mononuclear TGLS = 2-7]

* Thyroid Gland

C Cell

Carcinoma

[Carcinoma TGLS = 6-2]

PRIMARY CAUSE OF DEATH

- Spleen Leukemia Mononuclear

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05135-07

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Isoprene

CAS Number: 78-79-5

Date Report Requested: 10/22/2014

Time Report Requested: 18:27:44

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 410

TRT#: 5

SEX: Male

DAY ON TEST: 734

DOSE: 700 PPM

DISP: Terminal Sacrifice

HISTO: 33405

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Bone	* Bone Marrow	* Brain	* Epididymis
* Esophagus	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Larynx
* Mammary Gland	* Nose	* Salivary Glands	* Seminal Vesicle
* Skin	* Stomach, Forestomach	* Stomach, Glandular	* Thyroid Gland
* Trachea	* Urinary Bladder		

MISSING

* Lymph Node, Mediastinal

OBSERVATIONS

* Adrenal Cortex		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 9-7]			
* Adrenal Medulla		Hyperplasia	Mild
		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 9-7]			
Eye	Retina	Atrophy	Moderate
		Cataract	Moderate
[Cataract TGLS = 7-13]			
* Heart		Cardiomyopathy	Mild
		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 7-13]			
* Islets, Pancreatic		Adenoma	
* Kidney		Leukemia Mononuclear	
		Nephropathy	Marked
[Nephropathy TGLS = 5-5]			
* Liver	Bile Duct	Hyperplasia	Mild
		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 6-4]			
* Lung		Inflammation	Chronic Active, Minimal
		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 6-4]			

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05135-07

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Isoprene

CAS Number: 78-79-5

Date Report Requested: 10/22/2014

Time Report Requested: 18:27:44

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 410

TRT#: 5

SEX: Male

DAY ON TEST: 734

DOSE: 700 PPM

DISP: Terminal Sacrifice

HISTO: 33405

ORGAN AND ACCOUNTABLE SITE STATUS

* Lymph Node, Bronchial [Leukemia Mononuclear TGLS = 9-7]		Leukemia Mononuclear	
* Lymph Node, Mandibular [Leukemia Mononuclear TGLS = 9-7]		Leukemia Mononuclear	
* Lymph Node, Mesenteric [Leukemia Mononuclear TGLS = 2-7]		Leukemia Mononuclear	
* Pancreas		Leukemia Mononuclear	
* Parathyroid Gland		Hyperplasia	Mild
* Pituitary Gland [Adenoma TGLS = 8-8]	Pars Distalis	Adenoma Leukemia Mononuclear	
* Preputial Gland [Adenoma TGLS = 1-14+15]		Adenoma	
* Prostate		Hyperplasia	Mild
* Spleen [Fibrosis TGLS = 4-12] [Leukemia Mononuclear TGLS = 3-11]		Fibrosis Leukemia Mononuclear	Mild
* Testes [Adenoma TGLS = 2-7]	Bilateral, Interstit Cell	Adenoma	
* Thymus [Leukemia Mononuclear TGLS = 2-7]		Leukemia Mononuclear	

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05135-07

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Isoprene

CAS Number: 78-79-5

Date Report Requested: 10/22/2014

Time Report Requested: 18:27:44

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 411

TRT#: 5

SEX: Male

DAY ON TEST: 686

DOSE: 700 PPM

DISP: Moribund Sacrifice

HISTO: 33406

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Bone Marrow	* Brain	* Epididymis	* Esophagus
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Larynx
* Lymph Node, Bronchial	* Lymph Node, Mediastinal	* Lymph Node, Mesenteric	* Mammary Gland
* Parathyroid Gland	* Preputial Gland	* Salivary Glands	* Seminal Vesicle
* Skin	* Thymus	* Trachea	* Urinary Bladder

OBSERVATIONS

* Adrenal Cortex		Leukemia Mononuclear	
* Adrenal Medulla		Hyperplasia	Mild
		Leukemia Mononuclear	
* Bone		Hyperostosis	Minimal
* Heart		Cardiomyopathy	Mild
	Atrium	Leukemia Mononuclear	
* Kidney	Renal Tubule	Thrombosis	Mild
	Renal Tubule	Adenoma	
		Carcinoma	
		Leukemia Mononuclear	
		Nephropathy	Moderate
	[Carcinoma TGLS = 4-12]		
	[Nephropathy TGLS = 3-5]		
* Liver	Bile Duct	Hyperplasia	Mild
		Leukemia Mononuclear	
	Centrilobular	Necrosis	Mild
	[Leukemia Mononuclear TGLS = 3-5]		
* Lung		Inflammation	Chronic Active, Minimal
		Leukemia Mononuclear	
* Lymph Node, Mandibular		Leukemia Mononuclear	
* Nose		Thrombosis	Mild
* Pancreas		Adenoma	
		Atrophy	Mild

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05135-07
Test Type: CHRONIC
Species/Strain: Rat/F 344/N

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

Date Report Requested: 10/22/2014
Time Report Requested: 18:27:44
First Dose M/F: NA / NA
Lab: BNW

ANIMAL ID: 411	TRT#: 5 DOSE: 700 PPM	SEX: Male DISP: Moribund Sacrifice	DAY ON TEST: 686 HISTO: 33406
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ORGAN AND ACCOUNTABLE SITE STATUS

* Pituitary Gland	Pars Distalis	Hyperplasia Adenoma Leukemia Mononuclear	Marked
* Prostate		Hyperplasia	Mild
* Spleen		Fibrosis Leukemia Mononuclear	Moderate
[Fibrosis TGLS = 2-11]			
* Stomach, Forestomach		Necrosis	Moderate
[Necrosis TGLS = 5-13]			
* Stomach, Glandular		Mineralization	Minimal
* Testes	Interstit Cell	Adenoma	
[Adenoma TGLS = 1-7]			
* Thyroid Gland	C Cell	Hyperplasia	Minimal

PRIMARY CAUSE OF DEATH - Spleen Leukemia Mononuclear

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05135-07

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Isoprene

CAS Number: 78-79-5

Date Report Requested: 10/22/2014

Time Report Requested: 18:27:44

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 412

TRT#: 5

SEX: Male

DAY ON TEST: 566

DOSE: 700 PPM

DISP: Moribund Sacrifice

HISTO: 33407

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Bone Marrow	* Brain	* Epididymis
* Esophagus	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Larynx
* Lymph Node, Bronchial	* Lymph Node, Mandibular	* Lymph Node, Mediastinal	* Lymph Node, Mesenteric
* Mammary Gland	* Preputial Gland	* Prostate	* Salivary Glands
* Seminal Vesicle	* Skin	* Spleen	* Thymus
* Urinary Bladder			

OBSERVATIONS

* Adrenal Medulla	Bilateral	Pheochromocytoma Benign	
Blood Vessel	Aorta	Mineralization	Marked
[Mineralization TGLS = 4-4]			
* Bone		Fibrous Osteodystrophy	Moderate
* Heart	Artery	Cardiomyopathy	Moderate
		Mineralization	Moderate
* Islets, Pancreatic		Adenoma	
* Kidney	Renal Tubule	Cyst	Mild
		Hyperplasia	Mild
		Mineralization	Moderate
		Nephropathy	Marked
[Nephropathy TGLS = 6-5]			
* Liver		Basophilic Focus	
[Basophilic Focus TGLS = 6-5]			
* Lung	Artery, Mediastinum	Mineralization	Moderate
		Mineralization	Marked
[Mineralization TGLS = 3-3+3A]			
Mesentery	Artery	Mineralization	Marked
	Fat	Necrosis	Mild
[Necrosis TGLS = 7-11]			
* Nose	Olfactory Epi	Atrophy	Minimal
		Foreign Body	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05135-07
Test Type: CHRONIC
Species/Strain: Rat/F 344/N

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

Date Report Requested: 10/22/2014
Time Report Requested: 18:27:44
First Dose M/F: NA / NA
Lab: BNW

ANIMAL ID: 412	TRT#: 5 DOSE: 700 PPM	SEX: Male DISP: Moribund Sacrifice	DAY ON TEST: 566 HISTO: 33407
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ORGAN AND ACCOUNTABLE SITE STATUS

* Pancreas		Inflammation	Suppurative, Mild
* Parathyroid Gland		Atrophy	Mild
* Pituitary Gland	Pars Distalis	Hyperplasia	Marked
* Stomach, Forestomach		Hyperplasia	Moderate
* Stomach, Glandular		Mineralization	Moderate
* Testes	Bilateral, Interstit Cell	Mineralization	Marked
[Adenoma TGLS = 5-7]		Adenoma	
* Thyroid Gland	C Cell	Hyperplasia	Minimal
* Trachea		Mineralization	Mild

PRIMARY CAUSE OF DEATH	- Liver Basophilic Focus
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* PROTOCOL REQUIRED TISSUE

Experiment Number: 05135-07

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Isoprene

CAS Number: 78-79-5

Date Report Requested: 10/22/2014

Time Report Requested: 18:27:44

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 413

TRT#: 5

SEX: Male

DAY ON TEST: 722

DOSE: 700 PPM

DISP: Natural Death

HISTO: 33408

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla
* Epididymis
* Larynx
* Parathyroid Gland
* Skin
* Urinary Bladder

* Bone
* Esophagus
* Mammary Gland
* Preputial Gland
* Stomach, Forestomach

* Bone Marrow
* Intestine Large, Colon
* Nose
* Salivary Glands
* Stomach, Glandular

* Brain
* Intestine Small, Duodenum
* Pancreas
* Seminal Vesicle
* Trachea

AUTO PRECLUDES DIAG.

* Intestine Large, Cecum
* Thyroid Gland

* Intestine Large, Rectum

* Intestine Small, Ileum

* Intestine Small, Jejunum

OBSERVATIONS

* Adrenal Cortex

Hyperplasia

Mild

Hypertrophy

Mild

* Heart

Cardiomyopathy

Mild

* Islets, Pancreatic

Adenoma

* Kidney

Leukemia Mononuclear

Nephropathy

Mild

* Liver

Degeneration

Cystic, Marked

Bile Duct

Hyperplasia

Moderate

Leukemia Mononuclear

Regeneration

Mild

[Degeneration TGLS = 6-11]

[Leukemia Mononuclear TGLS = 5,7-4+12]

* Lung

Leukemia Mononuclear

[Leukemia Mononuclear TGLS = 6-11]

* Lymph Node, Bronchial

Leukemia Mononuclear

[Leukemia Mononuclear TGLS = 3-7]

* Lymph Node, Mandibular

Leukemia Mononuclear

[Leukemia Mononuclear TGLS = 3-7]

* Lymph Node, Mediastinal

Leukemia Mononuclear

* Lymph Node, Mesenteric

Leukemia Mononuclear

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05135-07

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Isoprene

CAS Number: 78-79-5

Date Report Requested: 10/22/2014

Time Report Requested: 18:27:44

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 413

TRT#: 5

SEX: Male

DAY ON TEST: 722

DOSE: 700 PPM

DISP: Natural Death

HISTO: 33408

ORGAN AND ACCOUNTABLE SITE STATUS

[Leukemia Mononuclear TGLS = 3-7]			
Mesentery	Fat	Necrosis	Mild
[Necrosis TGLS = 2-14]			
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 1-8]			
* Prostate		Hyperplasia	Minimal
* Spleen		Fibrosis	Mild
		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 4-4]			
* Testes	Bilateral, Interstit Cell	Adenoma	
[Adenoma TGLS = 3-7]			
* Thymus		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 3-7]			

PRIMARY CAUSE OF DEATH - Pituitary Gland Pars Distalis Adenoma

CONTRIBUTORY CAUSE OF DEATH - Spleen Leukemia Mononuclear

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05135-07

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Isoprene

CAS Number: 78-79-5

Date Report Requested: 10/22/2014

Time Report Requested: 18:27:44

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 414

TRT#: 5

SEX: Male

DAY ON TEST: 734

DOSE: 700 PPM

DISP: Terminal Sacrifice

HISTO: 33409

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Bone	* Bone Marrow	* Brain	* Epididymis
* Esophagus	* 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	* Mammary Gland	* Nose
* Parathyroid Gland	* Preputial Gland	* Prostate	* Salivary Glands
* Seminal Vesicle	* Skin	* Stomach, Forestomach	* Stomach, Glandular
* Thymus	* Trachea	* Urinary Bladder	

MISSING

* Lymph Node, Mediastinal

OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Mild
* Adrenal Medulla		Pheochromocytoma Benign	
		Pheochromocytoma Malignant	
	[Pheochromocytoma Malignant TGLS = 3-5]		
* Heart		Cardiomyopathy	Moderate
* Kidney		Nephropathy	Moderate
* Pancreas		Atrophy	Mild
* Pituitary Gland	Pars Distalis	Hyperplasia	Moderate
* Spleen		Fibrosis	Mild
	[Fibrosis TGLS = 2-11]		
* Testes	Bilateral, Interstit Cell	Adenoma	
	[Adenoma TGLS = 1-12]		
* Thyroid Gland	C Cell	Hyperplasia	Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05135-07

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Isoprene

CAS Number: 78-79-5

Date Report Requested: 10/22/2014

Time Report Requested: 18:27:44

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 415

TRT#: 5

SEX: Male

DAY ON TEST: 734

DOSE: 700 PPM

DISP: Terminal Sacrifice

HISTO: 33410

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Bone	* Bone Marrow	* Brain	* Epididymis
* Esophagus	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Larynx	* Lymph Node, Bronchial	* Lymph Node, Mandibular	* Lymph Node, Mediastinal
* Lymph Node, Mesenteric	* Mammary Gland	* Nose	* Parathyroid Gland
* Preputial Gland	* Salivary Glands	* Seminal Vesicle	* Skin
* Spleen	* Stomach, Forestomach	* Stomach, Glandular	* Thymus
* Trachea	* Urinary Bladder		

OBSERVATIONS

* Adrenal Cortex		Hypertrophy	Minimal
* Adrenal Medulla		Hyperplasia	Mild
* Heart		Cardiomyopathy	Mild
* Kidney		Nephropathy	Moderate
[Nephropathy TGLS = 3-5]			
* Liver		Basophilic Focus	
[Basophilic Focus TGLS = 3-5]		Degeneration	Cystic, Minimal
* Lung		Inflammation	Chronic Active, Minimal
Mesentery		Thrombosis	Marked
[Thrombosis TGLS = 4-11]			
* Pancreas		Atrophy	Mild
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 1-8]			
* Prostate		Hyperplasia	Moderate
* Testes	Bilateral, Interstit Cell	Adenoma	
[Adenoma TGLS = 2-12]			
* Thyroid Gland	C Cell	Hyperplasia	Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05135-07

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Isoprene

CAS Number: 78-79-5

Date Report Requested: 10/22/2014

Time Report Requested: 18:27:44

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 416

TRT#: 5

SEX: Male

DAY ON TEST: 727

DOSE: 700 PPM

DISP: Moribund Sacrifice

HISTO: 33411

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Bone	* Bone Marrow	* Brain	* Epididymis
* Esophagus	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Larynx	* Lung	* Lymph Node, Bronchial	* Lymph Node, Mandibular
* Lymph Node, Mediastinal	* Lymph Node, Mesenteric	* Mammary Gland	* Pancreas
* Preputial Gland	* Salivary Glands	* Seminal Vesicle	* Trachea
* Urinary Bladder			

MISSING

* Thymus

OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Mild
* Adrenal Medulla	Bilateral	Hyperplasia	Moderate
* Heart		Cardiomyopathy	Mild
* Kidney		Nephropathy	Marked
[Nephropathy TGLS = 5-5]			
* Liver		Basophilic Focus	
		Degeneration	Cystic, Mild
* Nose	Olfactory Epi	Atrophy	Mild
* Parathyroid Gland		Hyperplasia	Moderate
* Pituitary Gland	Pars Distalis	Adenoma	
* Prostate		Hyperplasia	Moderate
* Skin		Trichoepithelioma	
[Trichoepithelioma TGLS = 4-11]			
* Spleen		Fibrosis	Minimal
* Stomach, Forestomach		Necrosis	Moderate
[Necrosis TGLS = 6-8+13]			
* Stomach, Glandular		Necrosis	Moderate
[Necrosis TGLS = 6-8+13]			
* Testes	Bilateral, Interstit Cell	Adenoma	
[Adenoma TGLS = 2,3-7+12]			

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05135-07

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Isoprene

CAS Number: 78-79-5

Date Report Requested: 10/22/2014

Time Report Requested: 18:27:44

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 416

TRT#: 5

SEX: Male

DAY ON TEST: 727

DOSE: 700 PPM

DISP: Moribund Sacrifice

HISTO: 33411

ORGAN AND ACCOUNTABLE SITE STATUS

* Thyroid Gland

C Cell

Hyperplasia

Minimal

PRIMARY CAUSE OF DEATH

- Kidney Nephropathy

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05135-07

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Isoprene

CAS Number: 78-79-5

Date Report Requested: 10/22/2014

Time Report Requested: 18:27:44

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 417

TRT#: 5

SEX: Male

DAY ON TEST: 671

DOSE: 700 PPM

DISP: Moribund Sacrifice

HISTO: 33412

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Bone	* Brain	* Epididymis	* Esophagus
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Larynx	* Mammary Gland
* Parathyroid Gland	* Preputial Gland	* Prostate	* Seminal Vesicle
* Skin	* Thyroid Gland	* Trachea	* Urinary Bladder

OBSERVATIONS

* Adrenal Cortex		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 11-17]			
* Adrenal Medulla		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 11-17]			
* Bone Marrow		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 6-8+13]			
* Heart		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 6-8+13]			
* Intestine Large, Rectum	Anus	Leiomyoma	
[Leiomyoma TGLS = 11-17]			
* Kidney		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 15-5]		Nephropathy	Moderate
* Liver		Hepatodiaphragmatic Nodule	
	Centrilobular	Leukemia Mononuclear	
[Hepatodiaphragmatic Nodule TGLS = 13-11]		Necrosis	Mild
[Leukemia Mononuclear TGLS = 12-4]			
* Lung		Inflammation	Chronic Active, Moderate
[Leukemia Mononuclear TGLS = 3-3+3A]		Leukemia Mononuclear	
Lymph Node	Pancreatic	Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 7-14]			
* Lymph Node, Bronchial		Leukemia Mononuclear	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05135-07

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Isoprene

CAS Number: 78-79-5

Date Report Requested: 10/22/2014

Time Report Requested: 18:27:44

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 417

TRT#: 5

DOSE: 700 PPM

SEX: Male

DISP: Moribund Sacrifice

DAY ON TEST: 671

HISTO: 33412

ORGAN AND ACCOUNTABLE SITE STATUS

[Leukemia Mononuclear TGLS = 1-7]			
* Lymph Node, Mandibular		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 1-7]			
* Lymph Node, Mediastinal		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 2-2]			
* Lymph Node, Mesenteric		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 14-6]			
* Nose		Foreign Body Inflammation	Suppurative, Mild
* Pancreas		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 7-14]			
* Pituitary Gland	Pars Distalis	Adenoma Leukemia Mononuclear	
[Adenoma TGLS = 4-8]			
[Leukemia Mononuclear TGLS = 7-14]			
* Salivary Glands		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 4-8]			
* Spleen		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 8,9,10-13+12]			
* Stomach, Forestomach		Hyperplasia	Squamous, Minimal
[Hyperplasia TGLS = 16-15]			
* Stomach, Glandular		Leukemia Mononuclear Necrosis	Moderate
[Leukemia Mononuclear TGLS = 17-16]			
[Necrosis TGLS = 17-16]			
* Testes	Bilateral, Interstit Cell	Adenoma	
[Adenoma TGLS = 5,6-7]			
* Thymus		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 5,6-7]			

PRIMARY CAUSE OF DEATH - Spleen Leukemia Mononuclear

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05135-07

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Isoprene

CAS Number: 78-79-5

Date Report Requested: 10/22/2014

Time Report Requested: 18:27:44

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 418

TRT#: 5

SEX: Male

DAY ON TEST: 591

DOSE: 700 PPM

DISP: Natural Death

HISTO: 33413

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Brain
* Epididymis	* Esophagus	* Islets, Pancreatic	* Larynx
* Liver	* Lung	* Lymph Node, Mandibular	* Lymph Node, Mediastinal
* Lymph Node, Mesenteric	* Pancreas	* Parathyroid Gland	* Preputial Gland
* Prostate	* Salivary Glands	* Seminal Vesicle	* Spleen
* Stomach, Forestomach	* Stomach, Glandular	* Thymus	* Thyroid Gland
* Trachea	* Urinary Bladder		

MISSING

* Lymph Node, Bronchial

AUTO PRECLUDES DIAG.

* Bone Marrow	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Nose

OBSERVATIONS

* Heart		Cardiomyopathy	Mild
* Kidney		Nephropathy	Mild
* Mammary Gland		Fibroadenoma	
[Fibroadenoma TGLS = 3-12]			
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 1-8]			
* Skin	Subcut Tiss	Fibroma	
[Fibroma TGLS = 2-11]			
* Testes	Interstit Cell	Adenoma	
	Interstit Cell	Hyperplasia	Moderate

PRIMARY CAUSE OF DEATH

- Pituitary Gland Pars Distalis Adenoma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05135-07

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Isoprene

CAS Number: 78-79-5

Date Report Requested: 10/22/2014

Time Report Requested: 18:27:44

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 419

TRT#: 5

SEX: Male

DAY ON TEST: 733

DOSE: 700 PPM

DISP: Terminal Sacrifice

HISTO: 33414

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Bone	* Bone Marrow	* Brain	* Epididymis
* Esophagus	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Larynx	* Lymph Node, Mandibular	* Lymph Node, Mediastinal	* Lymph Node, Mesenteric
* Pancreas	* Salivary Glands	* Seminal Vesicle	* Skin
* Stomach, Forestomach	* Stomach, Glandular	* Thymus	* Trachea
* Urinary Bladder			

MISSING

* Lymph Node, Bronchial	* Parathyroid Gland
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OBSERVATIONS

* Adrenal Cortex		Leukemia Mononuclear	
* Adrenal Medulla		Hyperplasia	Mild
		Leukemia Mononuclear	
* Heart		Cardiomyopathy	Mild
	Atrium	Thrombosis	Moderate
	[Thrombosis TGLS = 3-12]		
* Kidney		Nephropathy	Moderate
* Liver		Fatty Change	Minimal
	Bile Duct	Hyperplasia	Mild
	Centrilobular	Leukemia Mononuclear	
	[Leukemia Mononuclear TGLS = 8-4]	Necrosis	Mild
* Lung		Inflammation	Chronic Active, Mild
		Leukemia Mononuclear	
* Mammary Gland		Carcinoma	
	[Carcinoma TGLS = 2-11]		
* Nose		Thrombosis	Mild
* Pituitary Gland	Pars Distalis	Adenoma	
	[Adenoma TGLS = 4-8]		
* Preputial Gland		Adenoma	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05135-07

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Isoprene

CAS Number: 78-79-5

Date Report Requested: 10/22/2014

Time Report Requested: 18:27:44

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 419

TRT#: 5

SEX: Male

DAY ON TEST: 733

DOSE: 700 PPM

DISP: Terminal Sacrifice

HISTO: 33414

ORGAN AND ACCOUNTABLE SITE STATUS

[Adenoma TGLS = 1-13]

* Prostate Hyperplasia Minimal

* Spleen Leukemia Mononuclear

[Leukemia Mononuclear TGLS = 5-4]

* Testes Bilateral, Interstit Cell Adenoma

[Adenoma TGLS = 6,7-7]

* Thyroid Gland C Cell Hyperplasia Mild

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05135-07

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Isoprene

CAS Number: 78-79-5

Date Report Requested: 10/22/2014

Time Report Requested: 18:27:44

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 420

TRT#: 5

SEX: Male

DAY ON TEST: 469

DOSE: 700 PPM

DISP: Moribund Sacrifice

HISTO: 33415

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

* Heart		Cardiomyopathy	Mild
* Kidney		Nephropathy	Mild
* Lung	Alveolar Epith	Hyperplasia	Minimal
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 1-8]			
* Thyroid Gland	C Cell	Adenoma	

PRIMARY CAUSE OF DEATH

- Pituitary Gland Pars Distalis Adenoma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05135-07

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Isoprene

CAS Number: 78-79-5

Date Report Requested: 10/22/2014

Time Report Requested: 18:27:44

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 421

TRT#: 5

SEX: Male

DAY ON TEST: 521

DOSE: 700 PPM

DISP: Moribund Sacrifice

HISTO: 33416

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Lymph Node, Mediastinal

OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Mild
* Heart		Cardiomyopathy	Moderate
* Kidney		Nephropathy	Mild
* Liver		Fatty Change	Minimal
	Bile Duct	Hyperplasia	Minimal
Mesentery	Fat	Necrosis	Mild
[Necrosis TGLS = 4-12]			
* Pancreas		Hyperplasia	Mild
* Pituitary Gland	Pars Distalis	Hyperplasia	Minimal
* Preputial Gland		Inflammation	Chronic Active, Marked
[Inflammation TGLS = 3-7]			
* Testes	Interstit Cell	Hyperplasia	Mild

PRIMARY CAUSE OF DEATH

- Preputial Gland Inflammation

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05135-07

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Isoprene

CAS Number: 78-79-5

Date Report Requested: 10/22/2014

Time Report Requested: 18:27:44

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 422

TRT#: 5

SEX: Male

DAY ON TEST: 454

DOSE: 700 PPM

DISP: Moribund Sacrifice

HISTO: 33417

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Bone	* Bone Marrow	* Brain
* Epididymis	* Esophagus	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Larynx	* Lung	* Lymph Node, Mandibular
* Lymph Node, Mediastinal	* Lymph Node, Mesenteric	* Nose	* Pancreas
* Parathyroid Gland	* Salivary Glands	* Seminal Vesicle	* Skin
* Spleen	* Stomach, Forestomach	* Stomach, Glandular	* Thymus
* Thyroid Gland	* Trachea	* Urinary Bladder	

MISSING

* Lymph Node, Bronchial	* Mammary Gland
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OBSERVATIONS

* Adrenal Medulla		Hyperplasia	Minimal
* Heart		Cardiomyopathy	Minimal
* Kidney		Nephropathy	Mild
* Liver		Basophilic Focus	
		Clear Cell Focus	
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 1-8]			
* Preputial Gland		Carcinoma	
[Carcinoma TGLS = 2,3-12+13+14]			
* Prostate		Hyperplasia	Moderate
* Testes	Interstit Cell	Hyperplasia	Mild

PRIMARY CAUSE OF DEATH

- Preputial Gland Carcinoma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05135-07

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Isoprene

CAS Number: 78-79-5

Date Report Requested: 10/22/2014

Time Report Requested: 18:27:44

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 423

TRT#: 5

SEX: Male

DAY ON TEST: 510

DOSE: 700 PPM

DISP: Moribund Sacrifice

HISTO: 33418

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Bone	* Bone Marrow	* Brain	* Epididymis
* Esophagus	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Larynx	* Lymph Node, Bronchial	* Lymph Node, Mandibular	* Lymph Node, Mediastinal
* Lymph Node, Mesenteric	* Mammary Gland	* Nose	* Parathyroid Gland
* Preputial Gland	* Prostate	* Salivary Glands	* Seminal Vesicle
* Skin	* Stomach, Forestomach	* Stomach, Glandular	* Trachea
* Urinary Bladder			

OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Minimal
		Leukemia Mononuclear	
* Adrenal Medulla		Leukemia Mononuclear	
		Pheochromocytoma Benign	
* Heart		Cardiomyopathy	Mild
* Kidney		Leukemia Mononuclear	
		Nephropathy	Mild
* Liver	Bile Duct	Hyperplasia	Mild
		Leukemia Mononuclear	
		Regeneration	Marked
		[Leukemia Mononuclear TGLS = 2-4]	
		[Regeneration TGLS = 5-11]	
* Lung		Inflammation	Chronic Active, Moderate
		Leukemia Mononuclear	
		[Leukemia Mononuclear TGLS = 4-3+3A]	
Lymph Node	Pancreatic	Leukemia Mononuclear	
* Pancreas		Leukemia Mononuclear	
* Pituitary Gland	Pars Distalis	Adenoma	
		Leukemia Mononuclear	
* Spleen		Leukemia Mononuclear	
		[Leukemia Mononuclear TGLS = 1,3-12]	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05135-07

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Isoprene

CAS Number: 78-79-5

Date Report Requested: 10/22/2014

Time Report Requested: 18:27:44

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 423

TRT#: 5

SEX: Male

DAY ON TEST: 510

DOSE: 700 PPM

DISP: Moribund Sacrifice

HISTO: 33418

ORGAN AND ACCOUNTABLE SITE STATUS

* Testes [Adenoma TGLS = 6-7]	Interstit Cell	Adenoma	
* Thymus [Leukemia Mononuclear TGLS = 6-7]		Leukemia Mononuclear	
* Thyroid Gland	C Cell	Hyperplasia	Moderate
PRIMARY CAUSE OF DEATH	- Spleen	Leukemia Mononuclear	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05135-07

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Isoprene

CAS Number: 78-79-5

Date Report Requested: 10/22/2014

Time Report Requested: 18:27:44

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 424

TRT#: 5

SEX: Male

DAY ON TEST: 518

DOSE: 700 PPM

DISP: Moribund Sacrifice

HISTO: 33419

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Bone	* Bone Marrow	* Brain
* Epididymis	* Esophagus	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Larynx	* Lymph Node, Bronchial	* Lymph Node, Mandibular
* Lymph Node, Mediastinal	* Lymph Node, Mesenteric	* Mammary Gland	* Pancreas
* Parathyroid Gland	* Preputial Gland	* Prostate	* Salivary Glands
* Seminal Vesicle	* Spleen	* Thymus	* Trachea
* Urinary Bladder			

OBSERVATIONS

* Adrenal Medulla		Hyperplasia	Mild
* Heart		Cardiomyopathy	Mild
* Kidney	Renal Tubule	Hyperplasia	Mild
		Nephropathy	Moderate
	[Nephropathy TGLS = 3-5]		
* Liver		Fatty Change	Moderate
	Bile Duct	Hyperplasia	Minimal
* Lung	Alveolar Epith	Hyperplasia	Minimal
Mesentery	Fat	Inflammation	Chronic Active, Mild
	[Inflammation TGLS = 6-14]		
* Nose	Olfactory Epi	Atrophy	Mild
* Pituitary Gland	Pars Distalis	Adenoma	
	[Adenoma TGLS = 2-8]		
* Skin		Inflammation	Chronic Active, Moderate
	[Inflammation TGLS = 1-13]		
* Stomach, Forestomach		Necrosis	Marked
	[Necrosis TGLS = 5-12]		
* Stomach, Glandular		Necrosis	Moderate
* Testes	Interstit Cell	Hyperplasia	Minimal
* Thyroid Gland	C Cell	Hyperplasia	Minimal

PRIMARY CAUSE OF DEATH

- Pituitary Gland Pars Distalis Adenoma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05135-07

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Isoprene

CAS Number: 78-79-5

Date Report Requested: 10/22/2014

Time Report Requested: 18:27:44

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 425

TRT#: 5

SEX: Male

DAY ON TEST: 706

DOSE: 700 PPM

DISP: Moribund Sacrifice

HISTO: 33420

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Bone	* Bone Marrow	* Brain	* Epididymis
* Esophagus	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Larynx
* Lymph Node, Bronchial	* Lymph Node, Mandibular	* Lymph Node, Mediastinal	* Lymph Node, Mesenteric
* Mammary Gland	* Nose	* Parathyroid Gland	* Preputial Gland
* Prostate	* Salivary Glands	* Seminal Vesicle	* Skin
* Stomach, Forestomach	* Stomach, Glandular	* Thymus	* Trachea
* Urinary Bladder			

OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Mild
* Adrenal Medulla		Hyperplasia	Mild
		Pheochromocytoma Benign	
* Heart		Cardiomyopathy	Minimal
* Intestine Small, Duodenum		Necrosis	Minimal
* Kidney		Nephropathy	Marked
[Nephropathy TGLS = 5-5]			
* Liver		Basophilic Focus	
		Degeneration	Cystic, Mild
	Bile Duct	Hyperplasia	Minimal
		Leukemia Mononuclear	
[Degeneration TGLS = 6-11]			
[Leukemia Mononuclear TGLS = 4-4]			
* Lung		Inflammation	Chronic Active, Minimal
		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 4-4]			
* Pancreas		Atrophy	Mild
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 1-8]			
* Spleen		Fibrosis	Mild
		Leukemia Mononuclear	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05135-07

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Isoprene

CAS Number: 78-79-5

Date Report Requested: 10/22/2014

Time Report Requested: 18:27:44

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 425

TRT#: 5

SEX: Male

DAY ON TEST: 706

DOSE: 700 PPM

DISP: Moribund Sacrifice

HISTO: 33420

ORGAN AND ACCOUNTABLE SITE STATUS

[Fibrosis TGLS = 3-12]

[Leukemia Mononuclear TGLS = 3-12]

* Testes

Bilateral, Interstit Cell

Adenoma

[Adenoma TGLS = 2-7]

* Thyroid Gland

C Cell

Hyperplasia

Minimal

PRIMARY CAUSE OF DEATH

- Pituitary Gland Pars Distalis Adenoma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05135-07

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Isoprene

CAS Number: 78-79-5

Date Report Requested: 10/22/2014

Time Report Requested: 18:27:44

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 426

TRT#: 5

SEX: Male

DAY ON TEST: 667

DOSE: 700 PPM

DISP: Moribund Sacrifice

HISTO: 33421

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Bone	* Brain	* Epididymis	* Esophagus
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Larynx	* Lymph Node, Mesenteric
* Mammary Gland	* Pancreas	* Parathyroid Gland	* Preputial Gland
* Prostate	* Salivary Glands	* Seminal Vesicle	* Skin
* Stomach, Glandular	* Thyroid Gland	* Trachea	* Urinary Bladder

OBSERVATIONS

* Adrenal Cortex		Leukemia Mononuclear	
* Adrenal Medulla		Hyperplasia	Moderate
* Bone Marrow		Leukemia Mononuclear	
* Heart		Leukemia Mononuclear	
* Intestine Large, Cecum		Leukemia Mononuclear	
* Kidney		Leukemia Mononuclear	
		Nephropathy	Mild
* Liver	Bile Duct	Hyperplasia	Mild
	Centrilobular	Leukemia Mononuclear	
		Necrosis	Minimal
		[Leukemia Mononuclear TGLS = 1-4]	
* Lung		Leukemia Mononuclear	
* Lymph Node, Bronchial		Leukemia Mononuclear	
* Lymph Node, Mandibular		Leukemia Mononuclear	
* Lymph Node, Mediastinal		Leukemia Mononuclear	
		[Leukemia Mononuclear TGLS = 6-12]	
* Nose		Inflammation	Suppurative, Minimal
* Pituitary Gland	Pars Distalis	Adenoma	
		Leukemia Mononuclear	
* Spleen		Leukemia Mononuclear	
		Necrosis	Mild
		[Leukemia Mononuclear TGLS = 2-11]	
		[Necrosis TGLS = 3-11]	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05135-07

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Isoprene

CAS Number: 78-79-5

Date Report Requested: 10/22/2014

Time Report Requested: 18:27:44

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 426

TRT#: 5

SEX: Male

DAY ON TEST: 667

DOSE: 700 PPM

DISP: Moribund Sacrifice

HISTO: 33421

ORGAN AND ACCOUNTABLE SITE STATUS

* Stomach, Forestomach

[Leiomyosarcoma TGLS = 6-12]

Leiomyosarcoma

* Testes

[Adenoma TGLS = 4-7]

Bilateral, Interstit Cell

Adenoma

* Thymus

[Leukemia Mononuclear TGLS = 4-7]

Leukemia Mononuclear

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05135-07

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Isoprene

CAS Number: 78-79-5

Date Report Requested: 10/22/2014

Time Report Requested: 18:27:44

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 427

TRT#: 5

SEX: Male

DAY ON TEST: 668

DOSE: 700 PPM

DISP: Moribund Sacrifice

HISTO: 3342Z

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Bone	* Bone Marrow	* Brain	* Epididymis
* Esophagus	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Larynx
* Lymph Node, Bronchial	* Lymph Node, Mandibular	* Lymph Node, Mediastinal	* Lymph Node, Mesenteric
* Mammary Gland	* Pancreas	* Preputial Gland	* Prostate
* Salivary Glands	* Seminal Vesicle	* Stomach, Glandular	* Thymus
* Trachea	* Urinary Bladder		

MISSING

* Parathyroid Gland

OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Mild
* Adrenal Medulla		Pheochromocytoma Benign	
* Heart		Cardiomyopathy	Mild
* Intestine Small, Duodenum		Inflammation	Acute, Moderate
* Kidney	Renal Tubule	Hyperplasia	Mild
		Nephropathy	Marked
	[Nephropathy TGLS = 6-5]		
* Liver		Fatty Change	Mild
	Bile Duct	Hyperplasia	Minimal
		Inflammation	Acute, Moderate
		Necrosis	Moderate
		Note: Inflammation and necrosis were on surface of liver.	
		Note: "Nodule, 5x3mm, pale", noted at necropsy, was not apparent microscopically.	
* Lung	Alveolar Epith	Hyperplasia	Minimal
* Nose	Olfactory Epi	Atrophy	Mild
		Foreign Body	
* Pituitary Gland	Pars Distalis	Adenoma	
	[Adenoma TGLS = 3-8]		
* Skin		Inflammation	Chronic Active, Mild
* Spleen		Fibrosis	Minimal

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05135-07
Test Type: CHRONIC
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

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

Date Report Requested: 10/22/2014
Time Report Requested: 18:27:44
First Dose M/F: NA / NA
Lab: BNW

ANIMAL ID: 427	TRT#: 5 DOSE: 700 PPM	SEX: Male DISP: Moribund Sacrifice	DAY ON TEST: 668 HISTO: 33422
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ORGAN AND ACCOUNTABLE SITE STATUS

* Stomach, Forestomach [Inflammation TGLS = 4-11]		Inflammation	Acute, Mild
* Testes [Adenoma TGLS = 7-7]	Bilateral, Interstit Cell	Adenoma	
* Thyroid Gland	C Cell	Hyperplasia	Minimal

PRIMARY CAUSE OF DEATH - Pituitary Gland Pars Distalis Adenoma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05135-07

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Isoprene

CAS Number: 78-79-5

Date Report Requested: 10/22/2014

Time Report Requested: 18:27:44

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 428

TRT#: 5

SEX: Male

DAY ON TEST: 733

DOSE: 700 PPM

DISP: Terminal Sacrifice

HISTO: 33423

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Bone	* Bone Marrow	* Epididymis	* Esophagus
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Larynx
* Lymph Node, Mandibular	* Parathyroid Gland	* Preputial Gland	* Salivary Glands
* Stomach, Forestomach	* Stomach, Glandular	* Trachea	* Urinary Bladder

OBSERVATIONS

* Adrenal Cortex		Leukemia Mononuclear	
* Adrenal Medulla		Hyperplasia	Moderate
		Leukemia Mononuclear	
		Pheochromocytoma Benign	
* Brain		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLS = 4-11]		
* Heart		Cardiomyopathy	Mild
	[Cardiomyopathy TGLS = 2-4]	Leukemia Mononuclear	
	[Leukemia Mononuclear TGLS = 4-11]		
* Kidney		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLS = 2-4]	Nephropathy	Moderate
	[Nephropathy TGLS = 10-5]		
* Liver		Degeneration	Cystic, Minimal
	Bile Duct	Hyperplasia	Moderate
		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLS = 8-4]		
* Lung		Leukemia Mononuclear	
Lymph Node	Iliac	Leukemia Mononuclear	
	Pancreatic	Leukemia Mononuclear	
	[Leukemia Mononuclear TGLS = 11-11]		
* Lymph Node, Bronchial		Leukemia Mononuclear	
* Lymph Node, Mediastinal		Leukemia Mononuclear	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05135-07

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Isoprene

CAS Number: 78-79-5

Date Report Requested: 10/22/2014

Time Report Requested: 18:27:44

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 428

TRT#: 5

SEX: Male

DAY ON TEST: 733

DOSE: 700 PPM

DISP: Terminal Sacrifice

HISTO: 33423

ORGAN AND ACCOUNTABLE SITE STATUS

[Leukemia Mononuclear TGLS = 12-2]

* Lymph Node, Mesenteric

Leukemia Mononuclear

* Mammary Gland

Galactocele

Moderate

[Galactocele TGLS = 1-14]

* Nose

Leukemia Mononuclear

Thrombosis

Minimal

* Pancreas

Atrophy

Minimal

* Pituitary Gland

Pars Distalis

Adenoma

Leukemia Mononuclear

[Adenoma TGLS = 3-8]

* Prostate

Hyperplasia

Moderate

* Seminal Vesicle

Leukemia Mononuclear

* Skin

Squamous Cell Carcinoma

[Squamous Cell Carcinoma TGLS = 9-13]

* Spleen

Leukemia Mononuclear

Note: "Focus, .4cm dia, pale", noted at necropsy, was not apparent at trim or microscopically.

[Leukemia Mononuclear TGLS = 6-12]

* Testes

Bilateral, Interstit Cell

Adenoma

[Adenoma TGLS = 4,5-7+15]

* Thymus

Leukemia Mononuclear

[Leukemia Mononuclear TGLS = 4,5-7+15]

* Thyroid Gland

C Cell

Hyperplasia

Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05135-07

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Isoprene

CAS Number: 78-79-5

Date Report Requested: 10/22/2014

Time Report Requested: 18:27:44

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 429

TRT#: 5

SEX: Male

DAY ON TEST: 733

DOSE: 700 PPM

DISP: Terminal Sacrifice

HISTO: 33424

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Bone Marrow	* Brain
* Epididymis	* Esophagus	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Larynx	* Lymph Node, Bronchial	* Lymph Node, Mandibular	* Lymph Node, Mediastinal
* Lymph Node, Mesenteric	* Mammary Gland	* Nose	* Preputial Gland
* Salivary Glands	* Seminal Vesicle	* Skin	* Stomach, Forestomach
* Stomach, Glandular	* Thymus	* Trachea	* Urinary Bladder

MISSING

* Parathyroid Gland

OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Mild
		Hypertrophy	Mild
* Heart		Cardiomyopathy	Mild
* Intestine Small, Ileum		Necrosis	Marked
* Kidney		Leukemia Mononuclear	
		Nephropathy	Moderate
* Liver	Bile Duct	Hyperplasia	Minimal
		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLS = 2-4]		
* Lung		Inflammation	Chronic Active, Mild
		Leukemia Mononuclear	
* Pancreas		Atrophy	Mild
* Pituitary Gland	Pars Distalis	Adenoma	
	[Adenoma TGLS = 1-8]		
* Prostate		Hyperplasia	Mild
* Spleen		Leukemia Mononuclear	
* Testes	Bilateral, Interstit Cell	Adenoma	
	[Adenoma TGLS = 3,4-7]		
* Thyroid Gland	C Cell	Adenoma	
	Follicular Cel	Carcinoma	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05135-07
Test Type: CHRONIC
Species/Strain: Rat/F 344/N

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

Date Report Requested: 10/22/2014
Time Report Requested: 18:27:44
First Dose M/F: NA / NA
Lab: BNW

ANIMAL ID: 429

TRT#: 5

SEX: Male

DAY ON TEST: 733

DOSE: 700 PPM

DISP: Terminal Sacrifice

HISTO: 33424

ORGAN AND ACCOUNTABLE SITE STATUS

[Carcinoma TGLS = 5-2]

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05135-07

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Isoprene

CAS Number: 78-79-5

Date Report Requested: 10/22/2014

Time Report Requested: 18:27:44

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 430

TRT#: 5

SEX: Male

DAY ON TEST: 683

DOSE: 700 PPM

DISP: Moribund Sacrifice

HISTO: 33425

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Mild
* Heart		Cardiomyopathy	Mild
* Kidney		Nephropathy	Moderate
[Nephropathy TGLS = 7-5]			
* Liver		Angiectasis	Mild
		Eosinophilic Focus	
	Bile Duct	Hyperplasia	Minimal
[Leukemia Mononuclear TGLS = 8-4]		Leukemia Mononuclear	
* Mammary Gland		Fibroadenoma	
		Galactocele	Mild
[Fibroadenoma TGLS = 2-12]			
[Galactocele TGLS = 3-13]			
* Pancreas		Atrophy	Mild
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 1-8]			
* Spleen		Fibrosis	Mild
		Leukemia Mononuclear	
[Fibrosis TGLS = 5-11]			
[Leukemia Mononuclear TGLS = 6-11]			
* Testes	Bilateral, Interstit Cell	Adenoma	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05135-07

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Isoprene

CAS Number: 78-79-5

Date Report Requested: 10/22/2014

Time Report Requested: 18:27:44

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 430

TRT#: 5

SEX: Male

DAY ON TEST: 683

DOSE: 700 PPM

DISP: Moribund Sacrifice

HISTO: 33425

ORGAN AND ACCOUNTABLE SITE STATUS

[Adenoma TGLS = 4-7]

* Thyroid Gland

C Cell

Hyperplasia

Mild

Tongue

Hyperplasia

Minimal

[Hyperplasia TGLS = 10-14]

PRIMARY CAUSE OF DEATH

- Pituitary Gland Pars Distalis Adenoma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05135-07

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Isoprene

CAS Number: 78-79-5

Date Report Requested: 10/22/2014

Time Report Requested: 18:27:44

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 431

TRT#: 5

SEX: Male

DAY ON TEST: 728

DOSE: 700 PPM

DISP: Moribund Sacrifice

HISTO: 33426

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Bone	* Bone Marrow	* Brain
* Epididymis	* Esophagus	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Larynx	* Lymph Node, Bronchial	* Lymph Node, Mandibular
* Lymph Node, Mediastinal	* Lymph Node, Mesenteric	* Parathyroid Gland	* Preputial Gland
* Salivary Glands	* Seminal Vesicle	* Skin	* Stomach, Forestomach
* Stomach, Glandular	* Thymus	* Trachea	* Urinary Bladder

OBSERVATIONS

* Adrenal Medulla	Bilateral	Pheochromocytoma Benign	
[Pheochromocytoma Benign TGLS = 6-5]			
* Heart		Cardiomyopathy	Mild
* Kidney		Leukemia Mononuclear	
		Nephropathy	Marked
[Nephropathy TGLS = 5-5]			
* Liver		Basophilic Focus	
		Degeneration	Cystic, Minimal
		Fatty Change	Mild
	Bile Duct	Hyperplasia	Minimal
		Leukemia Mononuclear	
[Basophilic Focus TGLS = 5-5]			
[Leukemia Mononuclear TGLS = 4-4]			
* Lung		Inflammation	Chronic Active, Minimal
		Leukemia Mononuclear	
		Fibroadenoma	
* Mammary Gland			
[Fibroadenoma TGLS = 1-11]			
* Nose	Olfactory Epi	Atrophy	Mild
	Respirat Epith	Hyperplasia	Minimal
		Inflammation	Suppurative, Mild
* Pancreas		Atrophy	Mild
* Pituitary Gland	Pars Distalis	Adenoma	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05135-07

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Isoprene

CAS Number: 78-79-5

Date Report Requested: 10/22/2014

Time Report Requested: 18:27:44

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 431

TRT#: 5

SEX: Male

DAY ON TEST: 728

DOSE: 700 PPM

DISP: Moribund Sacrifice

HISTO: 33426

ORGAN AND ACCOUNTABLE SITE STATUS

[Adenoma TGLS = 2-8]

* Prostate		Hyperplasia	Mild
* Spleen		Leukemia Mononuclear	
* Testes	Bilateral, Interstit Cell	Adenoma	

[Adenoma TGLS = 3-7]

* Thyroid Gland	C Cell	Hyperplasia	Minimal
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PRIMARY CAUSE OF DEATH - Pituitary Gland Pars Distalis Adenoma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05135-07

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Isoprene

CAS Number: 78-79-5

Date Report Requested: 10/22/2014

Time Report Requested: 18:27:44

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 432

TRT#: 5

SEX: Male

DAY ON TEST: 681

DOSE: 700 PPM

DISP: Moribund Sacrifice

HISTO: 33427

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Bone	* Bone Marrow	* Brain
* Epididymis	* Esophagus	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Larynx
* Lung	* Lymph Node, Bronchial	* Lymph Node, Mandibular	* Lymph Node, Mediastinal
* Lymph Node, Mesenteric	* Pancreas	* Parathyroid Gland	* Preputial Gland
* Prostate	* Salivary Glands	* Seminal Vesicle	* Skin
* Spleen	* Thymus	* Trachea	* Urinary Bladder

OBSERVATIONS

* Adrenal Medulla		Hyperplasia	Mild
		Pheochromocytoma Benign	
* Heart		Cardiomyopathy	Mild
* Intestine Large, Rectum		Inflammation	Acute, Mild
* Intestine Small, Duodenum		Necrosis	Mild
[Necrosis TGLS = 8-6]			
* Kidney		Nephropathy	Marked
[Nephropathy TGLS = 6-5]			
* Liver		Angiectasis	Mild
		Basophilic Focus	
		Fatty Change	Moderate
	Bile Duct	Hyperplasia	Minimal
[Angiectasis TGLS = 7-11]			
[Basophilic Focus TGLS = 6-5]			
* Mammary Gland		Fibroadenoma	
[Fibroadenoma TGLS = 11-12]			
Mesentery	Fat	Hemorrhage	Mild
Note: "Mass, .7 x 1.3cm, red, soft" noted at necropsy was blood in normal mesenteric vasculature.			
[Hemorrhage TGLS = 4-15]			
* Nose	Olfactory Epi	Atrophy	Mild
		Inflammation	Suppurative, Minimal
* Pituitary Gland	Pars Distalis	Adenoma	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05135-07

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Isoprene

CAS Number: 78-79-5

Date Report Requested: 10/22/2014

Time Report Requested: 18:27:44

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 432

TRT#: 5

SEX: Male

DAY ON TEST: 681

DOSE: 700 PPM

DISP: Moribund Sacrifice

HISTO: 33427

ORGAN AND ACCOUNTABLE SITE STATUS

[Adenoma TGLS = 1-8]

* Stomach, Forestomach

Necrosis

Marked

[Necrosis TGLS = 9-13]

* Stomach, Glandular

Necrosis

Mild

[Necrosis TGLS = 10-14]

* Testes

Bilateral, Interstit Cell

Adenoma

[Adenoma TGLS = 2,3-7]

* Thyroid Gland

C Cell

Hyperplasia

Minimal

PRIMARY CAUSE OF DEATH

- Liver Basophilic Focus

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05135-07

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Isoprene

CAS Number: 78-79-5

Date Report Requested: 10/22/2014

Time Report Requested: 18:27:44

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 433

TRT#: 5

DOSE: 700 PPM

SEX: Male

DISP: Terminal Sacrifice

DAY ON TEST: 733

HISTO: 33428

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Bone Marrow	* Brain	* Esophagus
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Larynx	* Lymph Node, Mesenteric
* Mammary Gland	* Nose	* Pituitary Gland	* Preputial Gland
* Prostate	* Salivary Glands	* Seminal Vesicle	* Skin
* Stomach, Forestomach	* Stomach, Glandular	* Thymus	* Trachea
* Urinary Bladder			

OBSERVATIONS

* Adrenal Medulla	Bilateral	Pheochromocytoma Benign	
* Bone		Fibrous Osteodystrophy	Minimal
* Epididymis		Mesothelioma Benign	
* Heart		Cardiomyopathy	Moderate
* Islets, Pancreatic		Hyperplasia	Mild
* Kidney	Renal Tubule	Hyperplasia	Moderate
		Nephropathy	Marked
	[Nephropathy TGLS = 7-5]		
* Liver		Degeneration	Cystic, Moderate
		Fatty Change	Minimal
	Bile Duct	Hyperplasia	Mild
		Leukemia Mononuclear	
	[Degeneration TGLS = 9-12]		
	[Leukemia Mononuclear TGLS = 6-4]		
* Lung		Inflammation	Chronic Active, Mild
		Leukemia Mononuclear	
		Leukemia Mononuclear	
	Lymph Node		
	[Leukemia Mononuclear TGLS = 8-14]		
* Lymph Node, Bronchial		Leukemia Mononuclear	
* Lymph Node, Mandibular		Leukemia Mononuclear	
* Lymph Node, Mediastinal		Leukemia Mononuclear	
Mesentery	Fat	Necrosis	Mild

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05135-07
Test Type: CHRONIC
Species/Strain: Rat/F 344/N

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

Date Report Requested: 10/22/2014
Time Report Requested: 18:27:44
First Dose M/F: NA / NA
Lab: BNW

ANIMAL ID: 433	TRT#: 5 DOSE: 700 PPM	SEX: Male DISP: Terminal Sacrifice	DAY ON TEST: 733 HISTO: 33428
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ORGAN AND ACCOUNTABLE SITE STATUS

[Necrosis TGLS = 5-13]			
* Pancreas		Adenoma Atrophy Hyperplasia	Mild Moderate
* Parathyroid Gland		Hyperplasia	Mild
* Spleen		Fibrosis Leukemia Mononuclear	Mild
[Fibrosis TGLS = 2-11]			
[Leukemia Mononuclear TGLS = 1-11]			
* Testes	Bilateral, Interstit Cell	Adenoma Mesothelioma Benign	
[Adenoma TGLS = 3,4-7]			
[Mesothelioma Benign TGLS = 2-11]			
* Thyroid Gland	C Cell	Hyperplasia	Minimal
PRIMARY CAUSE OF DEATH	-		

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05135-07

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Isoprene

CAS Number: 78-79-5

Date Report Requested: 10/22/2014

Time Report Requested: 18:27:44

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 434

TRT#: 5

SEX: Male

DAY ON TEST: 580

DOSE: 700 PPM

DISP: Moribund Sacrifice

HISTO: 33429

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

* Heart		Cardiomyopathy	Mild
* Kidney		Nephropathy	Mild
* Liver		Degeneration	Cystic, Minimal
* Lung		Inflammation	Chronic Active, Minimal
* Pancreas		Atrophy	Mild
* Pituitary Gland	Pars Distalis	Adenoma	
* Skin	Subcut Tiss	Fibrosarcoma	
	Subcut Tiss	Schwannoma Malignant	
	[Fibrosarcoma TGLS = 5-16+17]		
	[Schwannoma Malignant TGLS = 3-11+12+13+14]		
* Spleen		Fibrosis	Mild
	[Fibrosis TGLS = 6-15]		
* Testes	Bilateral, Interstit Cell	Adenoma	
	[Adenoma TGLS = 4-7]		

PRIMARY CAUSE OF DEATH - Skin Subcut Tiss Schwannoma Malignant

CONTRIBUTORY CAUSE OF DEATH - Skin Subcut Tiss Fibrosarcoma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05135-07

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Isoprene

CAS Number: 78-79-5

Date Report Requested: 10/22/2014

Time Report Requested: 18:27:44

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 435

TRT#: 5

SEX: Male

DAY ON TEST: 537

DOSE: 700 PPM

DISP: Moribund Sacrifice

HISTO: 33430

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Bone	* Brain	* Epididymis	* Esophagus
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Larynx	* Lymph Node, Mandibular
* Mammary Gland	* Pancreas	* Parathyroid Gland	* Preputial Gland
* Prostate	* Salivary Glands	* Seminal Vesicle	* Skin
* Stomach, Forestomach	* Trachea	* Urinary Bladder	

OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Mild
[Leukemia Mononuclear TGLS = 7-13]		Leukemia Mononuclear	
* Adrenal Medulla		Hyperplasia	Mild
		Leukemia Mononuclear	
* Bone Marrow		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 4-7]			
* Heart		Cardiomyopathy	Mild
		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 4-7]			
* Intestine Large, Cecum		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 7-13]			
* Kidney		Leukemia Mononuclear	
		Nephropathy	Mild
* Liver		Degeneration	Cystic, Mild
	Bile Duct	Hyperplasia	Mild
		Leukemia Mononuclear	
	Centrilobular	Necrosis	Minimal
[Leukemia Mononuclear TGLS = 5-4]			
* Lung		Leukemia Mononuclear	
* Lymph Node, Bronchial		Leukemia Mononuclear	
* Lymph Node, Mediastinal		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 9-14]			

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05135-07
Test Type: CHRONIC
Species/Strain: Rat/F 344/N

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

Date Report Requested: 10/22/2014
Time Report Requested: 18:27:44
First Dose M/F: NA / NA
Lab: BNW

ANIMAL ID: 435	TRT#: 5	SEX: Male	DAY ON TEST: 537
	DOSE: 700 PPM	DISP: Moribund Sacrifice	HISTO: 33430

ORGAN AND ACCOUNTABLE SITE STATUS

* Lymph Node, Mesenteric		Leukemia Mononuclear	
* Nose		Thrombosis	Moderate
* Pituitary Gland	Pars Distalis	Adenoma	
		Leukemia Mononuclear	
	[Adenoma TGLS = 3-8]		
* Spleen		Leukemia Mononuclear	
		Necrosis	Mild
	[Leukemia Mononuclear TGLS = 4-11]		
	[Necrosis TGLS = 6-12]		
* Stomach, Glandular		Necrosis	Mild
	[Necrosis TGLS = 9-14]		
* Testes	Bilateral, Interstit Cell	Adenoma	
	[Adenoma TGLS = 8-7]		
* Thymus		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLS = 8-7]		
* Thyroid Gland	C Cell	Hyperplasia	Minimal
PRIMARY CAUSE OF DEATH	- Spleen	Leukemia Mononuclear	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05135-07

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Isoprene

CAS Number: 78-79-5

Date Report Requested: 10/22/2014

Time Report Requested: 18:27:44

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 436

TRT#: 5

SEX: Male

DAY ON TEST: 733

DOSE: 700 PPM

DISP: Terminal Sacrifice

HISTO: 33431

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Bone	* Bone Marrow	* Brain	* Epididymis
* Esophagus	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Larynx	* Lymph Node, Mandibular	* Lymph Node, Mediastinal	* Lymph Node, Mesenteric
* Mammary Gland	* Preputial Gland	* Prostate	* Salivary Glands
* Seminal Vesicle	* Skin	* Spleen	* Stomach, Forestomach
* Stomach, Glandular	* Thymus	* Trachea	* Urinary Bladder

MISSING

* Lymph Node, Bronchial

OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Mild
* Adrenal Medulla		Hyperplasia	Mild
		Pheochromocytoma Benign	
Eye	Retina	Atrophy	Moderate
		Cataract	Moderate
		Hemorrhage	Moderate
	Cornea	Inflammation	Chronic Active, Mild
	[Hemorrhage TGLS = 1-12]		
* Heart		Cardiomyopathy	Moderate
* Kidney		Infarct	Mild
		Nephropathy	Marked
	[Infarct TGLS = 5-5]		
	[Nephropathy TGLS = 4-5]		
* Liver	Bile Duct	Hyperplasia	Minimal
* Lung		Inflammation	Chronic Active, Minimal
* Nose		Inflammation	Suppurative, Mild
	Olfactory Epi	Metaplasia	Mild
* Pancreas		Atrophy	Minimal
		Hyperplasia	Mild
* Parathyroid Gland		Hyperplasia	Mild

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05135-07

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Isoprene

CAS Number: 78-79-5

Date Report Requested: 10/22/2014

Time Report Requested: 18:27:44

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 436

TRT#: 5

SEX: Male

DAY ON TEST: 733

DOSE: 700 PPM

DISP: Terminal Sacrifice

HISTO: 33431

ORGAN AND ACCOUNTABLE SITE STATUS

* Pituitary Gland

Pars Distalis

Hyperplasia

Moderate

* Testes

Bilateral, Interstit Cell

Adenoma

[Adenoma TGLS = 2-7]

* Thyroid Gland

C Cell

Hyperplasia

Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05135-07

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Isoprene

CAS Number: 78-79-5

Date Report Requested: 10/22/2014

Time Report Requested: 18:27:44

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 437

TRT#: 5

SEX: Male

DAY ON TEST: 733

DOSE: 700 PPM

DISP: Terminal Sacrifice

HISTO: 33432

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Bone	* Bone Marrow	* Brain	* Epididymis
* Esophagus	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Larynx
* Lymph Node, Bronchial	* Lymph Node, Mandibular	* Lymph Node, Mediastinal	* Lymph Node, Mesenteric
* Nose	* Parathyroid Gland	* Salivary Glands	* Seminal Vesicle
* Skin	* Stomach, Forestomach	* Stomach, Glandular	* Thymus
* Trachea	* Urinary Bladder		

OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Mild
* Adrenal Medulla		Hyperplasia	Mild
		Pheochromocytoma Benign	
* Heart		Cardiomyopathy	Moderate
* Intestine Large, Cecum		Diverticulum	
		Mineralization	Mild
	[Diverticulum TGLS = 7-6]		
* Kidney		Nephropathy	Moderate
	[Nephropathy TGLS = 6-5]		
* Liver		Basophilic Focus	
		Clear Cell Focus	
	Bile Duct	Hyperplasia	Minimal
	[Basophilic Focus TGLS = 5-13]		
	[Clear Cell Focus TGLS = 5-13]		
* Lung	Alveolar Epith	Hyperplasia	Minimal
		Inflammation	Chronic Active, Minimal
* Mammary Gland		Fibroadenoma	
* Pancreas		Atrophy	Minimal
		Basophilic Focus	
* Pituitary Gland	Pars Distalis	Adenoma	
* Preputial Gland		Adenoma	
	[Adenoma TGLS = 1-12]		

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05135-07

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Isoprene

CAS Number: 78-79-5

Date Report Requested: 10/22/2014

Time Report Requested: 18:27:44

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 437

TRT#: 5

SEX: Male

DAY ON TEST: 733

DOSE: 700 PPM

DISP: Terminal Sacrifice

HISTO: 33432

ORGAN AND ACCOUNTABLE SITE STATUS

* Prostate		Hyperplasia	Mild
* Spleen		Fibrosis	Mild
[Fibrosis TGLS = 4-11]			
* Testes	Bilateral, Interstit Cell	Adenoma	
[Adenoma TGLS = 2,3-7]			
* Thyroid Gland	C Cell	Hyperplasia	Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05135-07

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Isoprene

CAS Number: 78-79-5

Date Report Requested: 10/22/2014

Time Report Requested: 18:27:44

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 438

TRT#: 5

SEX: Male

DAY ON TEST: 541

DOSE: 700 PPM

DISP: Moribund Sacrifice

HISTO: 33433

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Bone	* Epididymis	* Esophagus	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Larynx	* Mammary Gland
* Pancreas	* Preputial Gland	* Prostate	* Salivary Glands
* Seminal Vesicle	* Skin	* Stomach, Forestomach	* Stomach, Glandular
* Thymus	* Trachea	* Urinary Bladder	

MISSING

* Parathyroid Gland

OBSERVATIONS

* Adrenal Cortex		Leukemia Mononuclear	
* Adrenal Medulla		Leukemia Mononuclear	
* Bone Marrow		Leukemia Mononuclear	
* Brain		Leukemia Mononuclear	
* Heart		Cardiomyopathy	Mild
		Leukemia Mononuclear	
* Kidney		Leukemia Mononuclear	
		Nephropathy	Mild
* Liver		Degeneration	Cystic, Mild
	Bile Duct	Hyperplasia	Mild
	Centrilobular	Leukemia Mononuclear	
		Necrosis	Minimal
	[Leukemia Mononuclear TGLS = 4-4]		
* Lung		Inflammation	Chronic Active, Minimal
		Leukemia Mononuclear	
* Lymph Node, Bronchial		Leukemia Mononuclear	
* Lymph Node, Mandibular		Leukemia Mononuclear	
* Lymph Node, Mediastinal		Leukemia Mononuclear	
* Lymph Node, Mesenteric		Leukemia Mononuclear	
Mesentery	Fat	Necrosis	Mild
	[Necrosis TGLS = 1-12]		

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05135-07
Test Type: CHRONIC
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

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

Date Report Requested: 10/22/2014
Time Report Requested: 18:27:44
First Dose M/F: NA / NA
Lab: BNW

ANIMAL ID: 438	TRT#: 5	SEX: Male	DAY ON TEST: 541
	DOSE: 700 PPM	DISP: Moribund Sacrifice	HISTO: 33433

ORGAN AND ACCOUNTABLE SITE STATUS

* Nose		Leukemia Mononuclear	
		Thrombosis	Mild
* Pituitary Gland	Pars Distalis	Hyperplasia	Minimal
		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLS = 1-12]		
* Spleen		Fibrosis	Mild
		Leukemia Mononuclear	
	[Fibrosis TGLS = 5-11]		
	[Leukemia Mononuclear TGLS = 3-11]		
* Testes	Bilateral, Interstit Cell	Adenoma	
	[Adenoma TGLS = 2-7]		
* Thyroid Gland	C Cell	Hyperplasia	Minimal

PRIMARY CAUSE OF DEATH - Spleen Leukemia Mononuclear

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05135-07

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Isoprene

CAS Number: 78-79-5

Date Report Requested: 10/22/2014

Time Report Requested: 18:27:44

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 439

TRT#: 5

SEX: Male

DAY ON TEST: 566

DOSE: 700 PPM

DISP: Moribund Sacrifice

HISTO: 33434

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Brain	* Esophagus	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Larynx	* Lung	* Lymph Node, Bronchial
* Lymph Node, Mediastinal	* Lymph Node, Mesenteric	* Mammary Gland	* Pancreas
* Parathyroid Gland	* Preputial Gland	* Prostate	* Salivary Glands
* Seminal Vesicle	* Skin	* Spleen	* Stomach, Glandular
* Thymus	* Trachea	* Urinary Bladder	

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Epididymis		Mesothelioma Malignant	
* Heart		Cardiomyopathy	Minimal
* Kidney	Renal Tubule	Adenoma	
		Nephropathy	Marked
	[Nephropathy TGLS = 2-5]		
* Liver		Clear Cell Focus	
	[Clear Cell Focus TGLS = 2-5]		
* Nose	Olfactory Epi	Atrophy	Mild
Peritoneum		Mesothelioma Malignant	
	[Mesothelioma Malignant TGLS = 3-11]		
* Pituitary Gland	Pars Distalis	Adenoma	
* Stomach, Forestomach		Necrosis	Mild
* Testes	Bilateral, Interstit Cell	Adenoma	
		Mesothelioma Malignant	
	[Adenoma TGLS = 1-7]		
* Thyroid Gland	C Cell	Hyperplasia	Mild

PRIMARY CAUSE OF DEATH - Liver Clear Cell Focus

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05135-07

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Isoprene

CAS Number: 78-79-5

Date Report Requested: 10/22/2014

Time Report Requested: 18:27:44

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 440

TRT#: 5

SEX: Male

DAY ON TEST: 454

DOSE: 700 PPM

DISP: Moribund Sacrifice

HISTO: 33435

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Lymph Node, Bronchial

INSUFFICIENT TISSUE

* Intestine Large, Rectum

OBSERVATIONS

* Heart		Cardiomyopathy	Mild
* Kidney		Nephropathy	Minimal
* Liver		Basophilic Focus	
* Lung		Inflammation	Chronic Active, Minimal
* Nose	Respirat Epith	Hyperplasia	Minimal
		Inflammation	Suppurative, Mild
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 1-8]			
* Testes	Interstit Cell	Adenoma	
[Adenoma TGLS = 2-7]			
Zymbal's Gland		Carcinoma	
[Carcinoma TGLS = 3-11+12+13]			

PRIMARY CAUSE OF DEATH

- Zymbal's Gland Carcinoma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05135-07

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Isoprene

CAS Number: 78-79-5

Date Report Requested: 10/22/2014

Time Report Requested: 18:27:44

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 441

TRT#: 5

SEX: Male

DAY ON TEST: 621

DOSE: 700 PPM

DISP: Moribund Sacrifice

HISTO: 33436

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Bone	* Bone Marrow	* Brain
* Epididymis	* Esophagus	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Larynx	* Lymph Node, Bronchial	* Lymph Node, Mandibular	* Lymph Node, Mediastinal
* Lymph Node, Mesenteric	* Mammary Gland	* Nose	* Parathyroid Gland
* Preputial Gland	* Prostate	* Salivary Glands	* Seminal Vesicle
* Skin	* Stomach, Glandular	* Thymus	* Trachea
* Urinary Bladder			

OBSERVATIONS

* Adrenal Medulla		Hyperplasia	Mild
* Heart		Cardiomyopathy	Mild
* Intestine Small, Ileum		Inflammation	Chronic Active, Marked
[Inflammation TGLS = 5-12]			
* Kidney		Leukemia Mononuclear	
		Nephropathy	Moderate
[Nephropathy TGLS = 4-5]			
* Liver	Bile Duct	Hyperplasia	Mild
		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 2-4]			
* Lung		Inflammation	Chronic Active, Marked
		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 3-3+3A]			
* Pancreas		Atrophy	Mild
* Pituitary Gland	Pars Distalis	Hyperplasia	Moderate
* Spleen		Fibrosis	Minimal
		Leukemia Mononuclear	
* Stomach, Forestomach		Necrosis	Mild
* Testes	Bilateral, Interstit Cell	Adenoma	
[Adenoma TGLS = 1-7]			
* Thyroid Gland	C Cell	Hyperplasia	Moderate

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05135-07

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Isoprene

CAS Number: 78-79-5

Date Report Requested: 10/22/2014

Time Report Requested: 18:27:44

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 441

TRT#: 5

SEX: Male

DAY ON TEST: 621

DOSE: 700 PPM

DISP: Moribund Sacrifice

HISTO: 33436

ORGAN AND ACCOUNTABLE SITE STATUS

PRIMARY CAUSE OF DEATH

- Intestine Small, Ileum Inflammation

CONTRIBUTORY CAUSE OF DEATH

- Spleen Leukemia Mononuclear

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05135-07

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Isoprene

CAS Number: 78-79-5

Date Report Requested: 10/22/2014

Time Report Requested: 18:27:44

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 442

TRT#: 5

SEX: Male

DAY ON TEST: 695

DOSE: 700 PPM

DISP: Natural Death

HISTO: 33437

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Bone Marrow	* Brain	* Epididymis	* Esophagus
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Larynx
* Lymph Node, Bronchial	* Lymph Node, Mesenteric	* Mammary Gland	* Pancreas
* Preputial Gland	* Prostate	* Salivary Glands	* Skin
* Thymus	* Thyroid Gland	* Trachea	* Urinary Bladder

MISSING

* Lymph Node, Mandibular	* Lymph Node, Mediastinal
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AUTO PRECLUDES DIAG.

* Seminal Vesicle

OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Minimal
* Adrenal Medulla	Bilateral	Pheochromocytoma Benign	
Blood Vessel	Aorta	Mineralization	Marked
* Bone		Fibrous Osteodystrophy	Moderate
* Heart		Cardiomyopathy	Moderate
	Artery	Mineralization	Marked
* Kidney		Mineralization	Marked
		Nephropathy	Marked
	[Nephropathy TGLS = 6-5]		
* Liver		Angiectasis	Minimal
		Degeneration	Cystic, Mild
	Bile Duct	Hyperplasia	Mild
* Lung	Artery, Mediastinum	Mineralization	Marked
		Mineralization	Moderate
* Nose		Inflammation	Suppurative, Mild
* Parathyroid Gland		Hyperplasia	Marked
* Pituitary Gland	Pars Distalis	Adenoma	
	[Adenoma TGLS = 2-8]		
* Spleen		Fibrosis	Mild

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05135-07

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Isoprene

CAS Number: 78-79-5

Date Report Requested: 10/22/2014

Time Report Requested: 18:27:44

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 442

TRT#: 5

SEX: Male

DAY ON TEST: 695

DOSE: 700 PPM

DISP: Natural Death

HISTO: 33437

ORGAN AND ACCOUNTABLE SITE STATUS

[Fibrosis TGLS = 5-4]

* Stomach, Forestomach

Mineralization

Mild

* Stomach, Glandular

Mineralization

Marked

* Testes

Bilateral, Interstit Cell

Adenoma

[Adenoma TGLS = 3,4-7]

PRIMARY CAUSE OF DEATH

- Kidney Nephropathy

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05135-07

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Isoprene

CAS Number: 78-79-5

Date Report Requested: 10/22/2014

Time Report Requested: 18:27:44

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 443

TRT#: 5

SEX: Male

DAY ON TEST: 733

DOSE: 700 PPM

DISP: Terminal Sacrifice

HISTO: 33438

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Bone	* Bone Marrow	* Epididymis	* Esophagus
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Larynx	* Lymph Node, Mandibular
* Lymph Node, Mediastinal	* Lymph Node, Mesenteric	* Mammary Gland	* Nose
* Pancreas	* Parathyroid Gland	* Preputial Gland	* Salivary Glands
* Seminal Vesicle	* Stomach, Forestomach	* Stomach, Glandular	* Thymus
* Trachea	* Urinary Bladder		

OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Mild
* Adrenal Medulla		Hyperplasia	Moderate
* Brain		Granular Cell Tumor Benign	
* Heart		Cardiomyopathy	Mild
* Islets, Pancreatic		Hyperplasia	Moderate
* Kidney		Nephropathy	Moderate
[Nephropathy TGLS = 4-5]			
* Liver		Clear Cell Focus	
	Bile Duct	Hyperplasia	Mild
[Clear Cell Focus TGLS = 4-5]		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 4-5]			
* Lung		Inflammation	Chronic Active, Minimal
* Lymph Node, Bronchial		Leukemia Mononuclear	
* Pituitary Gland	Pars Distalis	Adenoma	
* Prostate		Hyperplasia	Mild
* Skin		Keratoacanthoma	
[Keratoacanthoma TGLS = 5-12]			
* Spleen		Fibrosis	Mild
[Fibrosis TGLS = 3-11]		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 2-4]			

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05135-07
Test Type: CHRONIC
Species/Strain: Rat/F 344/N

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

Date Report Requested: 10/22/2014
Time Report Requested: 18:27:44
First Dose M/F: NA / NA
Lab: BNW

ANIMAL ID: 443

TRT#: 5
DOSE: 700 PPM

SEX: Male
DISP: Terminal Sacrifice

DAY ON TEST: 733
HISTO: 33438

ORGAN AND ACCOUNTABLE SITE STATUS

* Testes [Adenoma TGLS = 1-7]	Bilateral, Interstit Cell	Adenoma
* Thyroid Gland	Follicular Cel	Adenoma

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05135-07

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Isoprene

CAS Number: 78-79-5

Date Report Requested: 10/22/2014

Time Report Requested: 18:27:44

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 444

TRT#: 5

SEX: Male

DAY ON TEST: 733

DOSE: 700 PPM

DISP: Moribund Sacrifice

HISTO: 33439

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Bone Marrow	* Brain	* Epididymis
* Esophagus	* 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
* Lymph Node, Mesenteric	* Mammary Gland	* Preputial Gland	* Salivary Glands
* Seminal Vesicle	* Skin	* Stomach, Forestomach	* Thymus
* Trachea	* Urinary Bladder		

OBSERVATIONS

* Adrenal Medulla		Hyperplasia	Moderate
		Pheochromocytoma Benign	
* Bone		Fibrous Osteodystrophy	Mild
* Heart		Cardiomyopathy	Moderate
* Islets, Pancreatic		Hyperplasia	Moderate
* Kidney	Renal Tubule	Cyst	Mild
		Hyperplasia	Mild
		Nephropathy	Marked
	[Nephropathy TGLS = 4-5]		
* Liver		Angiectasis	Mild
		Basophilic Focus	
	[Basophilic Focus TGLS = 4-5]		
* Nose		Thrombosis	Minimal
* Pancreas		Atrophy	Minimal
		Hyperplasia	Mild
* Parathyroid Gland		Hyperplasia	Moderate
* Pituitary Gland	Pars Distalis	Hyperplasia	Moderate
* Prostate		Inflammation	Chronic Active, Moderate
* Spleen		Fibrosis	Mild
	[Fibrosis TGLS = 3-11]		
* Stomach, Glandular		Mineralization	Moderate
* Testes	Bilateral, Interstit Cell	Adenoma	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05135-07

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Isoprene

CAS Number: 78-79-5

Date Report Requested: 10/22/2014

Time Report Requested: 18:27:44

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 444

TRT#: 5

SEX: Male

DAY ON TEST: 733

DOSE: 700 PPM

DISP: Moribund Sacrifice

HISTO: 33439

ORGAN AND ACCOUNTABLE SITE STATUS

[Adenoma TGLS = 1,2-7]

* Thyroid Gland

C Cell

Adenoma

PRIMARY CAUSE OF DEATH

- Liver Basophilic Focus

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05135-07

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Isoprene

CAS Number: 78-79-5

Date Report Requested: 10/22/2014

Time Report Requested: 18:27:44

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 445

TRT#: 5

SEX: Male

DAY ON TEST: 733

DOSE: 700 PPM

DISP: Terminal Sacrifice

HISTO: 33440

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Bone	* Bone Marrow	* Brain	* Epididymis
* Esophagus	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Larynx	* Lymph Node, Bronchial	* Lymph Node, Mandibular	* Lymph Node, Mediastinal
* Lymph Node, Mesenteric	* Mammary Gland	* Nose	* Pancreas
* Parathyroid Gland	* Preputial Gland	* Salivary Glands	* Seminal Vesicle
* Skin	* Stomach, Forestomach	* Stomach, Glandular	* Thymus
* Thyroid Gland	* Trachea	* Urinary Bladder	

OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Moderate
* Adrenal Medulla		Hyperplasia	Mild
		Pheochromocytoma Benign	
* Heart		Cardiomyopathy	Mild
* Kidney		Cyst	Mild
		Nephropathy	Moderate
	[Nephropathy TGLS = 4-5]		
* Liver		Basophilic Focus	
		Hepatodiaphragmatic Nodule	
		Hyperplasia	Minimal
	Bile Duct		
	[Basophilic Focus TGLS = 4-5]		
	[Hepatodiaphragmatic Nodule TGLS = 3-12]		
* Lung		Inflammation	Chronic Active, Minimal
* Pituitary Gland	Pars Distalis	Adenoma	
	[Adenoma TGLS = 1,2-8]		
* Prostate		Adenoma	
		Hyperplasia	Marked
	[Adenoma TGLS = 1,2-8]		
* Spleen		Fibrosis	Mild
	[Fibrosis TGLS = 5-11]		
* Testes	Bilateral, Interstit Cell	Adenoma	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05135-07

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Isoprene

CAS Number: 78-79-5

Date Report Requested: 10/22/2014

Time Report Requested: 18:27:44

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 445

TRT#: 5

SEX: Male

DAY ON TEST: 733

DOSE: 700 PPM

DISP: Terminal Sacrifice

HISTO: 33440

ORGAN AND ACCOUNTABLE SITE STATUS

[Adenoma TGLS = 6-13]

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05135-07

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Isoprene

CAS Number: 78-79-5

Date Report Requested: 10/22/2014

Time Report Requested: 18:27:44

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 446

TRT#: 5

SEX: Male

DAY ON TEST: 684

DOSE: 700 PPM

DISP: Moribund Sacrifice

HISTO: 33441

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Bone	* Bone Marrow	* Brain	* Epididymis
* Esophagus	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Larynx	* Lymph Node, Mandibular	* Lymph Node, Mediastinal	* Lymph Node, Mesenteric
* Nose	* Parathyroid Gland	* Preputial Gland	* Prostate
* Salivary Glands	* Seminal Vesicle	* Stomach, Forestomach	* Thymus
* Thyroid Gland	* Trachea	* Urinary Bladder	

MISSING

* Lymph Node, Bronchial	* Mammary Gland
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OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Mild
* Adrenal Medulla		Pheochromocytoma Benign	
* Heart		Cardiomyopathy	Mild
* Kidney		Nephropathy	Moderate
[Nephropathy TGLS = 1-5]			
* Liver		Clear Cell Focus	
		Hepatodiaphragmatic Nodule	
	Bile Duct	Hyperplasia	Minimal
[Hepatodiaphragmatic Nodule TGLS = 4-4]			
* Lung		Inflammation	Chronic Active, Minimal
* Pancreas		Atrophy	Mild
		Hyperplasia	Moderate
* Pituitary Gland	Pars Distalis	Hyperplasia	Moderate
* Skin		Basal Cell Adenoma	
[Basal Cell Adenoma TGLS = 3-12]			
* Spleen		Fibrosis	Mild
		Hematopoietic Cell Proliferation	Moderate
[Fibrosis TGLS = 2-11]			
* Stomach, Glandular		Necrosis	Mild
* Testes	Interstit Cell	Adenoma	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05135-07
Test Type: CHRONIC
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

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

Date Report Requested: 10/22/2014
Time Report Requested: 18:27:44
First Dose M/F: NA / NA
Lab: BNW

ANIMAL ID: 446

TRT#: 5
DOSE: 700 PPM

SEX: Male
DISP: Moribund Sacrifice

DAY ON TEST: 684
HISTO: 33441

ORGAN AND ACCOUNTABLE SITE STATUS

Interstit Cell

Hyperplasia

Moderate

PRIMARY CAUSE OF DEATH

- Kidney Nephropathy

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05135-07

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Isoprene

CAS Number: 78-79-5

Date Report Requested: 10/22/2014

Time Report Requested: 18:27:44

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 447

TRT#: 5

SEX: Male

DAY ON TEST: 555

DOSE: 700 PPM

DISP: Moribund Sacrifice

HISTO: 33442

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Bone	* Bone Marrow	* Brain
* Epididymis	* Esophagus	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Larynx	* Lymph Node, Bronchial	* Lymph Node, Mediastinal	* Lymph Node, Mesenteric
* Mammary Gland	* Parathyroid Gland	* Preputial Gland	* Salivary Glands
* Seminal Vesicle	* Skin	* Thymus	* Thyroid Gland
* Trachea	* Urinary Bladder		

OBSERVATIONS

* Adrenal Medulla		Pheochromocytoma Benign	
* Heart		Leukemia Mononuclear	
	Atrium	Thrombosis	Moderate
	[Thrombosis TGLS = 8-14]		
* Intestine Large, Rectum		Inflammation	Acute, Mild
* Kidney		Infarct	Moderate
		Nephropathy	Mild
	[Infarct TGLS = 3-15]		
* Liver	Bile Duct	Hyperplasia	Minimal
	Centrilobular	Leukemia Mononuclear	
	[Leukemia Mononuclear TGLS = 3-15]	Necrosis	Minimal
* Lung		Leukemia Mononuclear	
* Lymph Node, Mandibular		Leukemia Mononuclear	
Mesentery	Fat	Necrosis	Mild
	[Necrosis TGLS = 1,4,7-11+12+13]		
* Nose		Thrombosis	Marked
* Pancreas		Atrophy	Mild
* Pituitary Gland	Pars Distalis	Adenoma	
	[Adenoma TGLS = 2-8]		
* Prostate		Hyperplasia	Mild
* Spleen		Leukemia Mononuclear	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05135-07
Test Type: CHRONIC
Species/Strain: Rat/F 344/N

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

Date Report Requested: 10/22/2014
Time Report Requested: 18:27:44
First Dose M/F: NA / NA
Lab: BNW

ANIMAL ID: 447	TRT#: 5	SEX: Male	DAY ON TEST: 555
	DOSE: 700 PPM	DISP: Moribund Sacrifice	HISTO: 33442

ORGAN AND ACCOUNTABLE SITE STATUS

* Stomach, Forestomach		Leukemia Mononuclear	
* Stomach, Glandular		Leukemia Mononuclear	
		Necrosis	Mild
* Testes	Interstit Cell	Adenoma	
		Atrophy	Moderate
	[Adenoma TGLS = 6-7]		
	[Atrophy TGLS = 5-7]		

PRIMARY CAUSE OF DEATH - Spleen Leukemia Mononuclear

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05135-07

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Isoprene

CAS Number: 78-79-5

Date Report Requested: 10/22/2014

Time Report Requested: 18:27:44

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 448

TRT#: 5

SEX: Male

DAY ON TEST: 594

DOSE: 700 PPM

DISP: Moribund Sacrifice

HISTO: 33443

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Bone	* Brain	* Esophagus	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Larynx	* Mammary Gland
* Nose	* Parathyroid Gland	* Preputial Gland	* Prostate
* Salivary Glands	* Seminal Vesicle	* Skin	* Stomach, Forestomach
* Stomach, Glandular	* Trachea	* Urinary Bladder	

OBSERVATIONS

* Adrenal Cortex		Leukemia Mononuclear	
* Adrenal Medulla		Hyperplasia	Mild
* Bone Marrow		Leukemia Mononuclear	
* Epididymis		Leukemia Mononuclear	
[Granuloma Sperm TGLS = 4-12]		Granuloma Sperm	Moderate
* Heart		Cardiomyopathy	Mild
* Kidney		Leukemia Mononuclear	
		Nephropathy	Mild
* Liver	Bile Duct	Hyperplasia	Moderate
		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 2-4]	Centrilobular	Necrosis	Minimal
* Lung		Inflammation	Chronic Active, Mild
Lymph Node	Pancreatic	Leukemia Mononuclear	
* Lymph Node, Bronchial		Leukemia Mononuclear	
* Lymph Node, Mandibular		Leukemia Mononuclear	
* Lymph Node, Mediastinal		Leukemia Mononuclear	
* Lymph Node, Mesenteric		Leukemia Mononuclear	
* Pancreas		Atrophy	Mild
* Pituitary Gland	Pars Distalis	Adenoma	
		Leukemia Mononuclear	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05135-07

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Isoprene

CAS Number: 78-79-5

Date Report Requested: 10/22/2014

Time Report Requested: 18:27:44

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 448

TRT#: 5

SEX: Male

DAY ON TEST: 594

DOSE: 700 PPM

DISP: Moribund Sacrifice

HISTO: 33443

ORGAN AND ACCOUNTABLE SITE STATUS

* Spleen		Fibrosis	Mild
		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 1-11]			
* Stom Gland			
Note: "Focus, 2mm dia, pale, multiple", noted at trim, was not apparent microscopically.			
* Testes	Bilateral, Interstit Cell	Adenoma	
[Adenoma TGLS = 3-7]			
* Thymus		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 3-7]			
* Thyroid Gland	C Cell	Hyperplasia	Minimal

PRIMARY CAUSE OF DEATH - Spleen Leukemia Mononuclear

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05135-07

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Isoprene

CAS Number: 78-79-5

Date Report Requested: 10/22/2014

Time Report Requested: 18:27:44

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 449

TRT#: 5

SEX: Male

DAY ON TEST: 733

DOSE: 700 PPM

DISP: Terminal Sacrifice

HISTO: 33444

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Bone	* Brain	* Epididymis	* Esophagus
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Islets, Pancreatic	* Larynx	* Mammary Gland
* Parathyroid Gland	* Preputial Gland	* Skin	* Stomach, Forestomach
* Stomach, Glandular	* Trachea		

OBSERVATIONS

* Adrenal Cortex		Leukemia Mononuclear Vacuolization Cytoplasmic	Mild
[Leukemia Mononuclear TGLS = 12-7]			
* Adrenal Medulla		Hyperplasia Leukemia Mononuclear Pheochromocytoma Benign Leukemia Mononuclear	Moderate
* Bone Marrow			
[Leukemia Mononuclear TGLS = 1-16]			
* Heart		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 1-16]			
* Intestine Small, Jejunum		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 12-7]			
* Kidney		Leukemia Mononuclear Nephropathy	Moderate
[Leukemia Mononuclear TGLS = 1-16]			
[Nephropathy TGLS = 10-5]			
* Liver	Bile Duct	Hyperplasia Leukemia Mononuclear	Moderate
[Leukemia Mononuclear TGLS = 9-4]			
* Lung		Leukemia Mononuclear	
Lymph Node	Deep Cervical Pancreatic Renal	Leukemia Mononuclear Leukemia Mononuclear Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 11-13]			

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05135-07

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Isoprene

CAS Number: 78-79-5

Date Report Requested: 10/22/2014

Time Report Requested: 18:27:44

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 449

TRT#: 5

SEX: Male

DAY ON TEST: 733

DOSE: 700 PPM

DISP: Terminal Sacrifice

HISTO: 33444

ORGAN AND ACCOUNTABLE SITE STATUS

[Leukemia Mononuclear TGLS = 4-12]			
[Leukemia Mononuclear TGLS = 2-15]			
* Lymph Node, Bronchial		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 12-7]			
* Lymph Node, Mandibular		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 12-7]			
* Lymph Node, Mediastinal		Leukemia Mononuclear	
* Lymph Node, Mesenteric		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 8-14]			
* Nose		Leukemia Mononuclear	
		Thrombosis	Moderate
* Pancreas		Atrophy	Mild
		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 2-15]			
* Pituitary Gland	Pars Distalis	Hyperplasia	Moderate
		Leukemia Mononuclear	
* Prostate		Leukemia Mononuclear	
* Salivary Glands		Leukemia Mononuclear	
* Seminal Vesicle		Leukemia Mononuclear	
* Spleen		Fibrosis	Mild
		Leukemia Mononuclear	
[Fibrosis TGLS = 6-11]			
[Leukemia Mononuclear TGLS = 5-11]			
* Testes	Bilateral, Interstit Cell	Adenoma	
[Adenoma TGLS = 3-7]			
* Thymus		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 7-2]			
* Thyroid Gland	C Cell	Hyperplasia	Mild
* Urinary Bladder		Leukemia Mononuclear	

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05135-07

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Isoprene

CAS Number: 78-79-5

Date Report Requested: 10/22/2014

Time Report Requested: 18:27:44

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 450

TRT#: 5

SEX: Male

DAY ON TEST: 670

DOSE: 700 PPM

DISP: Moribund Sacrifice

HISTO: 33115

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Bone Marrow	* Brain	* Epididymis
* Esophagus	* Heart	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Larynx	* Lung	* Lymph Node, Mandibular
* Lymph Node, Mesenteric	* Mammary Gland	* Pancreas	* Parathyroid Gland
* Preputial Gland	* Prostate	* Salivary Glands	* Seminal Vesicle
* Skin	* Spleen	* Stomach, Glandular	* Thymus
* Trachea	* Urinary Bladder		

MISSING

* Lymph Node, Bronchial	* Lymph Node, Mediastinal
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OBSERVATIONS

* Adrenal Medulla		Hyperplasia	Moderate
* Bone		Fibrous Osteodystrophy	Mild
* Kidney		Nephropathy	Marked
[Nephropathy TGLS = 5-5]			
* Liver		Degeneration	Cystic, Mild
		Fatty Change	Minimal
* Nose	Olfactory Epi	Atrophy	Mild
		Inflammation	Suppurative, Minimal
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 1-8]			
* Stomach, Forestomach		Necrosis	Moderate
[Necrosis TGLS = 6-8]			
* Testes	Bilateral, Interstit Cell	Adenoma	
[Adenoma TGLS = 2-7]			
* Thyroid Gland	C Cell	Hyperplasia	Mild

PRIMARY CAUSE OF DEATH - Pituitary Gland Pars Distalis Adenoma

CONTRIBUTORY CAUSE OF DEATH - Kidney Nephropathy

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05135-07

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Isoprene

CAS Number: 78-79-5

Date Report Requested: 10/22/2014

Time Report Requested: 18:27:44

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 601

TRT#: 7

SEX: Male

DAY ON TEST: 588

DOSE: 7000 PPM

DISP: Moribund Sacrifice

HISTO: 33296

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Bone	* Brain	* Epididymis	* Esophagus
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Larynx
* Mammary Gland	* Nose	* Pancreas	* Parathyroid Gland
* Preputial Gland	* Prostate	* Salivary Glands	* Trachea

OBSERVATIONS

* Adrenal Cortex		Leukemia Mononuclear	
* Adrenal Medulla		Leukemia Mononuclear	
* Bone Marrow		Leukemia Mononuclear	
* Heart		Cardiomyopathy	Mild
		Leukemia Mononuclear	
* Kidney		Leukemia Mononuclear	
		Nephropathy	Mild
* Liver		Fatty Change	Mild
	Bile Duct	Hyperplasia	Mild
		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLS = 6-4]		
* Lung		Leukemia Mononuclear	
Lymph Node		Leukemia Mononuclear	
Note: Lymph node with no site listed was axillary node.			
	[Leukemia Mononuclear TGLS = 1-16]		
* Lymph Node, Bronchial		Leukemia Mononuclear	
* Lymph Node, Mandibular		Leukemia Mononuclear	
* Lymph Node, Mediastinal		Leukemia Mononuclear	
* Lymph Node, Mesenteric		Leukemia Mononuclear	
* Pituitary Gland	Pars Distalis	Adenoma	
		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLS = 1-16]		
* Seminal Vesicle		Leukemia Mononuclear	
* Skin	Subcut Tiss	Fibroma	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05135-07

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Isoprene

CAS Number: 78-79-5

Date Report Requested: 10/22/2014

Time Report Requested: 18:27:44

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 601

TRT#: 7

SEX: Male

DAY ON TEST: 588

DOSE: 7000 PPM

DISP: Moribund Sacrifice

HISTO: 33296

ORGAN AND ACCOUNTABLE SITE STATUS

[Fibroma TGLS = 2-13+14+15]

* Spleen

Leukemia Mononuclear

[Leukemia Mononuclear TGLS = 5,7-11+12]

* Stomach, Forestomach

Leukemia Mononuclear

* Stomach, Glandular

Leukemia Mononuclear

* Testes

Bilateral, Interstit Cell

Adenoma

Leukemia Mononuclear

[Adenoma TGLS = 3,4-7]

[Leukemia Mononuclear TGLS = 3,4-7]

* Thymus

Leukemia Mononuclear

[Leukemia Mononuclear TGLS = 3,4-7]

* Thyroid Gland

C Cell

Hyperplasia

Minimal

* Urinary Bladder

Leukemia Mononuclear

PRIMARY CAUSE OF DEATH

- Spleen Leukemia Mononuclear

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05135-07

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Isoprene

CAS Number: 78-79-5

Date Report Requested: 10/22/2014

Time Report Requested: 18:27:44

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 602

TRT#: 7

SEX: Male

DAY ON TEST: 721

DOSE: 7000 PPM

DISP: Moribund Sacrifice

HISTO: 33297

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Bone	* Bone Marrow	* Brain	* Epididymis
* Esophagus	* 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	* Salivary Glands	* Seminal Vesicle
* Skin	* Stomach, Forestomach	* Thymus	* Trachea
* Urinary Bladder			

MISSING

* Parathyroid Gland

OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Mild
		Leukemia Mononuclear	
		Vacuolization Cytoplasmic	Mild
* Adrenal Medulla		Leukemia Mononuclear	
		Pheochromocytoma Benign	
* Heart		Cardiomyopathy	Mild
* Kidney	Renal Tubule	Adenoma	
	Renal Tubule	Hyperplasia	Marked
		Nephropathy	Marked
		[Nephropathy TGLS = 7-5]	
* Liver	Bile Duct	Hyperplasia	Mild
		Leukemia Mononuclear	
		Note: "Focus, 1x4mm, pale", noted at necropsy, was not apparent microscopically.	
* Mammary Gland		Carcinoma	
		Fibroadenoma	
		[Carcinoma TGLS = 9-14]	
		[Fibroadenoma TGLS = 10-15]	
Mesentery	Fat	Necrosis	Mild
		[Necrosis TGLS = 4-13]	
* Nose	Respirat Epith	Hyperplasia	Minimal

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05135-07

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Isoprene

CAS Number: 78-79-5

Date Report Requested: 10/22/2014

Time Report Requested: 18:27:44

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 602

TRT#: 7

SEX: Male

DAY ON TEST: 721

DOSE: 7000 PPM

DISP: Moribund Sacrifice

HISTO: 33297

ORGAN AND ACCOUNTABLE SITE STATUS

* Pancreas		Atrophy	Moderate
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 3-8]			
* Preputial Gland		Hyperplasia	Moderate
* Prostate		Hyperplasia	Moderate
* Skin			
Note: "Mass, 7mm dia, pale", noted at necropsy, was normal mammary gland.			
* Spleen		Leukemia Mononuclear	
* Stomach, Glandular		Necrosis	Minimal
* Testes	Bilateral, Interstit Cell	Adenoma	
[Adenoma TGLS = 8-7]			
* Thyroid Gland	C Cell	Hyperplasia	Minimal

PRIMARY CAUSE OF DEATH

- Pituitary Gland Pars Distalis Adenoma

CONTRIBUTORY CAUSE OF DEATH

- Spleen Leukemia Mononuclear

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05135-07

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Isoprene

CAS Number: 78-79-5

Date Report Requested: 10/22/2014

Time Report Requested: 18:27:44

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 603

TRT#: 7

SEX: Male

DAY ON TEST: 478

DOSE: 7000 PPM

DISP: Natural Death

HISTO: 33298

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Bone Marrow	* Brain
* Esophagus	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Islets, Pancreatic	* Larynx
* Lymph Node, Bronchial	* Lymph Node, Mandibular	* Lymph Node, Mediastinal	* Lymph Node, Mesenteric
* Mammary Gland	* Parathyroid Gland	* Preputial Gland	* Salivary Glands
* Seminal Vesicle	* Skin	* Thymus	* Trachea

AUTO PRECLUDES DIAG.

* Intestine Small, Jejunum

OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Mild
* Epididymis		Mesothelioma Malignant	
* Heart	Atrium	Thrombosis	Mild
* Kidney		Nephropathy	Mild
* Liver	Centrilobular	Necrosis	Mild
[Necrosis TGLS = 4-4]			
* Lung	Alveolar Epith	Hyperplasia	Mild
* Nose		Thrombosis	Marked
* Pancreas		Mesothelioma Malignant	
Peritoneum		Mesothelioma Malignant	
[Mesothelioma Malignant TGLS = 3-12]			
* Pituitary Gland	Pars Distalis	Hyperplasia	Mild
* Prostate		Mesothelioma Malignant	
* Spleen		Hematopoietic Cell Proliferation	Moderate
		Mesothelioma Malignant	
* Stomach, Forestomach		Mesothelioma Malignant	
		Necrosis	Moderate
* Stomach, Glandular		Mesothelioma Malignant	
		Necrosis	Mild
* Testes	Bilateral, Interstit Cell	Adenoma	
		Mesothelioma Malignant	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05135-07
Test Type: CHRONIC
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

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

Date Report Requested: 10/22/2014
Time Report Requested: 18:27:44
First Dose M/F: NA / NA
Lab: BNW

ANIMAL ID: 603

TRT#: 7
DOSE: 7000 PPM

SEX: Male
DISP: Natural Death

DAY ON TEST: 478
HISTO: 33298

ORGAN AND ACCOUNTABLE SITE STATUS

[Adenoma TGLS = 2-7]

* Thyroid Gland
* Urinary Bladder

C Cell

Hyperplasia
Mesothelioma Malignant

Mild

PRIMARY CAUSE OF DEATH

- Peritoneum Mesothelioma Malignant

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05135-07

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Isoprene

CAS Number: 78-79-5

Date Report Requested: 10/22/2014

Time Report Requested: 18:27:44

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 604

TRT#: 7

SEX: Male

DAY ON TEST: 733

DOSE: 7000 PPM

DISP: Terminal Sacrifice

HISTO: 33299

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Bone	* Bone Marrow	* Brain	* Epididymis
* Esophagus	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Larynx	* Lung	* Lymph Node, Mediastinal	* Lymph Node, Mesenteric
* Mammary Gland	* Nose	* Parathyroid Gland	* Salivary Glands
* Seminal Vesicle	* Skin	* Spleen	* Stomach, Forestomach
* Stomach, Glandular	* Thymus	* Trachea	* Urinary Bladder

MISSING

* Lymph Node, Bronchial	* Lymph Node, Mandibular
-------------------------	--------------------------

OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Minimal
* Adrenal Medulla		Hyperplasia	Moderate
* Heart		Cardiomyopathy	Moderate
* Kidney		Cyst	Marked
		Nephropathy	Moderate
[Cyst TGLS = 6-5]			
[Nephropathy TGLS = 7-5]			
* Liver		Basophilic Focus	
[Basophilic Focus TGLS = 5-4]			
* Pancreas		Atrophy	Minimal
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 1-8]			
* Preputial Gland		Adenoma	
[Adenoma TGLS = 1-8]			
* Prostate		Hyperplasia	Moderate
* Spleen			
Note: "Deformity, 1x1.7cm, pale", noted at necropsy, was not apparent microscopically.			
* Testes	Bilateral, Interstit Cell	Adenoma	
[Adenoma TGLS = 2,3-7]			
* Thyroid Gland	C Cell	Hyperplasia	Minimal

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05135-07

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Isoprene

CAS Number: 78-79-5

Date Report Requested: 10/22/2014

Time Report Requested: 18:27:44

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 604

TRT#: 7

SEX: Male

DAY ON TEST: 733

DOSE: 7000 PPM

DISP: Terminal Sacrifice

HISTO: 33299

ORGAN AND ACCOUNTABLE SITE STATUS

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05135-07

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Isoprene

CAS Number: 78-79-5

Date Report Requested: 10/22/2014

Time Report Requested: 18:27:44

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 605

TRT#: 7

SEX: Male

DAY ON TEST: 26

DOSE: 7000 PPM

DISP: Natural Death

HISTO: 33300

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- | | | | |
|--------------------------|--------------------------|---------------------------|----------------------|
| * Adrenal Cortex | * Adrenal Medulla | * Bone | * Bone Marrow |
| * Brain | * Epididymis | * Esophagus | * Heart |
| * Intestine Large, Cecum | * Intestine Large, Colon | * Intestine Large, Rectum | * Islets, Pancreatic |
| * Kidney | * Larynx | * Liver | * Lung |
| * Lymph Node, Bronchial | * Lymph Node, Mandibular | * Lymph Node, Mesenteric | * Nose |
| * Pancreas | * Parathyroid Gland | * Pituitary Gland | * Preputial Gland |
| * Prostate | * Salivary Glands | * Seminal Vesicle | * Skin |
| * Spleen | * Stomach, Forestomach | * Stomach, Glandular | * Testes |
| * Thyroid Gland | * Trachea | * Urinary Bladder | |

MISSING

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

AUTO PRECLUDES DIAG.

- | | | |
|-----------------------------|--------------------------|----------------------------|
| * Intestine Small, Duodenum | * Intestine Small, Ileum | * Intestine Small, Jejunum |
|-----------------------------|--------------------------|----------------------------|

OBSERVATIONS

- * Lung
 Note: "Mottled, red/pale" appearance noted at necropsy was due to post mortem pooling of blood in pulmonary vasculature.
- | | | |
|----------|---------|----------|
| * Thymus | Atrophy | Moderate |
|----------|---------|----------|

PRIMARY CAUSE OF DEATH

- UNCERTAIN

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05135-07

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Isoprene

CAS Number: 78-79-5

Date Report Requested: 10/22/2014

Time Report Requested: 18:27:44

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 606

TRT#: 7

SEX: Male

DAY ON TEST: 733

DOSE: 7000 PPM

DISP: Terminal Sacrifice

HISTO: 33301

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Bone	* Bone Marrow	* Brain	* Epididymis
* Esophagus	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Larynx	* Lymph Node, Bronchial	* Lymph Node, Mandibular	* Lymph Node, Mediastinal
* Lymph Node, Mesenteric	* Mammary Gland	* Nose	* Pancreas
* Parathyroid Gland	* Preputial Gland	* Salivary Glands	* Seminal Vesicle
* Skin	* Stomach, Forestomach	* Stomach, Glandular	* Trachea
* Urinary Bladder			

OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Mild
* Adrenal Medulla		Hyperplasia	Moderate
* Heart		Cardiomyopathy	Moderate
* Kidney		Nephropathy	Marked
* Liver		Basophilic Focus	
		Clear Cell Focus	
		Degeneration	Cystic, Mild
	Bile Duct	Hyperplasia	Mild
		Leukemia Mononuclear	
* Lung	Alveolar Epith	Hyperplasia	Minimal
		Leukemia Mononuclear	
Lymph Node	Inguinal	Leukemia Mononuclear	
Mesentery		Leukemia Mononuclear	
	Fat	Necrosis	Mild
	[Leukemia Mononuclear TGLS = 5-15]		
	[Necrosis TGLS = 5-15]		
* Pituitary Gland	Pars Distalis	Adenoma	
* Prostate		Hyperplasia	Mild
		Inflammation	Chronic Active, Moderate
* Spleen		Fibrosis	Moderate
		Leukemia Mononuclear	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05135-07

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Isoprene

CAS Number: 78-79-5

Date Report Requested: 10/22/2014

Time Report Requested: 18:27:44

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 607

TRT#: 7

SEX: Male

DAY ON TEST: 734

DOSE: 7000 PPM

DISP: Terminal Sacrifice

HISTO: 33302

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Bone	* Bone Marrow	* Brain	* Epididymis
* Esophagus	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Larynx	* Lymph Node, Bronchial	* Lymph Node, Mandibular	* Lymph Node, Mesenteric
* Pancreas	* Preputial Gland	* Salivary Glands	* Seminal Vesicle
* Skin	* Stomach, Glandular	* Thymus	* Trachea
* Urinary Bladder			

MISSING

* Lymph Node, Mediastinal

OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Minimal
* Adrenal Medulla		Hyperplasia	Mild
		Pheochromocytoma Benign	
* Heart		Cardiomyopathy	Mild
* Kidney		Nephropathy	Marked
	[Nephropathy TGLS = 7-5]		
* Liver		Basophilic Focus	
		Degeneration	Cystic, Mild
		Eosinophilic Focus	
	Note: "Granular" appearance noted at necropsy was due to normal lobular pattern of liver.		
	[Basophilic Focus TGLS = 9-4]		
* Lung		Inflammation	Chronic Active, Minimal
* Mammary Gland		Fibroadenoma	Multiple
	[Fibroadenoma TGLS = 2,3-15+14]		
* Nose		Inflammation	Suppurative, Mild
* Parathyroid Gland		Hyperplasia	Moderate
* Pituitary Gland	Pars Distalis	Adenoma	
	[Adenoma TGLS = 8-8]		
* Prostate		Hyperplasia	Mild
		Inflammation	Chronic Active, Mild

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05135-07

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Isoprene

CAS Number: 78-79-5

Date Report Requested: 10/22/2014

Time Report Requested: 18:27:44

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 607

TRT#: 7

SEX: Male

DAY ON TEST: 734

DOSE: 7000 PPM

DISP: Terminal Sacrifice

HISTO: 33302

ORGAN AND ACCOUNTABLE SITE STATUS

* Spleen [Fibrosis TGLS = 5-12]		Fibrosis	Mild
* Stom Gland Note: "Focus, 2x3mm, pale", noted at trim, was ectopic pancreas in submucosa.			
* Stomach, Forestomach		Necrosis	Mild
* Testes [Adenoma TGLS = 4-7+11]	Bilateral, Interstit Cell	Adenoma	
* Thyroid Gland	C Cell	Hyperplasia	Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05135-07

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Isoprene

CAS Number: 78-79-5

Date Report Requested: 10/22/2014

Time Report Requested: 18:27:44

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 608

TRT#: 7

SEX: Male

DAY ON TEST: 622

DOSE: 7000 PPM

DISP: Moribund Sacrifice

HISTO: 33303

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Bone	* Bone Marrow	* Brain	* Epididymis
* Esophagus	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Larynx	* Lymph Node, Bronchial	* Lymph Node, Mandibular	* Lymph Node, Mediastinal
* Lymph Node, Mesenteric	* Mammary Gland	* Nose	* Pancreas
* Parathyroid Gland	* Preputial Gland	* Prostate	* Salivary Glands
* Seminal Vesicle	* Stomach, Forestomach	* Stomach, Glandular	* Thymus
* Trachea	* Urinary Bladder		

OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Mild
* Adrenal Medulla		Hyperplasia	Mild
* Heart		Cardiomyopathy	Moderate
* Kidney		Leukemia Mononuclear	
	[Nephropathy TGLS = 6-5]	Nephropathy	Moderate
* Liver		Degeneration	Cystic, Moderate
		Fatty Change	Moderate
		Hepatodiaphragmatic Nodule	
	[Hepatodiaphragmatic Nodule TGLS = 5-11]	Leukemia Mononuclear	
* Lung		Leukemia Mononuclear	
* Pituitary Gland	Pars Distalis	Adenoma	
	[Adenoma TGLS = 2-8]		
* Skin		Basal Cell Adenoma	
	[Basal Cell Adenoma TGLS = 1-12]		
* Spleen		Fibrosis	Moderate
	[Fibrosis TGLS = 4-4]	Leukemia Mononuclear	
	[Leukemia Mononuclear TGLS = 4-4]		
* Testes	Bilateral, Interstit Cell	Adenoma	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05135-07

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Isoprene

CAS Number: 78-79-5

Date Report Requested: 10/22/2014

Time Report Requested: 18:27:44

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 608

TRT#: 7

SEX: Male

DAY ON TEST: 622

DOSE: 7000 PPM

DISP: Moribund Sacrifice

HISTO: 33303

ORGAN AND ACCOUNTABLE SITE STATUS

[Adenoma TGLS = 3-7]

* Thyroid Gland

C Cell

Hyperplasia

Minimal

PRIMARY CAUSE OF DEATH

- Pituitary Gland Pars Distalis Adenoma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05135-07

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Isoprene

CAS Number: 78-79-5

Date Report Requested: 10/22/2014

Time Report Requested: 18:27:44

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 609

TRT#: 7

SEX: Male

DAY ON TEST: 664

DOSE: 7000 PPM

DISP: Moribund Sacrifice

HISTO: 33304

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Bone	* Brain	* Epididymis	* Esophagus
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Larynx
* Lymph Node, Bronchial	* Lymph Node, Mesenteric	* Nose	* Parathyroid Gland
* Preputial Gland	* Prostate	* Salivary Glands	* Seminal Vesicle
* Skin	* Stomach, Forestomach	* Stomach, Glandular	* Thyroid Gland
* Trachea	* Urinary Bladder		

OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Mild
* Adrenal Medulla		Pheochromocytoma Benign	
* Bone Marrow		Leukemia Mononuclear	
* Heart		Cardiomyopathy	Mild
		Leukemia Mononuclear	
* Kidney		Leukemia Mononuclear	
		Nephropathy	Moderate
	[Nephropathy TGLS = 10-5]		
* Liver		Angiectasis	Mild
		Degeneration	Cystic, Marked
		Fatty Change	Mild
	Bile Duct	Hyperplasia	Mild
		Leukemia Mononuclear	
		Regeneration	Marked
	[Degeneration TGLS = 9-11]		
	[Leukemia Mononuclear TGLS = 7-4]		
	[Regeneration TGLS = 8-4]		
* Lung	Alveolar Epith	Hyperplasia	Minimal
		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLS = 8-4]		
* Lymph Node, Mandibular		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLS = 4-7+12]		

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05135-07

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Isoprene

CAS Number: 78-79-5

Date Report Requested: 10/22/2014

Time Report Requested: 18:27:44

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 609

TRT#: 7

SEX: Male

DAY ON TEST: 664

DOSE: 7000 PPM

DISP: Moribund Sacrifice

HISTO: 33304

ORGAN AND ACCOUNTABLE SITE STATUS

* Lymph Node, Mediastinal		Leukemia Mononuclear	
* Mammary Gland		Fibroadenoma	Multiple
[Fibroadenoma TGLS = 1,2-13+14]			
* Pancreas		Atrophy	Mild
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 3-8]			
* Spleen		Fibrosis	Mild
[Fibrosis TGLS = 6-4]		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 5-4]			
* Testes	Bilateral, Interstit Cell	Adenoma	
[Adenoma TGLS = 4-7+12]			
* Thymus		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 4-7+12]			

PRIMARY CAUSE OF DEATH - Pituitary Gland Pars Distalis Adenoma

CONTRIBUTORY CAUSE OF DEATH - Spleen Leukemia Mononuclear

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05135-07

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Isoprene

CAS Number: 78-79-5

Date Report Requested: 10/22/2014

Time Report Requested: 18:27:44

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 610

TRT#: 7

SEX: Male

DAY ON TEST: 734

DOSE: 7000 PPM

DISP: Terminal Sacrifice

HISTO: 33305

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Bone	* Bone Marrow	* Brain	* Epididymis
* Esophagus	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Larynx	* Lymph Node, Mandibular	* Lymph Node, Mediastinal	* Lymph Node, Mesenteric
* Mammary Gland	* Nose	* Parathyroid Gland	* Preputial Gland
* Salivary Glands	* Seminal Vesicle	* Spleen	* Stomach, Forestomach
* Stomach, Glandular	* Thymus	* Trachea	* Urinary Bladder

MISSING

* Lymph Node, Bronchial

OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Mild
* Adrenal Medulla		Pheochromocytoma Benign	
* Heart		Cardiomyopathy	Mild
* Kidney	Renal Tubule	Hyperplasia	Minimal
		Nephropathy	Moderate
	[Nephropathy TGLS = 2-5]		
* Liver		Angiectasis	Mild
		Basophilic Focus	
	Bile Duct	Hyperplasia	Minimal
	[Basophilic Focus TGLS = 2-5]		
* Lung		Inflammation	Chronic Active, Minimal
* Pancreas		Hyperplasia	Mild
* Pituitary Gland	Pars Distalis	Adenoma	
	[Adenoma TGLS = 1-8]		
* Prostate		Hyperplasia	Marked
* Skin		Keratoacanthoma	
	[Keratoacanthoma TGLS = 5-12]		
* Testes	Bilateral, Interstit Cell	Adenoma	
	[Adenoma TGLS = 3,4-11+7]		
* Thyroid Gland	C Cell	Hyperplasia	Mild

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05135-07

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Isoprene

CAS Number: 78-79-5

Date Report Requested: 10/22/2014

Time Report Requested: 18:27:44

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 610

TRT#: 7

SEX: Male

DAY ON TEST: 734

DOSE: 7000 PPM

DISP: Terminal Sacrifice

HISTO: 33305

ORGAN AND ACCOUNTABLE SITE STATUS

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05135-07

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Isoprene

CAS Number: 78-79-5

Date Report Requested: 10/22/2014

Time Report Requested: 18:27:44

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 611

TRT#: 7

SEX: Male

DAY ON TEST: 685

DOSE: 7000 PPM

DISP: Moribund Sacrifice

HISTO: 33306

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Bone	* Bone Marrow	* Brain	* Epididymis
* Esophagus	* Heart	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Larynx	* Lymph Node, Mediastinal	* Lymph Node, Mesenteric
* Parathyroid Gland	* Preputial Gland	* Prostate	* Salivary Glands
* Seminal Vesicle	* Skin	* Spleen	* Stomach, Forestomach
* Stomach, Glandular	* Thymus	* Trachea	* Urinary Bladder

MISSING

* Lymph Node, Bronchial	* Lymph Node, Mandibular
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OBSERVATIONS

* Adrenal Cortex		Vacuolization Cytoplasmic	Mild
* Adrenal Medulla		Hyperplasia	Mild
* Kidney		Nephropathy	Moderate
[Nephropathy TGLS = 4-5]			
* Liver		Basophilic Focus	
		Degeneration	Cystic, Mild
		Fatty Change	Mild
* Lung		Inflammation	Chronic Active, Minimal
* Mammary Gland		Fibroadenoma	
[Fibroadenoma TGLS = 2-11]			
* Nose	Olfactory Epi	Atrophy	Mild
* Pancreas		Basophilic Focus	
[Basophilic Focus TGLS = 2-11]			
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 1-8]			
* Testes	Bilateral, Interstit Cell	Adenoma	
[Adenoma TGLS = 3-7]			
* Thyroid Gland	C Cell	Hyperplasia	Minimal

PRIMARY CAUSE OF DEATH - Pituitary Gland Pars Distalis Adenoma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05135-07

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Isoprene

CAS Number: 78-79-5

Date Report Requested: 10/22/2014

Time Report Requested: 18:27:44

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 612

TRT#: 7

SEX: Male

DAY ON TEST: 588

DOSE: 7000 PPM

DISP: Moribund Sacrifice

HISTO: 33307

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Brain	* Epididymis	* Esophagus	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Larynx	* Mammary Gland
* Nose	* Parathyroid Gland	* Preputial Gland	* Prostate
* Salivary Glands	* Seminal Vesicle	* Stomach, Glandular	* Trachea
* Urinary Bladder			

OBSERVATIONS

* Adrenal Cortex		Leukemia Mononuclear	
* Adrenal Medulla		Hyperplasia	Mild
		Leukemia Mononuclear	
* Bone		Hyperostosis	Minimal
* Bone Marrow		Leukemia Mononuclear	
* Heart		Leukemia Mononuclear	
* Kidney		Leukemia Mononuclear	
		Nephropathy	Mild
* Liver	Bile Duct	Hyperplasia	Moderate
	Centrilobular	Leukemia Mononuclear	
		Necrosis	Moderate
	[Leukemia Mononuclear TGLS = 6-4]		
* Lung		Leukemia Mononuclear	
* Lymph Node, Bronchial		Leukemia Mononuclear	
* Lymph Node, Mandibular		Leukemia Mononuclear	
* Lymph Node, Mediastinal		Leukemia Mononuclear	
* Lymph Node, Mesenteric		Leukemia Mononuclear	
* Pancreas		Atrophy	Minimal
* Pituitary Gland	Pars Distalis	Hyperplasia	Marked
		Leukemia Mononuclear	
* Skin		Cyst Epithelial Inclusion	
	[Cyst Epithelial Inclusion TGLS = 5-12]		
* Spleen		Fibrosis	Moderate

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05135-07
Test Type: CHRONIC
Species/Strain: Rat/F 344/N

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

Date Report Requested: 10/22/2014
Time Report Requested: 18:27:44
First Dose M/F: NA / NA
Lab: BNW

ANIMAL ID: 612	TRT#: 7	SEX: Male	DAY ON TEST: 588
	DOSE: 7000 PPM	DISP: Moribund Sacrifice	HISTO: 33307

ORGAN AND ACCOUNTABLE SITE STATUS

[Fibrosis TGLS = 4-11]		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 3-11]			
* Stomach, Forestomach		Necrosis	Minimal
* Testes	Bilateral, Interstit Cell	Adenoma	
[Adenoma TGLS = 1,2-7]			
* Thymus		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 1,2-7]			
* Thyroid Gland	C Cell	Hyperplasia	Mild

PRIMARY CAUSE OF DEATH	- Spleen	Leukemia Mononuclear	
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* PROTOCOL REQUIRED TISSUE

Experiment Number: 05135-07

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Isoprene

CAS Number: 78-79-5

Date Report Requested: 10/22/2014

Time Report Requested: 18:27:44

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 613

TRT#: 7

SEX: Male

DAY ON TEST: 733

DOSE: 7000 PPM

DISP: Terminal Sacrifice

HISTO: 33308

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Lymph Node, Bronchial	* Mammary Gland	* Thymus
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OBSERVATIONS

* Adrenal Cortex [Leukemia Mononuclear TGLS = 1,2-7]		Leukemia Mononuclear	
* Adrenal Medulla [Leukemia Mononuclear TGLS = 1,2-7]		Hyperplasia Leukemia Mononuclear	Mild
* Bone		Hyperostosis	Minimal
* Bone Marrow		Leukemia Mononuclear	
* Kidney [Nephropathy TGLS = 6-5]		Leukemia Mononuclear Nephropathy	Moderate
* Liver [Leukemia Mononuclear TGLS = 5-4]	Bile Duct	Hyperplasia Leukemia Mononuclear	Mild
* Lung		Inflammation Leukemia Mononuclear	Chronic Active, Minimal
* Prostate		Hyperplasia	Mild
* Spleen [Fibrosis TGLS = 4-11] [Leukemia Mononuclear TGLS = 3-11]		Fibrosis Leukemia Mononuclear	Mild

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05135-07

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Isoprene

CAS Number: 78-79-5

Date Report Requested: 10/22/2014

Time Report Requested: 18:27:44

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 613

TRT#: 7

SEX: Male

DAY ON TEST: 733

DOSE: 7000 PPM

DISP: Terminal Sacrifice

HISTO: 33308

ORGAN AND ACCOUNTABLE SITE STATUS

* Testes

Bilateral, Interstit Cell

Adenoma

[Adenoma TGLS = 1,2-7]

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05135-07

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Isoprene

CAS Number: 78-79-5

Date Report Requested: 10/22/2014

Time Report Requested: 18:27:44

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 614

TRT#: 7

SEX: Male

DAY ON TEST: 734

DOSE: 7000 PPM

DISP: Terminal Sacrifice

HISTO: 33309

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- | | | | |
|----------------------------|---------------------------|-----------------------------|--------------------------|
| * Bone | * Brain | * Esophagus | * Intestine Large, Cecum |
| * Intestine Large, Colon | * Intestine Large, Rectum | * Intestine Small, Duodenum | * Intestine Small, Ileum |
| * Intestine Small, Jejunum | * Islets, Pancreatic | * Larynx | * Preputial Gland |
| * Salivary Glands | * Skin | * Stomach, Forestomach | * Stomach, Glandular |
| * Trachea | | | |

MISSING

- * Parathyroid Gland

OBSERVATIONS

- | | | | |
|--|------------|-------------------------|------|
| * Adrenal Cortex | | Leukemia Mononuclear | |
| [Leukemia Mononuclear TGLS = 11-16] | | | |
| * Adrenal Medulla | | Leukemia Mononuclear | |
| | | Pheochromocytoma Benign | |
| [Leukemia Mononuclear TGLS = 11-16] | | | |
| [Pheochromocytoma Benign TGLS = 11-16] | | | |
| * Bone Marrow | | Leukemia Mononuclear | |
| * Epididymis | | Leukemia Mononuclear | |
| * Heart | | Cardiomyopathy | Mild |
| * Kidney | | Leukemia Mononuclear | |
| | | Nephropathy | Mild |
| [Leukemia Mononuclear TGLS = 8,9-17+5] | | | |
| * Liver | Bile Duct | Hyperplasia | Mild |
| | | Leukemia Mononuclear | |
| [Leukemia Mononuclear TGLS = 7-4+13] | | | |
| * Lung | | Leukemia Mononuclear | |
| Lymph Node | Pancreatic | Leukemia Mononuclear | |
| | Renal | Leukemia Mononuclear | |
| [Leukemia Mononuclear TGLS = 10-11] | | | |
| [Leukemia Mononuclear TGLS = 5-15] | | | |
| * Lymph Node, Bronchial | | Leukemia Mononuclear | |
| [Leukemia Mononuclear TGLS = 11-16] | | | |

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05135-07

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Isoprene

CAS Number: 78-79-5

Date Report Requested: 10/22/2014

Time Report Requested: 18:27:44

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 614	TRT#: 7 DOSE: 7000 PPM	SEX: Male DISP: Terminal Sacrifice	DAY ON TEST: 734 HISTO: 33309
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ORGAN AND ACCOUNTABLE SITE STATUS

* Lymph Node, Mandibular [Leukemia Mononuclear TGLS = 11-16]		Leukemia Mononuclear	
* Lymph Node, Mediastinal [Leukemia Mononuclear TGLS = 11-16]		Leukemia Mononuclear	
* Lymph Node, Mesenteric [Leukemia Mononuclear TGLS = 11-16]		Leukemia Mononuclear	
* Mammary Gland [Fibroadenoma TGLS = 6-12]		Fibroadenoma	
* Nose		Foreign Body Inflammation	Suppurative, Mild
	Olfactory Epi	Metaplasia	Mild
* Pancreas [Basophilic Focus TGLS = 6-12]		Basophilic Focus	
* Pituitary Gland [Leukemia Mononuclear TGLS = 6-12]	Pars Distalis	Adenoma Leukemia Mononuclear	
* Prostate		Hyperplasia	Mild
* Seminal Vesicle		Leukemia Mononuclear	
* Spleen [Fibrosis TGLS = 4-15] [Leukemia Mononuclear TGLS = 3-14]		Fibrosis Leukemia Mononuclear	Mild
* Testes [Adenoma TGLS = 1,2-18+7] [Leukemia Mononuclear TGLS = 3-14]	Bilateral, Interstit Cell	Adenoma Leukemia Mononuclear	
* Thymus [Leukemia Mononuclear TGLS = 1,2-18+7]		Leukemia Mononuclear	
* Thyroid Gland	C Cell	Carcinoma	
* Urinary Bladder		Leukemia Mononuclear	
PRIMARY CAUSE OF DEATH	-		

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05135-07

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Isoprene

CAS Number: 78-79-5

Date Report Requested: 10/22/2014

Time Report Requested: 18:27:44

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 615

TRT#: 7

SEX: Male

DAY ON TEST: 727

DOSE: 7000 PPM

DISP: Moribund Sacrifice

HISTO: 33310

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Bone	* Brain	* Esophagus	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Larynx	* Lymph Node, Mediastinal
* Lymph Node, Mesenteric	* Mammary Gland	* Parathyroid Gland	* Preputial Gland
* Prostate	* Salivary Glands	* Seminal Vesicle	* Skin
* Stomach, Glandular	* Thymus	* Trachea	* Urinary Bladder

MISSING

* Lymph Node, Bronchial	* Lymph Node, Mandibular
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OBSERVATIONS

* Adrenal Cortex		Thrombosis	Mild
* Adrenal Medulla		Hyperplasia	Minimal
* Bone Marrow		Necrosis	Mild
* Epididymis		Mesothelioma Malignant	
* Heart	Atrium	Thrombosis	Marked
[Thrombosis TGLS = 1-4]			
* Kidney		Nephropathy	Moderate
* Liver		Degeneration	Cystic, Mild
		Hematopoietic Cell Proliferation	Moderate
	Centrilobular	Necrosis	Mild
[Necrosis TGLS = 6-4]			
* Lung	Mediastinum	Alveolar/Bronchiolar Carcinoma	Metastatic (Lung)
		Alveolar/Bronchiolar Carcinoma	
		Inflammation	Chronic Active, Minimal
[Alveolar/Bronchiolar Carcinoma TGLS = 7-3]			
Mesentery		Mesothelioma Malignant	
[Mesothelioma Malignant TGLS = 4-12]			
* Nose		Thrombosis	Moderate
* Pancreas		Mesothelioma Malignant	
[Mesothelioma Malignant TGLS = 4-12]			
Peritoneum		Mesothelioma Malignant	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05135-07
Test Type: CHRONIC
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

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

Date Report Requested: 10/22/2014
Time Report Requested: 18:27:44
First Dose M/F: NA / NA
Lab: BNW

ANIMAL ID: 615	TRT#: 7 DOSE: 7000 PPM	SEX: Male DISP: Moribund Sacrifice	DAY ON TEST: 727 HISTO: 33310
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ORGAN AND ACCOUNTABLE SITE STATUS

* Pituitary Gland	Pars Distalis	Hyperplasia	Moderate
* Spleen		Fibrosis	Moderate
		Hematopoietic Cell Proliferation	Moderate
		Mesothelioma Malignant	
[Fibrosis TGLS = 5-11]			
[Mesothelioma Malignant TGLS = 5-11]			
* Stomach, Forestomach		Mesothelioma Malignant	
* Testes	Bilateral, Interstit Cell	Adenoma	
		Mesothelioma Malignant	
[Adenoma TGLS = 3-7]			
* Thyroid Gland	C Cell	Hyperplasia	Minimal

PRIMARY CAUSE OF DEATH - Peritoneum Mesothelioma Malignant

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05135-07

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Isoprene

CAS Number: 78-79-5

Date Report Requested: 10/22/2014

Time Report Requested: 18:27:44

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 616

TRT#: 7

SEX: Male

DAY ON TEST: 723

DOSE: 7000 PPM

DISP: Moribund Sacrifice

HISTO: 33311

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Bone	* Bone Marrow	* Epididymis	* Esophagus
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Larynx
* Lymph Node, Bronchial	* Lymph Node, Mandibular	* Lymph Node, Mediastinal	* Lymph Node, Mesenteric
* Nose	* Parathyroid Gland	* Preputial Gland	* Prostate
* Salivary Glands	* Seminal Vesicle	* Stomach, Forestomach	* Stomach, Glandular
* Thymus	* Trachea	* Urinary Bladder	

MISSING

* Mammary Gland

OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Mild
		Leukemia Mononuclear	
* Adrenal Medulla		Leukemia Mononuclear	
* Brain		Astrocytoma Malignant	
* Heart		Cardiomyopathy	Moderate
* Kidney	Renal Tubule	Adenoma	
		Leukemia Mononuclear	
		Nephropathy	Moderate
		[Adenoma TGLS = 8-5]	
* Liver		Fatty Change	Mild
	Bile Duct	Hyperplasia	Mild
		Leukemia Mononuclear	
		[Leukemia Mononuclear TGLS = 7-4]	
* Lung	Alveolar Epith	Hyperplasia	Mild
		Inflammation	Chronic Active, Minimal
* Pancreas		Atrophy	Mild
* Pituitary Gland	Pars Distalis	Adenoma	
		Leukemia Mononuclear	
		[Adenoma TGLS = 3-8]	
		[Leukemia Mononuclear TGLS = 3-8]	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05135-07
Test Type: CHRONIC
Species/Strain: Rat/F 344/N

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

Date Report Requested: 10/22/2014
Time Report Requested: 18:27:44
First Dose M/F: NA / NA
Lab: BNW

ANIMAL ID: 616

TRT#: 7
DOSE: 7000 PPM

SEX: Male
DISP: Moribund Sacrifice

DAY ON TEST: 723
HISTO: 33311

ORGAN AND ACCOUNTABLE SITE STATUS

* Skin [Cyst Epithelial Inclusion TGLS = 1-13]		Cyst Epithelial Inclusion	
* Spleen [Leukemia Mononuclear TGLS = 5-11]		Leukemia Mononuclear	
* Testes [Adenoma TGLS = 4-7]	Bilateral, Interstit Cell	Adenoma	
* Thyroid Gland	C Cell	Hyperplasia	Minimal
PRIMARY CAUSE OF DEATH	- Spleen Leukemia Mononuclear		

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05135-07

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Isoprene

CAS Number: 78-79-5

Date Report Requested: 10/22/2014

Time Report Requested: 18:27:44

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 617

TRT#: 7

SEX: Male

DAY ON TEST: 618

DOSE: 7000 PPM

DISP: Natural Death

HISTO: 33312

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Bone	* Brain	* Epididymis	* Esophagus
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Islets, Pancreatic	* Larynx	* Mammary Gland
* Parathyroid Gland	* Preputial Gland	* Prostate	* Salivary Glands
* Seminal Vesicle	* Skin	* Stomach, Forestomach	* Stomach, Glandular
* Thyroid Gland	* Trachea	* Urinary Bladder	

MISSING

* Lymph Node, Mandibular

AUTO PRECLUDES DIAG.

* Intestine Small, Jejunum

OBSERVATIONS

* Adrenal Cortex		Leukemia Mononuclear	
* Adrenal Medulla		Leukemia Mononuclear	
* Bone Marrow		Leukemia Mononuclear	
Eye	Retina	Atrophy	Marked
		Cataract	Moderate
		[Cataract TGLS = 1-13]	
* Heart		Cardiomyopathy	Minimal
* Kidney		Leukemia Mononuclear	
		Nephropathy	Moderate
* Liver		Hepatodiaphragmatic Nodule	
	Centrilobular	Leukemia Mononuclear	
		Necrosis	Minimal
		[Hepatodiaphragmatic Nodule TGLS = 5-12]	
		[Leukemia Mononuclear TGLS = 6-4]	
* Lung		Leukemia Mononuclear	
		[Leukemia Mononuclear TGLS = 6-4]	
Lymph Node	Pancreatic	Leukemia Mononuclear	
* Lymph Node, Bronchial		Leukemia Mononuclear	
* Lymph Node, Mediastinal		Leukemia Mononuclear	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05135-07
Test Type: CHRONIC
Species/Strain: Rat/F 344/N

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

Date Report Requested: 10/22/2014
Time Report Requested: 18:27:44
First Dose M/F: NA / NA
Lab: BNW

ANIMAL ID: 617	TRT#: 7	SEX: Male	DAY ON TEST: 618
	DOSE: 7000 PPM	DISP: Natural Death	HISTO: 33312

ORGAN AND ACCOUNTABLE SITE STATUS

* Lymph Node, Mesenteric		Leukemia Mononuclear	
* Nose		Leukemia Mononuclear	
		Thrombosis	Minimal
* Pancreas		Atrophy	Mild
* Pituitary Gland	Pars Distalis	Adenoma	
		Leukemia Mononuclear	
* Spleen		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLS = 4-11]		
* Testes	Bilateral, Interstit Cell	Adenoma	
	[Adenoma TGLS = 3-7]		
* Thymus		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLS = 3-7]		

PRIMARY CAUSE OF DEATH - Spleen Leukemia Mononuclear

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05135-07

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Isoprene

CAS Number: 78-79-5

Date Report Requested: 10/22/2014

Time Report Requested: 18:27:44

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 618

TRT#: 7

SEX: Male

DAY ON TEST: 681

DOSE: 7000 PPM

DISP: Moribund Sacrifice

HISTO: 33313

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Bone Marrow	* Brain	* Esophagus
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Larynx	* Lymph Node, Mandibular
* Lymph Node, Mesenteric	* Nose	* Pancreas	* Parathyroid Gland
* Preputial Gland	* Salivary Glands	* Seminal Vesicle	* Skin
* Spleen	* Stomach, Forestomach	* Thymus	* Thyroid Gland
* Trachea	* Urinary Bladder		

MISSING

* Lymph Node, Bronchial	* Lymph Node, Mediastinal	Peritoneum
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OBSERVATIONS

* Adrenal Medulla	Bilateral	Pheochromocytoma Benign	
* Bone		Fibrous Osteodystrophy	Minimal
* Epididymis		Mesothelioma Malignant	
* Heart		Cardiomyopathy	Mild
* Intestine Small, Duodenum		Necrosis	Minimal
* Kidney	Renal Tubule	Adenoma	
		Nephropathy	Marked
	[Nephropathy TGLS = 6-5]		
* Liver		Fatty Change	Moderate
	Bile Duct	Hyperplasia	Mild
	[Fatty Change TGLS = 5-4]		
* Lung		Alveolar/Bronchiolar Carcinoma	
* Mammary Gland		Fibroadenoma	Multiple
	[Fibroadenoma TGLS = 1,8-14+13]		
Mesentery	Fat	Necrosis	Mild
	[Necrosis TGLS = 2-15]		
* Pituitary Gland	Pars Distalis	Hyperplasia	Mild
* Prostate		Hyperplasia	Mild
* Stomach, Glandular		Necrosis	Minimal
	[Necrosis TGLS = 7-8]		

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05135-07

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Isoprene

CAS Number: 78-79-5

Date Report Requested: 10/22/2014

Time Report Requested: 18:27:44

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 618

TRT#: 7

SEX: Male

DAY ON TEST: 681

DOSE: 7000 PPM

DISP: Moribund Sacrifice

HISTO: 33313

ORGAN AND ACCOUNTABLE SITE STATUS

* Testes

Bilateral, Interstit Cell

Adenoma

Mesothelioma Malignant

[Adenoma TGLS = 3-7]

[Mesothelioma Malignant TGLS = 3-7]

PRIMARY CAUSE OF DEATH

- Kidney Nephropathy

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05135-07

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Isoprene

CAS Number: 78-79-5

Date Report Requested: 10/22/2014

Time Report Requested: 18:27:44

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 619

TRT#: 7

SEX: Male

DAY ON TEST: 709

DOSE: 7000 PPM

DISP: Moribund Sacrifice

HISTO: 33314

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Bone	* Brain	* Epididymis	* Esophagus
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Larynx
* Lymph Node, Mandibular	* Lymph Node, Mediastinal	* Lymph Node, Mesenteric	* Pancreas
* Preputial Gland	* Prostate	* Salivary Glands	* Seminal Vesicle
* Skin	* Stomach, Forestomach	* Stomach, Glandular	* Thymus
* Trachea	* Urinary Bladder		

MISSING

* Lymph Node, Bronchial

OBSERVATIONS

* Adrenal Cortex		Leukemia Mononuclear	
* Adrenal Medulla		Leukemia Mononuclear	
		Pheochromocytoma Benign	
* Bone Marrow		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 7-8]			
* Heart		Cardiomyopathy	Mild
	Atrium	Thrombosis	Moderate
* Kidney		Leukemia Mononuclear	
		Nephropathy	Marked
[Nephropathy TGLS = 7-5]			
* Liver	Bile Duct	Hyperplasia	Mild
		Infarct	Marked
		Leukemia Mononuclear	
		Regeneration	Mild
[Infarct TGLS = 6-11]			
[Leukemia Mononuclear TGLS = 5-4]			
* Lung		Leukemia Mononuclear	
* Mammary Gland		Fibroadenoma	
[Fibroadenoma TGLS = 1-12+13]			
* Nose		Inflammation	Suppurative, Minimal

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05135-07
Test Type: CHRONIC
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

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

Date Report Requested: 10/22/2014
Time Report Requested: 18:27:44
First Dose M/F: NA / NA
Lab: BNW

ANIMAL ID: 619	TRT#: 7	SEX: Male	DAY ON TEST: 709
	DOSE: 7000 PPM	DISP: Moribund Sacrifice	HISTO: 33314

ORGAN AND ACCOUNTABLE SITE STATUS

* Parathyroid Gland		Hyperplasia	Marked
* Pituitary Gland	Pars Distalis	Hyperplasia	Moderate
* Spleen		Leukemia Mononuclear	
		Fibrosis	Minimal
		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 4-4]			
* Testes	Bilateral, Interstit Cell	Adenoma	
[Adenoma TGLS = 2,3-7]			
* Thyroid Gland	C Cell	Hyperplasia	Mild

PRIMARY CAUSE OF DEATH - Spleen Leukemia Mononuclear

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05135-07

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Isoprene

CAS Number: 78-79-5

Date Report Requested: 10/22/2014

Time Report Requested: 18:27:44

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 620

TRT#: 7

SEX: Male

DAY ON TEST: 733

DOSE: 7000 PPM

DISP: Terminal Sacrifice

HISTO: 33315

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Bone	* Bone Marrow	* Brain	* Epididymis
* Esophagus	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Larynx	* Lymph Node, Bronchial	* Lymph Node, Mandibular	* Lymph Node, Mediastinal
* Lymph Node, Mesenteric	* Nose	* Parathyroid Gland	* Salivary Glands
* Seminal Vesicle	* Skin	* Spleen	* Stomach, Forestomach
* Stomach, Glandular	* Thymus	* Trachea	* Urinary Bladder

OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Mild
* Adrenal Medulla		Hyperplasia	Mild
* Heart		Cardiomyopathy	Mild
* Kidney		Nephropathy	Marked
[Nephropathy TGLS = 5-5]			
* Liver		Basophilic Focus	
		Clear Cell Focus	
		Eosinophilic Focus	
[Basophilic Focus TGLS = 5-5]			
[Clear Cell Focus TGLS = 6-4]			
[Eosinophilic Focus TGLS = 5-5]			
* Lung	Alveolar Epith	Hyperplasia	Minimal
* Mammary Gland		Fibroadenoma	
[Fibroadenoma TGLS = 1-11]			
* Pancreas		Atrophy	Mild
		Hyperplasia	Minimal
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 2-8]			
* Preputial Gland		Adenoma	
[Adenoma TGLS = 2-8]			
* Prostate		Hyperplasia	Mild
* Testes	Bilateral, Interstit Cell	Adenoma	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05135-07

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Isoprene

CAS Number: 78-79-5

Date Report Requested: 10/22/2014

Time Report Requested: 18:27:44

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 620

TRT#: 7

SEX: Male

DAY ON TEST: 733

DOSE: 7000 PPM

DISP: Terminal Sacrifice

HISTO: 33315

ORGAN AND ACCOUNTABLE SITE STATUS

[Adenoma TGLS = 3,4-12]

* Thyroid Gland

C Cell

Carcinoma

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05135-07

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Isoprene

CAS Number: 78-79-5

Date Report Requested: 10/22/2014

Time Report Requested: 18:27:44

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 621

TRT#: 7

SEX: Male

DAY ON TEST: 621

DOSE: 7000 PPM

DISP: Moribund Sacrifice

HISTO: 33316

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Bone Marrow	* Brain
* Epididymis	* Esophagus	* 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	* Lymph Node, Mesenteric	* Pancreas	* Parathyroid Gland
* Preputial Gland	* Salivary Glands	* Seminal Vesicle	* Skin
* Spleen	* Stomach, Glandular	* Thymus	* Trachea
* Urinary Bladder			

OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Mild
* Heart		Cardiomyopathy	Mild
* Islets, Pancreatic		Adenoma	
* Kidney		Nephropathy	Moderate
[Nephropathy TGLS = 6-5]			
* Liver		Basophilic Focus	
[Basophilic Focus TGLS = 6-5]		Fatty Change	Mild
* Mammary Gland		Galactocele	Mild
[Galactocele TGLS = 1-12]			
* Nose	Olfactory Epi	Atrophy	Mild
		Inflammation	Suppurative, Minimal
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 3-8]			
* Prostate		Hyperplasia	Minimal
		Inflammation	Chronic Active, Minimal
* Stomach, Forestomach		Necrosis	Moderate
* Testes	Bilateral, Interstit Cell	Adenoma	
[Adenoma TGLS = 4,5-7]			
* Thyroid Gland	C Cell	Hyperplasia	Minimal
Tongue		Squamous Cell Papilloma	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05135-07

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Isoprene

CAS Number: 78-79-5

Date Report Requested: 10/22/2014

Time Report Requested: 18:27:44

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 621

TRT#: 7

SEX: Male

DAY ON TEST: 621

DOSE: 7000 PPM

DISP: Moribund Sacrifice

HISTO: 33316

ORGAN AND ACCOUNTABLE SITE STATUS

[Squamous Cell Papilloma TGLS = 2-11]

PRIMARY CAUSE OF DEATH

- Pituitary Gland Pars Distalis Adenoma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05135-07

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Isoprene

CAS Number: 78-79-5

Date Report Requested: 10/22/2014

Time Report Requested: 18:27:44

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 622

TRT#: 7

SEX: Male

DAY ON TEST: 222

DOSE: 7000 PPM

DISP: Natural Death

HISTO: 33317

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Lymph Node, Bronchial

OBSERVATIONS

* Int Lg Cecum

Note: "Enlarged, 6.5x4cm" cecum, noted at necropsy, was within normal limits microscopically.

* Kidney		Nephropathy	Mild
* Liver	Bile Duct Artery	Hyperplasia Inflammation Necrosis	Marked Chronic Active, Marked Mild
	[Hyperplasia TGLS = 4-4] [Inflammation TGLS = 3-12]		
* Nose	Respirat Epith	Hyperplasia Inflammation	Minimal Suppurative, Mild
* Spleen			
	Note: "Enlarged, 5x1.5cm, dark" spleen, noted at necropsy, had no corresponding finding microscopically.		
* Urinary Bladder		Hemorrhage	Marked
	[Hemorrhage TGLS = 1-13]		

PRIMARY CAUSE OF DEATH - Urinary Bladder Hemorrhage

CONTRIBUTORY CAUSE OF DEATH - Liver Bile Duct Hyperplasia

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05135-07

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Isoprene

CAS Number: 78-79-5

Date Report Requested: 10/22/2014

Time Report Requested: 18:27:44

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 623

TRT#: 7

SEX: Male

DAY ON TEST: 566

DOSE: 7000 PPM

DISP: Moribund Sacrifice

HISTO: 33318

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Bone Marrow	* Brain
* Epididymis	* Esophagus	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Larynx	* Lung	* Lymph Node, Bronchial
* Lymph Node, Mandibular	* Lymph Node, Mediastinal	* Lymph Node, Mesenteric	* Mammary Gland
* Nose	* Preputial Gland	* Salivary Glands	* Seminal Vesicle
* Skin	* Stomach, Forestomach	* Stomach, Glandular	* Thymus
* Thyroid Gland	* Trachea	* Urinary Bladder	

MISSING

* Pituitary Gland

OBSERVATIONS

* Adrenal Cortex		Atrophy	Moderate
* Heart		Cardiomyopathy	Mild
* Kidney		Nephropathy	Mild
* Liver	Bile Duct	Hyperplasia	Minimal
Mesentery	Fat	Inflammation	Chronic Active, Mild
[Inflammation TGLS = 1-12]			
* Pancreas		Atrophy	Mild
		Hyperplasia	Mild
* Parathyroid Gland		Hyperplasia	Minimal
* Prostate		Inflammation	Chronic Active, Mild
* Spleen		Fibrosis	Moderate
* Testes	Bilateral, Interstit Cell	Adenoma	
[Adenoma TGLS = 2,3-7]			

PRIMARY CAUSE OF DEATH

-

CONTRIBUTORY CAUSE OF DEATH

- Adrenal Cortex Atrophy

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05135-07

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Isoprene

CAS Number: 78-79-5

Date Report Requested: 10/22/2014

Time Report Requested: 18:27:44

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 624

TRT#: 7

SEX: Male

DAY ON TEST: 733

DOSE: 7000 PPM

DISP: Terminal Sacrifice

HISTO: 33319

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Bone	* Brain	* Epididymis	* Esophagus
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Larynx
* Pancreas	* Parathyroid Gland	* Preputial Gland	* Prostate
* Salivary Glands	* Seminal Vesicle	* Stomach, Forestomach	* Stomach, Glandular
* Trachea	* Urinary Bladder		

OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Mild
		Leukemia Mononuclear	
* Adrenal Medulla		Hyperplasia	Mild
		Leukemia Mononuclear	
* Bone Marrow		Leukemia Mononuclear	
* Heart		Cardiomyopathy	Mild
* Kidney		Leukemia Mononuclear	
		Nephropathy	Moderate
[Nephropathy TGLS = 10-5]			
* Liver	Bile Duct	Hyperplasia	Marked
		Leukemia Mononuclear	
		Regeneration	Moderate
[Leukemia Mononuclear TGLS = 9-4]			
* Lung		Inflammation	Chronic Active, Mild
		Leukemia Mononuclear	
		Osteosarcoma	Metastatic (Uncertain Primary Site)
[Inflammation TGLS = 4-3+3A]			
[Leukemia Mononuclear TGLS = 9-4]			
[Osteosarcoma TGLS = 4-3+3A]			
Lymph Node	Renal	Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 11-13]			
* Lymph Node, Bronchial		Leukemia Mononuclear	
* Lymph Node, Mandibular		Leukemia Mononuclear	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05135-07

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Isoprene

CAS Number: 78-79-5

Date Report Requested: 10/22/2014

Time Report Requested: 18:27:44

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 624

TRT#: 7

SEX: Male

DAY ON TEST: 733

DOSE: 7000 PPM

DISP: Terminal Sacrifice

HISTO: 33319

ORGAN AND ACCOUNTABLE SITE STATUS

* Lymph Node, Mediastinal		Leukemia Mononuclear	
* Lymph Node, Mesenteric		Leukemia Mononuclear	
* Mammary Gland		Fibroadenoma	
[Fibroadenoma TGLS = 2-14]			
* Nose		Leukemia Mononuclear	
* Pituitary Gland	Pars Distalis	Adenoma	
		Leukemia Mononuclear	
[Adenoma TGLS = 3-8]			
[Leukemia Mononuclear TGLS = 2-14]			
* Skin	Subcut Tiss	Fibroma	
[Fibroma TGLS = 1-15]			
* Spleen		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 5,6-11]			
* Testes	Bilateral, Interstit Cell	Adenoma	
[Adenoma TGLS = 7,8-12]			
* Thymus		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 7,8-12]			
* Thyroid Gland	C Cell	Hyperplasia	Minimal
PRIMARY CAUSE OF DEATH	-		
CONTRIBUTORY CAUSE OF DEATH	- Bone Marrow	Leukemia Mononuclear	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05135-07

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Isoprene

CAS Number: 78-79-5

Date Report Requested: 10/22/2014

Time Report Requested: 18:27:44

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 625

TRT#: 7

SEX: Male

DAY ON TEST: 733

DOSE: 7000 PPM

DISP: Terminal Sacrifice

HISTO: 33320

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Bone	* Brain	* Epididymis	* Esophagus
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Larynx
* Nose	* Pancreas	* Preputial Gland	* Prostate
* Salivary Glands	* Seminal Vesicle	* Skin	* Stomach, Forestomach
* Stomach, Glandular	* Thymus	* Trachea	* Urinary Bladder

MISSING

* Lymph Node, Bronchial

OBSERVATIONS

* Adrenal Cortex	Leukemia Mononuclear	
* Adrenal Medulla	Leukemia Mononuclear	
	Pheochromocytoma Benign	
* Bone Marrow	Leukemia Mononuclear	
* Heart	Cardiomyopathy	Mild
* Kidney	Leukemia Mononuclear	
	Nephropathy	Marked
[Nephropathy TGLS = 7-5]		
* Liver	Basophilic Focus	
	Clear Cell Focus	
	Degeneration	Cystic, Mild
	Leukemia Mononuclear	
[Basophilic Focus TGLS = 7-5]		
[Clear Cell Focus TGLS = 7-5]		
[Leukemia Mononuclear TGLS = 6-4]		
* Lung	Inflammation	Chronic Active, Minimal
	Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 6-4]		
* Lymph Node, Mandibular	Leukemia Mononuclear	
* Lymph Node, Mediastinal	Leukemia Mononuclear	
* Lymph Node, Mesenteric	Leukemia Mononuclear	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05135-07

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Isoprene

CAS Number: 78-79-5

Date Report Requested: 10/22/2014

Time Report Requested: 18:27:44

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 625

TRT#: 7

SEX: Male

DAY ON TEST: 733

DOSE: 7000 PPM

DISP: Terminal Sacrifice

HISTO: 33320

ORGAN AND ACCOUNTABLE SITE STATUS

* Mammary Gland [Fibroadenoma TGLS = 2-13]		Fibroadenoma	
* Parathyroid Gland		Hyperplasia	Mild
* Pituitary Gland [Adenoma TGLS = 1-8]	Pars Distalis	Adenoma	
* Spleen [Fibrosis TGLS = 5-4+11] [Leukemia Mononuclear TGLS = 4-4+11]		Fibrosis Leukemia Mononuclear	Mild
* Testes [Adenoma TGLS = 3-7+12]	Bilateral, Interstit Cell	Adenoma	
* Thyroid Gland	C Cell	Hyperplasia	Minimal
PRIMARY CAUSE OF DEATH	-		

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05135-07

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Isoprene

CAS Number: 78-79-5

Date Report Requested: 10/22/2014

Time Report Requested: 18:27:44

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 626

TRT#: 7

SEX: Male

DAY ON TEST: 733

DOSE: 7000 PPM

DISP: Terminal Sacrifice

HISTO: 33321

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Brain	* Epididymis	* Esophagus	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Larynx	* Lymph Node, Mediastinal
* Lymph Node, Mesenteric	* Nose	* Pancreas	* Parathyroid Gland
* Preputial Gland	* Salivary Glands	* Seminal Vesicle	* Skin
* Stomach, Forestomach	* Thymus	* Trachea	

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Adrenal Cortex		Vacuolization Cytoplasmic	Moderate
[Vacuolization Cytoplasmic TGLS = 9-5]			
* Adrenal Medulla		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 9-5]			
Blood Vessel	Aorta	Mineralization	Moderate
* Bone		Fibrous Osteodystrophy	Mild
* Bone Marrow		Leukemia Mononuclear	
* Heart		Cardiomyopathy	Moderate
	Artery	Mineralization	Moderate
* Kidney		Leukemia Mononuclear	
		Mineralization	Mild
		Nephropathy	Marked
[Nephropathy TGLS = 10-5]			
* Liver		Basophilic Focus	
	Bile Duct	Hyperplasia	Moderate
		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 8-4]			
* Lung	Alveolar Epith	Hyperplasia	Minimal
	Artery, Mediastinum	Mineralization	Moderate
* Lymph Node, Bronchial		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 6-13]			

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05135-07

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Isoprene

CAS Number: 78-79-5

Date Report Requested: 10/22/2014

Time Report Requested: 18:27:44

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 626

TRT#: 7

SEX: Male

DAY ON TEST: 733

DOSE: 7000 PPM

DISP: Terminal Sacrifice

HISTO: 33321

ORGAN AND ACCOUNTABLE SITE STATUS

* Mammary Gland		Carcinoma	
		Fibroadenoma	
[Carcinoma TGLS = 2-14]			
[Fibroadenoma TGLS = 1-12]			
Mesentery	Artery	Mineralization	Minimal
* Pituitary Gland	Pars Distalis	Hyperplasia	Moderate
* Prostate		Inflammation	Chronic Active, Marked
[Inflammation TGLS = 7-8]			
* Spleen		Fibrosis	Minimal
		Leukemia Mononuclear	
[Fibrosis TGLS = 3-11]			
[Leukemia Mononuclear TGLS = 4-11]			
* Stomach, Glandular		Mineralization	Moderate
* Testes	Bilateral, Interstit Cell	Adenoma	
[Adenoma TGLS = 5-7]			
* Thyroid Gland	C Cell	Hyperplasia	Mild
* Urinary Bladder		Inflammation	Chronic Active, Marked
		Necrosis	Moderate
[Inflammation TGLS = 6-13]			

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05135-07

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Isoprene

CAS Number: 78-79-5

Date Report Requested: 10/22/2014

Time Report Requested: 18:27:44

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 627

TRT#: 7

SEX: Male

DAY ON TEST: 612

DOSE: 7000 PPM

DISP: Moribund Sacrifice

HISTO: 33322

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- | | | | |
|----------------------------|---------------------------|-----------------------------|--------------------------|
| * Bone | * Epididymis | * Esophagus | * Intestine Large, Cecum |
| * Intestine Large, Colon | * Intestine Large, Rectum | * Intestine Small, Duodenum | * Intestine Small, Ileum |
| * Intestine Small, Jejunum | * Islets, Pancreatic | * Larynx | * Mammary Gland |
| * Pancreas | * Parathyroid Gland | * Preputial Gland | * Salivary Glands |
| * Seminal Vesicle | * Skin | * Stomach, Forestomach | * Stomach, Glandular |
| * Trachea | | | |

MISSING

- * Lymph Node, Bronchial

OBSERVATIONS

- | | | | |
|-------------------|--|-------------------------|----------|
| * Adrenal Cortex | | Carcinoma | |
| | | Leukemia Mononuclear | |
| | [Carcinoma TGLS = 6-5] | | |
| | [Leukemia Mononuclear TGLS = 5-13] | | |
| * Adrenal Medulla | | Leukemia Mononuclear | |
| | | Pheochromocytoma Benign | |
| | [Leukemia Mononuclear TGLS = 6-5] | | |
| | [Pheochromocytoma Benign TGLS = 6-5] | | |
| * Bone Marrow | | Leukemia Mononuclear | |
| * Brain | | Leukemia Mononuclear | |
| | [Leukemia Mononuclear TGLS = 9-1] | | |
| * Heart | | Leukemia Mononuclear | |
| | [Leukemia Mononuclear TGLS = 9-1] | | |
| * Kidney | | Leukemia Mononuclear | |
| | | Nephropathy | Mild |
| | [Leukemia Mononuclear TGLS = 9-1] | | |
| * Liver | Bile Duct | Hyperplasia | Moderate |
| | | Leukemia Mononuclear | |
| | | Regeneration | Marked |
| | [Regeneration TGLS = 7-4] | | |
| * Lung | | Leukemia Mononuclear | |

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05135-07

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Isoprene

CAS Number: 78-79-5

Date Report Requested: 10/22/2014

Time Report Requested: 18:27:44

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 627

TRT#: 7

SEX: Male

DAY ON TEST: 612

DOSE: 7000 PPM

DISP: Moribund Sacrifice

HISTO: 33322

ORGAN AND ACCOUNTABLE SITE STATUS

[Leukemia Mononuclear TGLS = 7-4]			
* Lymph Node, Mandibular		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 5-13]			
* Lymph Node, Mediastinal		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 6-5]			
* Lymph Node, Mesenteric		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 5-13]			
* Nose		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 5-13]			
* Pituitary Gland		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 8-8]			
* Prostate		Inflammation	Chronic Active, Mild
* Spleen		Fibrosis	Moderate
		Leukemia Mononuclear	
[Fibrosis TGLS = 2,3-12]			
[Leukemia Mononuclear TGLS = 1-11]			
* Testes	Bilateral, Interstit Cell	Adenoma	
		Leukemia Mononuclear	
[Adenoma TGLS = 4-7]			
[Leukemia Mononuclear TGLS = 4-7]			
* Thymus		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 4-7]			
* Thyroid Gland	C Cell	Hyperplasia	Moderate
* Urinary Bladder		Inflammation	Acute, Marked
		Leukemia Mononuclear	
[Inflammation TGLS = 5-13]			

PRIMARY CAUSE OF DEATH - Spleen Leukemia Mononuclear

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05135-07

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Isoprene

CAS Number: 78-79-5

Date Report Requested: 10/22/2014

Time Report Requested: 18:27:44

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 628

TRT#: 7

SEX: Male

DAY ON TEST: 611

DOSE: 7000 PPM

DISP: Moribund Sacrifice

HISTO: 33323

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Bone Marrow	* Brain	* Epididymis
* Esophagus	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Larynx	* Lymph Node, Bronchial	* Lymph Node, Mandibular	* Lymph Node, Mesenteric
* Mammary Gland	* Nose	* Pancreas	* Salivary Glands
* Seminal Vesicle	* Skin	* Spleen	* Thymus
* Trachea	* Urinary Bladder		

MISSING

* Lymph Node, Mediastinal

OBSERVATIONS

* Adrenal Medulla		Hyperplasia Pheochromocytoma Benign	Mild
[Pheochromocytoma Benign TGLS = 1-2]			
* Bone		Fibrous Osteodystrophy	Mild
* Heart		Cardiomyopathy	Mild
* Kidney	Renal Tubule	Hyperplasia Nephropathy	Mild Marked
[Nephropathy TGLS = 4-5]			
* Liver		Basophilic Focus Degeneration	Cystic, Minimal
[Basophilic Focus TGLS = 4-5]			
* Lung		Carcinoma	Metastatic (Thyroid Gland)
* Parathyroid Gland		Hyperplasia	Marked
* Pituitary Gland	Pars Distalis	Adenoma	
* Preputial Gland		Inflammation	Chronic Active, Mild
* Prostate		Hyperplasia	Moderate
* Stomach, Forestomach		Necrosis	Mild
* Stomach, Glandular		Necrosis	Minimal
[Necrosis TGLS = 5-11]			

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05135-07

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Isoprene

CAS Number: 78-79-5

Date Report Requested: 10/22/2014

Time Report Requested: 18:27:44

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 628

TRT#: 7

SEX: Male

DAY ON TEST: 611

DOSE: 7000 PPM

DISP: Moribund Sacrifice

HISTO: 33323

ORGAN AND ACCOUNTABLE SITE STATUS

* Testes

Bilateral, Interstit Cell

Adenoma

[Adenoma TGLS = 2,3-7]

* Thyroid Gland

C Cell

Carcinoma

[Carcinoma TGLS = 1-2]

PRIMARY CAUSE OF DEATH

- Liver Basophilic Focus

CONTRIBUTORY CAUSE OF DEATH

- Adrenal Medulla Pheochromocytoma Benign;Thyroid Gland C Cell Carcinoma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05135-07

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Isoprene

CAS Number: 78-79-5

Date Report Requested: 10/22/2014

Time Report Requested: 18:27:44

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 629

TRT#: 7

SEX: Male

DAY ON TEST: 361

DOSE: 7000 PPM

DISP: Moribund Sacrifice

HISTO: 33324

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Bone	* Epididymis	* Esophagus	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Larynx
* Parathyroid Gland	* Preputial Gland	* Prostate	* Salivary Glands
* Seminal Vesicle	* Skin	* Stomach, Forestomach	* Trachea
* Urinary Bladder			

MISSING

* Mammary Gland

INSUFFICIENT TISSUE

* Islets, Pancreatic

OBSERVATIONS

* Adrenal Cortex		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 11-6]			
* Adrenal Medulla		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 11-6]			
* Bone Marrow		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 5-11]			
* Brain		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 5-11]			
* Heart		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 5-11]			
* Intestine Large, Cecum		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 11-6]			
* Intestine Large, Colon		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 11-6]			
* Kidney		Leukemia Mononuclear	
		Nephropathy	Minimal
[Leukemia Mononuclear TGLS = 5-11]			
* Liver	Centrilobular	Leukemia Mononuclear	
		Necrosis	Mild
		Regeneration	Mild

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05135-07

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Isoprene

CAS Number: 78-79-5

Date Report Requested: 10/22/2014

Time Report Requested: 18:27:44

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 629

TRT#: 7

SEX: Male

DAY ON TEST: 361

DOSE: 7000 PPM

DISP: Moribund Sacrifice

HISTO: 33324

ORGAN AND ACCOUNTABLE SITE STATUS

[Leukemia Mononuclear TGLS = 5-4]

* Lung Leukemia Mononuclear
Lymph Node Pancreatic Leukemia Mononuclear

[Leukemia Mononuclear TGLS = 2,9-11]

* Lymph Node, Bronchial Leukemia Mononuclear

[Leukemia Mononuclear TGLS = 10-13]

* Lymph Node, Mandibular Leukemia Mononuclear

[Leukemia Mononuclear TGLS = 10-13]

* Lymph Node, Mediastinal Leukemia Mononuclear

* Lymph Node, Mesenteric Leukemia Mononuclear

[Leukemia Mononuclear TGLS = 10-13]

* Nose Leukemia Mononuclear

* Pancreas Leukemia Mononuclear

[Leukemia Mononuclear TGLS = 2,9-11]

* Pituitary Gland Leukemia Mononuclear

[Leukemia Mononuclear TGLS = 2,9-11]

* Spleen Leukemia Mononuclear

[Leukemia Mononuclear TGLS = 1,3,4-11+12]

* Stom Forestom
Note: "Perforation, 0.5cm dia", noted at necropsy, was not apparent microscopically.

* Stomach, Glandular Necrosis Minimal

* Testes Bilateral, Interstit Cell Adenoma

[Adenoma TGLS = 13-7]

* Thymus Leukemia Mononuclear

[Leukemia Mononuclear TGLS = 8-2]

* Thyroid Gland C Cell Hyperplasia Minimal

PRIMARY CAUSE OF DEATH - Spleen Leukemia Mononuclear

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05135-07

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Isoprene

CAS Number: 78-79-5

Date Report Requested: 10/22/2014

Time Report Requested: 18:27:44

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 630

TRT#: 7

SEX: Male

DAY ON TEST: 708

DOSE: 7000 PPM

DISP: Moribund Sacrifice

HISTO: 33325

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Brain	* Epididymis	* Esophagus	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Larynx	* Lymph Node, Bronchial
* Lymph Node, Mandibular	* Lymph Node, Mediastinal	* Lymph Node, Mesenteric	* Prostate
* Salivary Glands	* Seminal Vesicle	* Stomach, Forestomach	* Thymus
* Trachea	* Urinary Bladder		

OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Mild
		Hypertrophy	Marked
		Leukemia Mononuclear	
* Adrenal Medulla		Leukemia Mononuclear	
		Pheochromocytoma Benign	
Blood Vessel	Aorta	Mineralization	Marked
* Bone		Fibrous Osteodystrophy	Mild
* Bone Marrow		Myelofibrosis	Mild
* Heart		Cardiomyopathy	Moderate
	Artery	Mineralization	Moderate
	Atrium	Thrombosis	Mild
* Kidney	Renal Tubule	Adenoma	
	Renal Tubule	Hyperplasia	Moderate
		Leukemia Mononuclear	
		Mineralization	Mild
		Nephropathy	Marked
[Nephropathy TGLS = 7-5]			
* Liver		Basophilic Focus	
		Degeneration	Cystic, Moderate
	Bile Duct	Hyperplasia	Minimal
		Leukemia Mononuclear	
[Basophilic Focus TGLS = 7-5]			
[Degeneration TGLS = 4-15]			

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05135-07

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Isoprene

CAS Number: 78-79-5

Date Report Requested: 10/22/2014

Time Report Requested: 18:27:44

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 630

TRT#: 7

SEX: Male

DAY ON TEST: 708

DOSE: 7000 PPM

DISP: Moribund Sacrifice

HISTO: 33325

ORGAN AND ACCOUNTABLE SITE STATUS

[Leukemia Mononuclear TGLS = 7-5]			
* Lung	Alveolar Epith	Hyperplasia Leukemia Mononuclear Melanoma Malignant Mineralization	Marked Metastatic (Skin) Mild
[Melanoma Malignant TGLS = 6-3+3A+14]			
* Mammary Gland		Fibroadenoma	
[Fibroadenoma TGLS = 1-17]			
Mesentery	Fat	Hemorrhage	Moderate
[Hemorrhage TGLS = 10-19]			
* Nose		Inflammation	Suppurative, Mild
* Pancreas		Atrophy	Mild
* Parathyroid Gland		Hyperplasia	Mild
* Pituitary Gland	Pars Distalis	Hyperplasia	Moderate
* Preputial Gland		Inflammation	Chronic Active, Moderate
* Skin	Pinna	Melanoma Malignant	
[Melanoma Malignant TGLS = 8-10]			
* Spleen		Fibrosis Leukemia Mononuclear	Moderate
[Fibrosis TGLS = 3-11]			
[Leukemia Mononuclear TGLS = 3-11]			
* Stomach, Glandular		Mineralization	Moderate
* Testes	Bilateral, Interstit Cell	Adenoma	
[Adenoma TGLS = 2-7]			
* Thyroid Gland	C Cell	Hyperplasia	Mild
PRIMARY CAUSE OF DEATH	- Liver	Leukemia Mononuclear	
CONTRIBUTORY CAUSE OF DEATH	- Spleen	Leukemia Mononuclear	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05135-07

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Isoprene

CAS Number: 78-79-5

Date Report Requested: 10/22/2014

Time Report Requested: 18:27:44

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 631

TRT#: 7

SEX: Male

DAY ON TEST: 733

DOSE: 7000 PPM

DISP: Terminal Sacrifice

HISTO: 33326

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Bone	* Bone Marrow	* Brain	* Epididymis
* Esophagus	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Larynx	* Lymph Node, Bronchial	* Lymph Node, Mandibular	* Lymph Node, Mesenteric
* Pancreas	* Parathyroid Gland	* Preputial Gland	* Prostate
* Salivary Glands	* Seminal Vesicle	* Skin	* Spleen
* Stomach, Forestomach	* Stomach, Glandular	* Thymus	* Trachea
* Urinary Bladder			

MISSING

* Lymph Node, Mediastinal

OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Mild
* Adrenal Medulla		Hyperplasia	Mild
* Heart		Cardiomyopathy	Mild
* Kidney	Renal Tubule	Hyperplasia	Marked
		Nephropathy	Marked
	[Nephropathy TGLS = 3-5]		
* Liver		Angiectasis	Minimal
		Clear Cell Focus	
		Degeneration	Cystic, Minimal
* Lung	Alveolar Epith	Hyperplasia	Minimal
		Inflammation	Chronic Active, Minimal
* Mammary Gland		Galactoceles	Moderate
	[Galactoceles TGLS = 1-13]		
Mesentery	Fat	Necrosis	Mild
	[Necrosis TGLS = 5-14]		
* Nose		Foreign Body	
		Inflammation	Suppurative, Minimal
* Pituitary Gland	Pars Distalis	Adenoma	
	[Adenoma TGLS = 2-8]		

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05135-07

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Isoprene

CAS Number: 78-79-5

Date Report Requested: 10/22/2014

Time Report Requested: 18:27:44

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 631

TRT#: 7

SEX: Male

DAY ON TEST: 733

DOSE: 7000 PPM

DISP: Terminal Sacrifice

HISTO: 33326

ORGAN AND ACCOUNTABLE SITE STATUS

* Testes [Adenoma TGLS = 4-12]	Bilateral, Interstit Cell	Adenoma	
* Thyroid Gland	C Cell	Hyperplasia	Minimal
PRIMARY CAUSE OF DEATH	-		

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05135-07

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Isoprene

CAS Number: 78-79-5

Date Report Requested: 10/22/2014

Time Report Requested: 18:27:44

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 632

TRT#: 7

SEX: Male

DAY ON TEST: 630

DOSE: 7000 PPM

DISP: Moribund Sacrifice

HISTO: 33327

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

* Heart		Cardiomyopathy	Minimal
* Kidney	Renal Tubule	Adenoma	
		Nephropathy	Marked
	[Nephropathy TGLS = 4-5]		
* Liver		Clear Cell Focus	
		Degeneration	Cystic, Mild
		Fatty Change	Minimal
	Bile Duct	Hyperplasia	Minimal
* Lung		Alveolar/Bronchiolar Carcinoma	
* Mammary Gland		Galactoceles	Mild
	[Galactoceles TGLS = 1-12]		
* Pituitary Gland	Pars Distalis	Adenoma	
	[Adenoma TGLS = 2-8]		
* Stomach, Forestomach		Fibrosis	Marked
	[Fibrosis TGLS = 5-8]		
* Testes	Bilateral, Interstit Cell	Adenoma	
	[Adenoma TGLS = 3-7+11]		
* Thyroid Gland	C Cell	Hyperplasia	Minimal

PRIMARY CAUSE OF DEATH - Pituitary Gland Pars Distalis Adenoma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05135-07

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Isoprene

CAS Number: 78-79-5

Date Report Requested: 10/22/2014

Time Report Requested: 18:27:44

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 633

TRT#: 7

SEX: Male

DAY ON TEST: 686

DOSE: 7000 PPM

DISP: Moribund Sacrifice

HISTO: 33328

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- | | | | |
|--------------------------|----------------------------|---------------------------|-----------------------------|
| * Bone | * Brain | * Epididymis | * Esophagus |
| * Intestine Large, Cecum | * Intestine Large, Colon | * Intestine Large, Rectum | * Intestine Small, Duodenum |
| * Intestine Small, Ileum | * Intestine Small, Jejunum | * Islets, Pancreatic | * Larynx |
| * Lymph Node, Mandibular | * Lymph Node, Mesenteric | * Pancreas | * Parathyroid Gland |
| * Preputial Gland | * Prostate | * Salivary Glands | * Seminal Vesicle |
| * Stomach, Forestomach | * Stomach, Glandular | * Thymus | * Trachea |
| * Urinary Bladder | | | |

MISSING

- * Lymph Node, Bronchial

OBSERVATIONS

- | | | | |
|---------------------------|-----------|-------------------------------------|-------------------------|
| * Adrenal Cortex | | Hyperplasia | Mild |
| | | Leukemia Mononuclear | |
| | | Vacuolization Cytoplasmic | Mild |
| * Adrenal Medulla | | Hyperplasia | Mild |
| | | Leukemia Mononuclear | |
| * Bone Marrow | | Leukemia Mononuclear | |
| | | [Leukemia Mononuclear TGLS = 5-8] | |
| * Heart | | Cardiomyopathy | Mild |
| * Kidney | | Leukemia Mononuclear | |
| | | Nephropathy | Moderate |
| * Liver | | Degeneration | Cystic, Mild |
| | Bile Duct | Hyperplasia | Mild |
| | | Leukemia Mononuclear | |
| | | [Leukemia Mononuclear TGLS = 1-4] | |
| * Lung | | Inflammation | Chronic Active, Minimal |
| | | Leukemia Mononuclear | |
| * Lymph Node, Mediastinal | | Leukemia Mononuclear | |
| * Mammary Gland | | Fibroadenoma | |
| | | [Fibroadenoma TGLS = 5-14] | |
| * Nose | | Inflammation | Suppurative, Mild |

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05135-07
Test Type: CHRONIC
Species/Strain: Rat/F 344/N

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

Date Report Requested: 10/22/2014
Time Report Requested: 18:27:44
First Dose M/F: NA / NA
Lab: BNW

ANIMAL ID: 633	TRT#: 7	SEX: Male	DAY ON TEST: 686
	DOSE: 7000 PPM	DISP: Moribund Sacrifice	HISTO: 33328

ORGAN AND ACCOUNTABLE SITE STATUS

* Pituitary Gland	Pars Distalis	Leukemia Mononuclear Thrombosis Hyperplasia Leukemia Mononuclear	Mild Mild
[Leukemia Mononuclear TGLS = 5-14]			
* Skin		Squamous Cell Carcinoma	
[Squamous Cell Carcinoma TGLS = 4-13]			
* Spleen		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 2-11]			
* Testes	Bilateral, Interstit Cell	Adenoma Leukemia Mononuclear	
[Adenoma TGLS = 3-7]			
[Leukemia Mononuclear TGLS = 3-7]			
* Thyroid Gland	C Cell	Hyperplasia	Minimal

PRIMARY CAUSE OF DEATH - Spleen Leukemia Mononuclear

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05135-07

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Isoprene

CAS Number: 78-79-5

Date Report Requested: 10/22/2014

Time Report Requested: 18:27:44

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 634

TRT#: 7

SEX: Male

DAY ON TEST: 733

DOSE: 7000 PPM

DISP: Terminal Sacrifice

HISTO: 33329

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Bone	* Brain	* Epididymis	* Esophagus
* 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	* Preputial Gland
* Prostate	* Salivary Glands	* Seminal Vesicle	* Skin
* Stomach, Forestomach	* Stomach, Glandular	* Thymus	* Trachea
* Urinary Bladder			

OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Mild
		Hypertrophy	Mild
* Adrenal Medulla		Hyperplasia	Minimal
* Bone Marrow		Necrosis	Mild
* Heart		Cardiomyopathy	Mild
* Kidney	Renal Tubule	Adenoma	
		Nephropathy	Marked
[Adenoma TGLS = 7-14]			
[Nephropathy TGLS = 6-5]			
* Liver		Basophilic Focus	
		Clear Cell Focus	
		Degeneration	Cystic, Mild
	Bile Duct	Hyperplasia	Minimal
		Mixed Cell Focus	
[Clear Cell Focus TGLS = 4,5-11+12]			
[Mixed Cell Focus TGLS = 4-11]			
* Mammary Gland		Fibroadenoma	Multiple
[Fibroadenoma TGLS = 1,8-17+16]			
* Parathyroid Gland		Hyperplasia	Minimal
* Pituitary Gland	Pars Distalis	Adenoma	
* Spleen		Fibrosis	Moderate

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05135-07
Test Type: CHRONIC
Species/Strain: Rat/F 344/N

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

Date Report Requested: 10/22/2014
Time Report Requested: 18:27:44
First Dose M/F: NA / NA
Lab: BNW

ANIMAL ID: 634	TRT#: 7	SEX: Male	DAY ON TEST: 733
	DOSE: 7000 PPM	DISP: Terminal Sacrifice	HISTO: 33329

ORGAN AND ACCOUNTABLE SITE STATUS

[Fibrosis TGLS = 3-13]			
* Testes	Bilateral, Interstit Cell	Adenoma	
[Adenoma TGLS = 2-7]			
* Thyroid Gland	C Cell	Hyperplasia	Moderate

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05135-07

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Isoprene

CAS Number: 78-79-5

Date Report Requested: 10/22/2014

Time Report Requested: 18:27:44

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 635

TRT#: 7

SEX: Male

DAY ON TEST: 548

DOSE: 7000 PPM

DISP: Moribund Sacrifice

HISTO: 33330

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Bone	* Bone Marrow	* Brain
* Epididymis	* Esophagus	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Larynx	* Liver	* Lung	* Lymph Node, Mandibular
* Lymph Node, Mediastinal	* Lymph Node, Mesenteric	* Mammary Gland	* Nose
* Preputial Gland	* Prostate	* Salivary Glands	* Seminal Vesicle
* Skin	* Spleen	* Thymus	* Thyroid Gland
* Trachea	* Urinary Bladder		

MISSING

* Lymph Node, Bronchial

OBSERVATIONS

* Adrenal Medulla		Pheochromocytoma Benign	
* Heart		Cardiomyopathy	Mild
* Intestine Small, Duodenum		Necrosis	Minimal
* Kidney	Renal Tubule	Hyperplasia	Mild
		Mesenchymal Tumor Benign	
		Nephropathy	Marked
		[Mesenchymal Tumor Benign TGLS = 4-5]	
		[Nephropathy TGLS = 3-5]	
Lymph Node	Renal	Hemorrhage	Mild
		[Hemorrhage TGLS = 5-11]	
* Pancreas		Atrophy	Mild
* Parathyroid Gland		Hyperplasia	Moderate
* Pituitary Gland	Pars Distalis	Hyperplasia	Mild
* Stomach, Forestomach		Necrosis	Mild
* Stomach, Glandular		Necrosis	Minimal
* Testes	Bilateral, Interstit Cell	Adenoma	
		[Adenoma TGLS = 2-7]	

PRIMARY CAUSE OF DEATH

- Kidney Nephropathy

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05135-07

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Isoprene

CAS Number: 78-79-5

Date Report Requested: 10/22/2014

Time Report Requested: 18:27:44

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 636

TRT#: 7

DOSE: 7000 PPM

SEX: Male

DISP: Terminal Sacrifice

DAY ON TEST: 733

HISTO: 33331

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Brain	* Epididymis	* Esophagus	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Larynx	* Lymph Node, Mandibular	* Lymph Node, Mediastinal
* Lymph Node, Mesenteric	* Nose	* Parathyroid Gland	* Preputial Gland
* Salivary Glands	* Seminal Vesicle	* Skin	* Stomach, Forestomach
* Stomach, Glandular	* Thymus	* Trachea	* Urinary Bladder

MISSING

* Lymph Node, Bronchial

OBSERVATIONS

Eye	Retina	Atrophy Cataract	Moderate Moderate
[Cataract TGLS = 1-14]			
* Heart		Cardiomyopathy	Mild
* Islets, Pancreatic		Carcinoma	
[Carcinoma TGLS = 10-11]			
* Kidney		Nephropathy	Moderate
[Nephropathy TGLS = 5-5]			
* Liver		Basophilic Focus Degeneration	Cystic, Minimal
	Bile Duct	Hepatodiaphragmatic Nodule Hyperplasia Leukemia Mononuclear	Mild
[Basophilic Focus TGLS = 5-5]			
[Hepatodiaphragmatic Nodule TGLS = 7-4]			
[Leukemia Mononuclear TGLS = 6-4]			
* Lung	Alveolar Epith	Hyperplasia Inflammation Leukemia Mononuclear	Minimal Chronic Active, Minimal
* Mammary Gland		Fibroadenoma	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05135-07
Test Type: CHRONIC
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

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

Date Report Requested: 10/22/2014
Time Report Requested: 18:27:44
First Dose M/F: NA / NA
Lab: BNW

ANIMAL ID: 636	TRT#: 7	SEX: Male	DAY ON TEST: 733
	DOSE: 7000 PPM	DISP: Terminal Sacrifice	HISTO: 33331

ORGAN AND ACCOUNTABLE SITE STATUS

[Fibroadenoma TGLS = 9-13]			
* Pancreas		Hyperplasia	Marked
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 8-8]			
* Prostate		Hyperplasia	Mild
* Spleen		Fibrosis	Moderate
		Leukemia Mononuclear	
[Fibrosis TGLS = 3-11]			
[Leukemia Mononuclear TGLS = 2-11]			
* Testes	Bilateral, Interstit Cell	Adenoma	
[Adenoma TGLS = 4-12]			
* Thyroid Gland	C Cell	Adenoma	

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05135-07

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Isoprene

CAS Number: 78-79-5

Date Report Requested: 10/22/2014

Time Report Requested: 18:27:44

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 637

TRT#: 7

SEX: Male

DAY ON TEST: 581

DOSE: 7000 PPM

DISP: Moribund Sacrifice

HISTO: 33332

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Bone	* Bone Marrow	* Brain	* Epididymis
* Esophagus	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Larynx	* Liver	* Lung	* Lymph Node, Bronchial
* Lymph Node, Mandibular	* Lymph Node, Mediastinal	* Lymph Node, Mesenteric	* Nose
* Pancreas	* Preputial Gland	* Salivary Glands	* Seminal Vesicle
* Skin	* Stomach, Forestomach	* Stomach, Glandular	* Thymus
* Trachea	* Urinary Bladder		

MISSING

* Mammary Gland	* Parathyroid Gland
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OBSERVATIONS

* Adrenal Cortex		Hypertrophy	Mild
* Adrenal Medulla		Hyperplasia	Minimal
* Heart		Cardiomyopathy	Mild
* Kidney		Nephropathy	Mild
* Pituitary Gland	Pars Distalis	Adenoma	
* Prostate		Hyperplasia	Minimal
* Spleen		Hematopoietic Cell Proliferation	Mild
* Testes	Bilateral, Interstit Cell	Adenoma	
[Adenoma TGLS = 3,4-7]			
* Thyroid Gland	C Cell	Adenoma	
Zymbal's Gland		Carcinoma	
[Carcinoma TGLS = 2-11+12]			

PRIMARY CAUSE OF DEATH

- Zymbal's Gland Carcinoma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05135-07

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Isoprene

CAS Number: 78-79-5

Date Report Requested: 10/22/2014

Time Report Requested: 18:27:44

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 638

TRT#: 7

SEX: Male

DAY ON TEST: 668

DOSE: 7000 PPM

DISP: Natural Death

HISTO: 33333

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- | | | | |
|--------------------------|----------------------------|---------------------------|-----------------------------|
| * Bone | * Brain | * Epididymis | * Esophagus |
| * Intestine Large, Cecum | * Intestine Large, Colon | * Intestine Large, Rectum | * Intestine Small, Duodenum |
| * Intestine Small, Ileum | * Intestine Small, Jejunum | * Islets, Pancreatic | * Larynx |
| * Lymph Node, Mandibular | * Lymph Node, Mediastinal | * Lymph Node, Mesenteric | * Mammary Gland |
| * Nose | * Pancreas | * Parathyroid Gland | * Preputial Gland |
| * Prostate | * Salivary Glands | * Seminal Vesicle | * Skin |
| * Stomach, Forestomach | * Stomach, Glandular | * Thymus | * Trachea |
| * Urinary Bladder | | | |

MISSING

- * Lymph Node, Bronchial

OBSERVATIONS

- | | | | |
|-------------------|---------------------------|--------------------------------------|----------|
| * Adrenal Cortex | | Leukemia Mononuclear | |
| * Adrenal Medulla | | Hyperplasia | Moderate |
| | | Leukemia Mononuclear | |
| * Bone Marrow | | Leukemia Mononuclear | |
| * Heart | | Cardiomyopathy | Mild |
| * Kidney | | Leukemia Mononuclear | |
| | | Nephropathy | Moderate |
| * Liver | Bile Duct | Hyperplasia | Mild |
| | | Leukemia Mononuclear | |
| | Centrilobular | Necrosis | Minimal |
| * Lung | | Leukemia Mononuclear | |
| * Pituitary Gland | Pars Distalis | Adenoma | |
| | | Leukemia Mononuclear | |
| * Spleen | | Fibrosis | Mild |
| | | Leukemia Mononuclear | |
| | | Necrosis | Moderate |
| | | [Leukemia Mononuclear TGLS = 3-11] | |
| | | [Necrosis TGLS = 4-11] | |
| * Testes | Bilateral, Interstit Cell | Adenoma | |

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05135-07

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Isoprene

CAS Number: 78-79-5

Date Report Requested: 10/22/2014

Time Report Requested: 18:27:44

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 638

TRT#: 7

SEX: Male

DAY ON TEST: 668

DOSE: 7000 PPM

DISP: Natural Death

HISTO: 33333

ORGAN AND ACCOUNTABLE SITE STATUS

[Adenoma TGLS = 1,2-12+7]

* Thyroid Gland

C Cell

Hyperplasia

Mild

PRIMARY CAUSE OF DEATH

- Spleen Leukemia Mononuclear

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05135-07

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Isoprene

CAS Number: 78-79-5

Date Report Requested: 10/22/2014

Time Report Requested: 18:27:44

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 639

TRT#: 7

SEX: Male

DAY ON TEST: 734

DOSE: 7000 PPM

DISP: Terminal Sacrifice

HISTO: 33334

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Bone	* Bone Marrow	* Brain	* Epididymis
* Esophagus	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Larynx	* Lymph Node, Bronchial	* Lymph Node, Mediastinal	* Lymph Node, Mesenteric
* Preputial Gland	* Prostate	* Salivary Glands	* Seminal Vesicle
* Skin	* Stomach, Forestomach	* Stomach, Glandular	* Thymus
* Trachea	* Urinary Bladder		

OBSERVATIONS

* Adrenal Cortex		Degeneration	Cystic, Moderate
		Hyperplasia	Mild
* Adrenal Medulla		Hyperplasia	Moderate
* Heart		Cardiomyopathy	Mild
* Kidney		Cyst	Mild
		Leukemia Mononuclear	
		Nephropathy	Marked
[Cyst TGSL = 6-13]			
[Nephropathy TGSL = 2-5]			
* Liver		Basophilic Focus	
		Leukemia Mononuclear	
[Basophilic Focus TGSL = 6-13]			
[Leukemia Mononuclear TGSL = 4-4]			
* Lung		Leukemia Mononuclear	
[Leukemia Mononuclear TGSL = 4-4]			
* Lymph Node, Mandibular		Leukemia Mononuclear	
* Mammary Gland		Fibroadenoma	
[Fibroadenoma TGSL = 4-4]			
* Nose	Olfactory Epi	Metaplasia	Minimal
* Pancreas		Atrophy	Mild
* Parathyroid Gland		Hyperplasia	Mild
* Pituitary Gland	Pars Distalis	Adenoma	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05135-07

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Isoprene

CAS Number: 78-79-5

Date Report Requested: 10/22/2014

Time Report Requested: 18:27:44

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 639

TRT#: 7

SEX: Male

DAY ON TEST: 734

DOSE: 7000 PPM

DISP: Terminal Sacrifice

HISTO: 33334

ORGAN AND ACCOUNTABLE SITE STATUS

[Adenoma TGLS = 1-8]

* Spleen

Fibrosis
Leukemia Mononuclear

Minimal

[Fibrosis TGLS = 5-11]

[Leukemia Mononuclear TGLS = 1-8]

* Testes

Bilateral, Interstit Cell

Adenoma

[Adenoma TGLS = 3-7+12]

* Thyroid Gland

C Cell

Adenoma

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05135-07

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Isoprene

CAS Number: 78-79-5

Date Report Requested: 10/22/2014

Time Report Requested: 18:27:44

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 640

TRT#: 7

SEX: Male

DAY ON TEST: 517

DOSE: 7000 PPM

DISP: Moribund Sacrifice

HISTO: 33335

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Bone	* Bone Marrow	* Brain	* Epididymis
* Esophagus	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Islets, Pancreatic	* Larynx
* Lymph Node, Bronchial	* Lymph Node, Mandibular	* Lymph Node, Mediastinal	* Mammary Gland
* Parathyroid Gland	* Pituitary Gland	* Preputial Gland	* Prostate
* Salivary Glands	* Seminal Vesicle	* Skin	* Stomach, Forestomach
* Stomach, Glandular	* Thymus	* Trachea	* Urinary Bladder

OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Mild
* Adrenal Medulla		Hyperplasia	Moderate
* Heart		Cardiomyopathy	Minimal
* Intestine Small, Jejunum		Carcinoma	
[Carcinoma TGLS = 4-13+14+15]			
* Kidney		Nephropathy	Mild
* Liver		Basophilic Focus	
* Lung	Alveolar Epith	Hyperplasia	Mild
[Hyperplasia TGLS = 5-3]			
* Lymph Node, Mesenteric		Infiltration Cellular	Plasma Cell, Moderate
[Infiltration Cellular TGLS = 3-12]			
* Nose		Inflammation	Suppurative, Minimal
* Pancreas		Hyperplasia	Mild
* Spleen		Hematopoietic Cell Proliferation	Marked
[Hematopoietic Cell Proliferation TGLS = 2-11]			
* Testes	Bilateral, Interstit Cell	Adenoma	
[Adenoma TGLS = 1-7]			
* Thyroid Gland	C Cell	Hyperplasia	Minimal

PRIMARY CAUSE OF DEATH - Intestine Small, Jejunum Carcinoma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05135-07

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Isoprene

CAS Number: 78-79-5

Date Report Requested: 10/22/2014

Time Report Requested: 18:27:45

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 641

TRT#: 7

SEX: Male

DAY ON TEST: 680

DOSE: 7000 PPM

DISP: Moribund Sacrifice

HISTO: 33336

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Bone	* Epididymis	* Esophagus	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Larynx	* Preputial Gland
* Prostate	* Salivary Glands	* Seminal Vesicle	* Skin
* Stomach, Forestomach	* Thymus	* Trachea	

OBSERVATIONS

* Adrenal Cortex		Leukemia Mononuclear Vacuolization Cytoplasmic	Mild
[Leukemia Mononuclear TGLS = 2-7]			
* Adrenal Medulla	Bilateral	Leukemia Mononuclear Pheochromocytoma Benign	
* Bone Marrow		Leukemia Mononuclear	
* Brain		Leukemia Mononuclear	
* Heart		Cardiomyopathy	Mild
* Kidney		Leukemia Mononuclear Leukemia Mononuclear Nephropathy	Marked
[Nephropathy TGLS = 12-5]			
* Liver	Centrilobular	Leukemia Mononuclear Necrosis	Minimal
[Leukemia Mononuclear TGLS = 11-4]			
* Lung	Renal	Leukemia Mononuclear Leukemia Mononuclear	
Lymph Node			
[Leukemia Mononuclear TGLS = 13-17]			
* Lymph Node, Bronchial		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 2-7]			
* Lymph Node, Mandibular		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 2-7]			
* Lymph Node, Mediastinal		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 4-2]			

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05135-07

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Isoprene

CAS Number: 78-79-5

Date Report Requested: 10/22/2014

Time Report Requested: 18:27:45

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 641

TRT#: 7

SEX: Male

DAY ON TEST: 680

DOSE: 7000 PPM

DISP: Moribund Sacrifice

HISTO: 33336

ORGAN AND ACCOUNTABLE SITE STATUS

* Lymph Node, Mesenteric [Leukemia Mononuclear TGLS = 14-12+19]		Leukemia Mononuclear	
* Mammary Gland [Fibroadenoma TGLS = 3-18] [Leukemia Mononuclear TGLS = 3-18]		Fibroadenoma Leukemia Mononuclear	
Mesentery Fat [Leukemia Mononuclear TGLS = 7-16] [Necrosis TGLS = 7-16]		Leukemia Mononuclear Necrosis	Mild
* Nose		Leukemia Mononuclear	
* Pancreas [Leukemia Mononuclear TGLS = 7-16]		Leukemia Mononuclear	
* Parathyroid Gland		Hyperplasia	Moderate
* Pituitary Gland Pars Distalis		Adenoma Leukemia Mononuclear Leukemia Mononuclear	
* Spleen [Leukemia Mononuclear TGLS = 5,6-11]		Leukemia Mononuclear	
* Stomach, Glandular		Leukemia Mononuclear	
* Testes Bilateral, Interstit Cell [Adenoma TGLS = 8,9-14+13] [Leukemia Mononuclear TGLS = 8,9-14+13]		Adenoma Leukemia Mononuclear	
* Thyroid Gland C Cell		Hyperplasia	Minimal
* Urinary Bladder		Leukemia Mononuclear	

PRIMARY CAUSE OF DEATH - Spleen Leukemia Mononuclear

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05135-07

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Isoprene

CAS Number: 78-79-5

Date Report Requested: 10/22/2014

Time Report Requested: 18:27:45

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 642

TRT#: 7

SEX: Male

DAY ON TEST: 667

DOSE: 7000 PPM

DISP: Moribund Sacrifice

HISTO: 33337

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Bone	* Bone Marrow	* Brain	* Esophagus
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Larynx
* Lymph Node, Bronchial	* Lymph Node, Mandibular	* Lymph Node, Mediastinal	* Lymph Node, Mesenteric
* Parathyroid Gland	* Preputial Gland	* Prostate	* Salivary Glands
* Skin	* Thymus	* Trachea	* Urinary Bladder

MISSING

* Mammary Gland

OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Minimal
* Adrenal Medulla		Thrombosis	Mild
* Epididymis		Mesothelioma Malignant	
[Mesothelioma Malignant TGLS = 4-2]			
* Heart	Atrium	Thrombosis	Mild
* Kidney		Nephropathy	Moderate
* Liver		Eosinophilic Focus	
	Bile Duct	Hyperplasia	Minimal
		Mesothelioma Malignant	
	Centrilobular	Necrosis	Moderate
[Mesothelioma Malignant TGLS = 4-13]			
* Lung		Thrombosis	Mild
* Nose		Thrombosis	Marked
* Pancreas		Mesothelioma Malignant	
Peritoneum		Mesothelioma Malignant	
[Mesothelioma Malignant TGLS = 3-11]			
* Pituitary Gland	Pars Distalis	Hyperplasia	Moderate
* Seminal Vesicle		Mesothelioma Malignant	
* Spleen		Hematopoietic Cell Proliferation	Moderate
		Mesothelioma Malignant	
* Stomach, Forestomach		Necrosis	Moderate

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05135-07

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Isoprene

CAS Number: 78-79-5

Date Report Requested: 10/22/2014

Time Report Requested: 18:27:45

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 642

TRT#: 7

SEX: Male

DAY ON TEST: 667

DOSE: 7000 PPM

DISP: Moribund Sacrifice

HISTO: 33337

ORGAN AND ACCOUNTABLE SITE STATUS

[Necrosis TGLS = 5-8]

* Stomach, Glandular

Necrosis

Mild

[Necrosis TGLS = 5-8]

* Testes

Bilateral, Interstit Cell

Adenoma

Mesothelioma Malignant

[Adenoma TGLS = -]

[Mesothelioma Malignant TGLS = -]

* Thyroid Gland

C Cell

Hyperplasia

Mild

PRIMARY CAUSE OF DEATH

- Peritoneum Mesothelioma Malignant

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05135-07

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Isoprene

CAS Number: 78-79-5

Date Report Requested: 10/22/2014

Time Report Requested: 18:27:45

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 643

TRT#: 7

SEX: Male

DAY ON TEST: 727

DOSE: 7000 PPM

DISP: Moribund Sacrifice

HISTO: 33338

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Bone Marrow	* Brain	* Epididymis
* Esophagus	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Larynx	* Lymph Node, Mandibular	* Lymph Node, Mediastinal	* Lymph Node, Mesenteric
* Nose	* Pituitary Gland	* Prostate	* Salivary Glands
* Seminal Vesicle	* Stomach, Glandular	* Trachea	* Urinary Bladder

MISSING

* Lymph Node, Bronchial	* Thymus
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OBSERVATIONS

* Adrenal Medulla		Hyperplasia	Marked
* Bone		Fibrous Osteodystrophy	Mild
		Osteosarcoma	
	[Osteosarcoma TGLS = 9-11]		
* Heart		Cardiomyopathy	Minimal
* Kidney	Renal Tubule	Hyperplasia	Marked
		Nephropathy	Marked
	[Nephropathy TGLS = 6-5]		
* Liver	Bile Duct	Hyperplasia	Minimal
		Leukemia Mononuclear	
		Osteosarcoma	Metastatic (Bone)
	[Leukemia Mononuclear TGLS = 4,5-4+13]		
	[Osteosarcoma TGLS = 4,5-4+13]		
* Lung		Osteosarcoma	Metastatic (Bone)
* Mammary Gland		Fibroadenoma	Multiple
	[Fibroadenoma TGLS = 1-17]		
Mesentery	Fat	Necrosis	Mild
	[Necrosis TGLS = 7-16]		
* Pancreas		Atrophy	Mild
* Parathyroid Gland		Hyperplasia	Moderate
* Preputial Gland		Adenoma	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05135-07

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Isoprene

CAS Number: 78-79-5

Date Report Requested: 10/22/2014

Time Report Requested: 18:27:45

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 643

TRT#: 7

SEX: Male

DAY ON TEST: 727

DOSE: 7000 PPM

DISP: Moribund Sacrifice

HISTO: 33338

ORGAN AND ACCOUNTABLE SITE STATUS

* Skin		Lipoma	
[Lipoma TGLS = 8-18]			
* Spleen		Fibrosis	Mild
		Leukemia Mononuclear	
[Fibrosis TGLS = 2-12]			
[Leukemia Mononuclear TGLS = 2-12]			
* Stomach, Forestomach		Hyperplasia	Squamous, Minimal
		Necrosis	Minimal
[Hyperplasia TGLS = 10-15]			
* Testes	Bilateral, Interstit Cell	Adenoma	
[Adenoma TGLS = 3-7+14]			
* Thyroid Gland	C Cell	Hyperplasia	Minimal
PRIMARY CAUSE OF DEATH	- Bone	Osteosarcoma	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05135-07

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Isoprene

CAS Number: 78-79-5

Date Report Requested: 10/22/2014

Time Report Requested: 18:27:45

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 644

TRT#: 7

SEX: Male

DAY ON TEST: 733

DOSE: 7000 PPM

DISP: Terminal Sacrifice

HISTO: 33339

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Bone	* Bone Marrow	* Brain	* Epididymis
* Esophagus	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Larynx	* Lymph Node, Bronchial	* Lymph Node, Mandibular	* Lymph Node, Mediastinal
* Lymph Node, Mesenteric	* Nose	* Parathyroid Gland	* Preputial Gland
* Prostate	* Salivary Glands	* Seminal Vesicle	* Skin
* Stomach, Forestomach	* Stomach, Glandular	* Thymus	* Trachea
* Urinary Bladder			

OBSERVATIONS

* Adrenal Cortex		Hypertrophy	Mild
* Adrenal Medulla		Hyperplasia	Mild
		Pheochromocytoma Benign	
* Heart		Cardiomyopathy	Mild
* Kidney		Nephropathy	Moderate
[Nephropathy TGLS = 6-5]			
* Liver		Clear Cell Focus	
	Bile Duct	Hyperplasia	Minimal
[Clear Cell Focus TGLS = 7-4]			
* Lung		Inflammation	Chronic Active, Minimal
* Mammary Gland		Fibroadenoma	Multiple
[Fibroadenoma TGLS = 1,2,3-14+12+13]			
* Pancreas		Basophilic Focus	
		Hyperplasia	Marked
[Basophilic Focus TGLS = 1,2,3-14+12+13]			
* Pituitary Gland	Pars Distalis	Adenoma	
* Spleen		Fibrosis	Mild
[Fibrosis TGLS = 5-4]			
* Testes	Bilateral, Interstit Cell	Adenoma	
[Adenoma TGLS = 4-7]			
* Thyroid Gland	C Cell	Hyperplasia	Minimal

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05135-07

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Isoprene

CAS Number: 78-79-5

Date Report Requested: 10/22/2014

Time Report Requested: 18:27:45

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 644

TRT#: 7

SEX: Male

DAY ON TEST: 733

DOSE: 7000 PPM

DISP: Terminal Sacrifice

HISTO: 33339

ORGAN AND ACCOUNTABLE SITE STATUS

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05135-07

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Isoprene

CAS Number: 78-79-5

Date Report Requested: 10/22/2014

Time Report Requested: 18:27:45

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 645

TRT#: 7

SEX: Male

DAY ON TEST: 581

DOSE: 7000 PPM

DISP: Moribund Sacrifice

HISTO: 33340

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Bone	* Bone Marrow	* Brain	* Epididymis
* Esophagus	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Larynx	* Lymph Node, Bronchial	* Lymph Node, Mandibular	* Lymph Node, Mediastinal
* Lymph Node, Mesenteric	* Mammary Gland	* Nose	* Parathyroid Gland
* Preputial Gland	* Salivary Glands	* Seminal Vesicle	* Skin
* Thymus	* Trachea	* Urinary Bladder	

OBSERVATIONS

* Adrenal Cortex		Leukemia Mononuclear	
* Adrenal Medulla		Hyperplasia	Moderate
		Leukemia Mononuclear	
* Heart		Cardiomyopathy	Minimal
* Kidney		Leukemia Mononuclear	
		Nephropathy	Mild
* Liver		Fatty Change	Minimal
	Bile Duct	Hyperplasia	Mild
		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLS = 7-4]		
* Lung		Leukemia Mononuclear	
* Pancreas		Atrophy	Mild
* Pituitary Gland	Pars Distalis	Adenoma	
	[Adenoma TGLS = 2-8]		
* Prostate		Hyperplasia	Mild
* Spleen		Fibrosis	Mild
		Leukemia Mononuclear	
	[Fibrosis TGLS = 5,6-11]		
	[Leukemia Mononuclear TGLS = 4-11]		
* Stomach, Forestomach		Necrosis	Moderate
	[Necrosis TGLS = 9-13]		
* Stomach, Glandular		Necrosis	Mild

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05135-07
Test Type: CHRONIC
Species/Strain: Rat/F 344/N

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

Date Report Requested: 10/22/2014
Time Report Requested: 18:27:45
First Dose M/F: NA / NA
Lab: BNW

ANIMAL ID: 645	TRT#: 7 DOSE: 7000 PPM	SEX: Male DISP: Moribund Sacrifice	DAY ON TEST: 581 HISTO: 33340
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ORGAN AND ACCOUNTABLE SITE STATUS

[Necrosis TGLS = 8-12]			
* Testes	Bilateral, Interstit Cell	Adenoma	
[Adenoma TGLS = 3-7]			
* Thyroid Gland	C Cell	Hyperplasia	Minimal

PRIMARY CAUSE OF DEATH - Spleen Leukemia Mononuclear

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05135-07

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Isoprene

CAS Number: 78-79-5

Date Report Requested: 10/22/2014

Time Report Requested: 18:27:45

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 646

TRT#: 7

SEX: Male

DAY ON TEST: 667

DOSE: 7000 PPM

DISP: Moribund Sacrifice

HISTO: 33341

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Bone Marrow	* Brain	* Epididymis
* Esophagus	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Larynx	* Lymph Node, Bronchial	* Lymph Node, Mandibular	* Lymph Node, Mediastinal
* Lymph Node, Mesenteric	* Mammary Gland	* Nose	* Salivary Glands
* Seminal Vesicle	* Skin	* Spleen	* Stomach, Forestomach
* Thymus	* Thyroid Gland	* Trachea	* Urinary Bladder

OBSERVATIONS

* Adrenal Medulla	Bilateral	Pheochromocytoma Benign	
Blood Vessel	Aorta	Mineralization	Marked
* Bone		Fibrous Osteodystrophy	Marked
* Heart		Cardiomyopathy	Moderate
	Artery	Mineralization	Marked
* Kidney		Mineralization	Moderate
		Nephropathy	Marked
[Nephropathy TGLS = 3-5]			
* Liver		Fatty Change	Minimal
	Bile Duct	Hyperplasia	Minimal
Note: "Granular" appearance, noted at necropsy, was due to normal lobular and vascular pattern of liver.			
* Lung	Artery, Mediastinum	Mineralization	Moderate
		Mineralization	Marked
[Mineralization TGLS = 1-3+3A]			
Mesentery	Artery	Mineralization	Moderate
* Pancreas		Atrophy	Minimal
* Parathyroid Gland		Hyperplasia	Marked
* Pituitary Gland	Pars Distalis	Adenoma	
	Pars Intermed	Hyperplasia	Marked
* Preputial Gland		Inflammation	Chronic Active, Mild
* Prostate		Hyperplasia	Mild
* Stomach, Glandular		Mineralization	Marked

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05135-07
Test Type: CHRONIC
Species/Strain: Rat/F 344/N

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

Date Report Requested: 10/22/2014
Time Report Requested: 18:27:45
First Dose M/F: NA / NA
Lab: BNW

ANIMAL ID: 646

TRT#: 7

SEX: Male

DAY ON TEST: 667

DOSE: 7000 PPM

DISP: Moribund Sacrifice

HISTO: 33341

ORGAN AND ACCOUNTABLE SITE STATUS

* Testes

Bilateral, Interstit Cell

Adenoma

[Adenoma TGLS = 2-7]

PRIMARY CAUSE OF DEATH

- Kidney Nephropathy

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05135-07

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Isoprene

CAS Number: 78-79-5

Date Report Requested: 10/22/2014

Time Report Requested: 18:27:45

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 647

TRT#: 7

SEX: Male

DAY ON TEST: 721

DOSE: 7000 PPM

DISP: Moribund Sacrifice

HISTO: 33342

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Bone Marrow	* Brain	* Epididymis
* Esophagus	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Larynx
* Lymph Node, Bronchial	* Lymph Node, Mandibular	* Lymph Node, Mediastinal	* Lymph Node, Mesenteric
* Nose	* Pancreas	* Preputial Gland	* Prostate
* Salivary Glands	* Seminal Vesicle	* Skin	* Spleen
* Thymus	* Trachea	* Urinary Bladder	

OBSERVATIONS

* Adrenal Medulla		Pheochromocytoma Benign	
* Bone		Fibrous Osteodystrophy	Mild
* Heart		Cardiomyopathy	Marked
	Artery	Mineralization	Moderate
* Intestine Small, Duodenum		Inflammation	Acute, Mild
* Kidney	Renal Tubule	Hyperplasia	Marked
		Nephropathy	Marked
	[Nephropathy TGLS = 4-5]		
* Liver		Basophilic Focus	
		Clear Cell Focus	
		Degeneration	Cystic, Mild
	[Basophilic Focus TGLS = 4-5]		
	[Clear Cell Focus TGLS = 5-11]		
* Lung		Inflammation	Chronic Active, Minimal
* Mammary Gland		Fibroadenoma	
	[Fibroadenoma TGLS = 2-12]		
* Parathyroid Gland		Hyperplasia	Mild
* Pituitary Gland	Pars Distalis	Adenoma	
* Stomach, Forestomach		Necrosis	Mild
* Stomach, Glandular		Mineralization	Mild
		Necrosis	Mild
* Testes	Bilateral, Interstit Cell	Adenoma	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05135-07
Test Type: CHRONIC
Species/Strain: Rat/F 344/N

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

Date Report Requested: 10/22/2014
Time Report Requested: 18:27:45
First Dose M/F: NA / NA
Lab: BNW

ANIMAL ID: 647

TRT#: 7

SEX: Male

DAY ON TEST: 721

DOSE: 7000 PPM

DISP: Moribund Sacrifice

HISTO: 33342

ORGAN AND ACCOUNTABLE SITE STATUS

[Adenoma TGLS = 3-7]

* Thyroid Gland

C Cell

Hyperplasia

Minimal

PRIMARY CAUSE OF DEATH

- Liver Basophilic Focus

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05135-07

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Isoprene

CAS Number: 78-79-5

Date Report Requested: 10/22/2014

Time Report Requested: 18:27:45

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 648

TRT#: 7

SEX: Male

DAY ON TEST: 560

DOSE: 7000 PPM

DISP: Moribund Sacrifice

HISTO: 33343

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

* Heart		Cardiomyopathy	Mild
* Kidney		Nephropathy	Mild
* Liver		Hepatodiaphragmatic Nodule	
	[Hepatodiaphragmatic Nodule TGLS = 3-4]		
* Lung		Inflammation	Chronic Active, Minimal
* Pituitary Gland	Pars Distalis	Adenoma	
	[Adenoma TGLS = 2-8]		
* Prostate		Hyperplasia	Minimal
* Testes	Bilateral, Interstit Cell	Adenoma	
* Thyroid Gland	C Cell	Hyperplasia	Moderate

PRIMARY CAUSE OF DEATH - Pituitary Gland Pars Distalis Adenoma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05135-07

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Isoprene

CAS Number: 78-79-5

Date Report Requested: 10/22/2014

Time Report Requested: 18:27:45

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 649

TRT#: 7

SEX: Male

DAY ON TEST: 664

DOSE: 7000 PPM

DISP: Moribund Sacrifice

HISTO: 33344

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Bone	* Bone Marrow	* Brain	* Epididymis
* Esophagus	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Larynx	Lymph Node	* Lymph Node, Bronchial	* Lymph Node, Mandibular
* Lymph Node, Mesenteric	* Parathyroid Gland	* Preputial Gland	* Prostate
* Salivary Glands	* Seminal Vesicle	* Skin	* Stomach, Glandular
* Thyroid Gland	* Trachea	* Urinary Bladder	

MISSING

* Lymph Node, Mediastinal	* Thymus
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OBSERVATIONS

* Adrenal Cortex		Leukemia Mononuclear Vacuolization Cytoplasmic	Mild
[Leukemia Mononuclear TGLS = 3-7]			
* Adrenal Medulla		Leukemia Mononuclear Pheochromocytoma Benign	
* Heart		Leukemia Mononuclear	
* Kidney		Leukemia Mononuclear Nephropathy	Marked
[Nephropathy TGLS = 6-5]			
* Liver		Degeneration	Cystic, Minimal
	Bile Duct	Hyperplasia	Moderate
		Leukemia Mononuclear	
	Centrilobular	Necrosis	Mild
		Regeneration	Marked
[Leukemia Mononuclear TGLS = 7-4]			
* Lung		Leukemia Mononuclear	
* Mammary Gland		Fibroadenoma	Multiple
[Fibroadenoma TGLS = 1,2-13+14]			
* Nose		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 3-7]			

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05135-07

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Isoprene

CAS Number: 78-79-5

Date Report Requested: 10/22/2014

Time Report Requested: 18:27:45

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 649

TRT#: 7

SEX: Male

DAY ON TEST: 664

DOSE: 7000 PPM

DISP: Moribund Sacrifice

HISTO: 33344

ORGAN AND ACCOUNTABLE SITE STATUS

* Pancreas		Hyperplasia	Mild
* Pituitary Gland	Pars Distalis	Hyperplasia	Moderate
		Leukemia Mononuclear	
* Spleen		Fibrosis	Mild
		Leukemia Mononuclear	
	[Fibrosis TGLS = 8-11]		
	[Leukemia Mononuclear TGLS = 5-11]		
* Stomach, Forestomach		Necrosis	Moderate
	[Necrosis TGLS = 9-12]		
* Testes	Bilateral, Interstit Cell	Adenoma	
	[Adenoma TGLS = 3-7]		

PRIMARY CAUSE OF DEATH - Spleen Leukemia Mononuclear

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05135-07

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Isoprene

CAS Number: 78-79-5

Date Report Requested: 10/22/2014

Time Report Requested: 18:27:45

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 650

TRT#: 7

SEX: Male

DAY ON TEST: 691

DOSE: 7000 PPM

DISP: Moribund Sacrifice

HISTO: 33345

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Bone	* Bone Marrow	* Brain	* Epididymis
* Esophagus	* Heart	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Larynx	* Lymph Node, Bronchial	* Lymph Node, Mediastinal
* Lymph Node, Mesenteric	* Mammary Gland	* Nose	* Parathyroid Gland
* Preputial Gland	* Salivary Glands	* Seminal Vesicle	* Stomach, Glandular
* Thymus	* Trachea	* Urinary Bladder	

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Minimal
* Adrenal Medulla		Pheochromocytoma Benign	
* Kidney		Nephropathy	Marked
[Nephropathy TGLS = 8-5]			
* Liver		Degeneration	Cystic, Minimal
		Fatty Change	Mild
* Lung		Inflammation	Chronic Active, Minimal
* Pancreas		Atrophy	Mild
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 3-8]			
* Prostate		Hyperplasia	Mild
* Skin		Keratoacanthoma	
[Keratoacanthoma TGLS = 1-11]			
* Spleen		Depletion Cellular	Moderate
[Depletion Cellular TGLS = 6,7-4]			
* Stomach, Forestomach		Necrosis	Moderate
* Testes	Bilateral, Interstit Cell	Adenoma	
[Adenoma TGLS = 4,5-7]			
* Thyroid Gland	C Cell	Hyperplasia	Minimal

PRIMARY CAUSE OF DEATH

- Pituitary Gland Pars Distalis Adenoma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05135-07

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Isoprene

CAS Number: 78-79-5

Date Report Requested: 10/22/2014

Time Report Requested: 18:27:45

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 650

TRT#: 7

SEX: Male

DAY ON TEST: 691

DOSE: 7000 PPM

DISP: Moribund Sacrifice

HISTO: 33345

ORGAN AND ACCOUNTABLE SITE STATUS

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05135-07

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Isoprene

CAS Number: 78-79-5

Date Report Requested: 10/22/2014

Time Report Requested: 18:27:45

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 101

TRT#: 2

SEX: Female

DAY ON TEST: 630

DOSE: CONTROL

DISP: Natural Death

HISTO: 33246

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Bone Marrow	* Brain
* Clitoral Gland	* Esophagus	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Larynx	* Lung	* Lymph Node, Bronchial
* Lymph Node, Mandibular	* Lymph Node, Mediastinal	* Lymph Node, Mesenteric	* Pancreas
* Parathyroid Gland	* Salivary Glands	* Skin	* Stomach, Forestomach
* Stomach, Glandular	* Thymus	* Trachea	* Urinary Bladder
* Uterus			

AUTO PRECLUDES DIAG.

* Thyroid Gland

OBSERVATIONS

* Adrenal Cortex		Vacuolization Cytoplasmic	Mild
* Heart		Cardiomyopathy	Mild
* Kidney		Nephropathy	Mild
* Liver		Basophilic Focus	
* Mammary Gland		Fibroadenoma	Multiple
[Fibroadenoma TGLS = 1,5-11+14]			
Mesentery	Fat	Necrosis	Mild
[Necrosis TGLS = 6-12]			
* Nose		Inflammation	Suppurative, Mild
* Ovary		Cyst	Moderate
[Cyst TGLS = 3-7]			
* Pituitary Gland	Pars Distalis	Hyperplasia	Moderate
* Spleen		Sarcoma	
[Sarcoma TGLS = 4-13]			

PRIMARY CAUSE OF DEATH

- Spleen Sarcoma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05135-07

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Isoprene

CAS Number: 78-79-5

Date Report Requested: 10/22/2014

Time Report Requested: 18:27:45

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 102

TRT#: 2

SEX: Female

DAY ON TEST: 684

DOSE: CONTROL

DISP: Natural Death

HISTO: 33247

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Bone Marrow	* Brain
* Clitoral Gland	* Esophagus	* Intestine Large, Colon	* Intestine Large, Rectum
* Islets, Pancreatic	* Larynx	* Lymph Node, Bronchial	* Lymph Node, Mesenteric
* Mammary Gland	* Nose	* Ovary	* Pancreas
* Parathyroid Gland	* Salivary Glands	* Skin	* Spleen
* Stomach, Forestomach	* Stomach, Glandular	* Thymus	* Thyroid Gland
* Trachea	* Urinary Bladder		

MISSING

* Lymph Node, Mandibular	* Lymph Node, Mediastinal
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AUTO PRECLUDES DIAG.

* Intestine Large, Cecum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
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OBSERVATIONS

* Adrenal Cortex		Vacuolization Cytoplasmic	Mild
* Heart		Cardiomyopathy	Minimal
* Kidney		Nephropathy	Moderate
* Liver		Basophilic Focus	
* Lung	Alveolar Epith	Hyperplasia	Minimal
* Pituitary Gland	Pars Distalis	Adenoma	
	[Adenoma TGLS = 1-8]		
* Uterus		Polyp Stromal	
	[Polyp Stromal TGLS = 2-8]		

PRIMARY CAUSE OF DEATH

- Pituitary Gland Pars Distalis Adenoma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05135-07

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Isoprene

CAS Number: 78-79-5

Date Report Requested: 10/22/2014

Time Report Requested: 18:27:45

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 103

TRT#: 2

SEX: Female

DAY ON TEST: 734

DOSE: CONTROL

DISP: Terminal Sacrifice

HISTO: 33248

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Brain	* Clitoral Gland	* Esophagus	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Larynx	* Lymph Node, Bronchial
* Lymph Node, Mandibular	* Lymph Node, Mediastinal	* Lymph Node, Mesenteric	* Nose
* Ovary	* Parathyroid Gland	* Pituitary Gland	* Salivary Glands
* Skin	* Spleen	* Stomach, Forestomach	* Stomach, Glandular
* Thymus	* Trachea	* Urinary Bladder	* Uterus

OBSERVATIONS

* Heart		Cardiomyopathy	Mild
* Kidney		Nephropathy	Mild
* Liver		Basophilic Focus	
* Lung		Inflammation	Chronic Active, Mild
* Mammary Gland		Fibroadenoma	
[Fibroadenoma TGLS = 2-12]			
* Pancreas		Atrophy	Mild
* Skin			
Note: "Nodule, 1mm dia, pale", noted at necropsy, was normal mammary tissue.			
* Thyroid Gland	C Cell	Hyperplasia	Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05135-07

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Isoprene

CAS Number: 78-79-5

Date Report Requested: 10/22/2014

Time Report Requested: 18:27:45

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 104

TRT#: 2

SEX: Female

DAY ON TEST: 735

DOSE: CONTROL

DISP: Terminal Sacrifice

HISTO: 33249

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Brain	* Clitoral Gland	* Esophagus	* Heart
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Larynx
* Lymph Node, Bronchial	* Lymph Node, Mandibular	* Lymph Node, Mediastinal	* Lymph Node, Mesenteric
* Nose	* Ovary	* Parathyroid Gland	* Pituitary Gland
* Salivary Glands	* Skin	* Spleen	* Stomach, Forestomach
* Stomach, Glandular	* Thymus	* Trachea	* Urinary Bladder
* Uterus			

OBSERVATIONS

* Kidney [Nephropathy TGLS = 3-5]		Nephropathy	Minimal
* Liver [Basophilic Focus TGLS = 4-4]		Basophilic Focus	
* Lung		Inflammation	Chronic Active, Moderate
* Mammary Gland [Fibroadenoma TGLS = 1,2-11+12]		Fibroadenoma	Multiple
Mesentery [Necrosis TGLS = 5-13]	Fat	Necrosis	Moderate
* Pancreas		Atrophy	Mild
* Thyroid Gland	C Cell	Adenoma	

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05135-07

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Isoprene

CAS Number: 78-79-5

Date Report Requested: 10/22/2014

Time Report Requested: 18:27:45

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 105

TRT#: 2

SEX: Female

DAY ON TEST: 735

DOSE: CONTROL

DISP: Terminal Sacrifice

HISTO: 33250

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Bone Marrow	* Brain
* Clitoral Gland	* Esophagus	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Larynx	* Lymph Node, Bronchial	* Lymph Node, Mandibular
* Lymph Node, Mediastinal	* Lymph Node, Mesenteric	* Mammary Gland	* Nose
* Ovary	* Parathyroid Gland	* Salivary Glands	* Skin
* Stomach, Forestomach	* Stomach, Glandular	* Thymus	* Trachea
* Urinary Bladder			

OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Mild
* Heart		Cardiomyopathy	Minimal
* Kidney		Nephropathy	Mild
* Liver		Basophilic Focus	
		Clear Cell Focus	
		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 2-4]			
* Lung		Inflammation	Chronic Active, Moderate
* Pancreas		Atrophy	Moderate
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 1-8]			
* Spleen		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 1-8]			
* Thyroid Gland	C Cell	Hyperplasia	Minimal
* Uterus		Polyp Stromal	
[Polyp Stromal TGLS = 3-8]			

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05135-07

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Isoprene

CAS Number: 78-79-5

Date Report Requested: 10/22/2014

Time Report Requested: 18:27:45

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 106

TRT#: 2

SEX: Female

DAY ON TEST: 735

DOSE: CONTROL

DISP: Terminal Sacrifice

HISTO: 33251

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Bone Marrow	* Brain
* Esophagus	* Heart	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Larynx	* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Mammary Gland
* Parathyroid Gland	* Salivary Glands	* Skin	* Spleen
* Stomach, Forestomach	* Stomach, Glandular	* Thymus	* Trachea
* Urinary Bladder	* Uterus		

MISSING

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

* Adrenal Cortex		Hyperplasia	Mild
		Hypertrophy	Mild
* Islets, Pancreatic		Hyperplasia	Mild
* Kidney		Nephropathy	Mild
* Liver		Basophilic Focus	
* Lung		Inflammation	Chronic Active, Mild
* Nose		Inflammation	Suppurative, Minimal
* Ovary		Cyst	Moderate
[Cyst TGLS = 1-11]			
* Pancreas		Atrophy	Minimal
* Pituitary Gland	Pars Distalis	Adenoma	
* Thyroid Gland	C Cell	Hyperplasia	Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05135-07

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Isoprene

CAS Number: 78-79-5

Date Report Requested: 10/22/2014

Time Report Requested: 18:27:45

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 107

TRT#: 2

SEX: Female

DAY ON TEST: 735

DOSE: CONTROL

DISP: Terminal Sacrifice

HISTO: 33252

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Brain	* Clitoral Gland	* Esophagus	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Larynx	* Lymph Node, Bronchial
* Lymph Node, Mandibular	* Lymph Node, Mediastinal	* Lymph Node, Mesenteric	* Ovary
* Pancreas	* Parathyroid Gland	* Salivary Glands	* Skin
* Spleen	* Stomach, Forestomach	* Stomach, Glandular	* Thymus
* Trachea	* Urinary Bladder	* Uterus	

OBSERVATIONS

* Heart		Cardiomyopathy	Minimal
* Kidney		Nephropathy	Mild
* Liver		Basophilic Focus	
* Lung		Inflammation	Chronic Active, Minimal
* Mammary Gland		Carcinoma	
[Carcinoma TGLS = 3-12]			
Mesentery	Fat	Necrosis	Mild
[Necrosis TGLS = 2-11]			
* Nose		Inflammation	Suppurative, Mild
	Olfactory Epi	Metaplasia	Minimal
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 1-8]			
* Thyroid Gland	C Cell	Hyperplasia	Mild

PRIMARY CAUSE OF DEATH

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* PROTOCOL REQUIRED TISSUE

Experiment Number: 05135-07

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Isoprene

CAS Number: 78-79-5

Date Report Requested: 10/22/2014

Time Report Requested: 18:27:45

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 108

TRT#: 2

SEX: Female

DAY ON TEST: 596

DOSE: CONTROL

DISP: Moribund Sacrifice

HISTO: 33253

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Bone Marrow	* Brain
* Esophagus	* Heart	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Larynx	* Lung	* Lymph Node, Bronchial
* Lymph Node, Mandibular	* Lymph Node, Mediastinal	* Lymph Node, Mesenteric	* Nose
* Ovary	* Pancreas	* Parathyroid Gland	* Salivary Glands
* Skin	* Spleen	* Stomach, Forestomach	* Stomach, Glandular
* Thymus	* Thyroid Gland	* Trachea	* Urinary Bladder
* Uterus			

OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Mild
* Clitoral Gland		Adenoma	
* Kidney		Cyst	Minimal
		Nephropathy	Mild
	[Cyst TGLS = 6-5]		
* Liver		Mixed Cell Focus	
	[Mixed Cell Focus TGLS = 4,5-4+11]		
* Mammary Gland		Fibroadenoma	
		Hyperplasia	Mild
	[Fibroadenoma TGLS = 2-12]		
* Pituitary Gland	Pars Distalis	Adenoma	
	[Adenoma TGLS = 3-8]		

PRIMARY CAUSE OF DEATH

- Pituitary Gland Pars Distalis Adenoma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05135-07

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Isoprene

CAS Number: 78-79-5

Date Report Requested: 10/22/2014

Time Report Requested: 18:27:45

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 109

TRT#: 2

SEX: Female

DAY ON TEST: 482

DOSE: CONTROL

DISP: Moribund Sacrifice

HISTO: 33254

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Brain	* Clitoral Gland	* Esophagus	* Heart
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Larynx
* Lung	* Lymph Node, Bronchial	* Lymph Node, Mandibular	* Lymph Node, Mediastinal
* Lymph Node, Mesenteric	* Mammary Gland	* Nose	* Ovary
* Parathyroid Gland	* Salivary Glands	* Stomach, Forestomach	* Stomach, Glandular
* Thymus	* Trachea	* Urinary Bladder	* Uterus

OBSERVATIONS

* Kidney		Nephropathy	Minimal
* Liver		Fatty Change	Mild
* Pancreas		Atrophy	Mild
* Pituitary Gland	Pars Distalis	Hyperplasia	Mild
* Skin	Subcut Tiss	Sarcoma	
[Sarcoma TGLS = 1-11+12]			
* Spleen		Hematopoietic Cell Proliferation	Moderate
* Thyroid Gland	C Cell	Hyperplasia	Mild

PRIMARY CAUSE OF DEATH

- Skin Subcut Tiss Sarcoma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05135-07

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Isoprene

CAS Number: 78-79-5

Date Report Requested: 10/22/2014

Time Report Requested: 18:27:45

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 110

TRT#: 2

SEX: Female

DAY ON TEST: 734

DOSE: CONTROL

DISP: Terminal Sacrifice

HISTO: 33255

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Bone Marrow	* Brain
* Clitoral Gland	* Esophagus	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Larynx	* Lymph Node, Bronchial	* Lymph Node, Mandibular
* Lymph Node, Mediastinal	* Lymph Node, Mesenteric	* Mammary Gland	* Nose
* Ovary	* Pancreas	* Parathyroid Gland	* Salivary Glands
* Skin	* Stomach, Forestomach	* Stomach, Glandular	* Thymus
* Trachea	* Urinary Bladder	* Uterus	

OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Mild
		Vacuolization Cytoplasmic	Mild
* Heart		Cardiomyopathy	Minimal
* Kidney		Nephropathy	Mild
* Liver		Basophilic Focus	
		Leukemia Mononuclear	
* Lung		Inflammation	Chronic Active, Mild
		Leukemia Mononuclear	
Mesentery	Fat	Necrosis	Mild
[Necrosis TGLS = 3-12]			
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 2-8]			
* Skin			
Note: "Nodule, 2mm dia, pale", noted at necropsy, was normal tactile hair follicle.			
* Spleen		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 2-8]			
* Thyroid Gland	C Cell	Hyperplasia	Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05135-07

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Isoprene

CAS Number: 78-79-5

Date Report Requested: 10/22/2014

Time Report Requested: 18:27:45

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 111

TRT#: 2

SEX: Female

DAY ON TEST: 734

DOSE: CONTROL

DISP: Terminal Sacrifice

HISTO: 33256

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Bone Marrow	* Brain
* Clitoral Gland	* Esophagus	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Larynx	* Lymph Node, Bronchial	* Lymph Node, Mandibular
* Lymph Node, Mediastinal	* Lymph Node, Mesenteric	* Nose	* Ovary
* Pancreas	* Parathyroid Gland	* Salivary Glands	* Spleen
* Stomach, Forestomach	* Stomach, Glandular	* Thymus	* Trachea
* Urinary Bladder	* Uterus		

OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Mild
* Heart		Cardiomyopathy	Mild
* Kidney		Nephropathy	Minimal
* Liver		Basophilic Focus	
* Lung		Alveolar/Bronchiolar Adenoma	
		Inflammation	Chronic Active, Mild
* Mammary Gland		Fibroadenoma	Multiple
	[Fibroadenoma TGLS = 1,2,3-12+13+15+14]		
* Pituitary Gland	Pars Distalis	Adenoma	
	[Adenoma TGLS = 4-8]		
* Skin		Cyst Epithelial Inclusion	
	[Cyst Epithelial Inclusion TGLS = 5-7+11]		
* Thyroid Gland	C Cell	Hyperplasia	Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05135-07

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Isoprene

CAS Number: 78-79-5

Date Report Requested: 10/22/2014

Time Report Requested: 18:27:45

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 112

TRT#: 2

SEX: Female

DAY ON TEST: 734

DOSE: CONTROL

DISP: Terminal Sacrifice

HISTO: 33257

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone Marrow	* Brain	* Clitoral Gland
* Esophagus	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Larynx	* Liver	* Lymph Node, Bronchial	* Lymph Node, Mandibular
* Lymph Node, Mediastinal	* Lymph Node, Mesenteric	* Mammary Gland	* Nose
* Ovary	* Parathyroid Gland	* Salivary Glands	* Skin
* Spleen	* Stomach, Forestomach	* Stomach, Glandular	* Thymus
* Trachea	* Urinary Bladder	* Uterus	

OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Mild
		Hypertrophy	Mild
* Bone		Hyperostosis	Moderate
* Heart		Cardiomyopathy	Minimal
* Kidney		Nephropathy	Mild
* Lung		Inflammation	Chronic Active, Mild
* Pancreas		Atrophy	Mild
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 1-8]			
* Thyroid Gland	C Cell	Hyperplasia	Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05135-07

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Isoprene

CAS Number: 78-79-5

Date Report Requested: 10/22/2014

Time Report Requested: 18:27:45

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 113

TRT#: 2

SEX: Female

DAY ON TEST: 736

DOSE: CONTROL

DISP: Terminal Sacrifice

HISTO: 33258

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Bone	* Bone Marrow	* Brain	* Clitoral Gland
* Esophagus	* Heart	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Larynx	* Lymph Node, Bronchial	* Lymph Node, Mandibular
* Lymph Node, Mediastinal	* Lymph Node, Mesenteric	* Mammary Gland	* Nose
* Ovary	* Parathyroid Gland	* Salivary Glands	* Skin
* Spleen	* Stomach, Forestomach	* Stomach, Glandular	* Thymus
* Trachea	* Urinary Bladder	* Uterus	

OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Mild
* Adrenal Medulla		Pheochromocytoma Benign	
Eye	Retina	Atrophy	Moderate
		Cataract	Mild
	[Cataract TGLS = 1-12]		
* Kidney		Nephropathy	Mild
* Liver		Hepatodiaphragmatic Nodule	
	[Hepatodiaphragmatic Nodule TGLS = 3-11]		
* Lung		Inflammation	Chronic Active, Mild
* Pancreas		Atrophy	Mild
* Pituitary Gland	Pars Distalis	Adenoma	
	[Adenoma TGLS = 2-8]		
* Thyroid Gland	C Cell	Carcinoma	

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05135-07

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Isoprene

CAS Number: 78-79-5

Date Report Requested: 10/22/2014

Time Report Requested: 18:27:45

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 114

TRT#: 2

SEX: Female

DAY ON TEST: 735

DOSE: CONTROL

DISP: Terminal Sacrifice

HISTO: 33259

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Bone Marrow	* Brain
* Clitoral Gland	* Esophagus	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Larynx	* Liver	* Lymph Node, Bronchial
* Lymph Node, Mandibular	* Lymph Node, Mediastinal	* Lymph Node, Mesenteric	* Mammary Gland
* Nose	* Ovary	* Pancreas	* Parathyroid Gland
* Salivary Glands	* Skin	* Spleen	* Stomach, Forestomach
* Stomach, Glandular	* Thymus	* Trachea	* Urinary Bladder
* Uterus			

OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Mild
* Heart		Cardiomyopathy	Minimal
* Kidney		Nephropathy	Mild
* Lung	Alveolar Epith	Hyperplasia	Minimal
		Inflammation	Chronic Active, Mild
* Pituitary Gland	Pars Distalis	Hyperplasia	Mild
* Thyroid Gland	C Cell	Hyperplasia	Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05135-07

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Isoprene

CAS Number: 78-79-5

Date Report Requested: 10/22/2014

Time Report Requested: 18:27:45

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 115

TRT#: 2

SEX: Female

DAY ON TEST: 552

DOSE: CONTROL

DISP: Moribund Sacrifice

HISTO: 33260

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Esophagus	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Larynx	* Lung	* Lymph Node, Mandibular	* Lymph Node, Mediastinal
* Lymph Node, Mesenteric	* Mammary Gland	* Nose	* Pancreas
* Parathyroid Gland	* Salivary Glands	* Skin	* Spleen
* Thymus	* Trachea	* Urinary Bladder	* Uterus

MISSING

* Clitoral Gland	* Lymph Node, Bronchial
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OBSERVATIONS

* Brain		Carcinoma	Metastatic (Pituitary Gland)
* Heart		Cardiomyopathy	Mild
* Kidney		Nephropathy	Minimal
* Liver		Basophilic Focus	
		Fatty Change	Mild
		Mixed Cell Focus	
	[Fatty Change TGLS = 6-11]		
	[Mixed Cell Focus TGLS = 5-12]		
* Ovary		Granulosa Cell Tumor Malignant	
	[Granulosa Cell Tumor Malignant TGLS = 4-7]		
* Pituitary Gland	Pars Distalis	Carcinoma	
	[Carcinoma TGLS = 2-8]		
* Stomach, Forestomach		Necrosis	Mild
	[Necrosis TGLS = 7-14]		
* Stomach, Glandular		Necrosis	Mild
	[Necrosis TGLS = 8-15]		
* Thyroid Gland	C Cell	Hyperplasia	Minimal

PRIMARY CAUSE OF DEATH - Pituitary Gland Pars Distalis Carcinoma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05135-07

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Isoprene

CAS Number: 78-79-5

Date Report Requested: 10/22/2014

Time Report Requested: 18:27:45

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 116

TRT#: 2

SEX: Female

DAY ON TEST: 736

DOSE: CONTROL

DISP: Terminal Sacrifice

HISTO: 33261

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Bone	* Bone Marrow	* Brain	* Esophagus
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Larynx
* Lymph Node, Bronchial	* Lymph Node, Mandibular	* Lymph Node, Mediastinal	* Lymph Node, Mesenteric
* Nose	* Ovary	* Pancreas	* Parathyroid Gland
* Salivary Glands	* Spleen	* Stomach, Forestomach	* Stomach, Glandular
* Thymus	* Trachea	* Urinary Bladder	* Uterus

MISSING

* Clitoral Gland

OBSERVATIONS

* Adrenal Cortex		Hypertrophy	Mild
* Adrenal Medulla		Hyperplasia	Mild
* Heart		Cardiomyopathy	Minimal
* Kidney		Nephropathy	Mild
* Liver		Basophilic Focus	
* Lung		Inflammation	Chronic Active, Mild
* Mammary Gland		Fibroadenoma	Multiple
[Fibroadenoma TGLS = 2,3-11+12]			
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 4-8]			
* Skin		Inflammation	Chronic Active, Minimal
[Inflammation TGLS = 1-13]			
* Thyroid Gland	C Cell	Hyperplasia	Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05135-07

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Isoprene

CAS Number: 78-79-5

Date Report Requested: 10/22/2014

Time Report Requested: 18:27:45

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 117

TRT#: 2

SEX: Female

DAY ON TEST: 734

DOSE: CONTROL

DISP: Terminal Sacrifice

HISTO: 33262

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Brain	* Clitoral Gland	* Esophagus	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Larynx	* Lymph Node, Bronchial	* Lymph Node, Mandibular
* Lymph Node, Mediastinal	* Lymph Node, Mesenteric	* Nose	* Ovary
* Pancreas	* Parathyroid Gland	* Salivary Glands	* Skin
* Spleen	* Stomach, Forestomach	* Stomach, Glandular	* Thymus
* Trachea	* Urinary Bladder	* Uterus	

OBSERVATIONS

* Heart		Cardiomyopathy	Mild
* Islets, Pancreatic		Adenoma	
* Kidney		Nephropathy	Mild
* Liver		Basophilic Focus	
* Lung		Inflammation	Chronic Active, Moderate
* Mammary Gland		Carcinoma	
		Fibroadenoma	Multiple
[Carcinoma TGLS = 1-12]			
[Fibroadenoma TGLS = 2,4-13+11]			
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 3-8]			
* Thyroid Gland	C Cell	Hyperplasia	Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05135-07

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Isoprene

CAS Number: 78-79-5

Date Report Requested: 10/22/2014

Time Report Requested: 18:27:45

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 118

TRT#: 2

SEX: Female

DAY ON TEST: 735

DOSE: CONTROL

DISP: Terminal Sacrifice

HISTO: 33263

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Bone Marrow	* Brain
* Clitoral Gland	* Esophagus	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Larynx	* Lymph Node, Bronchial	* Lymph Node, Mandibular
* Lymph Node, Mediastinal	* Lymph Node, Mesenteric	* Nose	* Ovary
* Pancreas	* Parathyroid Gland	* Salivary Glands	* Skin
* Spleen	* Stomach, Forestomach	* Stomach, Glandular	* Thymus
* Trachea	* Urinary Bladder	* Uterus	

OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Mild
* Heart		Cardiomyopathy	Minimal
* Kidney		Nephropathy	Mild
[Nephropathy TGLS = 4-5]			
* Liver		Basophilic Focus	
[Basophilic Focus TGLS = 4-5]			
* Lung		Inflammation	Chronic Active, Moderate
* Mammary Gland		Carcinoma	
[Carcinoma TGLS = 3-12]		Fibroadenoma	
[Fibroadenoma TGLS = 1-11]			
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 2-8]			
* Thyroid Gland	C Cell	Hyperplasia	Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05135-07

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Isoprene

CAS Number: 78-79-5

Date Report Requested: 10/22/2014

Time Report Requested: 18:27:45

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 119

TRT#: 2

SEX: Female

DAY ON TEST: 734

DOSE: CONTROL

DISP: Terminal Sacrifice

HISTO: 33264

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone Marrow	* Brain	* Clitoral Gland
* Esophagus	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Larynx	* Lymph Node, Bronchial	* Lymph Node, Mandibular	* Lymph Node, Mediastinal
* Lymph Node, Mesenteric	* Nose	* Ovary	* Parathyroid Gland
* Salivary Glands	* Skin	* Spleen	* Stomach, Forestomach
* Stomach, Glandular	* Thymus	* Trachea	* Urinary Bladder

OBSERVATIONS

* Adrenal Cortex		Vacuolization Cytoplasmic	Mild
* Bone		Hyperostosis	Mild
Eye	Retina	Atrophy	Moderate
		Cataract	Marked
	[Cataract TGLS = 3-11]		
* Heart		Cardiomyopathy	Mild
* Kidney		Nephropathy	Mild
* Liver		Basophilic Focus	
		Eosinophilic Focus	
		Mixed Cell Focus	
	[Mixed Cell Focus TGLS = 6-12]		
* Lung	Alveolar Epith	Hyperplasia	Minimal
		Inflammation	Chronic Active, Mild
* Mammary Gland		Fibroadenoma	
	[Fibroadenoma TGLS = 5-13]		
* Pancreas		Atrophy	Mild
* Pituitary Gland	Pars Distalis	Hyperplasia	Mild
	[Hyperplasia TGLS = 4-8]		
* Thyroid Gland	C Cell	Hyperplasia	Minimal
* Uterus		Polyp Stromal	

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05135-07

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Isoprene

CAS Number: 78-79-5

Date Report Requested: 10/22/2014

Time Report Requested: 18:27:45

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 120

TRT#: 2

SEX: Female

DAY ON TEST: 734

DOSE: CONTROL

DISP: Terminal Sacrifice

HISTO: 33265

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- | | | | |
|--------------------------|----------------------------|---------------------------|-----------------------------|
| * Bone | * Bone Marrow | * Brain | * Esophagus |
| * Intestine Large, Cecum | * Intestine Large, Colon | * Intestine Large, Rectum | * Intestine Small, Duodenum |
| * Intestine Small, Ileum | * Intestine Small, Jejunum | * Islets, Pancreatic | * Larynx |
| * Lymph Node, Bronchial | * Lymph Node, Mandibular | * Lymph Node, Mediastinal | * Lymph Node, Mesenteric |
| * Mammary Gland | * Nose | * Ovary | * Pancreas |
| * Parathyroid Gland | * Salivary Glands | * Spleen | * Stomach, Forestomach |
| * Stomach, Glandular | * Thymus | * Trachea | * Urinary Bladder |
| * Uterus | | | |

OBSERVATIONS

- | | | | |
|-------------------|---|----------------------------|----------------------|
| * Adrenal Cortex | | Hypertrophy | Mild |
| * Adrenal Medulla | | Pheochromocytoma Malignant | |
| * Clitoral Gland | | Hyperplasia | Moderate |
| * Heart | | Cardiomyopathy | Mild |
| * Kidney | | Nephropathy | Mild |
| * Liver | | Basophilic Focus | |
| * Lung | | Inflammation | Chronic Active, Mild |
| * Pituitary Gland | Pars Distalis | Adenoma | |
| | [Adenoma TGLS = 2-8] | | |
| * Skin | | Squamous Cell Papilloma | |
| | [Squamous Cell Papilloma TGLS = 1-11] | | |
| * Thyroid Gland | C Cell | Hyperplasia | Minimal |

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05135-07

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Isoprene

CAS Number: 78-79-5

Date Report Requested: 10/22/2014

Time Report Requested: 18:27:45

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 121

TRT#: 2

SEX: Female

DAY ON TEST: 454

DOSE: CONTROL

DISP: Moribund Sacrifice

HISTO: 33266

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Brain	* Clitoral Gland	* Esophagus	* 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	* Mammary Gland	* Nose	* Ovary
* Pancreas	* Parathyroid Gland	* Salivary Glands	* Skin
* Stomach, Forestomach	* Stomach, Glandular	* Thymus	* Trachea
* Urinary Bladder			

MISSING

* Lymph Node, Bronchial

OBSERVATIONS

* Heart		Cardiomyopathy	Minimal
* Pituitary Gland	Pars Distalis	Adenoma	
* Spleen		Hematopoietic Cell Proliferation	Moderate
* Thyroid Gland	C Cell	Hyperplasia	Minimal
* Uterus		Inflammation	Chronic Active, Marked

[Inflammation TGLS = 1-12]

PRIMARY CAUSE OF DEATH

- Uterus Inflammation

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05135-07

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Isoprene

CAS Number: 78-79-5

Date Report Requested: 10/22/2014

Time Report Requested: 18:27:45

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 122

TRT#: 2

SEX: Female

DAY ON TEST: 398

DOSE: CONTROL

DISP: Moribund Sacrifice

HISTO: 33267

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Brain	* Clitoral Gland	* Esophagus	* Heart
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Kidney
* Larynx	* Liver	* Lung	* Lymph Node, Bronchial
* Lymph Node, Mandibular	* Lymph Node, Mediastinal	* Lymph Node, Mesenteric	* Mammary Gland
* Nose	* Ovary	* Pancreas	* Parathyroid Gland
* Salivary Glands	* Skin	* Stomach, Glandular	* Thymus
* Trachea	* Urinary Bladder	* Uterus	

OBSERVATIONS

* Pituitary Gland	Pars Distalis	Hyperplasia	Mild
Skeletal Muscle		Rhabdomyosarcoma	
[Rhabdomyosarcoma TGLS = 3-11+12]			
* Spleen		Hematopoietic Cell Proliferation	Moderate
* Stomach, Forestomach		Necrosis	Mild
* Thyroid Gland	C Cell	Hyperplasia	Minimal

PRIMARY CAUSE OF DEATH - Skeletal Muscle Rhabdomyosarcoma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05135-07

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Isoprene

CAS Number: 78-79-5

Date Report Requested: 10/22/2014

Time Report Requested: 18:27:45

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 123

TRT#: 2

SEX: Female

DAY ON TEST: 734

DOSE: CONTROL

DISP: Terminal Sacrifice

HISTO: 33268

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Bone Marrow	* Brain
* Clitoral Gland	* Esophagus	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Larynx	* Lymph Node, Bronchial	* Lymph Node, Mandibular
* Lymph Node, Mediastinal	* Lymph Node, Mesenteric	* Mammary Gland	* Nose
* Ovary	* Pancreas	* Parathyroid Gland	* Salivary Glands
* Skin	* Spleen	* Stomach, Forestomach	* Stomach, Glandular
* Thymus	* Trachea	* Urinary Bladder	* Uterus

OBSERVATIONS

* Adrenal Cortex		Hypertrophy	Minimal
* Heart		Cardiomyopathy	Minimal
* Kidney		Nephropathy	Moderate
[Nephropathy TGLS = 1-5]			
* Liver		Basophilic Focus	
[Basophilic Focus TGLS = 1-5]		Clear Cell Focus	
[Clear Cell Focus TGLS = 1-5]			
* Lung		Inflammation	Chronic Active, Mild
* Pituitary Gland	Pars Distalis	Hyperplasia	Marked
* Thyroid Gland	C Cell	Adenoma	
	C Cell	Hyperplasia	Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05135-07

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Isoprene

CAS Number: 78-79-5

Date Report Requested: 10/22/2014

Time Report Requested: 18:27:45

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 124

TRT#: 2

SEX: Female

DAY ON TEST: 735

DOSE: CONTROL

DISP: Terminal Sacrifice

HISTO: 33269

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Bone Marrow	* Brain
* Clitoral Gland	* Esophagus	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Larynx	* Lymph Node, Mandibular	* Lymph Node, Mediastinal
* Lymph Node, Mesenteric	* Nose	* Ovary	* Pancreas
* Parathyroid Gland	* Salivary Glands	* Spleen	* Stomach, Forestomach
* Stomach, Glandular	* Thymus	* Trachea	* Urinary Bladder

MISSING

* Lymph Node, Bronchial

OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Mild
* Heart		Cardiomyopathy	Mild
* Kidney		Nephropathy	Mild
* Liver		Basophilic Focus	
		Clear Cell Focus	
* Lung		Inflammation	Chronic Active, Mild
* Mammary Gland		Fibroadenoma	
[Fibroadenoma TGLS = 1-13]			
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 2-8]			
* Skin		Squamous Cell Papilloma	
[Squamous Cell Papilloma TGLS = 4-11]			
* Thyroid Gland	C Cell	Adenoma	
	C Cell	Hyperplasia	Mild
* Uterus		Polyp Stromal	
[Polyp Stromal TGLS = 3-12]			

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05135-07

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Isoprene

CAS Number: 78-79-5

Date Report Requested: 10/22/2014

Time Report Requested: 18:27:45

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 125

TRT#: 2

SEX: Female

DAY ON TEST: 580

DOSE: CONTROL

DISP: Natural Death

HISTO: 33270

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- | | | | |
|----------------------------|---------------------------|-----------------------------|--------------------------|
| * Bone | * Clitoral Gland | * Esophagus | * Intestine Large, Cecum |
| * Intestine Large, Colon | * Intestine Large, Rectum | * Intestine Small, Duodenum | * Intestine Small, Ileum |
| * Intestine Small, Jejunum | * Islets, Pancreatic | * Larynx | * Lymph Node, Bronchial |
| * Lymph Node, Mandibular | * Lymph Node, Mesenteric | * Mammary Gland | * Pancreas |
| * Parathyroid Gland | * Salivary Glands | * Skin | * Stomach, Forestomach |
| * Trachea | * Urinary Bladder | * Uterus | |

MISSING

- * Lymph Node, Mediastinal

AUTO PRECLUDES DIAG.

- * Bone Marrow

OBSERVATIONS

- | | | | |
|----------------------|-------------------------------------|----------------------|---------|
| * Adrenal Cortex | | Hyperplasia | Mild |
| | | Leukemia Mononuclear | |
| * Adrenal Medulla | | Leukemia Mononuclear | |
| * Brain | | Leukemia Mononuclear | |
| * Heart | | Cardiomyopathy | Minimal |
| * Kidney | | Leukemia Mononuclear | |
| | | Nephropathy | Minimal |
| * Liver | | Leukemia Mononuclear | |
| * Lung | | Leukemia Mononuclear | |
| * Nose | | Leukemia Mononuclear | |
| | | Thrombosis | Mild |
| * Ovary | | Leukemia Mononuclear | |
| * Pituitary Gland | Pars Distalis | Adenoma | |
| | [Adenoma TGLS = 1-8] | | |
| * Spleen | | Fibrosis | Mild |
| | [Leukemia Mononuclear TGLS = 1-8] | Leukemia Mononuclear | |
| * Stomach, Glandular | | Leukemia Mononuclear | |
| * Thymus | | Leukemia Mononuclear | |

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05135-07

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Isoprene

CAS Number: 78-79-5

Date Report Requested: 10/22/2014

Time Report Requested: 18:27:45

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 125

TRT#: 2

SEX: Female

DAY ON TEST: 580

DOSE: CONTROL

DISP: Natural Death

HISTO: 33270

ORGAN AND ACCOUNTABLE SITE STATUS

* Thyroid Gland

C Cell

Adenoma

PRIMARY CAUSE OF DEATH

- Spleen Leukemia Mononuclear

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05135-07

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Isoprene

CAS Number: 78-79-5

Date Report Requested: 10/22/2014

Time Report Requested: 18:27:45

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 126

TRT#: 2

SEX: Female

DAY ON TEST: 629

DOSE: CONTROL

DISP: Moribund Sacrifice

HISTO: 33271

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Bone	* Bone Marrow	* Brain	* Clitoral Gland
* Esophagus	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Larynx	* Lymph Node, Bronchial	* Lymph Node, Mandibular	* Lymph Node, Mediastinal
* Lymph Node, Mesenteric	* Mammary Gland	* Nose	* Ovary
* Parathyroid Gland	* Salivary Glands	* Skin	* Stomach, Forestomach
* Stomach, Glandular	* Thymus	* Trachea	* Urinary Bladder
* Uterus			

OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Mild
* Adrenal Medulla		Hyperplasia	Mild
Eye	Retina	Atrophy	Moderate
		Cataract	Moderate
	[Cataract TGLS = 2-12]		
* Heart		Cardiomyopathy	Minimal
* Kidney		Leukemia Mononuclear	
		Nephropathy	Mild
* Liver		Fatty Change	Moderate
		Leukemia Mononuclear	
	[Fatty Change TGLS = 5-11]		
	[Leukemia Mononuclear TGLS = 4-4+11]		
* Lung		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLS = 5-11]		
* Pancreas		Atrophy	Minimal
* Pituitary Gland	Pars Distalis	Adenoma	
	[Adenoma TGLS = 3-8]		
* Spleen		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLS = 3-8]		
* Thyroid Gland	C Cell	Hyperplasia	Minimal

PRIMARY CAUSE OF DEATH - Pituitary Gland Pars Distalis Adenoma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05135-07

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Isoprene

CAS Number: 78-79-5

Date Report Requested: 10/22/2014

Time Report Requested: 18:27:45

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 126

TRT#: 2

SEX: Female

DAY ON TEST: 629

DOSE: CONTROL

DISP: Moribund Sacrifice

HISTO: 33271

ORGAN AND ACCOUNTABLE SITE STATUS

CONTRIBUTORY CAUSE OF DEATH

- Spleen Leukemia Mononuclear

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05135-07

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Isoprene

CAS Number: 78-79-5

Date Report Requested: 10/22/2014

Time Report Requested: 18:27:45

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 127

TRT#: 2

SEX: Female

DAY ON TEST: 736

DOSE: CONTROL

DISP: Terminal Sacrifice

HISTO: 33272

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Bone Marrow	* Esophagus
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Larynx
* Lymph Node, Bronchial	* Lymph Node, Mandibular	* Lymph Node, Mediastinal	* Lymph Node, Mesenteric
* Nose	* Ovary	* Parathyroid Gland	* Salivary Glands
* Skin	* Spleen	* Stomach, Forestomach	* Stomach, Glandular
* Thymus	* Trachea	* Urinary Bladder	* Uterus

OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Mild
* Brain		Gliosis	Mild
* Clitoral Gland		Carcinoma	
[Carcinoma TGLS = 3-12+11]			
* Heart		Cardiomyopathy	Mild
* Kidney		Nephropathy	Minimal
* Liver		Basophilic Focus	
* Lung		Inflammation	Chronic Active, Mild
* Mammary Gland		Fibroadenoma	Multiple
[Fibroadenoma TGLS = 1,2,3-14+15+13+12]			
* Pancreas		Atrophy	Mild
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 4-8]			
* Thyroid Gland	C Cell	Adenoma	

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05135-07

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Isoprene

CAS Number: 78-79-5

Date Report Requested: 10/22/2014

Time Report Requested: 18:27:45

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 128

TRT#: 2

SEX: Female

DAY ON TEST: 727

DOSE: CONTROL

DISP: Moribund Sacrifice

HISTO: 33273

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Bone Marrow	* Brain	* Clitoral Gland	* Esophagus
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Larynx
* Lymph Node, Bronchial	* Lymph Node, Mandibular	* Lymph Node, Mediastinal	* Lymph Node, Mesenteric
* Mammary Gland	* Nose	* Ovary	* Pancreas
* Parathyroid Gland	* Salivary Glands	* Skin	* Spleen
* Stomach, Forestomach	* Stomach, Glandular	* Thymus	* Trachea
* Urinary Bladder			

OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Mild
* Adrenal Medulla		Hyperplasia	Mild
* Bone		Fibrous Osteodystrophy	Minimal
* Heart		Cardiomyopathy	Mild
* Kidney		Nephropathy	Marked
[Nephropathy TGLS = 5-5]			
* Liver		Basophilic Focus	
	Bile Duct	Cyst	Mild
		Fatty Change	Minimal
[Basophilic Focus TGLS = 5-5]			
[Cyst TGLS = 4-11]			
* Lung		Inflammation	Chronic Active, Minimal
[Inflammation TGLS = 6-3A]			
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 2-8]			
* Thyroid Gland	C Cell	Hyperplasia	Minimal
* Uterus		Polyp Stromal	
[Polyp Stromal TGLS = 3-12]			

PRIMARY CAUSE OF DEATH

- Pituitary Gland Pars Distalis Adenoma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05135-07

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Isoprene

CAS Number: 78-79-5

Date Report Requested: 10/22/2014

Time Report Requested: 18:27:45

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 129

TRT#: 2

SEX: Female

DAY ON TEST: 728

DOSE: CONTROL

DISP: Moribund Sacrifice

HISTO: 33274

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Bone	* Bone Marrow	* Clitoral Gland
* Esophagus	* Heart	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Larynx	* Lymph Node, Bronchial	* Lymph Node, Mandibular
* Lymph Node, Mediastinal	* Lymph Node, Mesenteric	* Mammary Gland	* Nose
* Ovary	* Parathyroid Gland	* Skin	* Stomach, Forestomach
* Stomach, Glandular	* Thymus	* Trachea	* Urinary Bladder
* Uterus			

OBSERVATIONS

* Adrenal Medulla		Hyperplasia	Minimal
* Brain		Carcinoma	Metastatic (Pituitary Gland)
* Kidney		Nephropathy	Minimal
* Liver		Basophilic Focus	
		Leukemia Mononuclear	
* Lung		Leukemia Mononuclear	
* Pancreas		Atrophy	Moderate
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 1-8]			
* Salivary Glands		Atrophy	Mild
* Spleen		Leukemia Mononuclear	
* Thyroid Gland	C Cell	Hyperplasia	Minimal

PRIMARY CAUSE OF DEATH

- Pituitary Gland Pars Distalis Adenoma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05135-07

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Isoprene

CAS Number: 78-79-5

Date Report Requested: 10/22/2014

Time Report Requested: 18:27:45

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 130

TRT#: 2

SEX: Female

DAY ON TEST: 736

DOSE: CONTROL

DISP: Terminal Sacrifice

HISTO: 33275

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Bone Marrow	* Brain
* Esophagus	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Larynx
* Liver	* Lymph Node, Bronchial	* Lymph Node, Mesenteric	* Mammary Gland
* Nose	* Pancreas	* Parathyroid Gland	* Salivary Glands
* Skin	* Spleen	* Stomach, Forestomach	* Stomach, Glandular
* Thymus	* Trachea	* Urinary Bladder	* Uterus

MISSING

* Lymph Node, Mandibular	* Lymph Node, Mediastinal
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INSUFFICIENT TISSUE

* Intestine Large, Rectum

OBSERVATIONS

* Adrenal Cortex		Adenoma	
* Clitoral Gland		Adenoma	
* Heart		Cardiomyopathy	Minimal
* Kidney		Nephropathy	Mild
* Lung		Inflammation	Chronic Active, Minimal
* Ovary		Cyst	Mild
* Pituitary Gland	Pars Distalis	Hyperplasia	Mild
[Hyperplasia TGLS = 1-8]			
* Thyroid Gland	C Cell	Hyperplasia	Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05135-07

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Isoprene

CAS Number: 78-79-5

Date Report Requested: 10/22/2014

Time Report Requested: 18:27:45

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 131

TRT#: 2

SEX: Female

DAY ON TEST: 657

DOSE: CONTROL

DISP: Moribund Sacrifice

HISTO: 33276

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Brain	* Clitoral Gland	* Esophagus	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Larynx	* Nose
* Ovary	* Pancreas	* Parathyroid Gland	* Salivary Glands
* Skin	* Stomach, Glandular	* Trachea	* Uterus

OBSERVATIONS

* Adrenal Cortex		Leukemia Mononuclear	
* Adrenal Medulla		Leukemia Mononuclear	
* Bone		Hyperostosis	Moderate
* Bone Marrow		Leukemia Mononuclear	
* Heart		Leukemia Mononuclear	
* Kidney		Nephropathy	Mild
* Liver		Basophilic Focus	
	Bile Duct	Fatty Change	Mild
		Hyperplasia	Mild
	Centrilobular	Leukemia Mononuclear	
		Necrosis	Minimal
[Leukemia Mononuclear TGLS = 4,5-4+11]			
* Lung		Leukemia Mononuclear	
* Lymph Node, Bronchial		Leukemia Mononuclear	
* Lymph Node, Mandibular		Leukemia Mononuclear	
* Lymph Node, Mediastinal		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 7-8]			
* Lymph Node, Mesenteric		Leukemia Mononuclear	
* Mammary Gland		Fibroadenoma	
[Fibroadenoma TGLS = 6-14]			
[Leukemia Mononuclear TGLS = 6-14]			
* Pituitary Gland	Pars Distalis	Adenoma	
		Leukemia Mononuclear	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05135-07
Test Type: CHRONIC
Species/Strain: Rat/F 344/N

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

Date Report Requested: 10/22/2014
Time Report Requested: 18:27:45
First Dose M/F: NA / NA
Lab: BNW

ANIMAL ID: 131	TRT#: 2 DOSE: CONTROL	SEX: Female DISP: Moribund Sacrifice	DAY ON TEST: 657 HISTO: 33276
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ORGAN AND ACCOUNTABLE SITE STATUS

* Spleen [Fibrosis TGLS = 2,3-12+13] [Leukemia Mononuclear TGLS = 1-12]		Fibrosis Leukemia Mononuclear	Mild
* Stomach, Forestomach [Necrosis TGLS = 7-8]		Necrosis	Moderate
* Thymus [Leukemia Mononuclear TGLS = 1-12]		Leukemia Mononuclear	
* Thyroid Gland	C Cell	Hyperplasia	Moderate
* Urinary Bladder		Leukemia Mononuclear	

PRIMARY CAUSE OF DEATH - Thymus Leukemia Mononuclear

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05135-07

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Isoprene

CAS Number: 78-79-5

Date Report Requested: 10/22/2014

Time Report Requested: 18:27:45

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 132

TRT#: 2

SEX: Female

DAY ON TEST: 671

DOSE: CONTROL

DISP: Moribund Sacrifice

HISTO: 33277

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Bone Marrow	* Brain
* Clitoral Gland	* Esophagus	* Heart	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Larynx	* Lymph Node, Bronchial
* Lymph Node, Mandibular	* Lymph Node, Mediastinal	* Lymph Node, Mesenteric	* Nose
* Ovary	* Salivary Glands	* Skin	* Spleen
* Stomach, Forestomach	* Stomach, Glandular	* Thymus	* Trachea
* Urinary Bladder	* Uterus		

MISSING

* Parathyroid Gland

OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Mild
* Kidney		Nephropathy	Minimal
* Liver		Basophilic Focus	
		Mixed Cell Focus	
[Mixed Cell Focus TGLS = 6-14]			
* Lung		Inflammation	Chronic Active, Minimal
[Inflammation TGLS = 4,5-12+11]			
* Mammary Gland		Fibroadenoma	
[Fibroadenoma TGLS = 2-15+16+7]			
Mesentery	Fat	Necrosis	Mild
[Necrosis TGLS = 3-17]			
* Pancreas		Atrophy	Minimal
		Basophilic Focus	
[Basophilic Focus TGLS = 3-17]			
* Pituitary Gland	Pars Distalis	Adenoma	
* Thyroid Gland	C Cell	Hyperplasia	Minimal
Tongue		Squamous Cell Papilloma	
[Squamous Cell Papilloma TGLS = 1-13]			

PRIMARY CAUSE OF DEATH - Tongue Squamous Cell Papilloma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05135-07

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Isoprene

CAS Number: 78-79-5

Date Report Requested: 10/22/2014

Time Report Requested: 18:27:45

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 132

TRT#: 2

SEX: Female

DAY ON TEST: 671

DOSE: CONTROL

DISP: Moribund Sacrifice

HISTO: 33277

ORGAN AND ACCOUNTABLE SITE STATUS

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05135-07

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Isoprene

CAS Number: 78-79-5

Date Report Requested: 10/22/2014

Time Report Requested: 18:27:45

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 133

TRT#: 2

SEX: Female

DAY ON TEST: 705

DOSE: CONTROL

DISP: Natural Death

HISTO: 33278

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Bone	* Bone Marrow	* Brain	* Clitoral Gland
* Esophagus	* Heart	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Kidney	* Larynx	* Lung
* Lymph Node, Mandibular	* Lymph Node, Mediastinal	* Lymph Node, Mesenteric	* Nose
* Ovary	* Parathyroid Gland	* Salivary Glands	* Skin
* Spleen	* Stomach, Forestomach	* Thymus	* Thyroid Gland
* Trachea	* Urinary Bladder		

MISSING

* Lymph Node, Bronchial

OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Minimal
* Adrenal Medulla		Hyperplasia	Mild
* Liver		Basophilic Focus	
		Clear Cell Focus	
		Fibroadenoma	
* Mammary Gland			
[Fibroadenoma TGLS = 1-12]			
* Pancreas		Atrophy	Marked
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 2-8]			
* Stomach, Glandular		Necrosis	Mild
[Necrosis TGLS = 5-14]			
* Uterus		Polyp Stromal	
		Sarcoma Stromal	
[Polyp Stromal TGLS = 4-13]			
[Sarcoma Stromal TGLS = 3-11]			

PRIMARY CAUSE OF DEATH

- Uterus Sarcoma Stromal

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05135-07

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Isoprene

CAS Number: 78-79-5

Date Report Requested: 10/22/2014

Time Report Requested: 18:27:45

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 134

TRT#: 2

SEX: Female

DAY ON TEST: 657

DOSE: CONTROL

DISP: Moribund Sacrifice

HISTO: 33279

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Bone Marrow	* Brain	* Clitoral Gland	* Esophagus
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Larynx
* Lymph Node, Mandibular	* Mammary Gland	* Nose	* Pancreas
* Salivary Glands	* Skin	* Stomach, Forestomach	* Stomach, Glandular
* Trachea	* Urinary Bladder	* Uterus	

MISSING

* Parathyroid Gland	* Thymus
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OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Mild
		Leukemia Mononuclear	
* Adrenal Medulla		Hyperplasia	Moderate
		Leukemia Mononuclear	
* Bone		Hyperostosis	Marked
[Hyperostosis TGLS = 1-11]			
* Heart		Cardiomyopathy	Mild
* Kidney		Leukemia Mononuclear	
		Nephropathy	Moderate
* Liver		Fatty Change	Moderate
		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 6-4]			
* Lung		Leukemia Mononuclear	
* Lymph Node, Bronchial		Leukemia Mononuclear	
* Lymph Node, Mediastinal		Leukemia Mononuclear	
* Lymph Node, Mesenteric		Leukemia Mononuclear	
* Ovary		Leukemia Mononuclear	
* Pituitary Gland	Pars Distalis	Hyperplasia	Mild
[Hyperplasia TGLS = 3-8]			
* Spleen		Hemorrhage	Mild
		Leukemia Mononuclear	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05135-07

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Isoprene

CAS Number: 78-79-5

Date Report Requested: 10/22/2014

Time Report Requested: 18:27:45

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 134

TRT#: 2

SEX: Female

DAY ON TEST: 657

DOSE: CONTROL

DISP: Moribund Sacrifice

HISTO: 33279

ORGAN AND ACCOUNTABLE SITE STATUS

[Hemorrhage TGLS = 5-12]

[Leukemia Mononuclear TGLS = 4-12]

* Thyroid Gland

C Cell

Hyperplasia

Minimal

PRIMARY CAUSE OF DEATH

- Spleen Leukemia Mononuclear

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05135-07

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Isoprene

CAS Number: 78-79-5

Date Report Requested: 10/22/2014

Time Report Requested: 18:27:45

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 135

TRT#: 2

SEX: Female

DAY ON TEST: 734

DOSE: CONTROL

DISP: Terminal Sacrifice

HISTO: 33280

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Bone	* Bone Marrow	* Brain	* Clitoral Gland
* Esophagus	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Larynx	* Lymph Node, Bronchial	* Lymph Node, Mandibular	* Lymph Node, Mediastinal
* Lymph Node, Mesenteric	* Mammary Gland	* Nose	* Ovary
* Pancreas	* Parathyroid Gland	* Salivary Glands	* Skin
* Spleen	* Stomach, Forestomach	* Stomach, Glandular	* Trachea
* Urinary Bladder			

MISSING

* Thymus

OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Minimal
* Adrenal Medulla		Hyperplasia	Mild
* Heart		Cardiomyopathy	Minimal
* Kidney	Renal Tubule	Hyperplasia	Moderate
		Nephropathy	Moderate
	[Nephropathy TGLS = 2-5]		
* Liver		Basophilic Focus	
		Clear Cell Focus	
	[Basophilic Focus TGLS = 2-5]		
	[Clear Cell Focus TGLS = 2-5]		
* Lung		Inflammation	Chronic Active, Mild
* Pituitary Gland	Pars Distalis	Adenoma	
* Thyroid Gland	C Cell	Hyperplasia	Minimal
* Uterus		Polyp Stromal	
	[Polyp Stromal TGLS = 1-11]		

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05135-07

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Isoprene

CAS Number: 78-79-5

Date Report Requested: 10/22/2014

Time Report Requested: 18:27:45

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 136

TRT#: 2

SEX: Female

DAY ON TEST: 580

DOSE: CONTROL

DISP: Moribund Sacrifice

HISTO: 33281

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Bone	* Brain	* Clitoral Gland	* Esophagus
* Heart	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Larynx	* Lymph Node, Bronchial	* Lymph Node, Mediastinal	* Lymph Node, Mesenteric
* Mammary Gland	* Nose	* Pancreas	* Parathyroid Gland
* Salivary Glands	* Skin	* Stomach, Forestomach	* Stomach, Glandular
* Trachea	* Urinary Bladder	* Uterus	

OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Mild
* Adrenal Medulla		Hyperplasia	Mild
* Bone Marrow		Leukemia Mononuclear	
* Kidney		Leukemia Mononuclear	
		Nephropathy	Minimal
* Liver		Basophilic Focus	
		Leukemia Mononuclear	
	Centrilobular	Necrosis	Minimal
* Lung		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLS = 4-3A]		
* Lymph Node, Mandibular		Leukemia Mononuclear	
* Ovary		Cyst	Moderate
	[Cyst TGLS = 2-7]		
* Pituitary Gland	Pars Distalis	Hyperplasia	Mild
	[Hyperplasia TGLS = 3-8]		
* Spleen		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLS = 1-11]		
* Thymus		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLS = 1-11]		
* Thyroid Gland	C Cell	Hyperplasia	Minimal

PRIMARY CAUSE OF DEATH - Thymus Leukemia Mononuclear

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05135-07

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Isoprene

CAS Number: 78-79-5

Date Report Requested: 10/22/2014

Time Report Requested: 18:27:45

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 137

TRT#: 2

DOSE: CONTROL

SEX: Female

DISP: Natural Death

DAY ON TEST: 648

HISTO: 33282

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Bone	* Brain	* Clitoral Gland	* Esophagus
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Larynx	* Nose	* Ovary
* Parathyroid Gland	* Pituitary Gland	* Salivary Glands	* Skin
* Stomach, Forestomach	* Trachea	* Urinary Bladder	* Uterus

MISSING

* Lymph Node, Mandibular

AUTO PRECLUDES DIAG.

* Intestine Small, Jejunum	* Islets, Pancreatic	* Thyroid Gland
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OBSERVATIONS

* Adrenal Cortex		Leukemia Mononuclear Necrosis	Mild
[Leukemia Mononuclear TGLS = 3-4+13]			
* Adrenal Medulla		Leukemia Mononuclear	
* Bone Marrow		Leukemia Mononuclear	
* Brain			
Note: "Focus, 1mm dia, dark" noted at trim was blood in normal vasculature.			
* Heart		Leukemia Mononuclear	
* Kidney		Leukemia Mononuclear	
* Liver	Bile Duct	Basophilic Focus Hyperplasia	Minimal
	Centrilobular	Leukemia Mononuclear Necrosis	Moderate
[Basophilic Focus TGLS = 2-4]			
[Leukemia Mononuclear TGLS = 2-4]			
* Lung		Leukemia Mononuclear	
* Lymph Node, Bronchial		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 3-4+13]			
* Lymph Node, Mediastinal		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 5-8+11]			

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05135-07

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Isoprene

CAS Number: 78-79-5

Date Report Requested: 10/22/2014

Time Report Requested: 18:27:45

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 137

TRT#: 2

DOSE: CONTROL

SEX: Female

DISP: Natural Death

DAY ON TEST: 648

HISTO: 33282

ORGAN AND ACCOUNTABLE SITE STATUS

* Lymph Node, Mesenteric [Leukemia Mononuclear TGLS = 3-4+13]	Leukemia Mononuclear	
* Mammary Gland [Fibroadenoma TGLS = 6-12]	Fibroadenoma	
* Pancreas [Leukemia Mononuclear TGLS = 6-12]	Leukemia Mononuclear	
* Spleen [Leukemia Mononuclear TGLS = 3-4+13]	Leukemia Mononuclear Necrosis	Marked
* Stomach, Glandular [Necrosis TGLS = 5-8+11]	Necrosis	Mild
* Thymus [Leukemia Mononuclear TGLS = 3-4+13]	Leukemia Mononuclear	

PRIMARY CAUSE OF DEATH - Thymus Leukemia Mononuclear

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05135-07

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Isoprene

CAS Number: 78-79-5

Date Report Requested: 10/22/2014

Time Report Requested: 18:27:45

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 138

TRT#: 2

SEX: Female

DAY ON TEST: 736

DOSE: CONTROL

DISP: Terminal Sacrifice

HISTO: 33283

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone Marrow	* Brain	* Clitoral Gland
* Esophagus	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Larynx
* Lymph Node, Bronchial	* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Mammary Gland
* Nose	* Pancreas	* Parathyroid Gland	* Salivary Glands
* Spleen	* Stomach, Forestomach	* Stomach, Glandular	* Thymus
* Trachea	* Urinary Bladder	* Uterus	

MISSING

* Intestine Large, Rectum	* Lymph Node, Mediastinal
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OBSERVATIONS

* Adrenal Cortex		Adenoma	
		Hyperplasia	Mild
* Bone		Hyperostosis	Moderate
* Heart		Cardiomyopathy	Mild
* Kidney		Nephropathy	Mild
* Liver		Basophilic Focus	
* Lung	Alveolar Epith	Hyperplasia	Minimal
		Inflammation	Chronic Active, Minimal
* Ovary		Granulosa Cell Tumor Benign	
* Pituitary Gland	Pars Distalis	Adenoma	
	[Adenoma TGLS = 1-8]		
* Skin	Subcut Tiss	Fibrosarcoma	
	[Fibrosarcoma TGLS = 2-11]		
* Thyroid Gland	C Cell	Hyperplasia	Minimal
	Follicular Cel	Hyperplasia	Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05135-07

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Isoprene

CAS Number: 78-79-5

Date Report Requested: 10/22/2014

Time Report Requested: 18:27:45

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 139

TRT#: 2

SEX: Female

DAY ON TEST: 539

DOSE: CONTROL

DISP: Moribund Sacrifice

HISTO: 33284

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- | | | | |
|--------------------------|----------------------------|---------------------------|-----------------------------|
| * Bone | * Brain | * Clitoral Gland | * Esophagus |
| * Intestine Large, Cecum | * Intestine Large, Colon | * Intestine Large, Rectum | * Intestine Small, Duodenum |
| * Intestine Small, Ileum | * Intestine Small, Jejunum | * Larynx | * Lymph Node, Mesenteric |
| * Nose | * Pancreas | * Parathyroid Gland | * Salivary Glands |
| * Skin | * Stomach, Forestomach | * Stomach, Glandular | * Thymus |
| * Trachea | * Urinary Bladder | | |

MISSING

- * Lymph Node, Bronchial

OBSERVATIONS

- | | | | |
|--------------------------------------|-----------|----------------------|----------|
| * Adrenal Cortex | | Leukemia Mononuclear | |
| [Leukemia Mononuclear TGLS = 6-8] | | | |
| * Adrenal Medulla | | Leukemia Mononuclear | |
| [Leukemia Mononuclear TGLS = 6-8] | | | |
| * Bone Marrow | | Leukemia Mononuclear | |
| [Leukemia Mononuclear TGLS = 2-14] | | | |
| * Heart | | Leukemia Mononuclear | |
| [Leukemia Mononuclear TGLS = 2-14] | | | |
| * Islets, Pancreatic | | Hyperplasia | Moderate |
| * Kidney | | Leukemia Mononuclear | |
| | | Nephropathy | Minimal |
| * Liver | | Angiectasis | Minimal |
| | Bile Duct | Hyperplasia | Minimal |
| | | Leukemia Mononuclear | |
| [Angiectasis TGLS = 10-11] | | | |
| [Leukemia Mononuclear TGLS = 8-4] | | | |
| * Lung | | Leukemia Mononuclear | |
| [Leukemia Mononuclear TGLS = 8-4] | | | |
| * Lymph Node, Mandibular | | Leukemia Mononuclear | |
| [Leukemia Mononuclear TGLS = 6-8] | | | |
| * Lymph Node, Mediastinal | | Leukemia Mononuclear | |

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05135-07

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Isoprene

CAS Number: 78-79-5

Date Report Requested: 10/22/2014

Time Report Requested: 18:27:45

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 139

TRT#: 2

SEX: Female

DAY ON TEST: 539

DOSE: CONTROL

DISP: Moribund Sacrifice

HISTO: 33284

ORGAN AND ACCOUNTABLE SITE STATUS

[Leukemia Mononuclear TGLS = 6-8]			
* Mammary Gland		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 8-4]			
Mesentery	Fat	Necrosis	Mild
[Necrosis TGLS = 9-16]			
* Ovary		Cyst	Mild
[Cyst TGLS = 7-7]			
* Pituitary Gland	Pars Distalis	Hyperplasia	Mild
* Spleen		Fibrosis	Minimal
		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 3,4-12+13]			
* Thyroid Gland	C Cell	Hyperplasia	Minimal
* Uterus		Polyp Stromal	
[Polyp Stromal TGLS = 6-8]			

PRIMARY CAUSE OF DEATH - Spleen Leukemia Mononuclear

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05135-07

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Isoprene

CAS Number: 78-79-5

Date Report Requested: 10/22/2014

Time Report Requested: 18:27:45

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 140

TRT#: 2

SEX: Female

DAY ON TEST: 734

DOSE: CONTROL

DISP: Terminal Sacrifice

HISTO: 33285

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Bone Marrow	* Brain
* Clitoral Gland	* Esophagus	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Larynx	* Lymph Node, Bronchial	* Lymph Node, Mandibular
* Lymph Node, Mediastinal	* Lymph Node, Mesenteric	* Mammary Gland	* Nose
* Ovary	* Pancreas	* Parathyroid Gland	* Salivary Glands
* Skin	* Spleen	* Stomach, Forestomach	* Stomach, Glandular
* Thymus	* Trachea	* Urinary Bladder	* Uterus

OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Mild
* Heart		Cardiomyopathy	Mild
* Kidney		Nephropathy	Mild
* Liver		Basophilic Focus	
* Lung	Alveolar Epith	Hyperplasia	Minimal
		Inflammation	Chronic Active, Mild
* Pituitary Gland	Pars Distalis	Hyperplasia	Moderate
* Thyroid Gland	C Cell	Adenoma	
	C Cell	Hyperplasia	Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05135-07

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Isoprene

CAS Number: 78-79-5

Date Report Requested: 10/22/2014

Time Report Requested: 18:27:45

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 141

TRT#: 2

SEX: Female

DAY ON TEST: 714

DOSE: CONTROL

DISP: Moribund Sacrifice

HISTO: 33286

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- | | | | |
|--------------------------|----------------------------|---------------------------|-----------------------------|
| * Bone | * Bone Marrow | * Brain | * Esophagus |
| * Intestine Large, Cecum | * Intestine Large, Colon | * Intestine Large, Rectum | * Intestine Small, Duodenum |
| * Intestine Small, Ileum | * Intestine Small, Jejunum | * Islets, Pancreatic | * Larynx |
| * Lung | * Lymph Node, Mandibular | * Lymph Node, Mesenteric | * Mammary Gland |
| * Nose | * Ovary | * Pancreas | * Parathyroid Gland |
| * Pituitary Gland | * Salivary Glands | * Skin | * Stomach, Forestomach |
| * Stomach, Glandular | * Thymus | * Trachea | * Urinary Bladder |
| * Uterus | | | |

MISSING

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

OBSERVATIONS

- | | | |
|--|----------------------------------|------------------|
| * Adrenal Cortex | Degeneration | Cystic, Moderate |
| * Adrenal Medulla | Hyperplasia | Moderate |
| * Clitoral Gland | Carcinoma | |
| [Carcinoma TGLS = 1,2-7+12+13] | | |
| * Heart | Cardiomyopathy | Mild |
| * Kidney | Nephropathy | Minimal |
| * Liver | Basophilic Focus | |
| | Leukemia Mononuclear | |
| * Spleen | Fibrosis | Mild |
| | Hematopoietic Cell Proliferation | Moderate |
| | Leukemia Mononuclear | |
| [Fibrosis TGLS = 4-11] | | |
| [Hematopoietic Cell Proliferation TGLS = 3-11] | | |
| [Leukemia Mononuclear TGLS = 3-11] | | |
| * Thyroid Gland | C Cell | Hyperplasia |
| | | Moderate |

PRIMARY CAUSE OF DEATH

- Clitoral Gland Carcinoma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05135-07

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Isoprene

CAS Number: 78-79-5

Date Report Requested: 10/22/2014

Time Report Requested: 18:27:45

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 142

TRT#: 2

SEX: Female

DAY ON TEST: 727

DOSE: CONTROL

DISP: Moribund Sacrifice

HISTO: 33287

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Bone	* Brain	* Clitoral Gland	* Esophagus
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Larynx
* Lymph Node, Mediastinal	* Lymph Node, Mesenteric	* Ovary	* Parathyroid Gland
* Salivary Glands	* Skin	* Stomach, Glandular	* Thymus
* Trachea	* Urinary Bladder	* Uterus	

MISSING

* Lymph Node, Bronchial	* Lymph Node, Mandibular
-------------------------	--------------------------

OBSERVATIONS

* Adrenal Cortex		Leukemia Mononuclear Necrosis	Moderate
* Adrenal Medulla		Hyperplasia	Mild
* Bone Marrow		Leukemia Mononuclear Myelofibrosis	Marked
[Myelofibrosis TGLS = 1-12]			
Eye	Retina	Atrophy Cataract	Marked Moderate
[Cataract TGLS = 3-14]			
* Heart		Cardiomyopathy	Minimal
* Kidney		Nephropathy	Mild
* Liver		Basophilic Focus Leukemia Mononuclear Necrosis	Minimal
[Leukemia Mononuclear TGLS = 4-4]	Centrilobular		
* Lung		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 4-4]			
* Mammary Gland		Fibroadenoma	
[Fibroadenoma TGLS = 2-13]			
Mesentery	Fat	Necrosis	Mild
[Necrosis TGLS = 5-15]			

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05135-07
Test Type: CHRONIC
Species/Strain: Rat/F 344/N

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

Date Report Requested: 10/22/2014
Time Report Requested: 18:27:45
First Dose M/F: NA / NA
Lab: BNW

ANIMAL ID: 142	TRT#: 2 DOSE: CONTROL	SEX: Female DISP: Moribund Sacrifice	DAY ON TEST: 727 HISTO: 33287
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ORGAN AND ACCOUNTABLE SITE STATUS

* Nose		Thrombosis	Moderate
* Pancreas		Atrophy	Minimal
* Pituitary Gland	Pars Distalis	Hyperplasia	Mild
		Leukemia Mononuclear	
* Spleen		Leukemia Mononuclear	
* Stomach, Forestomach		Necrosis	Moderate
* Thyroid Gland	C Cell	Hyperplasia	Mild

PRIMARY CAUSE OF DEATH - Spleen Leukemia Mononuclear

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05135-07

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Isoprene

CAS Number: 78-79-5

Date Report Requested: 10/22/2014

Time Report Requested: 18:27:45

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 143

TRT#: 2

SEX: Female

DAY ON TEST: 734

DOSE: CONTROL

DISP: Terminal Sacrifice

HISTO: 33288

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Bone	* Bone Marrow	* Brain	* Esophagus
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Larynx
* Lymph Node, Bronchial	* Lymph Node, Mandibular	* Lymph Node, Mediastinal	* Lymph Node, Mesenteric
* Nose	* Ovary	* Parathyroid Gland	* Salivary Glands
* Skin	* Spleen	* Stomach, Forestomach	* Stomach, Glandular
* Thymus	* Trachea	* Urinary Bladder	* Uterus

OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Mild
* Adrenal Medulla		Hyperplasia	Mild
* Clitoral Gland		Adenoma	
* Heart		Cardiomyopathy	Mild
* Kidney		Nephropathy	Moderate
[Nephropathy TGLS = 3-5]			
* Liver		Basophilic Focus	
[Basophilic Focus TGLS = 3-5]		Fatty Change	Minimal
* Lung		Inflammation	Chronic Active, Minimal
* Mammary Gland		Fibroadenoma	
[Fibroadenoma TGLS = 1-11+12]			
* Pancreas		Atrophy	Mild
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 2-8]			
* Thyroid Gland	C Cell	Hyperplasia	Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05135-07

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Isoprene

CAS Number: 78-79-5

Date Report Requested: 10/22/2014

Time Report Requested: 18:27:45

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 144

TRT#: 2

SEX: Female

DAY ON TEST: 736

DOSE: CONTROL

DISP: Terminal Sacrifice

HISTO: 33289

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Bone Marrow	* Brain
* Esophagus	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Larynx	* Lymph Node, Bronchial	* Lymph Node, Mandibular	* Lymph Node, Mediastinal
* Lymph Node, Mesenteric	* Ovary	* Parathyroid Gland	* Salivary Glands
* Skin	* Spleen	* Stomach, Forestomach	* Stomach, Glandular
* Thymus	* Trachea	* Urinary Bladder	* Uterus

OBSERVATIONS

* Adrenal Cortex		Hypertrophy	Minimal
* Clitoral Gland		Hyperplasia	Mild
* Heart		Cardiomyopathy	Minimal
* Kidney		Nephropathy	Minimal
* Liver		Basophilic Focus	
		Eosinophilic Focus	
* Lung		Inflammation	Chronic Active, Mild
* Mammary Gland		Fibroadenoma	
[Fibroadenoma TGLS = 2-12]			
Mesentery	Fat	Necrosis	Mild
[Necrosis TGLS = 1-11]			
* Nose		Inflammation	Suppurative, Minimal
* Pancreas		Atrophy	Minimal
* Pituitary Gland	Pars Distalis	Adenoma	
* Thyroid Gland	C Cell	Hyperplasia	Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05135-07

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Isoprene

CAS Number: 78-79-5

Date Report Requested: 10/22/2014

Time Report Requested: 18:27:45

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 145

TRT#: 2

SEX: Female

DAY ON TEST: 735

DOSE: CONTROL

DISP: Terminal Sacrifice

HISTO: 33290

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Bone Marrow	* Brain
* Clitoral Gland	* Esophagus	* Heart	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Larynx	* Lymph Node, Bronchial
* Lymph Node, Mandibular	* Lymph Node, Mediastinal	* Lymph Node, Mesenteric	* Nose
* Ovary	* Pancreas	* Parathyroid Gland	* Salivary Glands
* Skin	* Spleen	* Stomach, Forestomach	* Stomach, Glandular
* Thymus	* Trachea	* Uterus	

OBSERVATIONS

* Adrenal Cortex		Hypertrophy	Minimal
* Kidney		Nephropathy	Mild
* Liver		Clear Cell Focus	
* Lung		Inflammation	Chronic Active, Mild
* Mammary Gland		Galactoceles	Marked
[Galactoceles TGLS = 1-11]			
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 2-8]			
* Thyroid Gland	C Cell	Hyperplasia	Minimal
* Urinary Bladder	Transit Epithe	Hyperplasia	Moderate

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05135-07

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Isoprene

CAS Number: 78-79-5

Date Report Requested: 10/22/2014

Time Report Requested: 18:27:45

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 146

TRT#: 2

SEX: Female

DAY ON TEST: 734

DOSE: CONTROL

DISP: Terminal Sacrifice

HISTO: 33291

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Bone Marrow	* Brain
* Clitoral Gland	* Esophagus	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Larynx	* Lymph Node, Bronchial	* Lymph Node, Mediastinal
* Lymph Node, Mesenteric	* Nose	* Ovary	* Pancreas
* Parathyroid Gland	* Salivary Glands	* Skin	* Spleen
* Stomach, Forestomach	* Stomach, Glandular	* Thymus	* Trachea
* Urinary Bladder	* Uterus		

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Mild
		Hypertrophy	Moderate
* Heart		Cardiomyopathy	Mild
* Kidney		Nephropathy	Mild
* Liver		Basophilic Focus	
* Lung		Inflammation	Chronic Active, Minimal
* Mammary Gland		Carcinoma	
		Fibroadenoma	Multiple
[Carcinoma TGLS = 3-13]			
[Fibroadenoma TGLS = 1,2-11+12]			
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 5-8]			
* Skin			
Note: "Mass, 3 cm dia, pale", noted at necropsy, was normal mammary gland and adipose tissue.			
* Thyroid Gland	C Cell	Hyperplasia	Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05135-07

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Isoprene

CAS Number: 78-79-5

Date Report Requested: 10/22/2014

Time Report Requested: 18:27:45

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 147

TRT#: 2

SEX: Female

DAY ON TEST: 735

DOSE: CONTROL

DISP: Terminal Sacrifice

HISTO: 33292

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Bone Marrow	* Brain
* Clitoral Gland	* Esophagus	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Larynx	* Lymph Node, Bronchial	* Lymph Node, Mandibular
* Lymph Node, Mediastinal	* Lymph Node, Mesenteric	* Mammary Gland	* Ovary
* Pancreas	* Parathyroid Gland	* Salivary Glands	* Skin
* Spleen	* Stomach, Forestomach	* Stomach, Glandular	* Thymus
* Trachea	* Urinary Bladder	* Uterus	

OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Mild
		Hypertrophy	Mild
Eye	Retina	Atrophy	Marked
		Cataract	Moderate
[Cataract TGLS = 2-13]			
* Heart		Cardiomyopathy	Minimal
* Kidney	Renal Tubule	Hyperplasia	Mild
		Nephropathy	Marked
[Nephropathy TGLS = 7-5]			
* Liver		Angiectasis	Moderate
		Basophilic Focus	
		Clear Cell Focus	
		Hepatodiaphragmatic Nodule	
[Angiectasis TGLS = 5-11]			
[Basophilic Focus TGLS = 7-5]			
[Clear Cell Focus TGLS = 7-5]			
[Hepatodiaphragmatic Nodule TGLS = 6-12]			
* Lung		Inflammation	Chronic Active, Minimal
* Nose		Foreign Body	
		Inflammation	Suppurative, Mild
* Pituitary Gland	Pars Distalis	Adenoma	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05135-07

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Isoprene

CAS Number: 78-79-5

Date Report Requested: 10/22/2014

Time Report Requested: 18:27:45

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 147

TRT#: 2

SEX: Female

DAY ON TEST: 735

DOSE: CONTROL

DISP: Terminal Sacrifice

HISTO: 33292

ORGAN AND ACCOUNTABLE SITE STATUS

[Adenoma TGLS = 4-8]

* Thyroid Gland

C Cell

Carcinoma

[Carcinoma TGLS = 3-2]

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05135-07

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Isoprene

CAS Number: 78-79-5

Date Report Requested: 10/22/2014

Time Report Requested: 18:27:45

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 148

TRT#: 2

SEX: Female

DAY ON TEST: 735

DOSE: CONTROL

DISP: Terminal Sacrifice

HISTO: 33293

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Bone	* Bone Marrow	* Brain	* Clitoral Gland
* Esophagus	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Larynx	* Lymph Node, Bronchial	* Lymph Node, Mediastinal	* Lymph Node, Mesenteric
* Mammary Gland	* Nose	* Ovary	* Parathyroid Gland
* Salivary Glands	* Skin	* Stomach, Forestomach	* Stomach, Glandular
* Thymus	* Trachea	* Urinary Bladder	* Uterus

OBSERVATIONS

* Adrenal Cortex		Leukemia Mononuclear	
* Adrenal Medulla		Leukemia Mononuclear	
* Heart		Cardiomyopathy	Minimal
* Kidney	Renal Tubule	Hyperplasia	Minimal
		Nephropathy	Mild
* Liver		Basophilic Focus	
		Clear Cell Focus	
		Leukemia Mononuclear	
* Lung		Inflammation	Chronic Active, Mild
* Lymph Node, Mandibular		Leukemia Mononuclear	
* Pancreas		Atrophy	Minimal
* Pituitary Gland	Pars Distalis	Adenoma	
	[Adenoma TGLS = 1-8]		
* Spleen		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLS = 1-8]		
* Thyroid Gland	C Cell	Hyperplasia	Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05135-07

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Isoprene

CAS Number: 78-79-5

Date Report Requested: 10/22/2014

Time Report Requested: 18:27:45

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 149

TRT#: 2

SEX: Female

DAY ON TEST: 736

DOSE: CONTROL

DISP: Terminal Sacrifice

HISTO: 33294

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone Marrow	* Brain	* Clitoral Gland
* Esophagus	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Larynx	* Lymph Node, Bronchial	* Lymph Node, Mandibular	* Lymph Node, Mediastinal
* Lymph Node, Mesenteric	* Mammary Gland	* Nose	* Ovary
* Pancreas	* Parathyroid Gland	* Salivary Glands	* Skin
* Spleen	* Stomach, Forestomach	* Stomach, Glandular	* Thymus
* Trachea	* Urinary Bladder		

OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Mild
* Bone		Hyperostosis	Moderate
* Heart		Cardiomyopathy	Mild
* Kidney	Renal Tubule	Hyperplasia	Mild
		Nephropathy	Moderate
* Liver		Basophilic Focus	
		Clear Cell Focus	
* Lung		Inflammation	Chronic Active, Minimal
Mesentery	Fat	Necrosis	Mild
[Necrosis TGLS = 1-12]			
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 2-8]			
* Thyroid Gland	C Cell	Hyperplasia	Mild
* Uterus	Endometrium	Adenoma	
[Adenoma TGLS = 3-11]			

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05135-07

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Isoprene

CAS Number: 78-79-5

Date Report Requested: 10/22/2014

Time Report Requested: 18:27:45

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 150

TRT#: 2

SEX: Female

DAY ON TEST: 670

DOSE: CONTROL

DISP: Moribund Sacrifice

HISTO: 33295

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- | | | | |
|--------------------------|----------------------------|---------------------------|-----------------------------|
| * Bone | * Brain | * Clitoral Gland | * Esophagus |
| * Intestine Large, Cecum | * Intestine Large, Colon | * Intestine Large, Rectum | * Intestine Small, Duodenum |
| * Intestine Small, Ileum | * Intestine Small, Jejunum | * Islets, Pancreatic | * Larynx |
| * Mammary Gland | * Nose | * Parathyroid Gland | * Salivary Glands |
| * Skin | * Stomach, Glandular | * Thymus | * Trachea |
| * Urinary Bladder | * Uterus | | |

OBSERVATIONS

- | | | | |
|---------------------------|-------------------------------------|----------------------|----------|
| * Adrenal Cortex | | Leukemia Mononuclear | |
| * Adrenal Medulla | | Leukemia Mononuclear | |
| * Bone Marrow | | Leukemia Mononuclear | |
| * Heart | | Leukemia Mononuclear | |
| * Kidney | | Leukemia Mononuclear | |
| * Liver | | Nephropathy | Minimal |
| | | Fatty Change | Moderate |
| | Centrilobular | Leukemia Mononuclear | |
| | | Necrosis | Minimal |
| | [Fatty Change TGLS = 3-4] | | |
| | [Leukemia Mononuclear TGLS = 4-4] | | |
| * Lung | | Leukemia Mononuclear | |
| | [Leukemia Mononuclear TGLS = 3-4] | | |
| * Lymph Node, Bronchial | | Leukemia Mononuclear | |
| * Lymph Node, Mandibular | | Leukemia Mononuclear | |
| * Lymph Node, Mediastinal | | Leukemia Mononuclear | |
| * Lymph Node, Mesenteric | | Leukemia Mononuclear | |
| * Ovary | | Leukemia Mononuclear | |
| | [Leukemia Mononuclear TGLS = 3-4] | | |
| * Pancreas | | Atrophy | Minimal |
| * Pituitary Gland | Pars Distalis | Adenoma | |
| | | Leukemia Mononuclear | |
| | [Adenoma TGLS = 1-8] | | |

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05135-07

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Isoprene

CAS Number: 78-79-5

Date Report Requested: 10/22/2014

Time Report Requested: 18:27:45

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 150

TRT#: 2

SEX: Female

DAY ON TEST: 670

DOSE: CONTROL

DISP: Moribund Sacrifice

HISTO: 33295

ORGAN AND ACCOUNTABLE SITE STATUS

* Spleen

Leukemia Mononuclear

[Leukemia Mononuclear TGLS = 2-11]

* Stomach, Forestomach

Necrosis

Moderate

* Thyroid Gland

C Cell

Hyperplasia

Marked

PRIMARY CAUSE OF DEATH

- Spleen Leukemia Mononuclear

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05135-07

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Isoprene

CAS Number: 78-79-5

Date Report Requested: 10/22/2014

Time Report Requested: 18:27:45

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 301

TRT#: 4

SEX: Female

DAY ON TEST: 601

DOSE: 220 PPM

DISP: Natural Death

HISTO: 33546

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- | | | | |
|--------------------------|-------------------|--------------------------|---------------------------|
| * Bone Marrow | * Brain | * Clitoral Gland | * Esophagus |
| * Islets, Pancreatic | * Larynx | * Lymph Node, Mandibular | * Lymph Node, Mediastinal |
| * Lymph Node, Mesenteric | * Mammary Gland | * Nose | * Ovary |
| * Parathyroid Gland | * Salivary Glands | * Skin | * Stomach, Forestomach |
| * Stomach, Glandular | * Thymus | * Thyroid Gland | * Trachea |
| * Urinary Bladder | * Uterus | | |

MISSING

- * Lymph Node, Bronchial

AUTO PRECLUDES DIAG.

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

OBSERVATIONS

- | | | | |
|--------------------------------------|-----------|----------------------|----------|
| * Adrenal Cortex | | Leukemia Mononuclear | |
| [Leukemia Mononuclear TGLS = 4-11] | | | |
| * Adrenal Medulla | | Hyperplasia | Mild |
| | | Leukemia Mononuclear | |
| * Bone | | Hyperostosis | Mild |
| Eye | Retina | Atrophy | Moderate |
| | | Cataract | Mild |
| [Cataract TGLS = 2-12] | | | |
| * Heart | | Cardiomyopathy | Minimal |
| * Kidney | | Leukemia Mononuclear | |
| | | Nephropathy | Minimal |
| * Liver | | Basophilic Focus | |
| | Bile Duct | Hyperplasia | Minimal |
| | | Leukemia Mononuclear | |
| [Basophilic Focus TGLS = 5-4] | | | |
| [Leukemia Mononuclear TGLS = 5-4] | | | |
| * Lung | | Leukemia Mononuclear | |
| * Pancreas | | Atrophy | Mild |

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05135-07

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Isoprene

CAS Number: 78-79-5

Date Report Requested: 10/22/2014

Time Report Requested: 18:27:45

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 301

TRT#: 4

SEX: Female

DAY ON TEST: 601

DOSE: 220 PPM

DISP: Natural Death

HISTO: 33546

ORGAN AND ACCOUNTABLE SITE STATUS

* Pituitary Gland

Pars Distalis

Adenoma

[Adenoma TGLS = 3-8]

* Spleen

Leukemia Mononuclear

[Leukemia Mononuclear TGLS = 4-11]

PRIMARY CAUSE OF DEATH

- Spleen Leukemia Mononuclear

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05135-07

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Isoprene

CAS Number: 78-79-5

Date Report Requested: 10/22/2014

Time Report Requested: 18:27:45

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 302

TRT#: 4

SEX: Female

DAY ON TEST: 736

DOSE: 220 PPM

DISP: Terminal Sacrifice

HISTO: 33547

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Bone Marrow	* Brain
* Clitoral Gland	* Esophagus	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Larynx	* Nose	* Ovary
* Pancreas	* Parathyroid Gland	* Salivary Glands	* Skin
* Stomach, Forestomach	* Stomach, Glandular	* Thymus	* Trachea
* Urinary Bladder			

OBSERVATIONS

* Adrenal Cortex		Hypertrophy	Mild
* Heart		Cardiomyopathy	Minimal
* Kidney		Nephropathy	Minimal
* Liver		Clear Cell Focus	
	Bile Duct	Hyperplasia	Minimal
		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLS = 4-11]		
* Lung		Inflammation	Chronic Active, Mild
* Lymph Node, Bronchial		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLS = 5-8]		
* Lymph Node, Mandibular		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLS = 5-8]		
* Lymph Node, Mediastinal		Leukemia Mononuclear	
* Lymph Node, Mesenteric		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLS = 5-8]		
* Mammary Gland		Fibroadenoma	
	[Fibroadenoma TGLS = 1-12]		
* Pituitary Gland	Pars Distalis	Adenoma	
	[Adenoma TGLS = 2-8]		
* Spleen		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLS = p3-4]		
* Thyroid Gland	C Cell	Hyperplasia	Minimal

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05135-07

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Isoprene

CAS Number: 78-79-5

Date Report Requested: 10/22/2014

Time Report Requested: 18:27:45

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 302

TRT#: 4

SEX: Female

DAY ON TEST: 736

DOSE: 220 PPM

DISP: Terminal Sacrifice

HISTO: 33547

ORGAN AND ACCOUNTABLE SITE STATUS

* Uterus

Polyp Stromal

Multiple

[Polyp Stromal TGLS = 5-8]

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05135-07

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Isoprene

CAS Number: 78-79-5

Date Report Requested: 10/22/2014

Time Report Requested: 18:27:45

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 303

TRT#: 4

SEX: Female

DAY ON TEST: 736

DOSE: 220 PPM

DISP: Terminal Sacrifice

HISTO: 33548

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Bone Marrow	* Brain
* Clitoral Gland	* Esophagus	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Larynx	* Lung	* Lymph Node, Mandibular
* Lymph Node, Mediastinal	* Nose	* Ovary	* Parathyroid Gland
* Skin	* Stomach, Forestomach	* Stomach, Glandular	* Thymus
* Trachea	* Urinary Bladder	* Uterus	

OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Mild
		Hypertrophy	Minimal
* Heart		Cardiomyopathy	Minimal
* Kidney		Nephropathy	Minimal
* Liver		Leukemia Mononuclear	
		Mixed Cell Focus	
[Mixed Cell Focus TGLS = 3,4-4]			
* Lymph Node, Bronchial		Leukemia Mononuclear	
* Lymph Node, Mesenteric		Leukemia Mononuclear	
* Mammary Gland		Fibroadenoma	
[Fibroadenoma TGLS = 1-11]			
* Pancreas		Atrophy	Mild
		Metaplasia	Hepatocyte, Mild
* Pituitary Gland	Pars Distalis	Hyperplasia	Moderate
* Salivary Glands		Atrophy	Mild
* Spleen		Fibrosis	Mild
		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 2-4]			
* Thyroid Gland	C Cell	Hyperplasia	Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05135-07

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Isoprene

CAS Number: 78-79-5

Date Report Requested: 10/22/2014

Time Report Requested: 18:27:45

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 304

TRT#: 4

SEX: Female

DAY ON TEST: 670

DOSE: 220 PPM

DISP: Moribund Sacrifice

HISTO: 33549

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Bone Marrow	* Brain
* Clitoral Gland	* Esophagus	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Larynx	* Lymph Node, Mandibular	* Lymph Node, Mediastinal
* Lymph Node, Mesenteric	* Nose	* Ovary	* Pancreas
* Parathyroid Gland	* Salivary Glands	* Skin	* Spleen
* Stomach, Forestomach	* Stomach, Glandular	* Trachea	* Urinary Bladder
* Uterus			

MISSING

* Lymph Node, Bronchial	* Thymus
-------------------------	----------

OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Mild
* Heart		Cardiomyopathy	Minimal
* Kidney		Nephropathy	Minimal
* Liver		Basophilic Focus	
		Clear Cell Focus	
		Hepatodiaphragmatic Nodule	
[Clear Cell Focus TGLS = 2-11]			
[Hepatodiaphragmatic Nodule TGLS = 2-11]			
* Lung		Inflammation	Chronic Active, Minimal
* Mammary Gland		Fibroadenoma	
[Fibroadenoma TGLS = 1-12+13+14]			
* Pituitary Gland	Pars Distalis	Adenoma	
* Thyroid Gland	C Cell	Hyperplasia	Mild

PRIMARY CAUSE OF DEATH	- Mammary Gland Fibroadenoma
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* PROTOCOL REQUIRED TISSUE

Experiment Number: 05135-07

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Isoprene

CAS Number: 78-79-5

Date Report Requested: 10/22/2014

Time Report Requested: 18:27:45

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 305

TRT#: 4

DOSE: 220 PPM

SEX: Female

DISP: Moribund Sacrifice

DAY ON TEST: 602

HISTO: 33550

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- | | | | |
|----------------------------|---------------------------|-----------------------------|--------------------------|
| * Bone | * Clitoral Gland | * Esophagus | * Intestine Large, Cecum |
| * Intestine Large, Colon | * Intestine Large, Rectum | * Intestine Small, Duodenum | * Intestine Small, Ileum |
| * Intestine Small, Jejunum | * Islets, Pancreatic | * Larynx | * Parathyroid Gland |
| * Salivary Glands | * Skin | * Stomach, Forestomach | * Trachea |
| * Uterus | | | |

OBSERVATIONS

- | | | | |
|--|---------------|----------------------|---------|
| * Adrenal Cortex | | Leukemia Mononuclear | |
| [Leukemia Mononuclear TGLS = 11-12] | | | |
| * Adrenal Medulla | | Leukemia Mononuclear | |
| [Leukemia Mononuclear TGLS = 11-12] | | | |
| * Bone Marrow | | Leukemia Mononuclear | |
| * Brain | | Leukemia Mononuclear | |
| * Heart | | Leukemia Mononuclear | |
| * Kidney | | Leukemia Mononuclear | |
| | | Nephropathy | Minimal |
| * Liver | | Fatty Change | Mild |
| | Bile Duct | Hyperplasia | Mild |
| | | Leukemia Mononuclear | |
| | Centrilobular | Necrosis | Mild |
| [Leukemia Mononuclear TGLS = 12,13-11] | | | |
| * Lung | | Leukemia Mononuclear | |
| Lymph Node | Lumbar | Leukemia Mononuclear | |
| | Renal | Leukemia Mononuclear | |
| | | Leukemia Mononuclear | |
| Note: Lymph node with no site listed was axillary. | | | |
| [Leukemia Mononuclear TGLS = 1-15] | | | |
| [Leukemia Mononuclear TGLS = 8-16] | | | |
| [Leukemia Mononuclear TGLS = 9-17] | | | |
| * Lymph Node, Bronchial | | Leukemia Mononuclear | |
| [Leukemia Mononuclear TGLS = 11-12] | | | |

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05135-07

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Isoprene

CAS Number: 78-79-5

Date Report Requested: 10/22/2014

Time Report Requested: 18:27:45

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 305

TRT#: 4

SEX: Female

DAY ON TEST: 602

DOSE: 220 PPM

DISP: Moribund Sacrifice

HISTO: 33550

ORGAN AND ACCOUNTABLE SITE STATUS

* Lymph Node, Mandibular [Leukemia Mononuclear TGLS = 11-12]		Leukemia Mononuclear	
* Lymph Node, Mediastinal [Leukemia Mononuclear TGLS = 5-2]		Leukemia Mononuclear	
* Lymph Node, Mesenteric [Leukemia Mononuclear TGLS = 11-12]		Leukemia Mononuclear	
* Mammary Gland [Leukemia Mononuclear TGLS = 9-17]		Leukemia Mononuclear	
Mesentery [Necrosis TGLS = 10-18]	Fat	Necrosis	Mild
* Nose	Olfactory Epi	Inflammation Metaplasia	Suppurative, Mild Mild
* Ovary [Leukemia Mononuclear TGLS = 10-18]		Leukemia Mononuclear	
* Pancreas [Leukemia Mononuclear TGLS = 10-18]		Leukemia Mononuclear	
* Pituitary Gland [Adenoma TGLS = 6-8] [Leukemia Mononuclear TGLS = 10-18]	Pars Distalis	Adenoma Leukemia Mononuclear	
* Spleen [Leukemia Mononuclear TGLS = 7-14]		Leukemia Mononuclear	
* Stomach, Glandular [Leukemia Mononuclear TGLS = 11-12] [Necrosis TGLS = 14-13]		Leukemia Mononuclear Necrosis	Mild
* Thymus [Leukemia Mononuclear TGLS = 7-14]		Leukemia Mononuclear	
* Thyroid Gland	C Cell	Hyperplasia	Minimal
* Urinary Bladder		Leukemia Mononuclear	

PRIMARY CAUSE OF DEATH - Thymus Leukemia Mononuclear

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05135-07

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Isoprene

CAS Number: 78-79-5

Date Report Requested: 10/22/2014

Time Report Requested: 18:27:45

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 306

TRT#: 4

SEX: Female

DAY ON TEST: 734

DOSE: 220 PPM

DISP: Terminal Sacrifice

HISTO: 33551

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Bone Marrow	* Brain
* Clitoral Gland	* Esophagus	* Heart	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Larynx	* Lung
* Lymph Node, Mandibular	* Lymph Node, Mediastinal	* Lymph Node, Mesenteric	* Mammary Gland
* Nose	* Ovary	* Pancreas	* Parathyroid Gland
* Salivary Glands	* Skin	* Spleen	* Stomach, Forestomach
* Stomach, Glandular	* Thymus	* Trachea	* Urinary Bladder
* Uterus			

MISSING

* Lymph Node, Bronchial

OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Moderate
		Hypertrophy	Mild
* Kidney		Nephropathy	Mild
* Liver		Basophilic Focus	
* Pituitary Gland	Pars Distalis	Adenoma	
* Thyroid Gland	C Cell	Hyperplasia	Marked

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05135-07

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Isoprene

CAS Number: 78-79-5

Date Report Requested: 10/22/2014

Time Report Requested: 18:27:45

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 307

TRT#: 4

DOSE: 220 PPM

SEX: Female

DISP: Terminal Sacrifice

DAY ON TEST: 736

HISTO: 33552

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Bone	* Bone Marrow	* Brain
* Esophagus	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Larynx	* Lymph Node, Bronchial	* Lymph Node, Mandibular	* Lymph Node, Mediastinal
* Lymph Node, Mesenteric	* Ovary	* Pancreas	* Parathyroid Gland
* Pituitary Gland	* Salivary Glands	* Spleen	* Stomach, Forestomach
* Stomach, Glandular	* Thyroid Gland	* Trachea	* Urinary Bladder
* Uterus			

MISSING

* Thymus

OBSERVATIONS

* Adrenal Medulla	Hyperplasia Pheochromocytoma Benign Carcinoma	Mild
* Clitoral Gland [Carcinoma TGLS = 1-13]		
* Heart	Cardiomyopathy	Mild
* Kidney	Nephropathy	Mild
* Liver [Hepatodiaphragmatic Nodule TGLS = 2-11]	Basophilic Focus Hepatodiaphragmatic Nodule	
* Lung	Inflammation	Chronic Active, Minimal
* Mammary Gland [Fibroadenoma TGLS = 1-13]	Fibroadenoma	
* Nose	Inflammation	Suppurative, Mild
* Skin [Inflammation TGLS = 4-12]	Inflammation	Chronic Active, Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05135-07

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Isoprene

CAS Number: 78-79-5

Date Report Requested: 10/22/2014

Time Report Requested: 18:27:45

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 308

TRT#: 4

SEX: Female

DAY ON TEST: 587

DOSE: 220 PPM

DISP: Natural Death

HISTO: 33553

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone Marrow	* Brain	* Clitoral Gland
* Esophagus	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Larynx	* Lymph Node, Bronchial	* Lymph Node, Mandibular	* Lymph Node, Mediastinal
* Lymph Node, Mesenteric	* Nose	* Ovary	* Pancreas
* Parathyroid Gland	* Pituitary Gland	* Salivary Glands	* Skin
* Stomach, Forestomach	* Thymus	* Thyroid Gland	* Trachea
* Urinary Bladder			

OBSERVATIONS

* Adrenal Cortex		Vacuolization Cytoplasmic	Mild
* Bone		Hyperostosis	Moderate
* Heart		Cardiomyopathy	Mild
* Kidney		Nephropathy	Minimal
* Liver		Basophilic Focus	
		Fatty Change	Mild
	Centrilobular	Necrosis	Minimal
* Lung		Inflammation	Chronic Active, Minimal
* Mammary Gland		Fibroadenoma	
[Fibroadenoma TGLS = 2-7]			
* Spleen		Hematopoietic Cell Proliferation	Moderate
* Stomach, Glandular		Necrosis	Mild
[Necrosis TGLS = 3-13]			
* Uterus		Sarcoma Stromal	
[Sarcoma Stromal TGLS = 1-11+12]			

PRIMARY CAUSE OF DEATH

- Uterus Sarcoma Stromal

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05135-07

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Isoprene

CAS Number: 78-79-5

Date Report Requested: 10/22/2014

Time Report Requested: 18:27:45

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 309

TRT#: 4

SEX: Female

DAY ON TEST: 685

DOSE: 220 PPM

DISP: Natural Death

HISTO: 33554

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Brain	* Clitoral Gland	* Esophagus	* Heart
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Islets, Pancreatic
* Larynx	* Lung	* Lymph Node, Bronchial	* Lymph Node, Mandibular
* Lymph Node, Mediastinal	* Lymph Node, Mesenteric	* Nose	* Ovary
* Pancreas	* Parathyroid Gland	* Salivary Glands	* Skin
* Spleen	* Stomach, Forestomach	* Stomach, Glandular	* Thymus
* Trachea	* Urinary Bladder	* Uterus	

AUTO PRECLUDES DIAG.

* Intestine Large, Cecum	* Intestine Small, Ileum	* Intestine Small, Jejunum
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OBSERVATIONS

* Kidney		Nephropathy	Mild
* Liver		Basophilic Focus	
* Mammary Gland		Fibroadenoma	
[Fibroadenoma TGLS = 1-11]			
Mesentery	Fat	Necrosis	Mild
[Necrosis TGLS = 2-12]			
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 3-8]			
* Thyroid Gland	Follicular Cel	Hyperplasia	Minimal

PRIMARY CAUSE OF DEATH

- Pituitary Gland Pars Distalis Adenoma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05135-07

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Isoprene

CAS Number: 78-79-5

Date Report Requested: 10/22/2014

Time Report Requested: 18:27:45

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 310

TRT#: 4

SEX: Female

DAY ON TEST: 734

DOSE: 220 PPM

DISP: Terminal Sacrifice

HISTO: 33555

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Brain	* Esophagus	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Larynx	* Lymph Node, Bronchial	* Lymph Node, Mandibular
* Lymph Node, Mediastinal	* Lymph Node, Mesenteric	* Nose	* Ovary
* Pancreas	* Salivary Glands	* Skin	* Spleen
* Stomach, Forestomach	* Stomach, Glandular	* Thymus	* Trachea
* Urinary Bladder	* Uterus		

INSUFFICIENT TISSUE

* Parathyroid Gland

OBSERVATIONS

* Clitoral Gland		Adenoma	
* Heart		Cardiomyopathy	Mild
* Kidney		Nephropathy	Mild
* Liver		Basophilic Focus	
		Clear Cell Focus	
* Lung		Inflammation	Chronic Active, Minimal
* Mammary Gland		Fibroadenoma	
[Fibroadenoma TGLS = 1-11]			
* Pituitary Gland	Pars Distalis	Hyperplasia	Moderate
* Thyroid Gland	C Cell	Hyperplasia	Marked

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05135-07

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Isoprene

CAS Number: 78-79-5

Date Report Requested: 10/22/2014

Time Report Requested: 18:27:45

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 311

TRT#: 4

SEX: Female

DAY ON TEST: 735

DOSE: 220 PPM

DISP: Terminal Sacrifice

HISTO: 33556

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Bone Marrow	* Brain
* Clitoral Gland	* Esophagus	* Heart	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Larynx	* Lymph Node, Bronchial
* Lymph Node, Mandibular	* Lymph Node, Mediastinal	* Lymph Node, Mesenteric	* Mammary Gland
* Pancreas	* Parathyroid Gland	* Salivary Glands	* Skin
* Spleen	* Stomach, Forestomach	* Stomach, Glandular	* Thymus
* Trachea	* Urinary Bladder	* Uterus	

OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Minimal
* Kidney		Nephropathy	Mild
* Liver	Bile Duct	Basophilic Focus	
		Hyperplasia	Minimal
		Mixed Cell Focus	
[Basophilic Focus TGLS = 2-11]			
[Mixed Cell Focus TGLS = 3-12]			
* Lung	Alveolar Epith	Hyperplasia	Minimal
		Inflammation	Chronic Active, Minimal
* Nose		Foreign Body	
		Inflammation	Suppurative, Minimal
* Ovary		Cyst	Minimal
* Pituitary Gland	Pars Distalis	Hyperplasia	Mild
[Hyperplasia TGLS = 1-8]			
* Thyroid Gland	C Cell	Hyperplasia	Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05135-07

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Isoprene

CAS Number: 78-79-5

Date Report Requested: 10/22/2014

Time Report Requested: 18:27:45

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 312

TRT#: 4

SEX: Female

DAY ON TEST: 735

DOSE: 220 PPM

DISP: Terminal Sacrifice

HISTO: 33557

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Bone Marrow	* Brain
* Clitoral Gland	* Esophagus	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Larynx	* Lymph Node, Bronchial	* Lymph Node, Mandibular
* Lymph Node, Mesenteric	* Nose	* Ovary	* Pancreas
* Parathyroid Gland	* Salivary Glands	* Skin	* Spleen
* Stomach, Forestomach	* Stomach, Glandular	* Thymus	* Trachea
* Urinary Bladder	* Uterus		

MISSING

* Lymph Node, Mediastinal

OBSERVATIONS

* Adrenal Cortex		Adenoma	
		Hyperplasia	Mild
* Heart		Cardiomyopathy	Minimal
* Kidney		Nephropathy	Minimal
* Liver		Basophilic Focus	
* Lung	Alveolar Epith	Hyperplasia	Minimal
		Inflammation	Chronic Active, Minimal
		Fibroadenoma	
* Mammary Gland			
[Fibroadenoma TGLS = 1-11+12+13]			
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 2-8]			
* Thyroid Gland	C Cell	Hyperplasia	Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05135-07

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Isoprene

CAS Number: 78-79-5

Date Report Requested: 10/22/2014

Time Report Requested: 18:27:45

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 313

TRT#: 4

SEX: Female

DAY ON TEST: 736

DOSE: 220 PPM

DISP: Terminal Sacrifice

HISTO: 33558

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Bone Marrow	* Brain
* Esophagus	* Heart	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Larynx	* Lymph Node, Bronchial	* Lymph Node, Mandibular
* Lymph Node, Mediastinal	* Lymph Node, Mesenteric	* Pancreas	* Parathyroid Gland
* Salivary Glands	* Skin	* Stomach, Forestomach	* Stomach, Glandular
* Thymus	* Trachea	* Urinary Bladder	* Uterus

OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Mild
* Clitoral Gland		Carcinoma	
[Carcinoma TGLS = 3-14+15]			
Eye	Retina	Atrophy	Moderate
		Cataract	Moderate
[Cataract TGLS = 4-16]			
* Kidney		Nephropathy	Minimal
* Liver		Basophilic Focus	
* Lung		Inflammation	Chronic Active, Minimal
* Mammary Gland		Fibroadenoma	Multiple
[Fibroadenoma TGLS = 1,2-12+13]			
* Nose	Respirat Epith	Inflammation	Suppurative, Minimal
		Metaplasia	Squamous, Minimal
* Ovary		Cyst	Mild
[Cyst TGLS = 7-7]			
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 5-8]			
* Spleen		Hematopoietic Cell Proliferation	Moderate
[Hematopoietic Cell Proliferation TGLS = 6-11]			
* Thyroid Gland	C Cell	Hyperplasia	Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05135-07

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Isoprene

CAS Number: 78-79-5

Date Report Requested: 10/22/2014

Time Report Requested: 18:27:45

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 314

TRT#: 4

SEX: Female

DAY ON TEST: 622

DOSE: 220 PPM

DISP: Moribund Sacrifice

HISTO: 33559

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Bone	* Esophagus	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Larynx	* Mammary Gland	* Parathyroid Gland
* Salivary Glands	* Skin	* Stomach, Glandular	* Thymus
* Trachea	* Uterus		

OBSERVATIONS

* Adrenal Cortex		Leukemia Mononuclear	
* Adrenal Medulla		Leukemia Mononuclear	
* Bone Marrow		Leukemia Mononuclear	
* Brain		Leukemia Mononuclear	
* Clitoral Gland		Inflammation	Chronic Active, Moderate
[Inflammation TGLS = 1-12]			
* Heart		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 1-12]			
* Kidney		Infarct	Moderate
[Infarct TGLS = 7,8-5]		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 1-12]			
* Liver	Bile Duct	Hyperplasia	Mild
[Leukemia Mononuclear TGLS = 6-4]		Leukemia Mononuclear	
* Lung		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 6-4]			
Lymph Node	Pancreatic	Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 5-13]			
* Lymph Node, Bronchial		Leukemia Mononuclear	
* Lymph Node, Mandibular		Leukemia Mononuclear	
* Lymph Node, Mediastinal		Leukemia Mononuclear	
* Lymph Node, Mesenteric		Leukemia Mononuclear	
* Nose		Leukemia Mononuclear	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05135-07

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Isoprene

CAS Number: 78-79-5

Date Report Requested: 10/22/2014

Time Report Requested: 18:27:45

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 314

TRT#: 4

SEX: Female

DAY ON TEST: 622

DOSE: 220 PPM

DISP: Moribund Sacrifice

HISTO: 33559

ORGAN AND ACCOUNTABLE SITE STATUS

* Ovary [Leukemia Mononuclear TGLS = 5-13]		Leukemia Mononuclear	
* Pancreas [Leukemia Mononuclear TGLS = 5-13]		Atrophy Leukemia Mononuclear	Minimal
* Pituitary Gland	Pars Distalis	Hyperplasia Leukemia Mononuclear	Moderate
* Spleen [Leukemia Mononuclear TGLS = 2-11]		Leukemia Mononuclear Metaplasia	Osseous, Mild
* Stomach, Forestomach		Leukemia Mononuclear	
* Thyroid Gland	C Cell	Hyperplasia	Mild
* Urinary Bladder		Leukemia Mononuclear	

PRIMARY CAUSE OF DEATH - Spleen Leukemia Mononuclear

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05135-07

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Isoprene

CAS Number: 78-79-5

Date Report Requested: 10/22/2014

Time Report Requested: 18:27:45

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 315

TRT#: 4

SEX: Female

DAY ON TEST: 735

DOSE: 220 PPM

DISP: Terminal Sacrifice

HISTO: 33560

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Bone Marrow	* Brain
* Clitoral Gland	* Esophagus	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Larynx	* Lymph Node, Bronchial	* Lymph Node, Mandibular
* Lymph Node, Mediastinal	* Lymph Node, Mesenteric	* Mammary Gland	* Nose
* Parathyroid Gland	* Salivary Glands	* Skin	* Spleen
* Stomach, Forestomach	* Stomach, Glandular	* Thymus	* Trachea
* Urinary Bladder	* Uterus		

OBSERVATIONS

* Adrenal Cortex		Inflammation	Granulomatous, Mild
* Heart		Cardiomyopathy	Minimal
* Kidney		Nephropathy	Mild
* Liver		Basophilic Focus	
* Lung		Inflammation	Chronic Active, Minimal
Mesentery	Fat	Necrosis	Mild
[Necrosis TGLS = 1-11]			
* Ovary		Inflammation	Granulomatous, Moderate
* Pancreas		Atrophy	Minimal
* Pituitary Gland	Pars Distalis	Hyperplasia	Minimal
* Thyroid Gland	C Cell	Hyperplasia	Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05135-07

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Isoprene

CAS Number: 78-79-5

Date Report Requested: 10/22/2014

Time Report Requested: 18:27:45

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 316

TRT#: 4

SEX: Female

DAY ON TEST: 695

DOSE: 220 PPM

DISP: Moribund Sacrifice

HISTO: 33561

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Brain	* Esophagus	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Larynx	* Parathyroid Gland	* Skin
* Stomach, Forestomach	* Stomach, Glandular	* Trachea	

MISSING

* Clitoral Gland

OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Mild
		Leukemia Mononuclear	
* Adrenal Medulla		Leukemia Mononuclear	
* Bone		Hyperostosis	Moderate
* Bone Marrow		Leukemia Mononuclear	
* Heart		Leukemia Mononuclear	
* Kidney		Leukemia Mononuclear	
		Nephropathy	Mild
* Liver	Bile Duct	Hyperplasia	Mild
		Leukemia Mononuclear	
	Centrilobular	Necrosis	Mild
	[Leukemia Mononuclear TGLS = 2-4]		
* Lung		Leukemia Mononuclear	
Lymph Node	Pancreatic	Leukemia Mononuclear	
* Lymph Node, Bronchial		Leukemia Mononuclear	
* Lymph Node, Mandibular		Leukemia Mononuclear	
* Lymph Node, Mediastinal		Leukemia Mononuclear	
* Lymph Node, Mesenteric		Leukemia Mononuclear	
* Mammary Gland		Fibroadenoma	
		Leukemia Mononuclear	
	[Fibroadenoma TGLS = 1-12]		
	[Leukemia Mononuclear TGLS = 1-12]		
* Nose		Thrombosis	Minimal

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05135-07

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Isoprene

CAS Number: 78-79-5

Date Report Requested: 10/22/2014

Time Report Requested: 18:27:45

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 316

TRT#: 4

SEX: Female

DAY ON TEST: 695

DOSE: 220 PPM

DISP: Moribund Sacrifice

HISTO: 33561

ORGAN AND ACCOUNTABLE SITE STATUS

* Ovary		Leukemia Mononuclear
[Leukemia Mononuclear TGLS = 1-12]		
* Pancreas		Leukemia Mononuclear
[Leukemia Mononuclear TGLS = 1-12]		
* Pituitary Gland	Pars Distalis	Adenoma
[Adenoma TGLS = 3-8]		Leukemia Mononuclear
[Leukemia Mononuclear TGLS = 1-12]		
* Salivary Glands		Leukemia Mononuclear
[Leukemia Mononuclear TGLS = 3-8]		
* Spleen		Leukemia Mononuclear
[Leukemia Mononuclear TGLS = 4-11]		
* Thymus		Leukemia Mononuclear
[Leukemia Mononuclear TGLS = 4-11]		
* Thyroid Gland	C Cell	Adenoma
* Urinary Bladder		Leukemia Mononuclear
* Uterus		Leukemia Mononuclear

PRIMARY CAUSE OF DEATH - Thymus Leukemia Mononuclear

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05135-07

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Isoprene

CAS Number: 78-79-5

Date Report Requested: 10/22/2014

Time Report Requested: 18:27:45

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 317

TRT#: 4

SEX: Female

DAY ON TEST: 735

DOSE: 220 PPM

DISP: Terminal Sacrifice

HISTO: 33562

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Bone	* Bone Marrow	* Brain	* Esophagus
* Heart	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Larynx	* Lymph Node, Bronchial	* Lymph Node, Mandibular	* Lymph Node, Mediastinal
* Lymph Node, Mesenteric	* Nose	* Ovary	* Pancreas
* Parathyroid Gland	* Salivary Glands	* Spleen	* Stomach, Forestomach
* Stomach, Glandular	* Thymus	* Trachea	* Urinary Bladder
* Uterus			

OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Mild
* Adrenal Medulla		Pheochromocytoma Benign	
* Clitoral Gland		Hyperplasia	Mild
* Kidney		Nephropathy	Mild
* Liver		Basophilic Focus	
		Mixed Cell Focus	
[Mixed Cell Focus TGLS = 4-13]			
* Lung		Inflammation	Chronic Active, Mild
[Inflammation TGLS = 2-3+3A+12]			
* Mammary Gland		Fibroadenoma	Multiple
[Fibroadenoma TGLS = 3-14+15]			
* Pituitary Gland	Pars Distalis	Adenoma	
* Skin	Sebaceous Gl	Adenoma	
[Adenoma TGLS = 1-11]			
* Thyroid Gland	C Cell	Adenoma	

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05135-07

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Isoprene

CAS Number: 78-79-5

Date Report Requested: 10/22/2014

Time Report Requested: 18:27:45

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 318

TRT#: 4

SEX: Female

DAY ON TEST: 735

DOSE: 220 PPM

DISP: Terminal Sacrifice

HISTO: 33563

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Bone Marrow	* Brain
* Clitoral Gland	* Esophagus	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Larynx	* Lymph Node, Bronchial	* Lymph Node, Mandibular
* Lymph Node, Mediastinal	* Lymph Node, Mesenteric	* Nose	* Ovary
* Pancreas	* Parathyroid Gland	* Salivary Glands	* Skin
* Spleen	* Stomach, Forestomach	* Stomach, Glandular	* Thymus
* Trachea	* Urinary Bladder	* Uterus	

OBSERVATIONS

* Adrenal Cortex		Hypertrophy	Mild
* Heart		Cardiomyopathy	Mild
* Kidney		Nephropathy	Moderate
[Nephropathy TGLS = 2-5]			
* Liver		Angiectasis	Marked
		Basophilic Focus	
		Clear Cell Focus	
		Degeneration	Cystic, Mild
[Angiectasis TGLS = 5-13]			
[Basophilic Focus TGLS = 2-5]			
[Clear Cell Focus TGLS = 2-5]			
[Degeneration TGLS = 6-14]			
* Lung		Inflammation	Chronic Active, Minimal
* Mammary Gland		Fibroadenoma	Multiple
[Fibroadenoma TGLS = 1,3-12+11]			
* Pituitary Gland	Pars Distalis	Adenoma	
* Thyroid Gland	C Cell	Carcinoma	
[Carcinoma TGLS = 4-2]			

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05135-07

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Isoprene

CAS Number: 78-79-5

Date Report Requested: 10/22/2014

Time Report Requested: 18:27:45

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 319

TRT#: 4

SEX: Female

DAY ON TEST: 736

DOSE: 220 PPM

DISP: Terminal Sacrifice

HISTO: 33564

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Bone Marrow	* Brain
* Clitoral Gland	* Esophagus	* 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	* Ovary
* Parathyroid Gland	* Salivary Glands	* Skin	* Spleen
* Stomach, Forestomach	* Stomach, Glandular	* Thyroid Gland	* Trachea
* Urinary Bladder	* Uterus		

MISSING

* Thymus

OBSERVATIONS

* Adrenal Cortex		Vacuolization Cytoplasmic	Mild
* Heart		Cardiomyopathy	Mild
* Kidney		Nephropathy	Mild
* Liver		Clear Cell Focus	
* Mammary Gland		Fibroadenoma	
[Fibroadenoma TGLS = 1-11]			
* Nose	Olfactory Epi	Atrophy	Minimal
* Pancreas		Atrophy	Minimal
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 2-8]			

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05135-07

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Isoprene

CAS Number: 78-79-5

Date Report Requested: 10/22/2014

Time Report Requested: 18:27:45

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 320

TRT#: 4

SEX: Female

DAY ON TEST: 735

DOSE: 220 PPM

DISP: Terminal Sacrifice

HISTO: 33565

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Bone Marrow	* Brain
* Clitoral Gland	* Esophagus	* Heart	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Larynx	* Lymph Node, Mandibular
* Lymph Node, Mesenteric	* Mammary Gland	* Nose	* Ovary
* Parathyroid Gland	* Salivary Glands	* Spleen	* Stomach, Forestomach
* Stomach, Glandular	* Thymus	* Trachea	* Urinary Bladder
* Uterus			

MISSING

* Lymph Node, Bronchial	* Lymph Node, Mediastinal
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OBSERVATIONS

* Adrenal Cortex		Hypertrophy	Minimal
* Kidney		Nephropathy	Mild
* Liver		Basophilic Focus	
* Lung		Inflammation	Chronic Active, Minimal
* Pancreas		Atrophy	Mild
* Pituitary Gland	Pars Distalis	Hyperplasia	Moderate
* Skin	Subcut Tiss	Sarcoma	
[Sarcoma TGLS = 1-11+12]			
* Thyroid Gland	C Cell	Hyperplasia	Marked

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05135-07

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Isoprene

CAS Number: 78-79-5

Date Report Requested: 10/22/2014

Time Report Requested: 18:27:45

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 321

TRT#: 4

SEX: Female

DAY ON TEST: 734

DOSE: 220 PPM

DISP: Terminal Sacrifice

HISTO: 33566

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Bone Marrow	* Brain
* Esophagus	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Larynx	* Lung	* Lymph Node, Bronchial	* Lymph Node, Mediastinal
* Lymph Node, Mesenteric	* Nose	* Ovary	* Pancreas
* Parathyroid Gland	* Salivary Glands	* Skin	* Stomach, Forestomach
* Stomach, Glandular	* Thymus	* Trachea	* Urinary Bladder
* Uterus			

MISSING

* Clitoral Gland	* Lymph Node, Mandibular
------------------	--------------------------

OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Mild
* Heart		Cardiomyopathy	Minimal
* Kidney		Nephropathy	Minimal
* Liver		Basophilic Focus	
		Hepatodiaphragmatic Nodule	
	Bile Duct	Hyperplasia	Minimal
		Leukemia Mononuclear	
[Basophilic Focus TGLS = 5-4]			
[Hepatodiaphragmatic Nodule TGLS = 4-4]			
[Leukemia Mononuclear TGLS = 5-4]			
* Mammary Gland		Fibroadenoma	
[Fibroadenoma TGLS = 1-12+13]			
* Pituitary Gland	Pars Distalis	Hyperplasia	Mild
[Hyperplasia TGLS = 2-8]			
* Spleen		Fibrosis	Minimal
		Leukemia Mononuclear	
[Fibrosis TGLS = 3-11]			
[Leukemia Mononuclear TGLS = 2-8]			
* Thyroid Gland	C Cell	Hyperplasia	Minimal

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05135-07

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Isoprene

CAS Number: 78-79-5

Date Report Requested: 10/22/2014

Time Report Requested: 18:27:45

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 321

TRT#: 4

SEX: Female

DAY ON TEST: 734

DOSE: 220 PPM

DISP: Terminal Sacrifice

HISTO: 33566

ORGAN AND ACCOUNTABLE SITE STATUS

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05135-07

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Isoprene

CAS Number: 78-79-5

Date Report Requested: 10/22/2014

Time Report Requested: 18:27:45

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 322

TRT#: 4

SEX: Female

DAY ON TEST: 736

DOSE: 220 PPM

DISP: Terminal Sacrifice

HISTO: 33567

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Bone Marrow	* Brain
* Clitoral Gland	* Esophagus	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Larynx	* Lymph Node, Mandibular	* Lymph Node, Mesenteric
* Nose	* Ovary	* Pancreas	* Parathyroid Gland
* Pituitary Gland	* Salivary Glands	* Skin	* Spleen
* Stomach, Forestomach	* Stomach, Glandular	* Thymus	* Trachea
* Urinary Bladder	* Uterus		

MISSING

* Lymph Node, Bronchial	* Lymph Node, Mediastinal
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OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Mild
* Heart		Cardiomyopathy	Mild
* Kidney		Nephropathy	Minimal
* Liver		Angiectasis	Minimal
		Basophilic Focus	
* Lung		Inflammation	Chronic Active, Minimal
* Mammary Gland		Fibroadenoma	
[Fibroadenoma TGLS = 1-11]			
* Thyroid Gland	C Cell	Hyperplasia	Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05135-07

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Isoprene

CAS Number: 78-79-5

Date Report Requested: 10/22/2014

Time Report Requested: 18:27:45

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 323

TRT#: 4

SEX: Female

DAY ON TEST: 736

DOSE: 220 PPM

DISP: Terminal Sacrifice

HISTO: 33568

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Bone Marrow	* Brain
* Clitoral Gland	* Esophagus	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Larynx	* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Nose
* Ovary	* Pancreas	* Parathyroid Gland	* Salivary Glands
* Skin	* Spleen	* Stomach, Forestomach	* Stomach, Glandular
* Thymus	* Trachea	* Urinary Bladder	* Uterus

MISSING

* Lymph Node, Bronchial	* Lymph Node, Mediastinal
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OBSERVATIONS

* Adrenal Cortex		Ectopic Tissue	Minimal
* Heart		Cardiomyopathy	Minimal
* Intestine Small, Duodenum		Fibroma	
[Fibroma TGLS = 5-11]			
* Kidney		Nephropathy	Mild
* Liver		Basophilic Focus	
* Lung		Inflammation	Chronic Active, Minimal
* Mammary Gland		Carcinoma	
[Carcinoma TGLS = 1-14+15]		Fibroadenoma	Multiple
[Fibroadenoma TGLS = 1,3,4-14+15+13+12]			
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 2-8]			
* Thyroid Gland	C Cell	Hyperplasia	Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05135-07

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Isoprene

CAS Number: 78-79-5

Date Report Requested: 10/22/2014

Time Report Requested: 18:27:45

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 324

TRT#: 4

SEX: Female

DAY ON TEST: 694

DOSE: 220 PPM

DISP: Moribund Sacrifice

HISTO: 33569

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Clitoral Gland	* Esophagus	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Larynx	* Lymph Node, Mesenteric	* Mammary Gland	* Nose
* Pancreas	* Parathyroid Gland	* Salivary Glands	* Skin
* Stomach, Glandular	* Thymus	* Trachea	* Urinary Bladder

INSUFFICIENT TISSUE

* Intestine Large, Rectum

OBSERVATIONS

* Adrenal Cortex		Hypertrophy	Minimal
		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 4-12]			
* Adrenal Medulla		Hyperplasia	Moderate
		Leukemia Mononuclear	
* Bone		Hyperostosis	Moderate
* Bone Marrow		Leukemia Mononuclear	
* Brain		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 5,6-1]			
* Heart		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 5,6-1]			
* Kidney		Leukemia Mononuclear	
		Nephropathy	Mild
[Leukemia Mononuclear TGLS = 5,6-1]			
* Liver		Basophilic Focus	
		Fatty Change	Moderate
		Leukemia Mononuclear	
	Centrilobular	Necrosis	Minimal
[Leukemia Mononuclear TGLS = 1-4]			
* Lung		Leukemia Mononuclear	
* Lymph Node, Bronchial		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 4-12]			

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05135-07

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Isoprene

CAS Number: 78-79-5

Date Report Requested: 10/22/2014

Time Report Requested: 18:27:45

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 324

TRT#: 4

SEX: Female

DAY ON TEST: 694

DOSE: 220 PPM

DISP: Moribund Sacrifice

HISTO: 33569

ORGAN AND ACCOUNTABLE SITE STATUS

* Lymph Node, Mandibular [Leukemia Mononuclear TGLS = 4-12]		Leukemia Mononuclear	
* Lymph Node, Mediastinal		Leukemia Mononuclear	
* Ovary		Leukemia Mononuclear	
* Pituitary Gland Pars Distalis [Adenoma TGLS = 3-8] [Leukemia Mononuclear TGLS = 3-8]		Adenoma Leukemia Mononuclear	
* Spleen [Leukemia Mononuclear TGLS = 2-11]		Leukemia Mononuclear	
* Stomach, Forestomach		Necrosis	Mild
* Thyroid Gland C Cell		Hyperplasia	Mild
* Uterus [Polyp Stromal TGLS = 4-12]		Leukemia Mononuclear Polyp Stromal	

PRIMARY CAUSE OF DEATH - Spleen Leukemia Mononuclear

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05135-07

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Isoprene

CAS Number: 78-79-5

Date Report Requested: 10/22/2014

Time Report Requested: 18:27:45

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 325

TRT#: 4

SEX: Female

DAY ON TEST: 727

DOSE: 220 PPM

DISP: Moribund Sacrifice

HISTO: 33570

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Brain	* Esophagus	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Larynx	* Lung	* Lymph Node, Bronchial
* Lymph Node, Mandibular	* Lymph Node, Mediastinal	* Lymph Node, Mesenteric	* Nose
* Ovary	* Parathyroid Gland	* Salivary Glands	* Skin
* Stomach, Forestomach	* Stomach, Glandular	* Thymus	* Trachea
* Urinary Bladder	* Uterus		

OBSERVATIONS

* Clitoral Gland [Carcinoma TGLS = 3-12+13]	Bilateral	Carcinoma	
* Heart		Cardiomyopathy	Mild
* Kidney		Nephropathy	Mild
* Liver Note: "Nodule, 7x4 mm, pale", noted at necropsy, was variation in normal lobar morphology.		Basophilic Focus	
* Mammary Gland [Fibroadenoma TGLS = 1,2-15+14]		Fibroadenoma	Multiple
* Pancreas		Hyperplasia	Moderate
* Pituitary Gland [Hyperplasia TGLS = 5-8]	Pars Distalis	Hyperplasia	Moderate
* Spleen		Hematopoietic Cell Proliferation	Moderate
* Thyroid Gland	C Cell	Hyperplasia	Minimal

PRIMARY CAUSE OF DEATH - Clitoral Gland Bilateral Carcinoma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05135-07

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Isoprene

CAS Number: 78-79-5

Date Report Requested: 10/22/2014

Time Report Requested: 18:27:45

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 326

TRT#: 4

SEX: Female

DAY ON TEST: 626

DOSE: 220 PPM

DISP: Natural Death

HISTO: 33571

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- | | | | |
|--------------------------|---------------------------|--------------------------|-------------------------|
| * Adrenal Cortex | * Adrenal Medulla | * Bone | * Clitoral Gland |
| * Esophagus | * Islets, Pancreatic | * Larynx | * Lymph Node, Bronchial |
| * Lymph Node, Mandibular | * Lymph Node, Mediastinal | * Lymph Node, Mesenteric | * Mammary Gland |
| * Ovary | * Pancreas | * Salivary Glands | * Skin |
| * Spleen | * Stomach, Forestomach | * Thymus | * Urinary Bladder |
| * Uterus | | | |

MISSING

- * Parathyroid Gland

AUTO PRECLUDES DIAG.

- | | | | |
|-----------------------------|--------------------------|----------------------------|---------------------------|
| * Bone Marrow | * Intestine Large, Cecum | * Intestine Large, Colon | * Intestine Large, Rectum |
| * Intestine Small, Duodenum | * Intestine Small, Ileum | * Intestine Small, Jejunum | * Kidney |
| * Stomach, Glandular | * Trachea | | |

OBSERVATIONS

- | | | | |
|----------------------------------|---------------|------------------|----------------------------|
| * Brain | | Degeneration | Focal, Moderate |
| [Degeneration TGLS = 5-1] | | | |
| * Eye | | Cataract | Minimal |
| [Cataract TGLS = 1-12] | | | |
| * Heart | | Cardiomyopathy | Mild |
| * Liver | | Basophilic Focus | |
| [Mixed Cell Focus TGLS = 3-11] | | Mixed Cell Focus | |
| * Lung | | Carcinoma | Metastatic (Thyroid Gland) |
| Mesentery | Fat | Necrosis | Mild |
| [Necrosis TGLS = 2-13] | | | |
| * Nose | | Inflammation | Suppurative, Moderate |
| | Olfactory Epi | Metaplasia | Moderate |
| * Pituitary Gland | Pars Distalis | Adenoma | |
| * Thyroid Gland | C Cell | Carcinoma | |
| [Carcinoma TGLS = 6-2] | | | |

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05135-07

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Isoprene

CAS Number: 78-79-5

Date Report Requested: 10/22/2014

Time Report Requested: 18:27:45

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 326

TRT#: 4

SEX: Female

DAY ON TEST: 626

DOSE: 220 PPM

DISP: Natural Death

HISTO: 33571

ORGAN AND ACCOUNTABLE SITE STATUS

PRIMARY CAUSE OF DEATH

- Thyroid Gland C Cell Carcinoma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05135-07

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Isoprene

CAS Number: 78-79-5

Date Report Requested: 10/22/2014

Time Report Requested: 18:27:45

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 327

TRT#: 4

SEX: Female

DAY ON TEST: 693

DOSE: 220 PPM

DISP: Moribund Sacrifice

HISTO: 33572

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Brain	* Clitoral Gland	* Esophagus	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Larynx	* Lymph Node, Mediastinal
* Lymph Node, Mesenteric	* Mammary Gland	* Pancreas	* Parathyroid Gland
* Salivary Glands	* Skin	* Stomach, Glandular	* Thymus
* Thyroid Gland	* Trachea	* Urinary Bladder	* Uterus

MISSING

* Lymph Node, Bronchial

OBSERVATIONS

* Adrenal Cortex		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 2-10]			
* Adrenal Medulla		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 2-10]			
* Bone		Hyperostosis	Mild
* Bone Marrow		Leukemia Mononuclear	
* Heart		Leukemia Mononuclear	
* Kidney		Leukemia Mononuclear	
		Nephropathy	Mild
* Liver		Leukemia Mononuclear	
* Lung		Inflammation	Chronic Active, Minimal
		Leukemia Mononuclear	
Lymph Node	Pancreatic	Leukemia Mononuclear	
* Lymph Node, Mandibular		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 2-10]			
* Nose		Squamous Cell Carcinoma	Metastatic (Oral Mucosa)
		Thrombosis	Mild
Oral Mucosa	Pharyngeal	Squamous Cell Carcinoma	
[Squamous Cell Carcinoma TGLS = 2-10]			
* Ovary		Leukemia Mononuclear	
* Pituitary Gland	Pars Distalis	Hyperplasia	Moderate

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05135-07

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Isoprene

CAS Number: 78-79-5

Date Report Requested: 10/22/2014

Time Report Requested: 18:27:45

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 327

TRT#: 4

SEX: Female

DAY ON TEST: 693

DOSE: 220 PPM

DISP: Moribund Sacrifice

HISTO: 33572

ORGAN AND ACCOUNTABLE SITE STATUS

* Spleen
[Leukemia Mononuclear TGLS = 4-11]

Leukemia Mononuclear
Leukemia Mononuclear

* Stomach, Forestomach
[Diverticulum TGLS = 5-12]

Diverticulum

PRIMARY CAUSE OF DEATH - Spleen Leukemia Mononuclear

CONTRIBUTORY CAUSE OF DEATH - Adrenal Cortex Leukemia Mononuclear;Adrenal Medulla Leukemia Mononuclear;Lymph Node;Mandibular Leukemia Mononuclear;Oral Mucosa
Pharyngeal Squamous Cell Carcinoma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05135-07

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Isoprene

CAS Number: 78-79-5

Date Report Requested: 10/22/2014

Time Report Requested: 18:27:45

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 328

TRT#: 4

SEX: Female

DAY ON TEST: 735

DOSE: 220 PPM

DISP: Terminal Sacrifice

HISTO: 33573

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Brain	* Clitoral Gland
* Esophagus	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Larynx	* Lymph Node, Bronchial	* Lymph Node, Mandibular	* Lymph Node, Mediastinal
* Lymph Node, Mesenteric	* Nose	* Ovary	* Pancreas
* Parathyroid Gland	* Salivary Glands	* Skin	* Spleen
* Stomach, Forestomach	* Stomach, Glandular	* Thymus	* Thyroid Gland
* Trachea	* Urinary Bladder	* Uterus	

OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Mild
* Bone Marrow		Hyperplasia	Histiocytic, Mild
* Heart		Cardiomyopathy	Mild
* Kidney		Nephropathy	Mild
* Liver		Basophilic Focus	
		Eosinophilic Focus	
		Mixed Cell Focus	
	[Eosinophilic Focus TGLS = 8-11]		
	[Mixed Cell Focus TGLS = 5,7-4+12]		
* Lung		Inflammation	Chronic Active, Minimal
* Mammary Gland		Fibroadenoma	Multiple
	[Fibroadenoma TGLS = 2,3,4-16+14+15+13]		
* Pituitary Gland	Pars Distalis	Adenoma	
	[Adenoma TGLS = 6-8]		

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05135-07

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Isoprene

CAS Number: 78-79-5

Date Report Requested: 10/22/2014

Time Report Requested: 18:27:45

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 329

TRT#: 4

SEX: Female

DAY ON TEST: 670

DOSE: 220 PPM

DISP: Moribund Sacrifice

HISTO: 33574

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Bone Marrow	* Brain
* Esophagus	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Larynx	* Lymph Node, Bronchial	* Lymph Node, Mandibular	* Lymph Node, Mediastinal
* Lymph Node, Mesenteric	* Nose	* Ovary	* Pancreas
* Parathyroid Gland	* Salivary Glands	* Spleen	* Stomach, Forestomach
* Stomach, Glandular	* Thymus	* Trachea	* Urinary Bladder
* Uterus			

OBSERVATIONS

* Adrenal Cortex		Hypertrophy	Mild
* Clitoral Gland		Adenoma	
Eye		Degeneration	Moderate
[Degeneration TGLS = 4-14]			
* Heart		Cardiomyopathy	Minimal
* Kidney		Nephropathy	Mild
* Liver		Basophilic Focus	
	Bile Duct	Cyst	Mild
		Mixed Cell Focus	
[Basophilic Focus TGLS = 8-4]			
[Cyst TGLS = 8-4]			
[Mixed Cell Focus TGLS = 7-4+13]			
* Lung		Inflammation	Chronic Active, Minimal
* Mammary Gland		Fibroadenoma	Multiple
[Fibroadenoma TGLS = 1,6-12+11]			
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 5-8]			
* Skin		Keratoacanthoma	
[Keratoacanthoma TGLS = 1-12]			
* Thyroid Gland	C Cell	Hyperplasia	Minimal

PRIMARY CAUSE OF DEATH - Pituitary Gland Pars Distalis Adenoma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05135-07

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Isoprene

CAS Number: 78-79-5

Date Report Requested: 10/22/2014

Time Report Requested: 18:27:45

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 330

TRT#: 4

SEX: Female

DAY ON TEST: 664

DOSE: 220 PPM

DISP: Moribund Sacrifice

HISTO: 33575

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Clitoral Gland	* Esophagus	* Heart	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Larynx	* Lung
* Lymph Node, Bronchial	* Lymph Node, Mandibular	* Lymph Node, Mediastinal	* Lymph Node, Mesenteric
* Nose	* Ovary	* Pancreas	* Parathyroid Gland
* Salivary Glands	* Skin	* Spleen	* Stomach, Forestomach
* Thymus	* Trachea	* Urinary Bladder	* Uterus

OBSERVATIONS

* Brain	Meninges	Sarcoma	
* Kidney		Nephropathy	Mild
* Liver		Eosinophilic Focus	
		Mixed Cell Focus	
[Eosinophilic Focus TGLS = 2-4]			
[Mixed Cell Focus TGLS = 3-12]			
* Mammary Gland		Fibroadenoma	
[Fibroadenoma TGLS = 4-11]			
* Pituitary Gland	Pars Distalis	Adenoma	
		Sarcoma	Metastatic (Brain)
* Stomach, Glandular		Necrosis	Mild
[Necrosis TGLS = 5-13]			
* Thyroid Gland	C Cell	Hyperplasia	Minimal

PRIMARY CAUSE OF DEATH

-

CONTRIBUTORY CAUSE OF DEATH

- Brain Meninges Sarcoma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05135-07

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Isoprene

CAS Number: 78-79-5

Date Report Requested: 10/22/2014

Time Report Requested: 18:27:45

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 331

TRT#: 4

SEX: Female

DAY ON TEST: 734

DOSE: 220 PPM

DISP: Terminal Sacrifice

HISTO: 33576

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Brain	* Clitoral Gland
* Esophagus	* Heart	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Larynx	* Lymph Node, Bronchial	* Lymph Node, Mandibular
* Lymph Node, Mediastinal	* Lymph Node, Mesenteric	* Mammary Gland	* Nose
* Pancreas	* Parathyroid Gland	* Salivary Glands	* Skin
* Spleen	* Stomach, Forestomach	* Stomach, Glandular	* Thymus
* Trachea	* Urinary Bladder	* Uterus	

OBSERVATIONS

* Adrenal Cortex		Vacuolization Cytoplasmic	Mild
* Bone Marrow		Hyperplasia	Reticulum Cell, Minimal
* Kidney		Nephropathy	Mild
* Liver		Basophilic Focus	
* Lung		Inflammation	Chronic Active, Minimal
* Ovary		Cyst	Mild
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 1-8]			
* Thyroid Gland	C Cell	Adenoma	
	C Cell	Hyperplasia	Marked

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05135-07

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Isoprene

CAS Number: 78-79-5

Date Report Requested: 10/22/2014

Time Report Requested: 18:27:45

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 332

TRT#: 4

SEX: Female

DAY ON TEST: 736

DOSE: 220 PPM

DISP: Terminal Sacrifice

HISTO: 33577

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone Marrow	* Brain
* Clitoral Gland	* Esophagus	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Larynx	* Lymph Node, Bronchial	* Lymph Node, Mandibular
* Lymph Node, Mediastinal	* Lymph Node, Mesenteric	* Nose	* Ovary
* Parathyroid Gland	* Salivary Glands	* Skin	* Spleen
* Stomach, Forestomach	* Stomach, Glandular	* Thymus	* Trachea
* Urinary Bladder	* Uterus		

OBSERVATIONS

* Bone		Hyperostosis	Minimal
* Heart		Cardiomyopathy	Minimal
* Kidney		Nephropathy	Mild
* Liver		Basophilic Focus	
* Lung		Inflammation	Chronic Active, Mild
* Mammary Gland		Fibroadenoma	
[Fibroadenoma TGLS = 2-11]			
* Pancreas		Atrophy	Mild
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 1-8]			
* Thyroid Gland	C Cell	Adenoma	

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05135-07

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Isoprene

CAS Number: 78-79-5

Date Report Requested: 10/22/2014

Time Report Requested: 18:27:45

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 333

TRT#: 4

SEX: Female

DAY ON TEST: 736

DOSE: 220 PPM

DISP: Terminal Sacrifice

HISTO: 33578

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Bone Marrow	* Brain
* Esophagus	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Larynx	* Lymph Node, Bronchial	* Lymph Node, Mandibular	* Lymph Node, Mediastinal
* Lymph Node, Mesenteric	* Mammary Gland	* Nose	* Ovary
* Parathyroid Gland	* Salivary Glands	* Skin	* Spleen
* Stomach, Forestomach	* Stomach, Glandular	* Thymus	* Trachea
* Urinary Bladder	* Uterus		

OBSERVATIONS

* Adrenal Cortex		Hypertrophy	Mild
		Vacuolization Cytoplasmic	Mild
* Clitoral Gland		Adenoma	
* Heart		Cardiomyopathy	Minimal
* Kidney		Nephropathy	Mild
* Liver		Basophilic Focus	
		Clear Cell Focus	
* Lung	Alveolar Epith	Hyperplasia	Moderate
Mesentery	Fat	Necrosis	Mild
[Necrosis TGLS = 2-11]			
* Pancreas		Atrophy	Mild
* Pituitary Gland	Pars Distalis	Hyperplasia	Moderate
* Thyroid Gland	C Cell	Carcinoma	
[Carcinoma TGLS = 1-2]			

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05135-07

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Isoprene

CAS Number: 78-79-5

Date Report Requested: 10/22/2014

Time Report Requested: 18:27:45

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 334

TRT#: 4

SEX: Female

DAY ON TEST: 736

DOSE: 220 PPM

DISP: Terminal Sacrifice

HISTO: 33579

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Bone	* Bone Marrow	* Brain	* Esophagus
* Heart	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Larynx	* Lung	* Lymph Node, Mediastinal	* Lymph Node, Mesenteric
* Nose	* Ovary	* Pancreas	* Pituitary Gland
* Salivary Glands	* Skin	* Spleen	* Stomach, Forestomach
* Stomach, Glandular	* Thymus	* Trachea	* Urinary Bladder
* Uterus			

MISSING

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

* Adrenal Cortex		Hyperplasia	Mild
		Hypertrophy	Mild
		Vacuolization Cytoplasmic	Mild
* Adrenal Medulla		Hyperplasia	Mild
* Clitoral Gland		Adenoma	
[Adenoma TGLS = 2-7+11]			
* Kidney		Nephropathy	Minimal
* Liver		Basophilic Focus	
Note: "Nodule, 6mm dia, pale", noted at trim, was not apparent microscopically.			
* Mammary Gland		Fibroadenoma	
[Fibroadenoma TGLS = 1-12]			
* Thyroid Gland	C Cell	Hyperplasia	Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05135-07

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Isoprene

CAS Number: 78-79-5

Date Report Requested: 10/22/2014

Time Report Requested: 18:27:45

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 335

TRT#: 4

SEX: Female

DAY ON TEST: 686

DOSE: 220 PPM

DISP: Moribund Sacrifice

HISTO: 33580

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Clitoral Gland	* Esophagus	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Larynx	* Nose	* Parathyroid Gland
* Salivary Glands	* Skin	* Stomach, Glandular	* Thymus
* Trachea	* Urinary Bladder		

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Adrenal Cortex		Hypertrophy	Moderate
		Leukemia Mononuclear	
* Adrenal Medulla		Leukemia Mononuclear	
* Bone		Hyperostosis	Minimal
* Bone Marrow		Leukemia Mononuclear	
* Brain		Leukemia Mononuclear	
* Heart		Cardiomyopathy	Mild
		Leukemia Mononuclear	
* Kidney		Leukemia Mononuclear	
		Nephropathy	Mild
* Liver		Degeneration	Fatty, Moderate
		Fatty Change	Moderate
		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 5-4]			
* Lung	Alveolar Epith	Hyperplasia	Mild
		Leukemia Mononuclear	
* Lymph Node, Bronchial		Leukemia Mononuclear	
* Lymph Node, Mediastinal		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 6-8+13]			
* Lymph Node, Mesenteric		Leukemia Mononuclear	
* Mammary Gland		Fibroadenoma	
[Fibroadenoma TGLS = 2-7+12]			

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05135-07

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Isoprene

CAS Number: 78-79-5

Date Report Requested: 10/22/2014

Time Report Requested: 18:27:45

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 335

TRT#: 4

SEX: Female

DAY ON TEST: 686

DOSE: 220 PPM

DISP: Moribund Sacrifice

HISTO: 33580

ORGAN AND ACCOUNTABLE SITE STATUS

* Ovary [Leukemia Mononuclear TGLS = 2-7+12]		Leukemia Mononuclear	
* Pancreas		Atrophy	Minimal
* Pituitary Gland		Leukemia Mononuclear	
* Spleen		Fibrosis	Mild
		Hemorrhage	Mild
		Leukemia Mononuclear	
[Hemorrhage TGLS = 4-11]			
[Leukemia Mononuclear TGLS = 3-11]			
* Stomach, Forestomach [Necrosis TGLS = 6-8+13]		Necrosis	Marked
* Thyroid Gland	C Cell	Hyperplasia	Mild
* Uterus		Polyp Stromal	

PRIMARY CAUSE OF DEATH - Spleen Leukemia Mononuclear

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05135-07

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Isoprene

CAS Number: 78-79-5

Date Report Requested: 10/22/2014

Time Report Requested: 18:27:45

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 336

TRT#: 4

DOSE: 220 PPM

SEX: Female

DISP: Natural Death

DAY ON TEST: 370

HISTO: 33581

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- | | | | |
|----------------------------|---------------------------|-----------------------------|--------------------------|
| * Bone | * Clitoral Gland | * Esophagus | * Intestine Large, Cecum |
| * Intestine Large, Colon | * Intestine Large, Rectum | * Intestine Small, Duodenum | * Intestine Small, Ileum |
| * Intestine Small, Jejunum | * Islets, Pancreatic | * Larynx | * Mammary Gland |
| * Pancreas | * Parathyroid Gland | * Salivary Glands | * Skin |
| * Stomach, Forestomach | * Stomach, Glandular | * Thyroid Gland | * Trachea |
| * Uterus | | | |

MISSING

- | | |
|-------------------------|----------|
| * Lymph Node, Bronchial | * Thymus |
|-------------------------|----------|

OBSERVATIONS

- | | | | |
|--|---------------|----------------------|---------|
| * Adrenal Cortex | | Leukemia Mononuclear | |
| [Leukemia Mononuclear TGLS = 7-6+14] | | | |
| * Adrenal Medulla | | Leukemia Mononuclear | |
| [Leukemia Mononuclear TGLS = 7-6+14] | | | |
| * Bone Marrow | | Leukemia Mononuclear | |
| [Leukemia Mononuclear TGLS = 6-8+13] | | | |
| * Brain | | Leukemia Mononuclear | |
| [Leukemia Mononuclear TGLS = 6-8+13] | | | |
| * Heart | | Leukemia Mononuclear | |
| [Leukemia Mononuclear TGLS = 6-8+13] | | | |
| * Kidney | | Leukemia Mononuclear | |
| | | Nephropathy | Minimal |
| [Leukemia Mononuclear TGLS = 6-8+13] | | | |
| * Liver | | Leukemia Mononuclear | |
| | Centrilobular | Necrosis | Minimal |
| [Leukemia Mononuclear TGLS = 6-4] | | | |
| * Lung | | Leukemia Mononuclear | |
| [Leukemia Mononuclear TGLS = 4,5-3A+3] | | | |
| Lymph Node | Renal | Leukemia Mononuclear | |
| [Leukemia Mononuclear TGLS = 8-13] | | | |
| * Lymph Node, Mandibular | | Leukemia Mononuclear | |

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05135-07

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Isoprene

CAS Number: 78-79-5

Date Report Requested: 10/22/2014

Time Report Requested: 18:27:45

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 336

TRT#: 4

SEX: Female

DAY ON TEST: 370

DOSE: 220 PPM

DISP: Natural Death

HISTO: 33581

ORGAN AND ACCOUNTABLE SITE STATUS

[Leukemia Mononuclear TGLS = 7-6+14]		
* Lymph Node, Mediastinal	Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 9-2]		
* Lymph Node, Mesenteric	Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 7-6+14]		
* Nose	Leukemia Mononuclear	
* Ovary	Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 8-13]		
* Pituitary Gland	Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 8-13]		
* Spleen	Fibrosis	Minimal
	Hemorrhage	Mild
	Leukemia Mononuclear	
[Hemorrhage TGLS = 3-12]		
[Leukemia Mononuclear TGLS = 1,2-11]		
* Urinary Bladder	Leukemia Mononuclear	

PRIMARY CAUSE OF DEATH

- Spleen Leukemia Mononuclear

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05135-07

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Isoprene

CAS Number: 78-79-5

Date Report Requested: 10/22/2014

Time Report Requested: 18:27:45

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 337

TRT#: 4

SEX: Female

DAY ON TEST: 638

DOSE: 220 PPM

DISP: Moribund Sacrifice

HISTO: 33582

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Bone Marrow	* Brain
* Clitoral Gland	* Esophagus	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Larynx	* Lymph Node, Bronchial	* Lymph Node, Mandibular
* Lymph Node, Mesenteric	* Ovary	* Pancreas	* Parathyroid Gland
* Salivary Glands	* Skin	* Spleen	* Stomach, Forestomach
* Stomach, Glandular	* Thymus	* Trachea	* Urinary Bladder
* Uterus			

MISSING

* Lymph Node, Mediastinal

OBSERVATIONS

* Adrenal Cortex		Hypertrophy	Minimal
* Heart		Cardiomyopathy	Mild
* Kidney		Nephropathy	Mild
* Liver		Basophilic Focus	
		Mixed Cell Focus	
[Basophilic Focus TGLS = 3-4]			
[Mixed Cell Focus TGLS = 3-4]			
* Lung		Inflammation	Chronic Active, Minimal
* Mammary Gland		Fibroadenoma	
[Fibroadenoma TGLS = 2-11]			
* Nose		Inflammation	Suppurative, Mild
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 4-8]			
* Thyroid Gland	C Cell	Hyperplasia	Minimal

PRIMARY CAUSE OF DEATH - Pituitary Gland Pars Distalis Adenoma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05135-07

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Isoprene

CAS Number: 78-79-5

Date Report Requested: 10/22/2014

Time Report Requested: 18:27:45

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 338

TRT#: 4

SEX: Female

DAY ON TEST: 727

DOSE: 220 PPM

DISP: Moribund Sacrifice

HISTO: 33583

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Bone	* Bone Marrow	* Brain	* Esophagus
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Larynx
* Lymph Node, Bronchial	* Lymph Node, Mandibular	* Lymph Node, Mediastinal	* Lymph Node, Mesenteric
* Mammary Gland	* Nose	* Ovary	* Pancreas
* Salivary Glands	* Spleen	* Stomach, Forestomach	* Stomach, Glandular
* Thymus	* Trachea	* Uterus	

MISSING

* Parathyroid Gland

OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Mild
* Adrenal Medulla		Hyperplasia	Minimal
* Clitoral Gland		Hyperplasia	Moderate
* Heart		Cardiomyopathy	Minimal
* Kidney		Hydronephrosis	Moderate
	Papilla	Necrosis	Mild
		Nephropathy	Moderate
		Sarcoma	Metastatic (Urinary Bladder)
[Hydronephrosis TGLS = 2-5]			
* Liver		Clear Cell Focus	
* Lung		Inflammation	Chronic Active, Minimal
Mesentery	Fat	Necrosis	Mild
[Necrosis TGLS = 3-12]			
* Pituitary Gland	Pars Distalis	Hyperplasia	Mild
* Skin		Inflammation	Chronic Active, Marked
* Thyroid Gland	C Cell	Hyperplasia	Mild
* Urinary Bladder		Sarcoma	
[Sarcoma TGLS = 1-11]			

PRIMARY CAUSE OF DEATH

- Urinary Bladder Sarcoma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05135-07

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Isoprene

CAS Number: 78-79-5

Date Report Requested: 10/22/2014

Time Report Requested: 18:27:45

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 339

TRT#: 4

SEX: Female

DAY ON TEST: 735

DOSE: 220 PPM

DISP: Terminal Sacrifice

HISTO: 33584

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone Marrow	* Brain	* Esophagus
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Larynx	* Lymph Node, Bronchial
* Lymph Node, Mandibular	* Lymph Node, Mediastinal	* Lymph Node, Mesenteric	* Nose
* Ovary	* Pancreas	* Parathyroid Gland	* Salivary Glands
* Skin	* Stomach, Forestomach	* Stomach, Glandular	* Thymus
* Thyroid Gland	* Trachea	* Urinary Bladder	* Uterus

OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Mild
* Bone		Hyperostosis	Moderate
* Clitoral Gland		Hyperplasia	Mild
[Hyperplasia TGLS = 3-7]			
* Heart		Cardiomyopathy	Mild
* Islets, Pancreatic		Adenoma	
* Kidney		Nephropathy	Minimal
* Liver		Basophilic Focus	
		Fatty Change	Mild
[Hepatodiaphragmatic Nodule TGLS = 2-11]		Hepatodiaphragmatic Nodule	
* Lung		Inflammation	Chronic Active, Minimal
* Mammary Gland		Fibroadenoma	
[Fibroadenoma TGLS = 1-12+13]			
* Pituitary Gland	Pars Distalis	Hyperplasia	Moderate
* Spleen		Hematopoietic Cell Proliferation	Moderate

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05135-07

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Isoprene

CAS Number: 78-79-5

Date Report Requested: 10/22/2014

Time Report Requested: 18:27:45

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 340

TRT#: 4

SEX: Female

DAY ON TEST: 643

DOSE: 220 PPM

DISP: Moribund Sacrifice

HISTO: 33585

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Brain	* Clitoral Gland	* Esophagus	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Larynx	* Lymph Node, Bronchial
* Lymph Node, Mandibular	* Lymph Node, Mediastinal	* Lymph Node, Mesenteric	* Nose
* Ovary	* Pancreas	* Parathyroid Gland	* Salivary Glands
* Skin	* Spleen	* Stomach, Forestomach	* Stomach, Glandular
* Thymus	* Trachea	* Urinary Bladder	* Uterus

OBSERVATIONS

* Heart		Cardiomyopathy	Minimal
* Kidney		Nephropathy	Mild
* Liver		Basophilic Focus	
		Mixed Cell Focus	
[Mixed Cell Focus TGLS = 3-11]			
* Lung		Inflammation	Chronic Active, Minimal
* Mammary Gland		Fibroadenoma	Multiple
[Fibroadenoma TGLS = 1,5-14+13]			
Mesentery	Fat	Necrosis	Mild
[Necrosis TGLS = 4-12]			
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 2-8]			
* Thyroid Gland	C Cell	Hyperplasia	Minimal

PRIMARY CAUSE OF DEATH - Pituitary Gland Pars Distalis Adenoma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05135-07

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Isoprene

CAS Number: 78-79-5

Date Report Requested: 10/22/2014

Time Report Requested: 18:27:45

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 341

TRT#: 4

SEX: Female

DAY ON TEST: 736

DOSE: 220 PPM

DISP: Terminal Sacrifice

HISTO: 33586

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Bone	* Bone Marrow	* Brain	* Clitoral Gland
* Esophagus	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Larynx	* Lymph Node, Mandibular	* Nose	* Ovary
* Salivary Glands	* Skin	* Stomach, Forestomach	* Stomach, Glandular
* Thymus	* Trachea	* Urinary Bladder	

MISSING

* Parathyroid Gland

OBSERVATIONS

* Adrenal Cortex		Hypertrophy	Mild
		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 5-12]			
* Adrenal Medulla		Pheochromocytoma Benign	
* Heart		Cardiomyopathy	Minimal
* Kidney		Nephropathy	Minimal
* Liver		Basophilic Focus	
		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 2-4]			
* Lung		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 2-4]			
* Lymph Node, Bronchial		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 5-12]			
* Lymph Node, Mediastinal		Leukemia Mononuclear	
* Lymph Node, Mesenteric		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 5-12]			
* Mammary Gland		Fibroadenoma	Multiple
[Fibroadenoma TGLS = 1,4-13+14+15+16]			
* Pancreas		Atrophy	Minimal
* Pituitary Gland	Pars Distalis	Hyperplasia	Minimal
* Spleen		Leukemia Mononuclear	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05135-07

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Isoprene

CAS Number: 78-79-5

Date Report Requested: 10/22/2014

Time Report Requested: 18:27:45

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 341

TRT#: 4

SEX: Female

DAY ON TEST: 736

DOSE: 220 PPM

DISP: Terminal Sacrifice

HISTO: 33586

ORGAN AND ACCOUNTABLE SITE STATUS

[Leukemia Mononuclear TGLS = 3-11]

* Thyroid Gland

C Cell

Carcinoma

* Uterus

Polyp Stromal

[Polyp Stromal TGLS = 5-12]

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05135-07

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Isoprene

CAS Number: 78-79-5

Date Report Requested: 10/22/2014

Time Report Requested: 18:27:45

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 342

TRT#: 4

SEX: Female

DAY ON TEST: 736

DOSE: 220 PPM

DISP: Terminal Sacrifice

HISTO: 33587

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Bone Marrow	* Clitoral Gland
* Esophagus	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Larynx	* Lymph Node, Bronchial	* Lymph Node, Mandibular	* Lymph Node, Mediastinal
* Lymph Node, Mesenteric	* Nose	* Ovary	* Pancreas
* Parathyroid Gland	* Salivary Glands	* Spleen	* Stomach, Forestomach
* Stomach, Glandular	* Thymus	* Thyroid Gland	* Trachea
* Urinary Bladder	* Uterus		

OBSERVATIONS

* Adrenal Cortex		Vacuolization Cytoplasmic	Mild
* Brain	Meninges	Granular Cell Tumor Benign	
* Heart		Cardiomyopathy	Mild
* Kidney		Nephropathy	Mild
[Nephropathy TGLS = 5-5]			
* Liver		Basophilic Focus	
		Clear Cell Focus	
	Bile Duct	Hyperplasia	Minimal
		Mixed Cell Focus	
[Basophilic Focus TGLS = 5-5]			
[Clear Cell Focus TGLS = 5-5]			
[Mixed Cell Focus TGLS = 4-13]			
* Lung		Inflammation	Chronic Active, Minimal
* Mammary Gland		Fibroadenoma	Multiple
[Fibroadenoma TGLS = 2,3-11+12]			
* Pituitary Gland	Pars Distalis	Hyperplasia	Mild
* Skin		Squamous Cell Papilloma	
[Squamous Cell Papilloma TGLS = 1-14]			

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05135-07

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Isoprene

CAS Number: 78-79-5

Date Report Requested: 10/22/2014

Time Report Requested: 18:27:45

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 343

TRT#: 4

DOSE: 220 PPM

SEX: Female

DISP: Terminal Sacrifice

DAY ON TEST: 735

HISTO: 33588

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Bone	* Bone Marrow	* Brain	* Esophagus
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Larynx
* Lymph Node, Mandibular	* Nose	* Ovary	* Parathyroid Gland
* Salivary Glands	* Skin	* Stomach, Forestomach	* Stomach, Glandular
* Thymus	* Trachea	* Urinary Bladder	

MISSING

* Lymph Node, Bronchial

OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Mild
		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 5-12]			
* Adrenal Medulla		Pheochromocytoma Benign	
* Clitoral Gland		Adenoma	
* Heart		Cardiomyopathy	Minimal
* Kidney		Leukemia Mononuclear	
		Nephropathy	Minimal
* Liver		Basophilic Focus	
	Bile Duct	Hyperplasia	Mild
		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 2-4]			
* Lung		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 2-4]			
* Lymph Node, Mediastinal		Leukemia Mononuclear	
* Lymph Node, Mesenteric		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 5-12]			
* Mammary Gland		Fibroadenoma	
[Fibroadenoma TGLS = 1-13+14+15]			
* Pancreas		Atrophy	Minimal
* Pituitary Gland		Leukemia Mononuclear	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05135-07

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Isoprene

CAS Number: 78-79-5

Date Report Requested: 10/22/2014

Time Report Requested: 18:27:45

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 343

TRT#: 4

SEX: Female

DAY ON TEST: 735

DOSE: 220 PPM

DISP: Terminal Sacrifice

HISTO: 33588

ORGAN AND ACCOUNTABLE SITE STATUS

* Spleen		Fibrosis Leukemia Mononuclear	Mild
[Fibrosis TGLS = 4-11]			
[Leukemia Mononuclear TGLS = 3-11]			
* Thyroid Gland	C Cell	Hyperplasia	Mild
* Uterus		Polyp Stromal	
[Polyp Stromal TGLS = 5-12]			

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05135-07

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Isoprene

CAS Number: 78-79-5

Date Report Requested: 10/22/2014

Time Report Requested: 18:27:45

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 344

TRT#: 4

SEX: Female

DAY ON TEST: 735

DOSE: 220 PPM

DISP: Terminal Sacrifice

HISTO: 33589

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Brain	* Esophagus	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Larynx	* Lymph Node, Bronchial	* Lymph Node, Mandibular
* Lymph Node, Mediastinal	* Lymph Node, Mesenteric	* Ovary	* Parathyroid Gland
* Salivary Glands	* Skin	* Spleen	* Stomach, Forestomach
* Stomach, Glandular	* Thymus	* Trachea	* Urinary Bladder
* Uterus			

OBSERVATIONS

* Clitoral Gland		Hyperplasia	Moderate
* Heart		Cardiomyopathy	Minimal
* Kidney		Nephropathy	Minimal
* Liver		Basophilic Focus	
		Clear Cell Focus	
* Lung		Inflammation	Chronic Active, Minimal
* Mammary Gland		Fibroadenoma	
	[Fibroadenoma TGLS = 1-11]		
* Nose		Inflammation	Suppurative, Minimal
* Pancreas		Atrophy	Minimal
		Metaplasia	Hepatocyte, Minimal
* Pituitary Gland	Pars Distalis	Adenoma	
* Thyroid Gland	C Cell	Hyperplasia	Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05135-07

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Isoprene

CAS Number: 78-79-5

Date Report Requested: 10/22/2014

Time Report Requested: 18:27:45

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 345

TRT#: 4

SEX: Female

DAY ON TEST: 734

DOSE: 220 PPM

DISP: Terminal Sacrifice

HISTO: 33590

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Bone	* Bone Marrow	* Brain	* Esophagus
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Larynx
* Nose	* Pancreas	* Parathyroid Gland	* Salivary Glands
* Skin	* Stomach, Forestomach	* Stomach, Glandular	* Thymus
* Trachea	* Urinary Bladder	* Uterus	

MISSING

* Lymph Node, Bronchial

OBSERVATIONS

* Adrenal Cortex		Leukemia Mononuclear	
* Adrenal Medulla		Hyperplasia	Minimal
* Clitoral Gland		Carcinoma	
[Carcinoma TGLS = 1-7+12]			
* Heart		Cardiomyopathy	Minimal
* Kidney		Leukemia Mononuclear	
* Liver		Basophilic Focus	
		Leukemia Mononuclear	
		Regeneration	Mild
[Leukemia Mononuclear TGLS = 5-4]			
* Lung	Alveolar Epith	Hyperplasia	Minimal
		Inflammation	Chronic Active, Minimal
		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 5-4]			
* Lymph Node, Mandibular		Leukemia Mononuclear	
* Lymph Node, Mediastinal		Leukemia Mononuclear	
* Lymph Node, Mesenteric		Leukemia Mononuclear	
* Mammary Gland		Fibroadenoma	
Note: Sections on Slides #14, 15, 16 are derived from one mass.			
[Fibroadenoma TGLS = 2-14+15+16]			
Mesentery	Fat	Necrosis	Mild

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05135-07
Test Type: CHRONIC
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

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

Date Report Requested: 10/22/2014
Time Report Requested: 18:27:45
First Dose M/F: NA / NA
Lab: BNW

ANIMAL ID: 345	TRT#: 4	SEX: Female	DAY ON TEST: 734
	DOSE: 220 PPM	DISP: Terminal Sacrifice	HISTO: 33590

ORGAN AND ACCOUNTABLE SITE STATUS

[Necrosis TGLS = 6-13]			
* Ovary		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 6-13]			
* Pituitary Gland	Pars Distalis	Hyperplasia	Moderate
[Hyperplasia TGLS = 4-8]			
* Spleen		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 3-11]			
* Thyroid Gland	C Cell	Hyperplasia	Mild

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05135-07

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Isoprene

CAS Number: 78-79-5

Date Report Requested: 10/22/2014

Time Report Requested: 18:27:45

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 346

TRT#: 4

SEX: Female

DAY ON TEST: 714

DOSE: 220 PPM

DISP: Moribund Sacrifice

HISTO: 33591

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Bone	* Bone Marrow	* Clitoral Gland	* Esophagus
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Larynx
* Lymph Node, Mediastinal	* Lymph Node, Mesenteric	* Nose	* Parathyroid Gland
* Salivary Glands	* Skin	* Trachea	

MISSING

* Thymus

OBSERVATIONS

* Adrenal Cortex		Hypertrophy	Minimal
		Leukemia Mononuclear	
* Adrenal Medulla		Leukemia Mononuclear	
* Brain		Leukemia Mononuclear	
* Heart		Leukemia Mononuclear	
* Kidney		Leukemia Mononuclear	
		Nephropathy	Mild
* Liver		Basophilic Focus	
		Fatty Change	Mild
		Leukemia Mononuclear	
		[Basophilic Focus TGLS = 8-4]	
		[Leukemia Mononuclear TGLS = 8-4]	
* Lung		Inflammation	Chronic Active, Minimal
		Leukemia Mononuclear	
Lymph Node	Pancreatic	Leukemia Mononuclear	
		[Leukemia Mononuclear TGLS = 10-15]	
* Lymph Node, Bronchial		Leukemia Mononuclear	
* Lymph Node, Mandibular		Leukemia Mononuclear	
* Mammary Gland		Carcinoma	
		Fibroadenoma	Multiple
		Galactocele	Moderate
		Leukemia Mononuclear	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05135-07

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Isoprene

CAS Number: 78-79-5

Date Report Requested: 10/22/2014

Time Report Requested: 18:27:45

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 346

TRT#: 4

SEX: Female

DAY ON TEST: 714

DOSE: 220 PPM

DISP: Moribund Sacrifice

HISTO: 33591

ORGAN AND ACCOUNTABLE SITE STATUS

[Carcinoma TGLS = 1-17]			
[Fibroadenoma TGLS = 1,6-16+17+12]			
[Galactocele TGLS = 9-14]			
[Leukemia Mononuclear TGLS = 1-17]			
Mesentery	Fat	Necrosis	Mild
[Necrosis TGLS = 7-13]			
* Ovary		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 7-13]			
* Pancreas		Hyperplasia	Mild
		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 7-13]			
* Pituitary Gland	Pars Distalis	Adenoma	
		Leukemia Mononuclear	
[Adenoma TGLS = 3-8]			
* Spleen		Fibrosis	Mild
		Leukemia Mononuclear	
[Fibrosis TGLS = 5-11]			
[Leukemia Mononuclear TGLS = 4-11]			
* Stomach, Forestomach		Leukemia Mononuclear	
* Stomach, Glandular		Leukemia Mononuclear	
* Thyroid Gland	C Cell	Hyperplasia	Minimal
* Urinary Bladder		Leukemia Mononuclear	
* Uterus		Leukemia Mononuclear	

PRIMARY CAUSE OF DEATH - Spleen Leukemia Mononuclear

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05135-07

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Isoprene

CAS Number: 78-79-5

Date Report Requested: 10/22/2014

Time Report Requested: 18:27:45

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 347

TRT#: 4

SEX: Female

DAY ON TEST: 736

DOSE: 220 PPM

DISP: Terminal Sacrifice

HISTO: 33592

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Bone	* Bone Marrow	* Brain	* Clitoral Gland
* Esophagus	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Larynx	* Lymph Node, Bronchial	* Lymph Node, Mandibular	* Lymph Node, Mediastinal
* Lymph Node, Mesenteric	* Mammary Gland	* Nose	* Ovary
* Parathyroid Gland	* Salivary Glands	* Skin	* Spleen
* Stomach, Forestomach	* Stomach, Glandular	* Thymus	* Trachea
* Urinary Bladder	* Uterus		

OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Mild
* Adrenal Medulla		Pheochromocytoma Benign	
* Heart		Cardiomyopathy	Minimal
* Kidney		Mesenchymal Tumor Benign	
		Nephropathy	Mild
* Liver		Basophilic Focus	
		Clear Cell Focus	
* Lung		Inflammation	Chronic Active, Minimal
* Pancreas		Atrophy	Minimal
* Pituitary Gland	Pars Distalis	Hyperplasia	Marked
* Thyroid Gland	C Cell	Hyperplasia	Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05135-07

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Isoprene

CAS Number: 78-79-5

Date Report Requested: 10/22/2014

Time Report Requested: 18:27:45

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 348

TRT#: 4

SEX: Female

DAY ON TEST: 734

DOSE: 220 PPM

DISP: Terminal Sacrifice

HISTO: 33593

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Bone Marrow	* Brain
* Clitoral Gland	* Esophagus	* Heart	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Larynx	* Lung	* Lymph Node, Mandibular
* Lymph Node, Mediastinal	* Lymph Node, Mesenteric	* Nose	* Ovary
* Pancreas	* Salivary Glands	* Skin	* Spleen
* Stomach, Forestomach	* Stomach, Glandular	* Thymus	* Trachea
* Urinary Bladder	* Uterus		

MISSING

* Lymph Node, Bronchial	* Parathyroid Gland
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OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Mild
* Islets, Pancreatic		Adenoma	
[Adenoma TGLS = 3-4]			
* Kidney		Nephropathy	Moderate
* Liver		Basophilic Focus	
		Eosinophilic Focus	
		Fibroadenoma	
* Mammary Gland			
[Fibroadenoma TGLS = 1-12]			
Mesentery	Fat	Necrosis	Mild
[Necrosis TGLS = 4-11]			
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 2-8]			
* Thyroid Gland	C Cell	Hyperplasia	Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05135-07

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Isoprene

CAS Number: 78-79-5

Date Report Requested: 10/22/2014

Time Report Requested: 18:27:45

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 349

TRT#: 4

SEX: Female

DAY ON TEST: 482

DOSE: 220 PPM

DISP: Moribund Sacrifice

HISTO: 33594

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Brain	* Esophagus	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Larynx	* Liver	* Lung
* Lymph Node, Bronchial	* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Nose
* Ovary	* Pancreas	* Parathyroid Gland	* Salivary Glands
* Skin	* Stomach, Forestomach	* Stomach, Glandular	* Thymus
* Trachea	* Urinary Bladder	* Uterus	

MISSING

* Lymph Node, Mediastinal

OBSERVATIONS

* Clitoral Gland [Carcinoma TGLS = 2-11]		Carcinoma	
* Heart		Cardiomyopathy	Minimal
* Kidney		Nephropathy	Minimal
* Mammary Gland [Fibroadenoma TGLS = 2-12]		Fibroadenoma	
* Pituitary Gland [Adenoma TGLS = 1-8]	Pars Distalis	Adenoma	
* Spleen		Hematopoietic Cell Proliferation	Moderate
* Thyroid Gland	C Cell	Hyperplasia	Minimal

PRIMARY CAUSE OF DEATH - Clitoral Gland Carcinoma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05135-07

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Isoprene

CAS Number: 78-79-5

Date Report Requested: 10/22/2014

Time Report Requested: 18:27:45

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 350

TRT#: 4

SEX: Female

DAY ON TEST: 736

DOSE: 220 PPM

DISP: Terminal Sacrifice

HISTO: 33595

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Bone Marrow	* Brain
* Clitoral Gland	* Esophagus	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Larynx	* Lymph Node, Mandibular	* Lymph Node, Mediastinal
* Lymph Node, Mesenteric	* Ovary	* Pancreas	* Salivary Glands
* Skin	* Spleen	* Stomach, Forestomach	* Stomach, Glandular
* Thymus	* Thyroid Gland	* Trachea	* Urinary Bladder
* Uterus			

MISSING

* Lymph Node, Bronchial	* Parathyroid Gland
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OBSERVATIONS

* Adrenal Cortex		Hypertrophy	Moderate
* Heart		Cardiomyopathy	Mild
Note: "Focus, 3mm dia, white", noted at necropsy, was not apparent microscopically.			
* Kidney		Nephropathy	Mild
* Liver		Basophilic Focus	
		Clear Cell Focus	
* Lung		Inflammation	Chronic Active, Minimal
* Mammary Gland		Fibroadenoma	Multiple
[Fibroadenoma TGLS = 1-12]			
* Nose	Respirat Epith	Hyperplasia	Minimal
		Inflammation	Suppurative, Minimal
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 2-8]			

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05135-07

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Isoprene

CAS Number: 78-79-5

Date Report Requested: 10/22/2014

Time Report Requested: 18:27:45

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 501

TRT#: 6

SEX: Female

DAY ON TEST: 566

DOSE: 700 PPM

DISP: Moribund Sacrifice

HISTO: 33446

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Bone	* Brain	* Clitoral Gland	* Esophagus
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Larynx
* Mammary Gland	* Pancreas	* Salivary Glands	* Skin
* Stomach, Forestomach	* Trachea	* Urinary Bladder	* Uterus

MISSING

* Parathyroid Gland

OBSERVATIONS

* Adrenal Cortex		Degeneration Leukemia Mononuclear	Cystic, Moderate
[Degeneration TGLS = 6-5]			
[Leukemia Mononuclear TGLS = 7-7]			
* Adrenal Medulla		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 6-5]			
* Bone Marrow		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 6-8]			
* Heart		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 6-8]			
* Kidney		Leukemia Mononuclear Nephropathy	Minimal
[Leukemia Mononuclear TGLS = 6-8]			
* Liver	Bile Duct	Basophilic Focus Hyperplasia Leukemia Mononuclear Necrosis	Mild Minimal
[Leukemia Mononuclear TGLS = 5-4]	Centrilobular		
* Lung		Inflammation Leukemia Mononuclear	Chronic Active, Marked
[Inflammation TGLS = 1,4-11+3A]			
[Leukemia Mononuclear TGLS = 1,4-11+3A]			

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05135-07

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Isoprene

CAS Number: 78-79-5

Date Report Requested: 10/22/2014

Time Report Requested: 18:27:45

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 501	TRT#: 6	SEX: Female	DAY ON TEST: 566
	DOSE: 700 PPM	DISP: Moribund Sacrifice	HISTO: 33446

ORGAN AND ACCOUNTABLE SITE STATUS

* Lymph Node, Bronchial [Leukemia Mononuclear TGLS = 7-7]		Leukemia Mononuclear	
* Lymph Node, Mandibular [Leukemia Mononuclear TGLS = 7-7]		Leukemia Mononuclear	
* Lymph Node, Mediastinal [Leukemia Mononuclear TGLS = 8-13]		Leukemia Mononuclear	
* Lymph Node, Mesenteric		Leukemia Mononuclear	
* Nose	Olfactory Epi	Hyperplasia Inflammation	Moderate Suppurative, Moderate
* Ovary [Leukemia Mononuclear TGLS = 1,4-11+3A]		Leukemia Mononuclear	
* Pituitary Gland	Pars Distalis	Hyperplasia	Mild
* Spleen [Fibrosis TGLS = 3-12] [Leukemia Mononuclear TGLS = 2-12]		Fibrosis Leukemia Mononuclear	Mild
* Stomach, Glandular [Necrosis TGLS = 8-13]		Necrosis	Mild
* Thymus [Leukemia Mononuclear TGLS = 3-12]		Leukemia Mononuclear	
* Thyroid Gland	C Cell	Hyperplasia	Minimal

PRIMARY CAUSE OF DEATH - Spleen Leukemia Mononuclear

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05135-07

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Isoprene

CAS Number: 78-79-5

Date Report Requested: 10/22/2014

Time Report Requested: 18:27:45

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 502

TRT#: 6

SEX: Female

DAY ON TEST: 508

DOSE: 700 PPM

DISP: Moribund Sacrifice

HISTO: 33447

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Brain	* Clitoral Gland
* Esophagus	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Larynx	* Lymph Node, Mesenteric	* Mammary Gland	* Nose
* Pancreas	* Parathyroid Gland	* Salivary Glands	* Skin
* Stomach, Forestomach	* Stomach, Glandular	* Trachea	* Urinary Bladder
* Uterus			

OBSERVATIONS

* Bone		Hyperostosis	Minimal
* Bone Marrow		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 1-14]			
* Heart		Leukemia Mononuclear	
* Kidney		Leukemia Mononuclear	
		Nephropathy	Mild
* Liver		Leukemia Mononuclear	
	Centrilobular	Necrosis	Minimal
[Leukemia Mononuclear TGLS = 6-4]			
* Lung		Leukemia Mononuclear	
Lymph Node	Pancreatic	Leukemia Mononuclear	
* Lymph Node, Bronchial		Leukemia Mononuclear	
* Lymph Node, Mandibular		Leukemia Mononuclear	
* Lymph Node, Mediastinal		Leukemia Mononuclear	
Mesentery		Leukemia Mononuclear	
	Fat	Necrosis	Mild
[Necrosis TGLS = 8-13]			
* Ovary		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 8-13]			
* Pituitary Gland		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 3-8]			
* Spleen		Fibrosis	Mild

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05135-07

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Isoprene

CAS Number: 78-79-5

Date Report Requested: 10/22/2014

Time Report Requested: 18:27:45

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 502

TRT#: 6

SEX: Female

DAY ON TEST: 508

DOSE: 700 PPM

DISP: Moribund Sacrifice

HISTO: 33447

ORGAN AND ACCOUNTABLE SITE STATUS

[Fibrosis TGLS = 5-12]

[Leukemia Mononuclear TGLS = 4-11]

* Thymus

[Leukemia Mononuclear TGLS = 4-11]

* Thyroid Gland

C Cell

Leukemia Mononuclear

Leukemia Mononuclear

Hyperplasia

Minimal

PRIMARY CAUSE OF DEATH

- Thymus Leukemia Mononuclear

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05135-07

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Isoprene

CAS Number: 78-79-5

Date Report Requested: 10/22/2014

Time Report Requested: 18:27:45

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 503

TRT#: 6

SEX: Female

DAY ON TEST: 735

DOSE: 700 PPM

DISP: Terminal Sacrifice

HISTO: 33448

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Bone Marrow	* Brain
* Esophagus	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Larynx
* Lymph Node, Bronchial	* Lymph Node, Mandibular	* Lymph Node, Mediastinal	* Lymph Node, Mesenteric
* Nose	* Ovary	* Parathyroid Gland	* Salivary Glands
* Skin	* Stomach, Forestomach	* Stomach, Glandular	* Thymus
* Trachea	* Urinary Bladder	* Uterus	

MISSING

* Clitoral Gland

OBSERVATIONS

* Adrenal Cortex		Vacuolization Cytoplasmic	Minimal
* Heart		Cardiomyopathy	Mild
* Islets, Pancreatic		Carcinoma	
[Carcinoma TGLS = 8-12]			
* Kidney		Nephropathy	Minimal
* Liver		Basophilic Focus	
		Clear Cell Focus	
	Bile Duct	Hyperplasia	Minimal
* Lung	Alveolar Epith	Hyperplasia	Minimal
		Inflammation	Chronic Active, Minimal
* Mammary Gland		Carcinoma	
		Fibroadenoma	Multiple
[Fibroadenoma TGLS = 1,2,3,4,5-14+13+15+16+17]			
* Pancreas		Atrophy	Mild
* Pituitary Gland	Pars Distalis	Hyperplasia	Moderate
* Spleen		Fibrosis	Minimal
[Fibrosis TGLS = 6,7-11+4]			
* Thyroid Gland	C Cell	Hyperplasia	Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05135-07

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Isoprene

CAS Number: 78-79-5

Date Report Requested: 10/22/2014

Time Report Requested: 18:27:45

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 504

TRT#: 6

SEX: Female

DAY ON TEST: 735

DOSE: 700 PPM

DISP: Terminal Sacrifice

HISTO: 33449

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- | | | | |
|--------------------------|----------------------------|---------------------------|-----------------------------|
| * Adrenal Cortex | * Bone Marrow | * Brain | * Esophagus |
| * Intestine Large, Cecum | * Intestine Large, Colon | * Intestine Large, Rectum | * Intestine Small, Duodenum |
| * Intestine Small, Ileum | * Intestine Small, Jejunum | * Islets, Pancreatic | * Larynx |
| * Lung | * Lymph Node, Mandibular | * Lymph Node, Mediastinal | * Lymph Node, Mesenteric |
| * Mammary Gland | * Nose | * Ovary | * Pancreas |
| * Parathyroid Gland | * Salivary Glands | * Skin | * Spleen |
| * Stomach, Forestomach | * Stomach, Glandular | * Trachea | * Urinary Bladder |
| * Uterus | | | |

MISSING

- | | |
|-------------------------|----------|
| * Lymph Node, Bronchial | * Thymus |
|-------------------------|----------|

OBSERVATIONS

- | | | | |
|-------------------------|---------------|-------------------------|----------|
| * Adrenal Medulla | | Pheochromocytoma Benign | |
| * Bone | | Hyperostosis | Moderate |
| * Clitoral Gland | | Adenoma | |
| [Adenoma TGLS = 2-11] | | | |
| * Heart | | Cardiomyopathy | Mild |
| * Kidney | | Nephropathy | Mild |
| * Liver | | Basophilic Focus | |
| | | Clear Cell Focus | |
| * Pituitary Gland | Pars Distalis | Adenoma | |
| [Adenoma TGLS = 3-8] | | | |
| * Thyroid Gland | C Cell | Hyperplasia | Minimal |

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05135-07

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Isoprene

CAS Number: 78-79-5

Date Report Requested: 10/22/2014

Time Report Requested: 18:27:45

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 505

TRT#: 6

SEX: Female

DAY ON TEST: 735

DOSE: 700 PPM

DISP: Terminal Sacrifice

HISTO: 33450

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla
* Clitoral Gland
* Intestine Large, Rectum
* Islets, Pancreatic
* Ovary
* Skin
* Trachea

* Bone
* Esophagus
* Intestine Small, Duodenum
* Larynx
* Pancreas
* Stomach, Forestomach
* Urinary Bladder

* Bone Marrow
* Intestine Large, Cecum
* Intestine Small, Ileum
* Lymph Node, Mediastinal
* Parathyroid Gland
* Stomach, Glandular
* Uterus

* Brain
* Intestine Large, Colon
* Intestine Small, Jejunum
* Nose
* Salivary Glands
* Thymus

OBSERVATIONS

* Adrenal Cortex
* Heart
* Kidney

* Liver

Bile Duct

[Basophilic Focus TGLS = 5-4]
[Leukemia Mononuclear TGLS = 5-4]
[Mixed Cell Focus TGLS = 4-4]

* Lung

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

[Fibroadenoma TGLS = 1,2-11+12]

* Pituitary Gland

[Adenoma TGLS = 3-8]

* Spleen

Hypertrophy
Cardiomyopathy
Leukemia Mononuclear
Nephropathy
Basophilic Focus
Hyperplasia
Leukemia Mononuclear
Mixed Cell Focus

Inflammation
Leukemia Mononuclear
Leukemia Mononuclear
Leukemia Mononuclear
Leukemia Mononuclear
Fibroadenoma

Adenoma

Fibrosis
Leukemia Mononuclear

Moderate
Mild

Mild
Mild

Chronic Active, Minimal

Multiple

Mild

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05135-07
Test Type: CHRONIC
Species/Strain: Rat/F 344/N

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

Date Report Requested: 10/22/2014
Time Report Requested: 18:27:45
First Dose M/F: NA / NA
Lab: BNW

ANIMAL ID: 505

TRT#: 6
DOSE: 700 PPM

SEX: Female
DISP: Terminal Sacrifice

DAY ON TEST: 735
HISTO: 33450

ORGAN AND ACCOUNTABLE SITE STATUS

[Fibrosis TGLS = 7-4]

[Leukemia Mononuclear TGLS = 6-4]

* Thyroid Gland

C Cell

Hyperplasia

Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05135-07

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Isoprene

CAS Number: 78-79-5

Date Report Requested: 10/22/2014

Time Report Requested: 18:27:45

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 506

TRT#: 6

SEX: Female

DAY ON TEST: 111

DOSE: 700 PPM

DISP: Moribund Sacrifice

HISTO: 33451

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- | | | | |
|--------------------------|----------------------------|---------------------------|-----------------------------|
| * Adrenal Cortex | * Adrenal Medulla | * Bone | * Bone Marrow |
| * Brain | * Clitoral Gland | * Esophagus | * Heart |
| * Intestine Large, Cecum | * Intestine Large, Colon | * Intestine Large, Rectum | * Intestine Small, Duodenum |
| * Intestine Small, Ileum | * Intestine Small, Jejunum | * Islets, Pancreatic | * Kidney |
| * Larynx | * Liver | * Lung | * Lymph Node, Mandibular |
| * Lymph Node, Mesenteric | * Mammary Gland | * Nose | * Ovary |
| * Pancreas | * Parathyroid Gland | * Pituitary Gland | * Salivary Glands |
| * Skin | * Spleen | * Stomach, Forestomach | * Stomach, Glandular |
| * Thymus | * Thyroid Gland | * Trachea | * Urinary Bladder |
| * Uterus | | | |

MISSING

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

OBSERVATIONS

- | | |
|-------|----------------------------|
| Tooth | Developmental Malformation |
|-------|----------------------------|

PRIMARY CAUSE OF DEATH

- Tooth Developmental Malformation

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05135-07

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Isoprene

CAS Number: 78-79-5

Date Report Requested: 10/22/2014

Time Report Requested: 18:27:45

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 507

TRT#: 6

SEX: Female

DAY ON TEST: 735

DOSE: 700 PPM

DISP: Terminal Sacrifice

HISTO: 33452

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Bone	* Bone Marrow	* Brain	* Esophagus
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Larynx
* Lymph Node, Bronchial	* Lymph Node, Mandibular	* Lymph Node, Mediastinal	* Lymph Node, Mesenteric
* Nose	* Ovary	* Pancreas	* Parathyroid Gland
* Salivary Glands	* Skin	* Spleen	* Stomach, Forestomach
* Stomach, Glandular	* Thymus	* Trachea	* Urinary Bladder
* Uterus			

OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Mild
* Adrenal Medulla		Hyperplasia	Mild
* Clitoral Gland		Adenoma	
[Adenoma TGLS = 6-7]			
* Heart		Cardiomyopathy	Mild
* Kidney		Nephropathy	Mild
* Liver		Basophilic Focus	
		Eosinophilic Focus	
		Mixed Cell Focus	
[Mixed Cell Focus TGLS = 5-11]			
* Lung		Inflammation	Chronic Active, Minimal
* Mammary Gland		Fibroadenoma	Multiple
[Fibroadenoma TGLS = 1,2,3-12+13+14+15]			
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 4-8]			
* Thyroid Gland	C Cell	Hyperplasia	Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05135-07

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Isoprene

CAS Number: 78-79-5

Date Report Requested: 10/22/2014

Time Report Requested: 18:27:45

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 508

TRT#: 6

SEX: Female

DAY ON TEST: 735

DOSE: 700 PPM

DISP: Terminal Sacrifice

HISTO: 33453

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- | | | | |
|--------------------------|----------------------------|---------------------------|-----------------------------|
| * Bone | * Bone Marrow | * Brain | * Esophagus |
| * Intestine Large, Cecum | * Intestine Large, Colon | * Intestine Large, Rectum | * Intestine Small, Duodenum |
| * Intestine Small, Ileum | * Intestine Small, Jejunum | * Islets, Pancreatic | * Larynx |
| * Nose | * Ovary | * Parathyroid Gland | * Salivary Glands |
| * Skin | * Stomach, Forestomach | * Stomach, Glandular | * Trachea |
| * Uterus | | | |

MISSING

- | | |
|-------------------------|----------|
| * Lymph Node, Bronchial | * Thymus |
|-------------------------|----------|

OBSERVATIONS

- | | | | |
|-------------------------------------|-----------|----------------------|----------|
| * Adrenal Cortex | | Adenoma | |
| | | Leukemia Mononuclear | |
| [Adenoma TGLS = 6-5] | | | |
| * Adrenal Medulla | | Hyperplasia | Mild |
| | | Leukemia Mononuclear | |
| [Leukemia Mononuclear TGLS = 6-5] | | | |
| * Clitoral Gland | | Carcinoma | |
| [Carcinoma TGLS = 2-12] | | | |
| * Heart | | Cardiomyopathy | Mild |
| * Kidney | | Leukemia Mononuclear | |
| | | Nephropathy | Mild |
| * Liver | | Basophilic Focus | |
| | Bile Duct | Hyperplasia | Minimal |
| | | Leukemia Mononuclear | |
| [Basophilic Focus TGLS = 5-4] | | | |
| [Leukemia Mononuclear TGLS = 5-4] | | | |
| * Lung | | Leukemia Mononuclear | |
| * Lymph Node, Mandibular | | Leukemia Mononuclear | |
| * Lymph Node, Mediastinal | | Leukemia Mononuclear | |
| * Lymph Node, Mesenteric | | Leukemia Mononuclear | |
| * Mammary Gland | | Fibroadenoma | Multiple |

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05135-07

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Isoprene

CAS Number: 78-79-5

Date Report Requested: 10/22/2014

Time Report Requested: 18:27:45

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 508

TRT#: 6

SEX: Female

DAY ON TEST: 735

DOSE: 700 PPM

DISP: Terminal Sacrifice

HISTO: 33453

ORGAN AND ACCOUNTABLE SITE STATUS

[Fibroadenoma TGLS = 2-12+13+14]

* Pancreas

Atrophy

Mild

* Pituitary Gland

Pars Distalis

Adenoma

[Adenoma TGLS = 1-8]

* Spleen

Fibrosis

Mild

Leukemia Mononuclear

[Fibrosis TGLS = 4-11]

[Leukemia Mononuclear TGLS = 3-11]

* Thyroid Gland

C Cell

Hyperplasia

Minimal

* Urinary Bladder

Leukemia Mononuclear

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05135-07

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Isoprene

CAS Number: 78-79-5

Date Report Requested: 10/22/2014

Time Report Requested: 18:27:45

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 509

TRT#: 6

SEX: Female

DAY ON TEST: 617

DOSE: 700 PPM

DISP: Moribund Sacrifice

HISTO: 33454

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Bone	* Esophagus	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Larynx	* Pancreas	* Salivary Glands
* Skin	* Stomach, Forestomach	* Stomach, Glandular	* Thyroid Gland
* Trachea	* Urinary Bladder	* Uterus	

MISSING

* Parathyroid Gland	* Thymus		
---------------------	----------	--	--

OBSERVATIONS

* Adrenal Cortex		Leukemia Mononuclear	
* Adrenal Medulla		Leukemia Mononuclear	
* Bone Marrow		Leukemia Mononuclear	
* Brain		Leukemia Mononuclear	
* Clitoral Gland		Carcinoma	
[Carcinoma TGLS = 3-13]			
* Heart		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 3-13]			
* Kidney		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 3-13]		Nephropathy	Minimal
* Liver		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 5-4]	Centrilobular	Necrosis	Minimal
* Lung		Inflammation	Chronic Active, Minimal
		Leukemia Mononuclear	
* Lymph Node, Bronchial		Leukemia Mononuclear	
* Lymph Node, Mandibular		Leukemia Mononuclear	
* Lymph Node, Mediastinal		Leukemia Mononuclear	
* Lymph Node, Mesenteric		Leukemia Mononuclear	
* Mammary Gland		Fibroadenoma	
[Fibroadenoma TGLS = 2-12]			

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05135-07

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Isoprene

CAS Number: 78-79-5

Date Report Requested: 10/22/2014

Time Report Requested: 18:27:45

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 509

TRT#: 6

SEX: Female

DAY ON TEST: 617

DOSE: 700 PPM

DISP: Moribund Sacrifice

HISTO: 33454

ORGAN AND ACCOUNTABLE SITE STATUS

* Nose		Inflammation	Suppurative, Minimal
* Ovary		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLS = 2-12]		
* Pituitary Gland	Pars Distalis	Hyperplasia	Mild
* Spleen		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLS = 4-11]		

PRIMARY CAUSE OF DEATH - Spleen Leukemia Mononuclear

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05135-07

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Isoprene

CAS Number: 78-79-5

Date Report Requested: 10/22/2014

Time Report Requested: 18:27:45

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 510

TRT#: 6

SEX: Female

DAY ON TEST: 713

DOSE: 700 PPM

DISP: Moribund Sacrifice

HISTO: 33455

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Bone	* Clitoral Gland	* Esophagus	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Larynx	* Lymph Node, Mandibular
* Nose	* Pancreas	* Parathyroid Gland	* Salivary Glands
* Skin	* Stomach, Glandular	* Trachea	* Urinary Bladder
* Uterus			

MISSING

* Lymph Node, Bronchial

OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Minimal
		Leukemia Mononuclear	
* Adrenal Medulla		Hyperplasia	Mild
		Leukemia Mononuclear	
* Bone Marrow		Leukemia Mononuclear	
* Brain		Leukemia Mononuclear	
* Heart		Leukemia Mononuclear	
* Kidney		Leukemia Mononuclear	
		Nephropathy	Mild
* Liver		Fatty Change	Moderate
		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLS = 8-4]		
* Lung		Leukemia Mononuclear	
Lymph Node	Pancreatic	Leukemia Mononuclear	
	[Leukemia Mononuclear TGLS = 9-12]		
* Lymph Node, Mediastinal		Leukemia Mononuclear	
* Lymph Node, Mesenteric		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLS = 10-11]		
* Mammary Gland		Fibroadenoma	Multiple
	[Fibroadenoma TGLS = 5,6-13+14+7]		
Mesentery	Fat	Necrosis	Mild

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05135-07

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Isoprene

CAS Number: 78-79-5

Date Report Requested: 10/22/2014

Time Report Requested: 18:27:45

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 510

TRT#: 6

SEX: Female

DAY ON TEST: 713

DOSE: 700 PPM

DISP: Moribund Sacrifice

HISTO: 33455

ORGAN AND ACCOUNTABLE SITE STATUS

[Necrosis TGLS = 7-15]			
* Ovary		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 7-15]			
* Pituitary Gland	Pars Distalis	Hyperplasia Leukemia Mononuclear	Moderate
[Leukemia Mononuclear TGLS = 7-15]			
* Spleen		Hemorrhage Leukemia Mononuclear	Mild
[Hemorrhage TGLS = 4-12]			
[Leukemia Mononuclear TGLS = 3-12]			
* Stomach, Forestomach		Necrosis	Marked
* Thymus		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 3-12]			
* Thyroid Gland	C Cell	Hyperplasia	Moderate
Tongue		Hyperplasia	Minimal
[Hyperplasia TGLS = 10-11]			
PRIMARY CAUSE OF DEATH	- Thymus	Leukemia Mononuclear	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05135-07

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Isoprene

CAS Number: 78-79-5

Date Report Requested: 10/22/2014

Time Report Requested: 18:27:45

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 511

TRT#: 6

SEX: Female

DAY ON TEST: 735

DOSE: 700 PPM

DISP: Terminal Sacrifice

HISTO: 33456

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone Marrow	* Brain	* Clitoral Gland
* Esophagus	* Heart	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Larynx	* Lymph Node, Mandibular	* Lymph Node, Mediastinal
* Lymph Node, Mesenteric	* Nose	* Ovary	* Parathyroid Gland
* Salivary Glands	* Skin	* Spleen	* Stomach, Forestomach
* Stomach, Glandular	* Thymus	* Trachea	* Urinary Bladder
* Uterus			

MISSING

* Lymph Node, Bronchial

OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Marked
		Hypertrophy	Moderate
* Bone		Hyperostosis	Marked
* Kidney		Nephropathy	Moderate
* Liver		Basophilic Focus	
* Lung		Inflammation	Chronic Active, Minimal
* Mammary Gland		Fibroadenoma	Multiple
[Fibroadenoma TGLS = 1,2-11+12]			
* Pancreas		Atrophy	Minimal
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 3-8]			
* Thyroid Gland	C Cell	Adenoma	
	C Cell	Hyperplasia	Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05135-07

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Isoprene

CAS Number: 78-79-5

Date Report Requested: 10/22/2014

Time Report Requested: 18:27:45

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 512

TRT#: 6

SEX: Female

DAY ON TEST: 710

DOSE: 700 PPM

DISP: Natural Death

HISTO: 33457

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- | | | | |
|-----------------------------|--------------------------|-----------------|--------------------------|
| * Adrenal Cortex | * Bone | * Bone Marrow | * Brain |
| * Clitoral Gland | * Esophagus | * Heart | * Intestine Large, Colon |
| * Intestine Small, Duodenum | * Islets, Pancreatic | * Larynx | * Lymph Node, Bronchial |
| * Lymph Node, Mandibular | * Lymph Node, Mesenteric | * Ovary | * Pancreas |
| * Parathyroid Gland | * Salivary Glands | * Skin | * Stomach, Forestomach |
| * Stomach, Glandular | * Thymus | * Thyroid Gland | * Trachea |
| * Urinary Bladder | * Uterus | | |

MISSING

- * Lymph Node, Mediastinal

AUTO PRECLUDES DIAG.

- | | | | |
|--------------------------|---------------------------|--------------------------|----------------------------|
| * Intestine Large, Cecum | * Intestine Large, Rectum | * Intestine Small, Ileum | * Intestine Small, Jejunum |
|--------------------------|---------------------------|--------------------------|----------------------------|

OBSERVATIONS

- | | | | |
|-------------------------------------|---------------|-------------------------|----------------------|
| * Adrenal Medulla | | Pheochromocytoma Benign | |
| * Kidney | | Leukemia Mononuclear | |
| | | Nephropathy | Mild |
| * Liver | | Basophilic Focus | |
| | | Leukemia Mononuclear | |
| * Lung | | Leukemia Mononuclear | |
| * Mammary Gland | | Fibroadenoma | |
| [Fibroadenoma TGLS = 1-11+7] | | | |
| * Nose | | Inflammation | Suppurative, Minimal |
| * Pituitary Gland | Pars Distalis | Adenoma | |
| [Adenoma TGLS = 3-8] | | | |
| * Spleen | | Leukemia Mononuclear | |
| [Leukemia Mononuclear TGLS = 2-4] | | | |

PRIMARY CAUSE OF DEATH

- Pituitary Gland Pars Distalis Adenoma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05135-07

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Isoprene

CAS Number: 78-79-5

Date Report Requested: 10/22/2014

Time Report Requested: 18:27:45

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 513

TRT#: 6

SEX: Female

DAY ON TEST: 734

DOSE: 700 PPM

DISP: Terminal Sacrifice

HISTO: 33458

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Brain	* Clitoral Gland	* Esophagus	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Larynx	* Lymph Node, Bronchial
* Lymph Node, Mandibular	* Lymph Node, Mediastinal	* Lymph Node, Mesenteric	* Mammary Gland
* Nose	* Ovary	* Pancreas	* Parathyroid Gland
* Salivary Glands	* Skin	* Spleen	* Stomach, Forestomach
* Stomach, Glandular	* Thymus	* Trachea	* Urinary Bladder

OBSERVATIONS

* Heart		Schwannoma Benign	
[Schwannoma Benign TGLS = 2-12]			
* Kidney		Nephropathy	Mild
* Liver		Basophilic Focus	
		Clear Cell Focus	
		Hepatodiaphragmatic Nodule	
[Hepatodiaphragmatic Nodule TGLS = 3-11]			
* Lung	Alveolar Epith	Hyperplasia	Minimal
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 1-8]			
* Thyroid Gland	C Cell	Hyperplasia	Minimal
* Uterus		Polyp Stromal	
[Polyp Stromal TGLS = 4-13]			

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05135-07

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Isoprene

CAS Number: 78-79-5

Date Report Requested: 10/22/2014

Time Report Requested: 18:27:45

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 514

TRT#: 6

SEX: Female

DAY ON TEST: 727

DOSE: 700 PPM

DISP: Moribund Sacrifice

HISTO: 33459

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone Marrow	* Brain
* Esophagus	* 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
* Lymph Node, Mesenteric	* Ovary	* Pancreas	* Parathyroid Gland
* Salivary Glands	* Skin	* Spleen	* Stomach, Forestomach
* Stomach, Glandular	* Thymus	* Trachea	* Urinary Bladder
* Uterus			

MISSING

* Clitoral Gland

OBSERVATIONS

* Bone		Hyperostosis	Mild
Eye	Retina	Atrophy	Marked
		Cataract	Mild
	[Cataract TGLS = 3-11]		
* Heart		Cardiomyopathy	Minimal
* Islets, Pancreatic		Carcinoma	
* Kidney		Nephropathy	Minimal
* Liver		Angiectasis	Minimal
		Basophilic Focus	
* Mammary Gland		Fibroadenoma	Multiple
	[Fibroadenoma TGLS = 1,5-12+13+14+15]		
* Nose		Foreign Body	
		Inflammation	Suppurative, Minimal
* Pituitary Gland	Pars Distalis	Adenoma	
	[Adenoma TGLS = 4-8]		
* Thyroid Gland	C Cell	Hyperplasia	Mild

PRIMARY CAUSE OF DEATH - Mammary Gland Fibroadenoma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05135-07

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Isoprene

CAS Number: 78-79-5

Date Report Requested: 10/22/2014

Time Report Requested: 18:27:45

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 515

TRT#: 6

SEX: Female

DAY ON TEST: 736

DOSE: 700 PPM

DISP: Terminal Sacrifice

HISTO: 33460

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Bone Marrow	* Brain
* Clitoral Gland	* Esophagus	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Larynx	* Lymph Node, Mandibular	* Lymph Node, Mediastinal
* Lymph Node, Mesenteric	* Nose	* Ovary	* Salivary Glands
* Skin	* Spleen	* Stomach, Forestomach	* Stomach, Glandular
* Thymus	* Thyroid Gland	* Trachea	* Urinary Bladder

MISSING

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

OBSERVATIONS

* Adrenal Cortex	Vacuolization Cytoplasmic	Mild
* Heart	Cardiomyopathy	Minimal
* Kidney	Nephropathy	Minimal
* Liver	Angiectasis	Mild
	Basophilic Focus	
	Clear Cell Focus	
	Hepatodiaphragmatic Nodule	
	Mixed Cell Focus	
[Hepatodiaphragmatic Nodule TGLS = 4-15]		
[Mixed Cell Focus TGLS = 3-16]		
* Lung	Inflammation	Chronic Active, Minimal
* Mammary Gland	Fibroadenoma	Multiple
[Fibroadenoma TGLS = 1,2,5-11+12+13+14]		
* Pancreas	Atrophy	Minimal
* Pituitary Gland	Adenoma	
[Adenoma TGLS = 6-8]		
* Uterus	Polyp Stromal	
[Polyp Stromal TGLS = 7-17]		

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05135-07

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Isoprene

CAS Number: 78-79-5

Date Report Requested: 10/22/2014

Time Report Requested: 18:27:45

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 516

TRT#: 6

SEX: Female

DAY ON TEST: 734

DOSE: 700 PPM

DISP: Terminal Sacrifice

HISTO: 33461

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Bone Marrow	* Brain
* Clitoral Gland	* Esophagus	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Larynx	* Lung	* Lymph Node, Bronchial
* Lymph Node, Mandibular	* Lymph Node, Mediastinal	* Lymph Node, Mesenteric	* Mammary Gland
* Nose	* Pancreas	* Parathyroid Gland	* Salivary Glands
* Skin	* Spleen	* Stomach, Forestomach	* Stomach, Glandular
* Thymus	* Trachea	* Urinary Bladder	* Uterus

OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Minimal
		Hypertrophy	Minimal
* Heart		Cardiomyopathy	Mild
* Kidney	Renal Tubule	Adenoma	
		Nephropathy	Mild
[Nephropathy TGLS = 3-5]			
* Liver		Basophilic Focus	
[Basophilic Focus TGLS = 3-5]			
Mesentery	Fat	Necrosis	Moderate
[Necrosis TGLS = 4-11]			
* Ovary		Cyst	Mild
[Cyst TGLS = 2-7]			
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 1-8]			
* Thyroid Gland	C Cell	Hyperplasia	Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05135-07

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Isoprene

CAS Number: 78-79-5

Date Report Requested: 10/22/2014

Time Report Requested: 18:27:45

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 517

TRT#: 6

SEX: Female

DAY ON TEST: 734

DOSE: 700 PPM

DISP: Terminal Sacrifice

HISTO: 33462

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Bone Marrow	* Clitoral Gland
* Esophagus	* Heart	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Larynx	* Lymph Node, Bronchial	* Lymph Node, Mandibular
* Lymph Node, Mediastinal	* Lymph Node, Mesenteric	* Nose	* Ovary
* Pancreas	* Parathyroid Gland	* Salivary Glands	* Skin
* Spleen	* Stomach, Forestomach	* Thymus	* Trachea
* Urinary Bladder	* Uterus		

OBSERVATIONS

* Adrenal Cortex		Hypertrophy	Minimal
* Brain		Carcinoma	Metastatic (Pituitary Gland)
* Kidney		Nephropathy	Mild
* Liver		Basophilic Focus	
		Clear Cell Focus	
* Lung	Alveolar Epith	Hyperplasia	Minimal
		Inflammation	Chronic Active, Minimal
* Mammary Gland		Fibroadenoma	
[Fibroadenoma TGLS = 2-11]			
* Pituitary Gland	Pars Distalis	Carcinoma	
[Carcinoma TGLS = 3,4-8]			
* Stomach, Glandular		Mineralization	Minimal
* Thyroid Gland	C Cell	Hyperplasia	Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05135-07

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Isoprene

CAS Number: 78-79-5

Date Report Requested: 10/22/2014

Time Report Requested: 18:27:45

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 518

TRT#: 6

SEX: Female

DAY ON TEST: 735

DOSE: 700 PPM

DISP: Terminal Sacrifice

HISTO: 33463

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Bone Marrow	* Brain
* Esophagus	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Larynx	* Liver	* Lymph Node, Bronchial	* Lymph Node, Mandibular
* Lymph Node, Mediastinal	* Lymph Node, Mesenteric	* Nose	* Ovary
* Pancreas	* Parathyroid Gland	* Salivary Glands	* Skin
* Spleen	* Stomach, Forestomach	* Stomach, Glandular	* Thymus
* Trachea	* Urinary Bladder	* Uterus	

OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Minimal
* Clitoral Gland		Adenoma	
Eye	Retina	Atrophy	Marked
		Cataract	Marked
[Cataract TGLS = 1-11]			
* Heart		Cardiomyopathy	Minimal
* Kidney		Nephropathy	Mild
* Lung		Inflammation	Chronic Active, Minimal
* Mammary Gland		Fibroadenoma	
[Fibroadenoma TGLS = 2-12]			
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 3-8]			
* Thyroid Gland	C Cell	Hyperplasia	Marked

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05135-07

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Isoprene

CAS Number: 78-79-5

Date Report Requested: 10/22/2014

Time Report Requested: 18:27:45

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 519

TRT#: 6

SEX: Female

DAY ON TEST: 736

DOSE: 700 PPM

DISP: Terminal Sacrifice

HISTO: 33464

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Bone Marrow	* Brain
* Clitoral Gland	* Esophagus	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Larynx	* Lung	* Lymph Node, Bronchial
* Lymph Node, Mandibular	* Lymph Node, Mediastinal	* Lymph Node, Mesenteric	* Nose
* Ovary	* Parathyroid Gland	* Salivary Glands	* Skin
* Spleen	* Stomach, Forestomach	* Stomach, Glandular	* Thymus
* Trachea	* Urinary Bladder	* Uterus	

OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Mild
* Heart		Cardiomyopathy	Minimal
* Kidney		Nephropathy	Mild
* Liver		Basophilic Focus	
* Mammary Gland		Fibroadenoma	Multiple
		Galactocele	Marked
[Fibroadenoma TGLS = 1,3-11+12]			
[Galactocele TGLS = 3-12]			
* Pancreas		Basophilic Focus	
[Basophilic Focus TGLS = 3-12]			
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 2-8]			
* Thyroid Gland	C Cell	Hyperplasia	Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05135-07

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Isoprene

CAS Number: 78-79-5

Date Report Requested: 10/22/2014

Time Report Requested: 18:27:45

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 520

TRT#: 6

SEX: Female

DAY ON TEST: 735

DOSE: 700 PPM

DISP: Terminal Sacrifice

HISTO: 33465

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Bone Marrow	* Brain
* Clitoral Gland	* Esophagus	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Larynx	* Lymph Node, Bronchial	* Lymph Node, Mandibular
* Lymph Node, Mediastinal	* Lymph Node, Mesenteric	* Nose	* Ovary
* Pancreas	* Parathyroid Gland	* Salivary Glands	* Skin
* Spleen	* Stomach, Forestomach	* Stomach, Glandular	* Thymus
* Trachea	* Urinary Bladder	* Uterus	

OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Minimal
* Heart		Cardiomyopathy	Minimal
* Kidney		Nephropathy	Minimal
* Liver		Basophilic Focus	
		Hepatodiaphragmatic Nodule	
		Mixed Cell Focus	
[Hepatodiaphragmatic Nodule TGLS = 6-16]			
[Mixed Cell Focus TGLS = 5-15]			
* Lung		Inflammation	Chronic Active, Minimal
* Mammary Gland		Fibroadenoma	Multiple
[Fibroadenoma TGLS = 1,2-11+12+13+14]			
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 4-8]			
* Thyroid Gland	C Cell	Carcinoma	
[Carcinoma TGLS = 3-2]			

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05135-07

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Isoprene

CAS Number: 78-79-5

Date Report Requested: 10/22/2014

Time Report Requested: 18:27:45

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 521

TRT#: 6

SEX: Female

DAY ON TEST: 510

DOSE: 700 PPM

DISP: Moribund Sacrifice

HISTO: 33466

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Brain	* Clitoral Gland	* Esophagus	* Heart
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Larynx
* Lung	* Lymph Node, Bronchial	* Lymph Node, Mandibular	* Lymph Node, Mediastinal
* Lymph Node, Mesenteric	* Mammary Gland	* Nose	* Ovary
* Pancreas	* Salivary Glands	* Skin	* Spleen
* Stomach, Forestomach	* Stomach, Glandular	* Thymus	* Trachea
* Urinary Bladder	* Uterus		

MISSING

* Parathyroid Gland

OBSERVATIONS

* Kidney		Nephropathy	Mild
* Liver		Basophilic Focus	
		Mixed Cell Focus	
[Mixed Cell Focus TGLS = 3,4-4]			
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 2-8]			
* Thyroid Gland	C Cell	Hyperplasia	Minimal

PRIMARY CAUSE OF DEATH - Pituitary Gland Pars Distalis Adenoma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05135-07

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Isoprene

CAS Number: 78-79-5

Date Report Requested: 10/22/2014

Time Report Requested: 18:27:45

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 522

TRT#: 6

SEX: Female

DAY ON TEST: 736

DOSE: 700 PPM

DISP: Terminal Sacrifice

HISTO: 33467

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone Marrow	* Brain	* Esophagus
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Larynx
* Lymph Node, Bronchial	* Lymph Node, Mandibular	* Lymph Node, Mediastinal	* Lymph Node, Mesenteric
* Nose	* Ovary	* Parathyroid Gland	* Salivary Glands
* Skin	* Spleen	* Stomach, Forestomach	* Stomach, Glandular
* Trachea	* Urinary Bladder	* Uterus	

MISSING

* Thymus

OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Mild
* Bone		Hyperostosis	Moderate
* Clitoral Gland		Adenoma	
[Adenoma TGLS = 2-13+7]			
* Heart		Cardiomyopathy	Mild
* Kidney		Nephropathy	Mild
* Liver		Basophilic Focus	
[Hepatocellular Adenoma TGLS = 4-14]		Hepatocellular Adenoma	
* Lung	Alveolar Epith	Hyperplasia	Marked
		Inflammation	Chronic Active, Minimal
* Mammary Gland		Fibroadenoma	Multiple
[Fibroadenoma TGLS = 1,3-11+12]			
* Pancreas		Atrophy	Mild
* Pituitary Gland	Pars Distalis	Adenoma	
* Thyroid Gland	C Cell	Hyperplasia	Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05135-07

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Isoprene

CAS Number: 78-79-5

Date Report Requested: 10/22/2014

Time Report Requested: 18:27:45

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 523

TRT#: 6

SEX: Female

DAY ON TEST: 699

DOSE: 700 PPM

DISP: Natural Death

HISTO: 33468

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Brain	* Clitoral Gland	* Esophagus	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Larynx
* Nose	* Pancreas	* Salivary Glands	* Skin
* Stomach, Forestomach	* Stomach, Glandular	* Trachea	* Urinary Bladder

MISSING

* Parathyroid Gland

AUTO PRECLUDES DIAG.

* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Small, Ileum	* Thyroid Gland
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OBSERVATIONS

* Adrenal Cortex [Leukemia Mononuclear TGLS = 5-8+12]	Leukemia Mononuclear	
* Adrenal Medulla [Leukemia Mononuclear TGLS = 5-8+12]	Leukemia Mononuclear	
* Bone	Hyperostosis	Moderate
* Bone Marrow	Leukemia Mononuclear	
* Heart	Cardiomyopathy	Mild
* Kidney	Leukemia Mononuclear Nephropathy	Mild
* Liver [Leukemia Mononuclear TGLS = 2-4]	Leukemia Mononuclear	
* Lung [Leukemia Mononuclear TGLS = 2-4]	Leukemia Mononuclear	
* Lymph Node, Bronchial [Leukemia Mononuclear TGLS = 5-8+12]	Leukemia Mononuclear	
* Lymph Node, Mandibular [Leukemia Mononuclear TGLS = 5-8+12]	Leukemia Mononuclear	
* Lymph Node, Mediastinal [Leukemia Mononuclear TGLS = 5-8+12]	Leukemia Mononuclear	
* Lymph Node, Mesenteric [Leukemia Mononuclear TGLS = 5-8+12]	Leukemia Mononuclear	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05135-07

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Isoprene

CAS Number: 78-79-5

Date Report Requested: 10/22/2014

Time Report Requested: 18:27:45

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 523

TRT#: 6

SEX: Female

DAY ON TEST: 699

DOSE: 700 PPM

DISP: Natural Death

HISTO: 33468

ORGAN AND ACCOUNTABLE SITE STATUS

* Mammary Gland [Fibroadenoma TGLS = 1-13+14]		Fibroadenoma	
* Ovary		Cyst	Mild
* Pituitary Gland [Adenoma TGLS = 4-8]	Pars Distalis	Adenoma Leukemia Mononuclear	
* Spleen [Leukemia Mononuclear TGLS = 3-11]		Leukemia Mononuclear	
* Thymus [Leukemia Mononuclear TGLS = 3-11]		Leukemia Mononuclear	
* Uterus [Polyp Stromal TGLS = 5-8+12]		Polyp Stromal	Multiple

PRIMARY CAUSE OF DEATH - Thymus Leukemia Mononuclear

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05135-07

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Isoprene

CAS Number: 78-79-5

Date Report Requested: 10/22/2014

Time Report Requested: 18:27:45

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 524

TRT#: 6

SEX: Female

DAY ON TEST: 580

DOSE: 700 PPM

DISP: Natural Death

HISTO: 33469

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- | | | | |
|---------------------------|-----------------------------|---------------------------|--------------------------|
| * Adrenal Cortex | * Adrenal Medulla | * Bone | * Bone Marrow |
| * Brain | * Clitoral Gland | * Esophagus | * Intestine Large, Colon |
| * Intestine Large, Rectum | * Intestine Small, Duodenum | * Islets, Pancreatic | * Larynx |
| * Lymph Node, Bronchial | * Lymph Node, Mandibular | * Lymph Node, Mediastinal | * Lymph Node, Mesenteric |
| * Mammary Gland | * Nose | * Ovary | * Pancreas |
| * Parathyroid Gland | * Salivary Glands | * Skin | * Spleen |
| * Stomach, Forestomach | * Stomach, Glandular | * Thymus | * Thyroid Gland |
| * Trachea | * Urinary Bladder | * Uterus | |

AUTO PRECLUDES DIAG.

- | | | |
|--------------------------|--------------------------|----------------------------|
| * Intestine Large, Cecum | * Intestine Small, Ileum | * Intestine Small, Jejunum |
|--------------------------|--------------------------|----------------------------|

OBSERVATIONS

- | | | | |
|------------------------|---------------|------------------|-------------------------|
| * Heart | | Cardiomyopathy | Mild |
| * Kidney | | Nephropathy | Mild |
| * Liver | | Mixed Cell Focus | |
| * Lung | | Inflammation | Chronic Active, Minimal |
| * Pituitary Gland | Pars Distalis | Adenoma | |
| [Adenoma TGLS = 2-8] | | | |

PRIMARY CAUSE OF DEATH

- Pituitary Gland Pars Distalis Adenoma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05135-07

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Isoprene

CAS Number: 78-79-5

Date Report Requested: 10/22/2014

Time Report Requested: 18:27:45

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 525

TRT#: 6

DOSE: 700 PPM

SEX: Female

DISP: Moribund Sacrifice

DAY ON TEST: 547

HISTO: 33470

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Bone	* Brain	* Clitoral Gland	* Esophagus
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Larynx	* Mammary Gland
* Nose	* Pancreas	* Parathyroid Gland	* Salivary Glands
* Skin	* Stomach, Glandular	* Thyroid Gland	* Trachea
* Urinary Bladder	* Uterus		

OBSERVATIONS

* Adrenal Cortex		Hypertrophy	Mild
		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 7-6+13]			
* Adrenal Medulla		Leukemia Mononuclear	
* Bone Marrow		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 2-8]			
* Heart		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 2-8]			
* Intestine Large, Cecum		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 7-6+13]			
* Kidney		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 2-8]			
* Liver		Fatty Change	Moderate
		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 3-4]			
* Lung		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 1-3+3A+11]			
Lymph Node	Pancreatic	Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 4-12]			
* Lymph Node, Bronchial		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 7-6+13]			
* Lymph Node, Mandibular		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 7-6+13]			

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05135-07

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Isoprene

CAS Number: 78-79-5

Date Report Requested: 10/22/2014

Time Report Requested: 18:27:45

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 525

TRT#: 6

SEX: Female

DAY ON TEST: 547

DOSE: 700 PPM

DISP: Moribund Sacrifice

HISTO: 33470

ORGAN AND ACCOUNTABLE SITE STATUS

* Lymph Node, Mediastinal [Leukemia Mononuclear TGLS = 8-14]		Leukemia Mononuclear	
* Lymph Node, Mesenteric [Leukemia Mononuclear TGLS = 7-6+13]		Leukemia Mononuclear	
* Ovary [Leukemia Mononuclear TGLS = 4-12]		Leukemia Mononuclear	
* Pituitary Gland [Adenoma TGLS = 2-8] [Leukemia Mononuclear TGLS = 4-12]	Pars Distalis	Adenoma Leukemia Mononuclear	
* Spleen [Hemorrhage TGLS = 6-12] [Leukemia Mononuclear TGLS = 5-12]		Hemorrhage Leukemia Mononuclear	Mild
* Stomach, Forestomach [Necrosis TGLS = 8-14]		Necrosis	Mild
* Thymus [Leukemia Mononuclear TGLS = 5-12]		Leukemia Mononuclear	

PRIMARY CAUSE OF DEATH - Thymus Leukemia Mononuclear

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05135-07

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Isoprene

CAS Number: 78-79-5

Date Report Requested: 10/22/2014

Time Report Requested: 18:27:45

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 526

TRT#: 6

SEX: Female

DAY ON TEST: 735

DOSE: 700 PPM

DISP: Terminal Sacrifice

HISTO: 33471

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Bone Marrow	* Clitoral Gland
* Esophagus	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Larynx	* Lymph Node, Mesenteric	* Nose	* Ovary
* Pancreas	* Parathyroid Gland	* Salivary Glands	* Skin
* Stomach, Forestomach	* Stomach, Glandular	* Thymus	* Trachea
* Urinary Bladder	* Uterus		

MISSING

* Lymph Node, Bronchial

OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Mild
* Brain		Astrocytoma Benign	
[Astrocytoma Benign TGLS = 8-14]			
* Clitoral GI			
Note: "Enlarged, 5x5mm dia, yellow" clitoral gland, noted at trim, was due to duct dilated by normal secretion.			
* Heart		Cardiomyopathy	Minimal
* Kidney		Leukemia Mononuclear	
		Nephropathy	Moderate
* Liver		Leukemia Mononuclear	
		Regeneration	Mild
[Leukemia Mononuclear TGLS = 4-4]			
* Lung		Leukemia Mononuclear	
* Lymph Node, Mandibular		Leukemia Mononuclear	
* Lymph Node, Mediastinal		Leukemia Mononuclear	
* Mammary Gland		Fibroadenoma	
[Fibroadenoma TGLS = 1-11]			
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 2-8]			
* Spleen		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 3-12]			

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05135-07

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Isoprene

CAS Number: 78-79-5

Date Report Requested: 10/22/2014

Time Report Requested: 18:27:45

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 526

TRT#: 6

SEX: Female

DAY ON TEST: 735

DOSE: 700 PPM

DISP: Terminal Sacrifice

HISTO: 33471

ORGAN AND ACCOUNTABLE SITE STATUS

* Thyroid Gland

C Cell

Hyperplasia

Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05135-07

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Isoprene

CAS Number: 78-79-5

Date Report Requested: 10/22/2014

Time Report Requested: 18:27:45

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 527

TRT#: 6

SEX: Female

DAY ON TEST: 736

DOSE: 700 PPM

DISP: Terminal Sacrifice

HISTO: 33472

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Bone Marrow	* Brain
* Clitoral Gland	* Esophagus	* Heart	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Larynx	* Lymph Node, Mandibular	* Lymph Node, Mediastinal
* Lymph Node, Mesenteric	* Mammary Gland	* Nose	* Ovary
* Parathyroid Gland	* Salivary Glands	* Skin	* Stomach, Glandular
* Thymus	* Trachea	* Urinary Bladder	

OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Mild
* Islets, Pancreatic		Hyperplasia	Moderate
* Kidney		Nephropathy	Mild
* Liver		Basophilic Focus	
		Leukemia Mononuclear	
		Mixed Cell Focus	
		Regeneration	Mild
[Mixed Cell Focus TGLS = 3-4+11]			
* Lung		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 3-4+11]			
* Lymph Node, Bronchial		Leukemia Mononuclear	
* Pancreas		Atrophy	Mild
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 1-8]			
* Spleen		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 2-12]			
* Stomach, Forestomach		Hyperplasia	Squamous, Mild
* Thyroid Gland	C Cell	Carcinoma	
* Uterus		Polyp Stromal	

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05135-07

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Isoprene

CAS Number: 78-79-5

Date Report Requested: 10/22/2014

Time Report Requested: 18:27:46

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 528

TRT#: 6

SEX: Female

DAY ON TEST: 581

DOSE: 700 PPM

DISP: Moribund Sacrifice

HISTO: 33473

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- | | | | |
|----------------------------|---------------------------|-----------------------------|--------------------------|
| * Bone | * Clitoral Gland | * Esophagus | * Intestine Large, Cecum |
| * Intestine Large, Colon | * Intestine Large, Rectum | * Intestine Small, Duodenum | * Intestine Small, Ileum |
| * Intestine Small, Jejunum | * Islets, Pancreatic | * Larynx | * Mammary Gland |
| * Parathyroid Gland | * Salivary Glands | * Skin | * Trachea |
| * Urinary Bladder | * Uterus | | |

MISSING

- * Thymus

OBSERVATIONS

- | | | |
|--|----------------------|-------------------------|
| * Adrenal Cortex | Leukemia Mononuclear | |
| [Leukemia Mononuclear TGLS = 5-13] | | |
| * Adrenal Medulla | Leukemia Mononuclear | |
| [Leukemia Mononuclear TGLS = 5-13] | | |
| * Bone Marrow | Leukemia Mononuclear | |
| * Brain | Leukemia Mononuclear | |
| * Heart | Leukemia Mononuclear | |
| * Kidney | Leukemia Mononuclear | |
| | Nephropathy | Minimal |
| * Liver | Fatty Change | Moderate |
| | Leukemia Mononuclear | |
| [Leukemia Mononuclear TGLS = 2-4] | | |
| * Lung | Inflammation | Chronic Active, Minimal |
| | Leukemia Mononuclear | |
| | Leukemia Mononuclear | |
| * Lymph Node, Bronchial | | |
| [Leukemia Mononuclear TGLS = 5-13] | | |
| * Lymph Node, Mandibular | Leukemia Mononuclear | |
| [Leukemia Mononuclear TGLS = 5-13] | | |
| * Lymph Node, Mediastinal | Leukemia Mononuclear | |
| [Leukemia Mononuclear TGLS = 6-8+14] | | |
| * Lymph Node, Mesenteric | Leukemia Mononuclear | |
| [Leukemia Mononuclear TGLS = 5-13] | | |

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05135-07
Test Type: CHRONIC
Species/Strain: Rat/F 344/N

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

Date Report Requested: 10/22/2014
Time Report Requested: 18:27:46
First Dose M/F: NA / NA
Lab: BNW

ANIMAL ID: 528	TRT#: 6 DOSE: 700 PPM	SEX: Female DISP: Moribund Sacrifice	DAY ON TEST: 581 HISTO: 33473
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ORGAN AND ACCOUNTABLE SITE STATUS

* Nose		Leukemia Mononuclear	
* Ovary		Leukemia Mononuclear	
* Pancreas		Leukemia Mononuclear	
* Pituitary Gland	Pars Distalis	Adenoma	
* Spleen		Hemorrhage	Moderate
		Leukemia Mononuclear	
	[Hemorrhage TGLS = 4-11]		
	[Leukemia Mononuclear TGLS = 3-12]		
* Stomach, Forestomach		Necrosis	Moderate
	[Necrosis TGLS = 6-8+14]		
* Stomach, Glandular		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLS = 6-8+14]		
* Thyroid Gland	C Cell	Hyperplasia	Minimal

PRIMARY CAUSE OF DEATH	- Spleen	Leukemia Mononuclear
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* PROTOCOL REQUIRED TISSUE

Experiment Number: 05135-07

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Isoprene

CAS Number: 78-79-5

Date Report Requested: 10/22/2014

Time Report Requested: 18:27:46

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 529

TRT#: 6

SEX: Female

DAY ON TEST: 736

DOSE: 700 PPM

DISP: Terminal Sacrifice

HISTO: 33474

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Brain	* Clitoral Gland
* Esophagus	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Larynx	* Lung	* Lymph Node, Bronchial	* Lymph Node, Mandibular
* Lymph Node, Mesenteric	* Nose	* Pancreas	* Parathyroid Gland
* Pituitary Gland	* Salivary Glands	* Skin	* Spleen
* Stomach, Forestomach	* Stomach, Glandular	* Thymus	* Trachea
* Urinary Bladder	* Uterus		

MISSING

* Lymph Node, Mediastinal

OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Mild
		Vacuolization Cytoplasmic	Mild
* Bone Marrow		Myelofibrosis	Mild
* Heart		Cardiomyopathy	Mild
* Kidney		Nephropathy	Mild
[Nephropathy TGLS = 3-5]			
* Liver		Basophilic Focus	
[Basophilic Focus TGLS = 3-5]			
* Mammary Gland		Fibroadenoma	Multiple
[Fibroadenoma TGLS = 1,2-12+13+11]			
* Ovary		Cyst	Mild
* Thyroid Gland	Follicular Cel	Hyperplasia	Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05135-07

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Isoprene

CAS Number: 78-79-5

Date Report Requested: 10/22/2014

Time Report Requested: 18:27:46

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 530

TRT#: 6

SEX: Female

DAY ON TEST: 427

DOSE: 700 PPM

DISP: Moribund Sacrifice

HISTO: 33475

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Bone	* Bone Marrow	* Clitoral Gland	* Esophagus
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Larynx
* Lymph Node, Bronchial	* Nose	* Ovary	* Parathyroid Gland
* Salivary Glands	* Skin	* Stomach, Forestomach	* Trachea
* Urinary Bladder	* Uterus		

OBSERVATIONS

* Adrenal Cortex		Leukemia Mononuclear	
* Adrenal Medulla		Hyperplasia	Mild
* Brain		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 5-1]		Leukemia Mononuclear	
* Heart		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 5-1]			
* Kidney		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 5-1]		Nephropathy	Minimal
* Liver	Bile Duct	Hyperplasia	Mild
[Leukemia Mononuclear TGLS = 2-4]		Leukemia Mononuclear	
* Lung		Inflammation	Chronic Active, Minimal
[Leukemia Mononuclear TGLS = 4-3]		Leukemia Mononuclear	
* Lymph Node, Mandibular		Leukemia Mononuclear	
* Lymph Node, Mediastinal		Leukemia Mononuclear	
* Lymph Node, Mesenteric		Leukemia Mononuclear	
* Mammary Gland		Leukemia Mononuclear	
Mesentery		Leukemia Mononuclear	
	Fat	Necrosis	Mild
[Leukemia Mononuclear TGLS = 3-11]			

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05135-07

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Isoprene

CAS Number: 78-79-5

Date Report Requested: 10/22/2014

Time Report Requested: 18:27:46

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 530

TRT#: 6

SEX: Female

DAY ON TEST: 427

DOSE: 700 PPM

DISP: Moribund Sacrifice

HISTO: 33475

ORGAN AND ACCOUNTABLE SITE STATUS

[Necrosis TGLS = 3-11]

* Pancreas

Atrophy

Mild

* Pituitary Gland

Leukemia Mononuclear

* Spleen

Leukemia Mononuclear

[Leukemia Mononuclear TGLS = 1-4]

* Stomach, Glandular

Leukemia Mononuclear

* Thymus

Leukemia Mononuclear

[Leukemia Mononuclear TGLS = 1-4]

* Thyroid Gland

C Cell

Hyperplasia

Mild

PRIMARY CAUSE OF DEATH

- Thymus Leukemia Mononuclear

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05135-07

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Isoprene

CAS Number: 78-79-5

Date Report Requested: 10/22/2014

Time Report Requested: 18:27:46

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 531

TRT#: 6

SEX: Female

DAY ON TEST: 721

DOSE: 700 PPM

DISP: Moribund Sacrifice

HISTO: 33476

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Bone	* Clitoral Gland	* Esophagus	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Larynx	* Parathyroid Gland
* Salivary Glands	* Skin	* Trachea	

OBSERVATIONS

* Adrenal Cortex		Leukemia Mononuclear	
* Adrenal Medulla		Leukemia Mononuclear	
* Bone Marrow		Leukemia Mononuclear	
* Brain		Leukemia Mononuclear	
* Heart		Leukemia Mononuclear	
* Kidney		Leukemia Mononuclear	
		Nephropathy	Mild
Note: "Focus, 2x3mm, pale", noted at necropsy, was not apparent microscopically.			
* Liver		Basophilic Focus	
		Fatty Change	Mild
	Bile Duct	Hyperplasia	Mild
		Leukemia Mononuclear	
	Centrilobular	Necrosis	Moderate
[Leukemia Mononuclear TGLS = 8-4]			
* Lung		Leukemia Mononuclear	
* Lymph Node, Bronchial		Leukemia Mononuclear	
* Lymph Node, Mandibular		Leukemia Mononuclear	
* Lymph Node, Mediastinal		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 9-8+13]			
* Lymph Node, Mesenteric		Leukemia Mononuclear	
* Mammary Gland		Fibroadenoma	Multiple
[Fibroadenoma TGLS = 2,3,5-15+16+11+12]			
Mesentery	Fat	Necrosis	Mild
[Necrosis TGLS = 6-17]			
* Nose		Leukemia Mononuclear	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05135-07

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Isoprene

CAS Number: 78-79-5

Date Report Requested: 10/22/2014

Time Report Requested: 18:27:46

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 531

TRT#: 6

SEX: Female

DAY ON TEST: 721

DOSE: 700 PPM

DISP: Moribund Sacrifice

HISTO: 33476

ORGAN AND ACCOUNTABLE SITE STATUS

* Ovary		Thrombosis	Mild
[Leukemia Mononuclear TGLS = 6-17]		Leukemia Mononuclear	
* Pancreas		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 6-17]			
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 4-8]		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 6-17]			
* Spleen		Fibrosis	Minimal
[Leukemia Mononuclear TGLS = 4-8]		Leukemia Mononuclear	
* Stomach, Forestomach		Leukemia Mononuclear	
* Stomach, Glandular		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 9-8+13]		Necrosis	Moderate
[Necrosis TGLS = 9-8+13]			
* Thymus		Leukemia Mononuclear	
* Thyroid Gland	C Cell	Hyperplasia	Mild
* Urinary Bladder		Leukemia Mononuclear	
* Uterus		Leukemia Mononuclear	

PRIMARY CAUSE OF DEATH - Spleen Leukemia Mononuclear

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05135-07

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Isoprene

CAS Number: 78-79-5

Date Report Requested: 10/22/2014

Time Report Requested: 18:27:46

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 532

TRT#: 6

SEX: Female

DAY ON TEST: 734

DOSE: 700 PPM

DISP: Terminal Sacrifice

HISTO: 33477

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Bone Marrow	* Brain
* Esophagus	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Larynx	* Lymph Node, Bronchial	* Lymph Node, Mandibular	* Lymph Node, Mediastinal
* Lymph Node, Mesenteric	* Nose	* Pancreas	* Parathyroid Gland
* Salivary Glands	* Skin	* Spleen	* Stomach, Forestomach
* Stomach, Glandular	* Trachea	* Urinary Bladder	* Uterus

MISSING

* Thymus

OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Mild
* Clitoral Gland		Hyperplasia	Mild
* Heart		Cardiomyopathy	Mild
* Kidney		Infarct	Mild
		Nephropathy	Mild
* Liver		Basophilic Focus	
* Lung	Alveolar Epith	Hyperplasia	Minimal
		Inflammation	Chronic Active, Minimal
* Mammary Gland		Fibroadenoma	
	[Fibroadenoma TGLS = 3-11]		
* Ovary		Cyst	Mild
	[Cyst TGLS = 2-7]		
* Pituitary Gland	Pars Distalis	Adenoma	
* Thyroid Gland	C Cell	Hyperplasia	Mild
Zymbal's Gland		Carcinoma	
	[Carcinoma TGLS = 1-12+13+14]		

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05135-07

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Isoprene

CAS Number: 78-79-5

Date Report Requested: 10/22/2014

Time Report Requested: 18:27:46

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 533

TRT#: 6

SEX: Female

DAY ON TEST: 736

DOSE: 700 PPM

DISP: Terminal Sacrifice

HISTO: 33478

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Bone Marrow	* Brain
* Clitoral Gland	* Esophagus	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Larynx	* Lung	* Lymph Node, Mediastinal
* Lymph Node, Mesenteric	* Nose	* Ovary	* Pancreas
* Parathyroid Gland	* Salivary Glands	* Skin	* Stomach, Forestomach
* Stomach, Glandular	* Thymus	* Trachea	* Urinary Bladder
* Uterus			

MISSING

* Lymph Node, Bronchial	* Lymph Node, Mandibular
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OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Moderate
* Heart		Cardiomyopathy	Mild
* Kidney		Nephropathy	Mild
[Nephropathy TGLS = 3-5]			
* Liver		Basophilic Focus	
	Periportal	Hepatodiaphragmatic Nodule	
		Infiltration Cellular	Lymphocyte, Moderate
[Basophilic Focus TGLS = 3-5]			
[Hepatodiaphragmatic Nodule TGLS = 4-11]			
* Mammary Gland		Fibroadenoma	Multiple
Note: Additional fibroadenoma was in slide 7.			
[Fibroadenoma TGLS = 5-13]			
* Pituitary Gland	Pars Distalis	Adenoma	
* Spleen		Fibrosis	Moderate
Note: "Enlarged, 4.5 x 1.3 cm" spleen, noted at necropsy, was within normal limits microscopically (except for the focal fibrosis).			
[Fibrosis TGLS = 2-12]			
* Thyroid Gland	C Cell	Hyperplasia	Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05135-07

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Isoprene

CAS Number: 78-79-5

Date Report Requested: 10/22/2014

Time Report Requested: 18:27:46

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 534

TRT#: 6

SEX: Female

DAY ON TEST: 735

DOSE: 700 PPM

DISP: Terminal Sacrifice

HISTO: 33479

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Bone	* Bone Marrow	* Brain	* Clitoral Gland
* Esophagus	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Larynx
* Lymph Node, Mandibular	* Lymph Node, Mediastinal	* Lymph Node, Mesenteric	* Mammary Gland
* Nose	* Ovary	* Pancreas	* Parathyroid Gland
* Salivary Glands	* Skin	* Stomach, Forestomach	* Stomach, Glandular
* Trachea	* Urinary Bladder	* Uterus	

MISSING

* Lymph Node, Bronchial	* Thymus
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OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Mild
* Adrenal Medulla		Pheochromocytoma Benign	
* Heart		Cardiomyopathy	Mild
* Intestine Small, Ileum		Inflammation	Chronic Active, Moderate
* Kidney		Nephropathy	Mild
* Liver		Basophilic Focus	
		Clear Cell Focus	
		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 2-4]			
* Lung		Inflammation	Chronic Active, Minimal
		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 2-4]			
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 1-8]			
* Spleen		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 1-8]			
* Thyroid Gland	C Cell	Hyperplasia	Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05135-07

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Isoprene

CAS Number: 78-79-5

Date Report Requested: 10/22/2014

Time Report Requested: 18:27:46

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 535

TRT#: 6

SEX: Female

DAY ON TEST: 735

DOSE: 700 PPM

DISP: Terminal Sacrifice

HISTO: 33480

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone Marrow	* Brain
* Esophagus	* Heart	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Larynx	* Lymph Node, Mandibular	* Lymph Node, Mediastinal	* Lymph Node, Mesenteric
* Mammary Gland	* Nose	* Ovary	* Parathyroid Gland
* Salivary Glands	* Skin	* Spleen	* Stomach, Forestomach
* Stomach, Glandular	* Trachea		

MISSING

* Lymph Node, Bronchial	* Thymus
-------------------------	----------

INSUFFICIENT TISSUE

* Intestine Large, Rectum

OBSERVATIONS

* Bone		Hyperostosis	Mild
* Clitoral Gland		Hyperplasia	Mild
* Kidney		Nephropathy	Mild
* Liver		Clear Cell Focus	
* Lung		Inflammation	Chronic Active, Minimal
* Pancreas		Atrophy	Mild
* Pituitary Gland	Pars Distalis	Hyperplasia	Mild
[Hyperplasia TGLS = 1-8]			
* Thyroid Gland	C Cell	Hyperplasia	Minimal
* Urinary Bladder	Transit Epithe	Hyperplasia	Moderate
* Uterus		Polyp Stromal	
[Polyp Stromal TGLS = 2-11]			

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05135-07

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Isoprene

CAS Number: 78-79-5

Date Report Requested: 10/22/2014

Time Report Requested: 18:27:46

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 536

TRT#: 6

SEX: Female

DAY ON TEST: 734

DOSE: 700 PPM

DISP: Terminal Sacrifice

HISTO: 33481

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone Marrow	* Brain	* Clitoral Gland
* Esophagus	* Heart	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Larynx	* Lymph Node, Mandibular	* Lymph Node, Mesenteric
* Salivary Glands	* Skin	* Spleen	* Stomach, Forestomach
* Stomach, Glandular	* Trachea	* Urinary Bladder	* Uterus

MISSING

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

* Adrenal Cortex		Adenoma	
		Hyperplasia	Mild
* Bone		Hyperostosis	Moderate
* Kidney		Nephropathy	Moderate
* Liver		Basophilic Focus	
		Clear Cell Focus	
* Lung	Alveolar Epith	Hyperplasia	Mild
		Inflammation	Chronic Active, Minimal
* Mammary Gland		Fibroadenoma	
[Fibroadenoma TGLS = 4-12]			
* Nose		Inflammation	Suppurative, Minimal
	Respirat Epith	Metaplasia	Squamous, Minimal
* Ovary		Cyst	Moderate
* Pancreas		Basophilic Focus	
* Parathyroid Gland		Hyperplasia	Mild
* Pituitary Gland	Pars Distalis	Hyperplasia	Moderate
[Hyperplasia TGLS = 1-8]			
* Thyroid Gland	C Cell	Adenoma	
	C Cell	Hyperplasia	Mild
Tongue		Squamous Cell Papilloma	
[Squamous Cell Papilloma TGLS = 5-11]			

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05135-07

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Isoprene

CAS Number: 78-79-5

Date Report Requested: 10/22/2014

Time Report Requested: 18:27:46

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 536

TRT#: 6

SEX: Female

DAY ON TEST: 734

DOSE: 700 PPM

DISP: Terminal Sacrifice

HISTO: 33481

ORGAN AND ACCOUNTABLE SITE STATUS

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05135-07

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Isoprene

CAS Number: 78-79-5

Date Report Requested: 10/22/2014

Time Report Requested: 18:27:46

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 537

TRT#: 6

SEX: Female

DAY ON TEST: 539

DOSE: 700 PPM

DISP: Moribund Sacrifice

HISTO: 33482

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Brain	* Clitoral Gland	* Esophagus	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Larynx	* Lymph Node, Mandibular
* Lymph Node, Mediastinal	* Lymph Node, Mesenteric	* Nose	* Ovary
* Pancreas	* Parathyroid Gland	* Salivary Glands	* Skin
* Spleen	* Stomach, Forestomach	* Stomach, Glandular	* Trachea
* Urinary Bladder	* Uterus		

MISSING

* Lymph Node, Bronchial	* Thymus
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OBSERVATIONS

* Heart		Cardiomyopathy	Mild
* Kidney		Nephropathy	Minimal
* Liver		Basophilic Focus	
		Mixed Cell Focus	
	[Mixed Cell Focus TGLS = 4-4]		
* Lung		Inflammation	Chronic Active, Minimal
* Mammary Gland		Fibroadenoma	Multiple
	[Fibroadenoma TGLS = 1,2-11+12+13+14]		
* Pituitary Gland	Pars Distalis	Hyperplasia	Moderate
	[Hyperplasia TGLS = 3-8]		
* Thyroid Gland	C Cell	Hyperplasia	Minimal

PRIMARY CAUSE OF DEATH - Mammary Gland Fibroadenoma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05135-07

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Isoprene

CAS Number: 78-79-5

Date Report Requested: 10/22/2014

Time Report Requested: 18:27:46

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 538

TRT#: 6

SEX: Female

DAY ON TEST: 723

DOSE: 700 PPM

DISP: Moribund Sacrifice

HISTO: 33483

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Bone	* Brain	* Clitoral Gland	* Esophagus
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Larynx
* Lymph Node, Bronchial	* Lymph Node, Mediastinal	* Lymph Node, Mesenteric	* Ovary
* Parathyroid Gland	* Salivary Glands	* Skin	* Stomach, Glandular
* Thymus	* Trachea	* Urinary Bladder	* Uterus

OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Mild
		Leukemia Mononuclear	
* Adrenal Medulla		Hyperplasia	Mild
		Leukemia Mononuclear	
* Bone Marrow		Leukemia Mononuclear	
* Heart		Leukemia Mononuclear	
* Kidney		Leukemia Mononuclear	
		Nephropathy	Minimal
* Liver		Basophilic Focus	
		Fatty Change	Mild
	Bile Duct	Hyperplasia	Mild
		Leukemia Mononuclear	
	Centrilobular	Necrosis	Minimal
	[Leukemia Mononuclear TGLS = 7-4]		
* Lung		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLS = 2,3-3A+3]		
* Lymph Node, Mandibular		Leukemia Mononuclear	
* Mammary Gland		Fibroadenoma	
	[Fibroadenoma TGLS = 1-12]		
* Nose	Olfactory Epi	Atrophy	Minimal
		Thrombosis	Moderate
* Pancreas		Atrophy	Mild
* Pituitary Gland	Pars Distalis	Adenoma	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05135-07
Test Type: CHRONIC
Species/Strain: Rat/F 344/N

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

Date Report Requested: 10/22/2014
Time Report Requested: 18:27:46
First Dose M/F: NA / NA
Lab: BNW

ANIMAL ID: 538	TRT#: 6 DOSE: 700 PPM	SEX: Female DISP: Moribund Sacrifice	DAY ON TEST: 723 HISTO: 33483
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ORGAN AND ACCOUNTABLE SITE STATUS

[Adenoma TGLS = 4-8]		Leukemia Mononuclear	
* Spleen		Hemorrhage	Mild
		Leukemia Mononuclear	
[Hemorrhage TGLS = 6-11]			
[Leukemia Mononuclear TGLS = 5-11]			
* Stomach, Forestomach		Necrosis	Moderate
[Necrosis TGLS = 8-8]			
* Thyroid Gland	C Cell	Hyperplasia	Minimal

PRIMARY CAUSE OF DEATH	- Spleen	Leukemia Mononuclear	
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* PROTOCOL REQUIRED TISSUE

Experiment Number: 05135-07

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Isoprene

CAS Number: 78-79-5

Date Report Requested: 10/22/2014

Time Report Requested: 18:27:46

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 539

TRT#: 6

SEX: Female

DAY ON TEST: 611

DOSE: 700 PPM

DISP: Moribund Sacrifice

HISTO: 33484

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Brain	* Clitoral Gland	* Esophagus	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Larynx	* Lymph Node, Bronchial
* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Mammary Gland	* Ovary
* Pancreas	* Parathyroid Gland	* Salivary Glands	* Skin
* Spleen	* Stomach, Glandular	* Thymus	* Trachea
* Urinary Bladder	* Uterus		

MISSING

* Lymph Node, Mediastinal

OBSERVATIONS

* Heart		Cardiomyopathy	Minimal
* Kidney		Nephropathy	Moderate
* Liver		Fatty Change	Moderate
[Fatty Change TGLS = 3-4]			
* Lung		Inflammation	Chronic Active, Minimal
* Nose		Inflammation	Suppurative, Minimal
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 2-8]			
* Stomach, Forestomach		Necrosis	Moderate
[Necrosis TGLS = 4-8]			
* Thyroid Gland	C Cell	Hyperplasia	Mild

PRIMARY CAUSE OF DEATH

- Pituitary Gland Pars Distalis Adenoma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05135-07

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Isoprene

CAS Number: 78-79-5

Date Report Requested: 10/22/2014

Time Report Requested: 18:27:46

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 540

TRT#: 6

SEX: Female

DAY ON TEST: 638

DOSE: 700 PPM

DISP: Moribund Sacrifice

HISTO: 33485

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- | | | | |
|----------------------------|---------------------------|-----------------------------|--------------------------|
| * Bone | * Brain | * Esophagus | * Intestine Large, Cecum |
| * Intestine Large, Colon | * Intestine Large, Rectum | * Intestine Small, Duodenum | * Intestine Small, Ileum |
| * Intestine Small, Jejunum | * Islets, Pancreatic | * Larynx | * Skin |
| * Trachea | | | |

MISSING

- * Clitoral Gland

OBSERVATIONS

- | | | | |
|--|---------------|--|------------------|
| * Adrenal Cortex | | Hypertrophy
Leukemia Mononuclear | Mild |
| [Leukemia Mononuclear TGLS = 1-7] | | | |
| * Adrenal Medulla | | Hyperplasia
Leukemia Mononuclear
Pheochromocytoma Benign
Leukemia Mononuclear | Mild |
| * Bone Marrow | | | |
| [Leukemia Mononuclear TGLS = 4-8] | | | |
| * Heart | | Leukemia Mononuclear | |
| [Leukemia Mononuclear TGLS = 4-8] | | | |
| * Kidney | | Leukemia Mononuclear
Nephropathy | Minimal |
| [Leukemia Mononuclear TGLS = 4-8] | | | |
| * Liver | | Basophilic Focus
Fatty Change
Hyperplasia
Leukemia Mononuclear | Moderate
Mild |
| | Bile Duct | | |
| [Basophilic Focus TGLS = 11-4] | | | |
| [Leukemia Mononuclear TGLS = 11-4] | | | |
| * Lung | | Leukemia Mononuclear | |
| [Leukemia Mononuclear TGLS = 5-3+3A] | | | |
| Lymph Node | Deep Cervical | Leukemia Mononuclear
Leukemia Mononuclear | |

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05135-07

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Isoprene

CAS Number: 78-79-5

Date Report Requested: 10/22/2014

Time Report Requested: 18:27:46

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 540

TRT#: 6

DOSE: 700 PPM

SEX: Female

DISP: Moribund Sacrifice

DAY ON TEST: 638

HISTO: 33485

ORGAN AND ACCOUNTABLE SITE STATUS

Note: Lymph nodes with no sites listed were axillary nodes.

[Leukemia Mononuclear TGLS = 2,3-13+14]

[Leukemia Mononuclear TGLS = 10-15]

* Lymph Node, Bronchial

Leukemia Mononuclear

[Leukemia Mononuclear TGLS = 1-7]

* Lymph Node, Mandibular

Leukemia Mononuclear

[Leukemia Mononuclear TGLS = 1-7]

* Lymph Node, Mediastinal

Leukemia Mononuclear

[Leukemia Mononuclear TGLS = 4-2]

* Lymph Node, Mesenteric

Leukemia Mononuclear

* Mammary Gland

Leukemia Mononuclear

[Leukemia Mononuclear TGLS = 10-15]

* Nose

Inflammation

Suppurative, Mild

Olfactory Epi

Metaplasia

Mild

* Ovary

Leukemia Mononuclear

[Leukemia Mononuclear TGLS = 10-15]

* Pancreas

Leukemia Mononuclear

[Leukemia Mononuclear TGLS = 9-11]

* Parathyroid Gland

Leukemia Mononuclear

[Leukemia Mononuclear TGLS = 9-11]

* Pituitary Gland

Pars Distalis

Adenoma

Leukemia Mononuclear

[Adenoma TGLS = 6-8]

[Leukemia Mononuclear TGLS = 9-11]

* Salivary Glands

Leukemia Mononuclear

[Leukemia Mononuclear TGLS = 6-8]

* Spleen

Fibrosis

Minimal

Leukemia Mononuclear

[Fibrosis TGLS = 8-11]

[Leukemia Mononuclear TGLS = 7-11]

* Stomach, Forestomach

Leukemia Mononuclear

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05135-07

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Isoprene

CAS Number: 78-79-5

Date Report Requested: 10/22/2014

Time Report Requested: 18:27:46

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 540

TRT#: 6

SEX: Female

DAY ON TEST: 638

DOSE: 700 PPM

DISP: Moribund Sacrifice

HISTO: 33485

ORGAN AND ACCOUNTABLE SITE STATUS

[Necrosis TGLS = 12-12]		Necrosis	Moderate
* Stomach, Glandular		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 12-12]			
* Thymus		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 8-11]			
* Thyroid Gland	C Cell	Hyperplasia	Minimal
		Leukemia Mononuclear	
* Urinary Bladder		Leukemia Mononuclear	
* Uterus		Leukemia Mononuclear	

PRIMARY CAUSE OF DEATH - Spleen Leukemia Mononuclear

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05135-07

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Isoprene

CAS Number: 78-79-5

Date Report Requested: 10/22/2014

Time Report Requested: 18:27:46

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 541

TRT#: 6

SEX: Female

DAY ON TEST: 735

DOSE: 700 PPM

DISP: Terminal Sacrifice

HISTO: 33486

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Bone Marrow	* Brain	* Clitoral Gland	* Esophagus
* Heart	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Larynx	* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Ovary
* Pancreas	* Parathyroid Gland	* Salivary Glands	* Skin
* Spleen	* Stomach, Forestomach	* Stomach, Glandular	* Thymus
* Trachea	* Urinary Bladder	* Uterus	

MISSING

* Lymph Node, Bronchial	* Lymph Node, Mediastinal
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OBSERVATIONS

* Adrenal Cortex		Hypertrophy	Mild
* Adrenal Medulla		Hyperplasia	Mild
* Bone		Hyperostosis	Mild
* Kidney		Nephropathy	Mild
* Liver		Basophilic Focus	
* Lung		Inflammation	Chronic Active, Minimal
* Mammary Gland		Fibroadenoma	Multiple
[Fibroadenoma TGLS = 1,2,3,6-12+14+15+7+13]			
Mesentery	Fat	Necrosis	Mild
[Necrosis TGLS = 4-11]			
* Nose		Inflammation	Suppurative, Minimal
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 5-8]			
* Thyroid Gland	C Cell	Hyperplasia	Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05135-07

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Isoprene

CAS Number: 78-79-5

Date Report Requested: 10/22/2014

Time Report Requested: 18:27:46

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 542

TRT#: 6

SEX: Female

DAY ON TEST: 736

DOSE: 700 PPM

DISP: Terminal Sacrifice

HISTO: 33487

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Bone	* Bone Marrow	* Brain	* Esophagus
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Larynx
* Lymph Node, Bronchial	* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Nose
* Ovary	* Pancreas	* Parathyroid Gland	* Salivary Glands
* Skin	* Spleen	* Stomach, Forestomach	* Stomach, Glandular
* Thymus	* Trachea	* Urinary Bladder	* Uterus

MISSING

* Clitoral Gland	* Lymph Node, Mediastinal
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OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Mild
* Adrenal Medulla		Hyperplasia	Mild
* Heart		Cardiomyopathy	Mild
* Kidney		Nephropathy	Minimal
* Liver		Basophilic Focus	
		Clear Cell Focus	
		Mixed Cell Focus	
[Basophilic Focus TGLS = 2-11]			
[Mixed Cell Focus TGLS = 3-4]			
* Lung	Alveolar Epith	Hyperplasia	Minimal
* Mammary Gland		Fibroadenoma	
[Fibroadenoma TGLS = 1-12]			
* Pituitary Gland	Pars Distalis	Adenoma	
* Thyroid Gland	C Cell	Hyperplasia	Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05135-07

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Isoprene

CAS Number: 78-79-5

Date Report Requested: 10/22/2014

Time Report Requested: 18:27:46

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 543

TRT#: 6

SEX: Female

DAY ON TEST: 710

DOSE: 700 PPM

DISP: Moribund Sacrifice

HISTO: 33488

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- | | | | |
|---------------------------|----------------------------|---------------------------|-----------------------------|
| * Bone | * Brain | * Clitoral Gland | * Esophagus |
| * Intestine Large, Cecum | * Intestine Large, Colon | * Intestine Large, Rectum | * Intestine Small, Duodenum |
| * Intestine Small, Ileum | * Intestine Small, Jejunum | * Islets, Pancreatic | * Larynx |
| * Lymph Node, Mediastinal | * Lymph Node, Mesenteric | * Ovary | * Pancreas |
| * Parathyroid Gland | * Salivary Glands | * Skin | * Stomach, Forestomach |
| * Trachea | * Urinary Bladder | * Uterus | |

MISSING

- * Lymph Node, Bronchial

OBSERVATIONS

- | | | | |
|--|--------------------------------------|----------------------|-------------------------|
| * Adrenal Cortex | | Leukemia Mononuclear | |
| * Adrenal Medulla | | Leukemia Mononuclear | |
| * Bone Marrow | | Leukemia Mononuclear | |
| * Heart | | Leukemia Mononuclear | |
| Note: "Focus, 2mm dia, pale", noted at necropsy, was not apparent microscopically. | | | |
| * Kidney | | Leukemia Mononuclear | |
| | | Nephropathy | Mild |
| * Liver | | Fatty Change | Mild |
| | | Leukemia Mononuclear | |
| | Centrilobular | Necrosis | Minimal |
| | [Leukemia Mononuclear TGLS = 4-4] | | |
| * Lung | | Inflammation | Chronic Active, Minimal |
| | | Leukemia Mononuclear | |
| * Lymph Node, Mandibular | | Leukemia Mononuclear | |
| * Mammary Gland | | Fibroadenoma | |
| | [Fibroadenoma TGLS = 7-11] | | |
| * Nose | | Thrombosis | Moderate |
| * Pituitary Gland | Pars Distalis | Adenoma | |
| | | Leukemia Mononuclear | |
| | [Adenoma TGLS = 5-8] | | |
| | [Leukemia Mononuclear TGLS = 7-11] | | |

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05135-07

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Isoprene

CAS Number: 78-79-5

Date Report Requested: 10/22/2014

Time Report Requested: 18:27:46

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 543

TRT#: 6

SEX: Female

DAY ON TEST: 710

DOSE: 700 PPM

DISP: Moribund Sacrifice

HISTO: 33488

ORGAN AND ACCOUNTABLE SITE STATUS

* Spleen		Fibrosis	Mild
		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 3-4]			
* Stomach, Glandular		Necrosis	Mild
[Necrosis TGLS = 6-8]			
* Thymus		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 3-4]			
* Thyroid Gland	C Cell	Hyperplasia	Mild

PRIMARY CAUSE OF DEATH - Thymus Leukemia Mononuclear

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05135-07

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Isoprene

CAS Number: 78-79-5

Date Report Requested: 10/22/2014

Time Report Requested: 18:27:46

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 544

TRT#: 6

SEX: Female

DAY ON TEST: 736

DOSE: 700 PPM

DISP: Terminal Sacrifice

HISTO: 33489

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Bone	* Bone Marrow	* Brain	* Clitoral Gland
* Esophagus	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Larynx	* Lymph Node, Bronchial	* Lymph Node, Mandibular	* Lymph Node, Mediastinal
* Lymph Node, Mesenteric	* Nose	* Ovary	* Salivary Glands
* Skin	* Spleen	* Stomach, Forestomach	* Stomach, Glandular
* Thymus	* Trachea	* Urinary Bladder	* Uterus

MISSING

* Parathyroid Gland

OBSERVATIONS

* Adrenal Cortex		Hypertrophy	Mild
* Adrenal Medulla		Hyperplasia	Minimal
* Heart		Cardiomyopathy	Minimal
* Kidney		Nephropathy	Marked
[Nephropathy TGLS = 3-5]			
* Liver		Clear Cell Focus	
[Clear Cell Focus TGLS = 3-5]		Fatty Change	Minimal
* Lung	Alveolar Epith	Hyperplasia	Minimal
		Inflammation	Chronic Active, Minimal
* Mammary Gland		Fibroadenoma	
[Fibroadenoma TGLS = 1-11]			
* Pancreas		Atrophy	Moderate
		Basophilic Focus	
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 2-8]			
* Thyroid Gland	C Cell	Hyperplasia	Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05135-07

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Isoprene

CAS Number: 78-79-5

Date Report Requested: 10/22/2014

Time Report Requested: 18:27:46

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 545

TRT#: 6

SEX: Female

DAY ON TEST: 604

DOSE: 700 PPM

DISP: Natural Death

HISTO: 33490

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex
* Brain
* Intestine Large, Colon
* Larynx
* Lymph Node, Mesenteric
* Pancreas
* Spleen
* Thyroid Gland

* Adrenal Medulla
* Clitoral Gland
* Intestine Large, Rectum
* Lung
* Mammary Gland
* Parathyroid Gland
* Stomach, Forestomach
* Trachea

* Bone
* Esophagus
* Intestine Small, Duodenum
* Lymph Node, Mandibular
* Nose
* Salivary Glands
* Stomach, Glandular
* Urinary Bladder

* Bone Marrow
* Intestine Large, Cecum
* Islets, Pancreatic
* Lymph Node, Mediastinal
* Ovary
* Skin
* Thymus
* Uterus

MISSING

* Lymph Node, Bronchial

AUTO PRECLUDES DIAG.

* Intestine Small, Ileum

* Intestine Small, Jejunum

OBSERVATIONS

* Heart
* Kidney
* Liver

Cardiomyopathy
Nephropathy
Angiectasis
Mixed Cell Focus

Mild
Mild
Mild

[Angiectasis TGLS = 2-4]

* Pituitary Gland

Pars Distalis

Adenoma

[Adenoma TGLS = 3-8]

PRIMARY CAUSE OF DEATH

- Pituitary Gland Pars Distalis Adenoma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05135-07

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Isoprene

CAS Number: 78-79-5

Date Report Requested: 10/22/2014

Time Report Requested: 18:27:46

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 546

TRT#: 6

SEX: Female

DAY ON TEST: 735

DOSE: 700 PPM

DISP: Terminal Sacrifice

HISTO: 33491

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone Marrow	* Brain
* Clitoral Gland	* Esophagus	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Larynx	* Lymph Node, Mandibular	* Lymph Node, Mesenteric
* Nose	* Ovary	* Pancreas	* Parathyroid Gland
* Salivary Glands	* Skin	* Spleen	* Stomach, Forestomach
* Stomach, Glandular	* Thymus	* Thyroid Gland	* Trachea
* Urinary Bladder			

MISSING

* Lymph Node, Bronchial	* Lymph Node, Mediastinal
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OBSERVATIONS

* Bone		Hyperostosis	Mild
* Heart		Cardiomyopathy	Minimal
* Kidney		Nephropathy	Mild
* Liver		Basophilic Focus	
* Lung		Inflammation	Chronic Active, Minimal
* Mammary Gland		Fibroadenoma	Multiple
[Fibroadenoma TGLS = 1,3-12+13]			
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 4-8]			
* Uterus		Polyp Stromal	
[Polyp Stromal TGLS = 2-11]			

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05135-07

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Isoprene

CAS Number: 78-79-5

Date Report Requested: 10/22/2014

Time Report Requested: 18:27:46

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 547

TRT#: 6

SEX: Female

DAY ON TEST: 708

DOSE: 700 PPM

DISP: Moribund Sacrifice

HISTO: 33492

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Brain	* Esophagus	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Larynx	* Lymph Node, Bronchial	* Lymph Node, Mesenteric
* Mammary Gland	* Nose	* Ovary	* Pancreas
* Parathyroid Gland	* Salivary Glands	* Skin	* Thymus
* Trachea	* Uterus		

OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Mild
		Leukemia Mononuclear	
* Adrenal Medulla		Leukemia Mononuclear	
* Bone		Hyperostosis	Marked
* Bone Marrow		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 2-11]			
* Clitoral Gland		Adenoma	
[Adenoma TGLS = 3-7+13]			
* Heart		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 3-7+13]			
* Kidney		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 3-7+13]		Nephropathy	Mild
* Liver		Basophilic Focus	
		Fatty Change	Minimal
	Bile Duct	Hyperplasia	Mild
		Leukemia Mononuclear	
	Centrilobular	Necrosis	Minimal
[Leukemia Mononuclear TGLS = 4-4]			
* Lung		Leukemia Mononuclear	
* Lymph Node, Mandibular		Leukemia Mononuclear	
* Lymph Node, Mediastinal		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 7-14]			

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05135-07

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Isoprene

CAS Number: 78-79-5

Date Report Requested: 10/22/2014

Time Report Requested: 18:27:46

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 547

TRT#: 6

SEX: Female

DAY ON TEST: 708

DOSE: 700 PPM

DISP: Moribund Sacrifice

HISTO: 33492

ORGAN AND ACCOUNTABLE SITE STATUS

Mesentery [Necrosis TGLS = 5-11]	Fat	Necrosis	Mild
* Pituitary Gland [Leukemia Mononuclear TGLS = 5-11]		Leukemia Mononuclear	
* Spleen [Fibrosis TGLS = 6-12] [Leukemia Mononuclear TGLS = 1-12]		Fibrosis Leukemia Mononuclear	Mild
* Stomach, Forestomach		Necrosis	Minimal
* Stomach, Glandular [Necrosis TGLS = 7-14]		Necrosis	Minimal
* Thyroid Gland	C Cell	Hyperplasia	Minimal
* Urinary Bladder		Leukemia Mononuclear	
PRIMARY CAUSE OF DEATH	- Spleen	Leukemia Mononuclear	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05135-07

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Isoprene

CAS Number: 78-79-5

Date Report Requested: 10/22/2014

Time Report Requested: 18:27:46

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 548

TRT#: 6

SEX: Female

DAY ON TEST: 672

DOSE: 700 PPM

DISP: Moribund Sacrifice

HISTO: 33493

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Bone Marrow	* Brain
* Clitoral Gland	* Esophagus	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Larynx	* Lymph Node, Bronchial	* Lymph Node, Mandibular
* Lymph Node, Mediastinal	* Lymph Node, Mesenteric	* Ovary	* Pancreas
* Parathyroid Gland	* Salivary Glands	* Skin	* Spleen
* Stomach, Forestomach	* Stomach, Glandular	* Thymus	* Trachea
* Urinary Bladder	* Uterus		

OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Minimal
* Heart		Cardiomyopathy	Moderate
* Kidney		Nephropathy	Moderate
[Nephropathy TGLS = 4-5]			
* Liver		Fatty Change	Minimal
* Lung	Alveolar Epith	Hyperplasia	Minimal
		Inflammation	Chronic Active, Minimal
* Mammary Gland		Fibroadenoma	Multiple
[Fibroadenoma TGLS = 2,3-11+12]			
Mesentery	Fat	Necrosis	Mild
[Necrosis TGLS = 5-13]			
* Nose	Olfactory Epi	Atrophy	Mild
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 1-8]			
* Thyroid Gland	C Cell	Hyperplasia	Minimal

PRIMARY CAUSE OF DEATH

- Pituitary Gland Pars Distalis Adenoma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05135-07

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Isoprene

CAS Number: 78-79-5

Date Report Requested: 10/22/2014

Time Report Requested: 18:27:46

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 549

TRT#: 6

DOSE: 700 PPM

SEX: Female

DISP: Terminal Sacrifice

DAY ON TEST: 736

HISTO: 33494

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Bone Marrow	* Brain
* Clitoral Gland	* Esophagus	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Larynx	* Lymph Node, Bronchial	* Lymph Node, Mandibular
* Lymph Node, Mediastinal	* Lymph Node, Mesenteric	* Nose	* Ovary
* Parathyroid Gland	* Pituitary Gland	* Salivary Glands	* Stomach, Forestomach
* Stomach, Glandular	* Thymus	* Trachea	* Urinary Bladder
* Uterus			

OBSERVATIONS

* Adrenal Cortex		Vacuolization Cytoplasmic	Mild
Eye	Retina	Atrophy	Marked
		Cataract	Moderate
	[Cataract TGLS = 3,4-15]		
* Heart		Cardiomyopathy	Minimal
* Kidney		Nephropathy	Mild
* Liver		Basophilic Focus	
		Hepatodiaphragmatic Nodule	
	Centrilobular	Leukemia Mononuclear	
	[Hepatodiaphragmatic Nodule TGLS = 7-11]	Necrosis	Minimal
	[Leukemia Mononuclear TGLS = 8-4]		
* Lung	Alveolar Epith	Hyperplasia	Mild
	[Hyperplasia TGLS = 9-3]		
* Mammary Gland		Fibroadenoma	
	[Fibroadenoma TGLS = 2-14]		
* Pancreas		Atrophy	Minimal
* Skin	Subcut Tiss	Fibroma	
	[Fibroma TGLS = 1-13]		
* Spleen		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLS = 5,6-12]		

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05135-07
Test Type: CHRONIC
Species/Strain: Rat/F 344/N

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

Date Report Requested: 10/22/2014
Time Report Requested: 18:27:46
First Dose M/F: NA / NA
Lab: BNW

ANIMAL ID: 549

TRT#: 6
DOSE: 700 PPM

SEX: Female
DISP: Terminal Sacrifice

DAY ON TEST: 736
HISTO: 33494

ORGAN AND ACCOUNTABLE SITE STATUS

* Thyroid Gland

Follicular Cel
C Cell

Adenoma
Hyperplasia

Minimal

[Adenoma TGLS = 10-2]

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05135-07

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Isoprene

CAS Number: 78-79-5

Date Report Requested: 10/22/2014

Time Report Requested: 18:27:46

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 550

TRT#: 6

SEX: Female

DAY ON TEST: 735

DOSE: 700 PPM

DISP: Terminal Sacrifice

HISTO: 33495

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Bone Marrow	* Brain
* Clitoral Gland	* Esophagus	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Larynx	* Lung	* Lymph Node, Bronchial
* Lymph Node, Mandibular	* Lymph Node, Mediastinal	* Lymph Node, Mesenteric	* Nose
* Ovary	* Pancreas	* Salivary Glands	* Skin
* Stomach, Forestomach	* Stomach, Glandular	* Trachea	* Urinary Bladder
* Uterus			

MISSING

* Parathyroid Gland	* Thymus
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OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Mild
* Heart		Cardiomyopathy	Minimal
* Kidney		Nephropathy	Mild
* Liver		Basophilic Focus	
		Leukemia Mononuclear	
* Mammary Gland		Fibroadenoma	Multiple
[Fibroadenoma TGLS = 2,3,4-13+14+12+11]			
Oral Mucosa	Pharyngeal	Hyperplasia	Squamous, Marked
[Hyperplasia TGLS = 7-10]			
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 1-8]			
* Spleen		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 1-8]			
* Thyroid Gland	C Cell	Hyperplasia	Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05135-07

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Isoprene

CAS Number: 78-79-5

Date Report Requested: 10/22/2014

Time Report Requested: 18:27:46

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 701

TRT#: 8

SEX: Female

DAY ON TEST: 714

DOSE: 7000 PPM

DISP: Moribund Sacrifice

HISTO: 33346

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Brain	* Clitoral Gland
* Esophagus	* Heart	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Larynx	* Lymph Node, Mediastinal	* Lymph Node, Mesenteric	* Ovary
* Pancreas	* Parathyroid Gland	* Salivary Glands	* Skin
* Stomach, Forestomach	* Thymus	* Trachea	* Urinary Bladder

MISSING

* Lymph Node, Bronchial	* Lymph Node, Mandibular
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OBSERVATIONS

* Adrenal Cortex		Vacuolization Cytoplasmic	Mild
* Bone Marrow		Histiocytic Sarcoma	
* Islets, Pancreatic		Carcinoma	
[Carcinoma TGLS = 3-4]			
* Kidney		Nephropathy	Mild
* Liver		Histiocytic Sarcoma	
[Histiocytic Sarcoma TGLS = 4-4]			
* Lung	Alveolar Epith	Hyperplasia	Minimal
* Mammary Gland		Fibroadenoma	Multiple
[Fibroadenoma TGLS = 1,2-11+12+13]			
* Nose	Olfactory Epi	Atrophy	Mild
* Pituitary Gland	Pars Distalis	Adenoma	
* Spleen		Hematopoietic Cell Proliferation	Moderate
* Stomach, Glandular		Necrosis	Mild
* Thyroid Gland	C Cell	Hyperplasia	Mild
* Uterus		Polyp Stromal	

PRIMARY CAUSE OF DEATH - Liver Histiocytic Sarcoma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05135-07

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Isoprene

CAS Number: 78-79-5

Date Report Requested: 10/22/2014

Time Report Requested: 18:27:46

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 702

TRT#: 8

SEX: Female

DAY ON TEST: 664

DOSE: 7000 PPM

DISP: Moribund Sacrifice

HISTO: 33347

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Brain	* Clitoral Gland	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Larynx	* Lymph Node, Mandibular	* Lymph Node, Mesenteric
* Ovary	* Pancreas	* Parathyroid Gland	* Salivary Glands
* Skin	* Spleen	* Stomach, Forestomach	* Stomach, Glandular
* Thymus	* Trachea	* Urinary Bladder	* Uterus

OBSERVATIONS

* Esophagus		Mesothelioma Malignant	
* Heart		Mesothelioma Malignant	
[Mesothelioma Malignant TGLS = 2-4]			
* Kidney		Nephropathy	Mild
* Liver		Degeneration	Cystic, Minimal
[Mixed Cell Focus TGLS = 4-4]		Mixed Cell Focus	
* Lung	Mediastinum	Mesothelioma Malignant	
[Mesothelioma Malignant TGLS = 3-3+3A]		Mesothelioma Malignant	
* Lymph Node, Bronchial		Mesothelioma Malignant	
* Lymph Node, Mediastinal		Mesothelioma Malignant	
* Mammary Gland		Fibroadenoma	
[Fibroadenoma TGLS = 6-11]			
* Nose		Inflammation	Suppurative, Minimal
* Pituitary Gland	Pars Distalis	Hyperplasia	Moderate
Pleura		Mesothelioma Malignant	
[Mesothelioma Malignant TGLS = 5-12]			
* Thyroid Gland	C Cell	Hyperplasia	Minimal

PRIMARY CAUSE OF DEATH - Pleura Mesothelioma Malignant

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05135-07

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Isoprene

CAS Number: 78-79-5

Date Report Requested: 10/22/2014

Time Report Requested: 18:27:46

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 703

TRT#: 8

SEX: Female

DAY ON TEST: 736

DOSE: 7000 PPM

DISP: Terminal Sacrifice

HISTO: 33348

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Bone Marrow	* Brain
* Clitoral Gland	* Esophagus	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Larynx	* Lung	* Lymph Node, Bronchial
* Lymph Node, Mandibular	* Lymph Node, Mediastinal	* Lymph Node, Mesenteric	* Nose
* Pancreas	* Parathyroid Gland	* Salivary Glands	* Skin
* Spleen	* Stomach, Forestomach	* Stomach, Glandular	* Thymus
* Trachea	* Urinary Bladder	* Uterus	

OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Mild
* Heart		Cardiomyopathy	Minimal
* Kidney		Nephropathy	Mild
[Nephropathy TGLS = 4-5]			
* Liver		Basophilic Focus	
		Hepatocellular Carcinoma	
		Mixed Cell Focus	
[Basophilic Focus TGLS = 4-5]			
[Hepatocellular Carcinoma TGLS = 5-16]			
[Mixed Cell Focus TGLS = 7-16]			
* Mammary Gland		Fibroadenoma	Multiple
[Fibroadenoma TGLS = 1,2,3-12+13+14+11]			
Mesentery	Fat	Necrosis	Mild
[Necrosis TGLS = 6-15]			
* Ovary		Inflammation	Granulomatous, Mild
* Pituitary Gland	Pars Distalis	Hyperplasia	Mild
* Thyroid Gland	C Cell	Hyperplasia	Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05135-07

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Isoprene

CAS Number: 78-79-5

Date Report Requested: 10/22/2014

Time Report Requested: 18:27:46

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 704

TRT#: 8

SEX: Female

DAY ON TEST: 735

DOSE: 7000 PPM

DISP: Terminal Sacrifice

HISTO: 33349

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone Marrow	* Brain	* Esophagus
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Larynx
* Lymph Node, Mandibular	* Lymph Node, Mediastinal	* Lymph Node, Mesenteric	* Nose
* Salivary Glands	* Skin	* Spleen	* Stomach, Forestomach
* Stomach, Glandular	* Thymus	* Trachea	* Urinary Bladder
* Uterus			

MISSING

* Lymph Node, Bronchial	* Parathyroid Gland
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OBSERVATIONS

* Adrenal Cortex		Hypertrophy	Mild
* Bone		Hyperostosis	Marked
* Clitoral Gland		Adenoma	
[Adenoma TGLS = 2-13]			
Eye	Retina	Atrophy	Marked
		Cataract	Marked
[Cataract TGLS = 1-11]			
* Heart		Cardiomyopathy	Minimal
* Kidney		Nephropathy	Moderate
[Nephropathy TGLS = 4-5]			
* Liver		Basophilic Focus	
		Clear Cell Focus	
[Basophilic Focus TGLS = 4-5]			
[Clear Cell Focus TGLS = 4-5]			
* Lung		Inflammation	Chronic Active, Minimal
* Mammary Gland		Fibroadenoma	
[Fibroadenoma TGLS = 2-14]			
* Ovary		Granulosa Cell Tumor Malignant	
[Granulosa Cell Tumor Malignant TGLS = 3-12]			
* Pancreas		Basophilic Focus	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05135-07

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Isoprene

CAS Number: 78-79-5

Date Report Requested: 10/22/2014

Time Report Requested: 18:27:46

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 704

TRT#: 8

SEX: Female

DAY ON TEST: 735

DOSE: 7000 PPM

DISP: Terminal Sacrifice

HISTO: 33349

ORGAN AND ACCOUNTABLE SITE STATUS

[Basophilic Focus TGLS = 3-12]

* Pituitary Gland

Pars Distalis

Adenoma

* Thyroid Gland

C Cell

Hyperplasia

Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05135-07

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Isoprene

CAS Number: 78-79-5

Date Report Requested: 10/22/2014

Time Report Requested: 18:27:46

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 705

TRT#: 8

SEX: Female

DAY ON TEST: 432

DOSE: 7000 PPM

DISP: Moribund Sacrifice

HISTO: 33350

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Brain	* Clitoral Gland	* Esophagus	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Larynx	* Lymph Node, Bronchial
* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Nose	* Ovary
* Pancreas	* Parathyroid Gland	* Salivary Glands	* Skin
* Spleen	* Stomach, Forestomach	* Stomach, Glandular	* Thymus
* Thyroid Gland	* Trachea	* Urinary Bladder	* Uterus

MISSING

* Lymph Node, Mediastinal

OBSERVATIONS

* Heart		Cardiomyopathy	Minimal
* Kidney		Nephropathy	Minimal
* Liver		Mixed Cell Focus	
* Lung		Inflammation	Chronic Active, Minimal
* Mammary Gland		Carcinoma	
		Fibroadenoma	
[Carcinoma TGLS = 3-11+12]			
[Fibroadenoma TGLS = 4-13]			
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 5-8]			

PRIMARY CAUSE OF DEATH - Pituitary Gland Pars Distalis Adenoma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05135-07

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Isoprene

CAS Number: 78-79-5

Date Report Requested: 10/22/2014

Time Report Requested: 18:27:46

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 706

TRT#: 8

SEX: Female

DAY ON TEST: 736

DOSE: 7000 PPM

DISP: Terminal Sacrifice

HISTO: 33351

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Bone	* Bone Marrow	* Brain	* Clitoral Gland
* Esophagus	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Larynx	* Lymph Node, Mandibular	* Lymph Node, Mediastinal	* Lymph Node, Mesenteric
* Nose	* Ovary	* Pancreas	* Parathyroid Gland
* Salivary Glands	* Skin	* Stomach, Forestomach	* Stomach, Glandular
* Thymus	* Trachea	* Urinary Bladder	* Uterus

MISSING

* Lymph Node, Bronchial

OBSERVATIONS

* Adrenal Cortex		Hypertrophy	Minimal
* Adrenal Medulla		Leukemia Mononuclear	
* Heart		Cardiomyopathy	Mild
* Kidney		Nephropathy	Mild
* Liver		Basophilic Focus	
		Leukemia Mononuclear	
* Lung	Alveolar Epith	Hyperplasia	Minimal
* Mammary Gland		Fibroadenoma	Multiple
	[Fibroadenoma TGLS = 3,4,1-12+13+14]		
* Pituitary Gland	Pars Distalis	Adenoma	
	[Adenoma TGLS = 2-8]		
* Spleen		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLS = 5-11]		
* Thyroid Gland	C Cell	Hyperplasia	Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05135-07

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Isoprene

CAS Number: 78-79-5

Date Report Requested: 10/22/2014

Time Report Requested: 18:27:46

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 707

TRT#: 8

SEX: Female

DAY ON TEST: 415

DOSE: 7000 PPM

DISP: Moribund Sacrifice

HISTO: 33352

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Bone	* Clitoral Gland	* Esophagus	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Larynx	* Mammary Gland	* Ovary	* Pancreas
* Parathyroid Gland	* Salivary Glands	* Stomach, Forestomach	* Stomach, Glandular
* Thymus	* Thyroid Gland	* Trachea	* Uterus

OBSERVATIONS

* Adrenal Cortex		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 4-8]			
* Adrenal Medulla		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 4-8]			
* Bone Marrow		Leukemia Mononuclear	
* Brain		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 5-1]			
* Heart		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 5-1]			
* Intestine Large, Cecum		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 4-8]			
* Intestine Large, Colon		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 4-8]			
* Kidney		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 5-1]		Nephropathy	Minimal
* Liver		Fatty Change	Mild
[Leukemia Mononuclear TGLS = 3-4]		Leukemia Mononuclear	
* Lung		Leukemia Mononuclear	
Lymph Node	Pancreatic	Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 2-11]	Renal	Leukemia Mononuclear	
* Lymph Node, Bronchial		Leukemia Mononuclear	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05135-07

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Isoprene

CAS Number: 78-79-5

Date Report Requested: 10/22/2014

Time Report Requested: 18:27:46

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 707

TRT#: 8

SEX: Female

DAY ON TEST: 415

DOSE: 7000 PPM

DISP: Moribund Sacrifice

HISTO: 33352

ORGAN AND ACCOUNTABLE SITE STATUS

[Leukemia Mononuclear TGLS = 4-8]			
* Lymph Node, Mandibular		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 4-8]			
* Lymph Node, Mediastinal		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 4-8]			
* Lymph Node, Mesenteric		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 4-8]			
* Nose		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 4-8]			
* Pituitary Gland	Pars Distalis	Hyperplasia Leukemia Mononuclear	Moderate
[Leukemia Mononuclear TGLS = 2-11]			
* Skin		Inflammation	Chronic Active, Mild
[Inflammation TGLS = 6-12]			
* Spleen		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 1-4]			
* Urinary Bladder		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 4-8]			

PRIMARY CAUSE OF DEATH - Spleen Leukemia Mononuclear

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05135-07

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Isoprene

CAS Number: 78-79-5

Date Report Requested: 10/22/2014

Time Report Requested: 18:27:46

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 708

TRT#: 8

SEX: Female

DAY ON TEST: 734

DOSE: 7000 PPM

DISP: Terminal Sacrifice

HISTO: 33353

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Bone Marrow	* Brain
* Esophagus	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Larynx	* Lymph Node, Bronchial	* Lymph Node, Mandibular	* Lymph Node, Mediastinal
* Lymph Node, Mesenteric	* Ovary	* Parathyroid Gland	* Salivary Glands
* Skin	* Spleen	* Stomach, Forestomach	* Stomach, Glandular
* Thymus	* Trachea	* Urinary Bladder	* Uterus

MISSING

* Clitoral Gland

OBSERVATIONS

* Adrenal Cortex		Vacuolization Cytoplasmic	Mild
* Heart		Cardiomyopathy	Minimal
* Kidney		Nephropathy	Mild
* Liver		Basophilic Focus	
		Eosinophilic Focus	
[Basophilic Focus TGLS = 4-4]			
* Lung		Inflammation	Chronic Active, Mild
* Mammary Gland		Carcinoma	
		Fibroadenoma	Multiple
[Carcinoma TGLS = 1-12+13]			
[Fibroadenoma TGLS = 1,3-13+11]			
* Nose		Inflammation	Suppurative, Minimal
* Pancreas		Basophilic Focus	
[Basophilic Focus TGLS = 1-12+13]			
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 2-8]			
* Thyroid Gland	Follicular Cel	Carcinoma	
	C Cell	Hyperplasia	Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05135-07

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Isoprene

CAS Number: 78-79-5

Date Report Requested: 10/22/2014

Time Report Requested: 18:27:46

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 709

TRT#: 8

SEX: Female

DAY ON TEST: 621

DOSE: 7000 PPM

DISP: Moribund Sacrifice

HISTO: 33354

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone Marrow	* Brain
* Clitoral Gland	* Esophagus	* Heart	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Larynx	* Nose
* Pancreas	* Parathyroid Gland	* Pituitary Gland	* Salivary Glands
* Stomach, Forestomach	* Stomach, Glandular	* Thymus	* Thyroid Gland
* Trachea	* Urinary Bladder	* Uterus	

OBSERVATIONS

* Bone		Hyperostosis	Mild
* Kidney		Nephropathy	Minimal
* Liver		Basophilic Focus	
* Lung		Inflammation	Chronic Active, Minimal
* Lymph Node, Bronchial		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 2-12]			
* Lymph Node, Mandibular		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 2-12]			
* Lymph Node, Mediastinal		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 2-12]			
* Lymph Node, Mesenteric		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 2-12]			
* Mammary Gland		Fibroadenoma	
[Fibroadenoma TGLS = 1-11]			
Mesentery		Leukemia Mononuclear	
	Fat	Necrosis	Mild
[Leukemia Mononuclear TGLS = 1-11]			
[Necrosis TGLS = 3-13]			
* Ovary		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 3-13]			
* Skin		Inflammation	Chronic Active, Marked
[Inflammation TGLS = 2-12]			

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05135-07

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Isoprene

CAS Number: 78-79-5

Date Report Requested: 10/22/2014

Time Report Requested: 18:27:46

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 709

TRT#: 8

SEX: Female

DAY ON TEST: 621

DOSE: 7000 PPM

DISP: Moribund Sacrifice

HISTO: 33354

ORGAN AND ACCOUNTABLE SITE STATUS

* Spleen

Leukemia Mononuclear

[Leukemia Mononuclear TGLS = 2-12]

PRIMARY CAUSE OF DEATH

- Spleen Leukemia Mononuclear

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05135-07

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Isoprene

CAS Number: 78-79-5

Date Report Requested: 10/22/2014

Time Report Requested: 18:27:46

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 710

TRT#: 8

SEX: Female

DAY ON TEST: 664

DOSE: 7000 PPM

DISP: Moribund Sacrifice

HISTO: 33355

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Bone	* Bone Marrow	* Brain	* Clitoral Gland
* Esophagus	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Larynx	* Nose	* Ovary	* Parathyroid Gland
* Salivary Glands	* Skin	* Stomach, Forestomach	* Stomach, Glandular
* Thymus	* Thyroid Gland	* Trachea	* Urinary Bladder

OBSERVATIONS

* Adrenal Cortex		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 2-8]			
* Adrenal Medulla		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 2-8]			
* Heart		Cardiomyopathy	Minimal
* Kidney		Nephropathy	Minimal
* Liver		Basophilic Focus	
	Bile Duct	Hyperplasia	Minimal
		Leukemia Mononuclear	
* Lung	Alveolar Epith	Hyperplasia	Minimal
		Leukemia Mononuclear	
		Leukemia Mononuclear	
* Lymph Node, Bronchial			
[Leukemia Mononuclear TGLS = 2-8]			
* Lymph Node, Mandibular		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 2-8]			
* Lymph Node, Mediastinal		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 2-8]			
* Lymph Node, Mesenteric		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 2-8]			
* Mammary Gland		Fibroadenoma	
[Fibroadenoma TGLS = 1-11]			
* Pancreas		Atrophy	Mild
* Pituitary Gland	Pars Distalis	Adenoma	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05135-07

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Isoprene

CAS Number: 78-79-5

Date Report Requested: 10/22/2014

Time Report Requested: 18:27:46

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 710

TRT#: 8

SEX: Female

DAY ON TEST: 664

DOSE: 7000 PPM

DISP: Moribund Sacrifice

HISTO: 33355

ORGAN AND ACCOUNTABLE SITE STATUS

[Adenoma TGLS = 2-8]

* Spleen

Leukemia Mononuclear

[Leukemia Mononuclear TGLS = 2-8]

* Uterus

Polyp Stromal

[Polyp Stromal TGLS = 2-8]

PRIMARY CAUSE OF DEATH

- Pituitary Gland Pars Distalis Adenoma

CONTRIBUTORY CAUSE OF DEATH

- Adrenal Cortex Leukemia Mononuclear;Adrenal Medulla Leukemia Mononuclear;Lymph Node;Bronchial Leukemia Mononuclear;Lymph Node;Mandibular
Leukemia Mononuclear;Lymph Node;Mediastinal Leukemia Mononuclear;Lymph Node;Mesenteric Leukemia Mononuclear;Spleen Leukemia
Mononuclear;Uterus Polyp Stromal

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05135-07

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Isoprene

CAS Number: 78-79-5

Date Report Requested: 10/22/2014

Time Report Requested: 18:27:46

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 711

TRT#: 8

SEX: Female

DAY ON TEST: 625

DOSE: 7000 PPM

DISP: Moribund Sacrifice

HISTO: 33356

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Bone	* Bone Marrow	* Brain	* Clitoral Gland
* Esophagus	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Larynx	* Nose	* Parathyroid Gland	* Salivary Glands
* Skin	* Stomach, Forestomach	* Stomach, Glandular	* Thymus
* Trachea	* Urinary Bladder		

MISSING

* Lymph Node, Bronchial	* Lymph Node, Mediastinal
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OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Mild
		Hypertrophy	Mild
		Leukemia Mononuclear	
* Adrenal Medulla		Leukemia Mononuclear	
* Heart		Cardiomyopathy	Minimal
* Kidney		Leukemia Mononuclear	
* Liver		Angiectasis	Minimal
		Basophilic Focus	
		Eosinophilic Focus	
	Bile Duct	Hyperplasia	Mild
		Leukemia Mononuclear	
	[Eosinophilic Focus TGLS = 8-13]		
* Lung		Alveolar/Bronchiolar Adenoma	
		Leukemia Mononuclear	
	[Alveolar/Bronchiolar Adenoma TGLS = 7-11]		
	[Leukemia Mononuclear TGLS = 8-13]		
* Lymph Node, Mandibular		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLS = 6-8]		
* Lymph Node, Mesenteric		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLS = 6-8]		
* Mammary Gland		Fibroadenoma	Multiple

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05135-07

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Isoprene

CAS Number: 78-79-5

Date Report Requested: 10/22/2014

Time Report Requested: 18:27:46

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 711

TRT#: 8

SEX: Female

DAY ON TEST: 625

DOSE: 7000 PPM

DISP: Moribund Sacrifice

HISTO: 33356

ORGAN AND ACCOUNTABLE SITE STATUS

[Fibroadenoma TGLS = 1,2-16+17+14]			
Mesentery	Fat	Necrosis	Mild
[Necrosis TGLS = 4-15]			
* Ovary		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 4-15]			
* Pancreas		Atrophy	Mild
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 3-8]			
* Spleen		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 5-12]			
* Thyroid Gland	C Cell	Hyperplasia	Minimal
* Uterus		Polyp Stromal	
[Polyp Stromal TGLS = 6-8]			

PRIMARY CAUSE OF DEATH - Spleen Leukemia Mononuclear

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05135-07

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Isoprene

CAS Number: 78-79-5

Date Report Requested: 10/22/2014

Time Report Requested: 18:27:46

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 712

TRT#: 8

SEX: Female

DAY ON TEST: 735

DOSE: 7000 PPM

DISP: Terminal Sacrifice

HISTO: 33357

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Clitoral Gland
* Esophagus	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Larynx	* Lymph Node, Bronchial	* Ovary	* Salivary Glands
* Skin	* Stomach, Forestomach	* Stomach, Glandular	* Thymus
* Trachea	* Urinary Bladder		

MISSING

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

* Bone Marrow		Atrophy	Mild
* Brain		Glioma Malignant	
* Heart		Cardiomyopathy	Minimal
* Kidney		Nephropathy	Mild
* Liver		Basophilic Focus	
	Bile Duct	Hyperplasia	Minimal
		Leukemia Mononuclear	
* Lung		Inflammation	Chronic Active, Minimal
		Leukemia Mononuclear	
* Lymph Node, Mesenteric		Leukemia Mononuclear	
* Mammary Gland		Fibroadenoma	Multiple
[Fibroadenoma TGLS = 1,3-13+12]			
* Nose		Foreign Body	
		Inflammation	Suppurative, Mild
* Pancreas		Atrophy	Mild
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 2-8]			
* Spleen		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 2-8]			
* Thyroid Gland	C Cell	Hyperplasia	Minimal
* Uterus		Polyp Stromal	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05135-07

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Isoprene

CAS Number: 78-79-5

Date Report Requested: 10/22/2014

Time Report Requested: 18:27:46

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 712

TRT#: 8

SEX: Female

DAY ON TEST: 735

DOSE: 7000 PPM

DISP: Terminal Sacrifice

HISTO: 33357

ORGAN AND ACCOUNTABLE SITE STATUS

[Polyp Stromal TGLS = 4-11]

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05135-07

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Isoprene

CAS Number: 78-79-5

Date Report Requested: 10/22/2014

Time Report Requested: 18:27:46

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 713

TRT#: 8

SEX: Female

DAY ON TEST: 735

DOSE: 7000 PPM

DISP: Terminal Sacrifice

HISTO: 33358

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Bone Marrow	* Brain
* Esophagus	* Heart	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Larynx	* Lung	* Lymph Node, Bronchial
* Lymph Node, Mandibular	* Lymph Node, Mediastinal	* Lymph Node, Mesenteric	* Pancreas
* Parathyroid Gland	* Salivary Glands	* Skin	* Stomach, Forestomach
* Stomach, Glandular	* Thymus	* Trachea	* Urinary Bladder
* Uterus			

OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Mild
		Hypertrophy	Mild
* Clitoral Gland		Hyperplasia	Mild
Eye	Retina	Atrophy	Moderate
		Cataract	Mild
[Cataract TGLS = 3-15]			
* Kidney		Nephropathy	Mild
* Liver		Basophilic Focus	
		Clear Cell Focus	
		Fibroadenoma	Multiple
* Mammary Gland			
[Fibroadenoma TGLS = 1,2-14+12+13]			
* Nose		Foreign Body	
		Inflammation	Suppurative, Minimal
* Ovary		Cyst	Mild
* Pituitary Gland	Pars Distalis	Adenoma	
* Spleen		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 4-11]			
* Thyroid Gland	C Cell	Hyperplasia	Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05135-07

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Isoprene

CAS Number: 78-79-5

Date Report Requested: 10/22/2014

Time Report Requested: 18:27:46

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 714

TRT#: 8

SEX: Female

DAY ON TEST: 735

DOSE: 7000 PPM

DISP: Terminal Sacrifice

HISTO: 33359

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Bone Marrow	* Clitoral Gland
* Esophagus	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Larynx	* Lymph Node, Bronchial	* Lymph Node, Mandibular	* Lymph Node, Mediastinal
* Lymph Node, Mesenteric	* Mammary Gland	* Nose	* Ovary
* Parathyroid Gland	* Salivary Glands	* Spleen	* Stomach, Forestomach
* Stomach, Glandular	* Thymus	* Trachea	* Urinary Bladder
* Uterus			

OBSERVATIONS

* Adrenal Cortex		Vacuolization Cytoplasmic	Minimal
* Brain		Gliosis	Mild
	Meninges	Granular Cell Tumor Benign	
* Heart		Cardiomyopathy	Minimal
* Kidney		Nephropathy	Moderate
	[Nephropathy TGLS = 5-5]		
* Liver		Basophilic Focus	
	[Basophilic Focus TGLS = 5-5]	Inflammation	Granulomatous, Mild
* Lung		Inflammation	Chronic Active, Mild
* Pancreas		Atrophy	Minimal
* Pituitary Gland	Pars Distalis	Adenoma	
	[Adenoma TGLS = 4-8]		
* Skin	Subcut Tiss	Lipoma	
	[Lipoma TGLS = 3-11]		
* Thyroid Gland	C Cell	Hyperplasia	Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05135-07

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Isoprene

CAS Number: 78-79-5

Date Report Requested: 10/22/2014

Time Report Requested: 18:27:46

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 715

TRT#: 8

SEX: Female

DAY ON TEST: 735

DOSE: 7000 PPM

DISP: Terminal Sacrifice

HISTO: 33360

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Bone	* Brain	* Esophagus	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Larynx	* Lymph Node, Mesenteric
* Nose	* Ovary	* Parathyroid Gland	* Salivary Glands
* Skin	* Stomach, Forestomach	* Stomach, Glandular	* Thymus
* Trachea			

MISSING

* Lymph Node, Bronchial

OBSERVATIONS

* Adrenal Cortex		Leukemia Mononuclear Vacuolization Cytoplasmic	Mild
* Adrenal Medulla		Leukemia Mononuclear	
* Bone Marrow		Leukemia Mononuclear	
* Clitoral Gland		Adenoma	
* Heart		Cardiomyopathy	Minimal
* Kidney		Leukemia Mononuclear Nephropathy	Mild
* Liver		Basophilic Focus Leukemia Mononuclear	
	[Basophilic Focus TGLS = 2-4]		
	[Leukemia Mononuclear TGLS = 2-4]		
* Lung		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLS = 2-4]		
* Lymph Node, Mandibular		Leukemia Mononuclear	
* Lymph Node, Mediastinal		Leukemia Mononuclear	
* Mammary Gland		Fibroadenoma	Multiple
	[Fibroadenoma TGLS = 4-13+11]		
Mesentery	Fat	Necrosis	Moderate
	[Necrosis TGLS = 3-14]		
* Pancreas		Atrophy	Minimal

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05135-07

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Isoprene

CAS Number: 78-79-5

Date Report Requested: 10/22/2014

Time Report Requested: 18:27:46

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 715

TRT#: 8

SEX: Female

DAY ON TEST: 735

DOSE: 7000 PPM

DISP: Terminal Sacrifice

HISTO: 33360

ORGAN AND ACCOUNTABLE SITE STATUS

* Pituitary Gland

Pars Distalis

Adenoma

Leukemia Mononuclear

* Spleen

Leukemia Mononuclear

[Leukemia Mononuclear TGLS = 1-12]

* Thyroid Gland

C Cell

Hyperplasia

Minimal

* Urinary Bladder

Leukemia Mononuclear

* Uterus

Polyp Stromal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05135-07

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Isoprene

CAS Number: 78-79-5

Date Report Requested: 10/22/2014

Time Report Requested: 18:27:46

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 716

TRT#: 8

SEX: Female

DAY ON TEST: 497

DOSE: 7000 PPM

DISP: Moribund Sacrifice

HISTO: 33361

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Brain	* Clitoral Gland	* Esophagus	* 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, Mediastinal	* Lymph Node, Mesenteric	* Mammary Gland
* Nose	* Ovary	* Parathyroid Gland	* Salivary Glands
* Skin	* Spleen	* Stomach, Glandular	* Thymus
* Thyroid Gland	* Trachea	* Urinary Bladder	* Uterus

MISSING

* Lymph Node, Bronchial	* Lymph Node, Mandibular
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OBSERVATIONS

* Heart		Cardiomyopathy	Minimal
* Kidney		Nephropathy	Minimal
* Pancreas		Atrophy	Mild
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 3-11]			
* Stomach, Forestomach		Necrosis	Moderate
[Necrosis TGLS = 4-8]			

PRIMARY CAUSE OF DEATH

- Pituitary Gland Pars Distalis Adenoma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05135-07

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Isoprene

CAS Number: 78-79-5

Date Report Requested: 10/22/2014

Time Report Requested: 18:27:46

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 717

TRT#: 8

SEX: Female

DAY ON TEST: 735

DOSE: 7000 PPM

DISP: Terminal Sacrifice

HISTO: 33362

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Bone	* Bone Marrow	* Brain	* Esophagus
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Larynx
* Lung	* Lymph Node, Bronchial	* Lymph Node, Mandibular	* Lymph Node, Mediastinal
* Lymph Node, Mesenteric	* Ovary	* Pancreas	* Parathyroid Gland
* Salivary Glands	* Skin	* Stomach, Forestomach	* Stomach, Glandular
* Thymus	* Trachea	* Urinary Bladder	* Uterus

OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Minimal
* Adrenal Medulla		Hyperplasia	Minimal
* Clitoral Gland		Carcinoma	
[Carcinoma TGLS = 1-14+15]			
* Heart		Cardiomyopathy	Mild
* Kidney		Nephropathy	Mild
* Liver		Basophilic Focus	
		Clear Cell Focus	
[Basophilic Focus TGLS = 4-11]			
* Mammary Gland		Fibroadenoma	Multiple
[Fibroadenoma TGLS = 1,2,3-14+15+13+12]			
* Nose	Respirat Epith	Metaplasia	Squamous, Minimal
* Pituitary Gland	Pars Distalis	Hyperplasia	Mild
* Spleen		Leukemia Mononuclear	
* Thyroid Gland	C Cell	Hyperplasia	Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05135-07

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Isoprene

CAS Number: 78-79-5

Date Report Requested: 10/22/2014

Time Report Requested: 18:27:46

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 718

TRT#: 8

SEX: Female

DAY ON TEST: 736

DOSE: 7000 PPM

DISP: Terminal Sacrifice

HISTO: 33363

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Bone Marrow	* Brain
* Clitoral Gland	* Esophagus	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Larynx	* Lymph Node, Bronchial	* Lymph Node, Mandibular
* Lymph Node, Mediastinal	* Lymph Node, Mesenteric	* Nose	* Pancreas
* Parathyroid Gland	* Salivary Glands	* Skin	* Spleen
* Stomach, Forestomach	* Stomach, Glandular	* Thymus	* Thyroid Gland
* Trachea	* Urinary Bladder	* Uterus	

OBSERVATIONS

* Adrenal Cortex		Hypertrophy	Moderate
* Heart		Cardiomyopathy	Mild
* Kidney		Nephropathy	Mild
* Liver		Basophilic Focus	
* Lung		Inflammation	Chronic Active, Minimal
* Mammary Gland		Fibroadenoma	
[Fibroadenoma TGLS = 1-11]			
* Ovary		Cyst	Mild
* Pituitary Gland	Pars Distalis	Hyperplasia	Moderate

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05135-07

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Isoprene

CAS Number: 78-79-5

Date Report Requested: 10/22/2014

Time Report Requested: 18:27:46

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 719

TRT#: 8

SEX: Female

DAY ON TEST: 482

DOSE: 7000 PPM

DISP: Moribund Sacrifice

HISTO: 33364

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Clitoral Gland	* Esophagus	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Kidney	* Larynx	* Lung
* Lymph Node, Bronchial	* Lymph Node, Mandibular	* Lymph Node, Mediastinal	* Lymph Node, Mesenteric
* Mammary Gland	* Nose	* Pancreas	* Parathyroid Gland
* Pituitary Gland	* Salivary Glands	* Skin	* Spleen
* Stomach, Forestomach	* Stomach, Glandular	* Thymus	* Thyroid Gland
* Trachea	* Urinary Bladder	* Uterus	

OBSERVATIONS

* Brain		Medulloblastoma Mal	
* Heart		Cardiomyopathy	Mild
* Liver		Basophilic Focus	
		Hepatodiaphragmatic Nodule	
[Hepatodiaphragmatic Nodule TGLS = 2-4]			
Mesentery	Fat	Necrosis	Mild
[Necrosis TGLS = 5-11]			
* Ovary		Cyst	Mild
[Cyst TGLS = 4-7]			

PRIMARY CAUSE OF DEATH

- Brain Medulloblastoma Mal

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05135-07

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Isoprene

CAS Number: 78-79-5

Date Report Requested: 10/22/2014

Time Report Requested: 18:27:46

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 720

TRT#: 8

SEX: Female

DAY ON TEST: 734

DOSE: 7000 PPM

DISP: Terminal Sacrifice

HISTO: 33365

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Bone	* Bone Marrow	* Brain	* Clitoral Gland
* Esophagus	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Larynx	* Lymph Node, Bronchial	* Lymph Node, Mediastinal	* Lymph Node, Mesenteric
* Nose	* Ovary	* Pancreas	* Parathyroid Gland
* Salivary Glands	* Skin	* Spleen	* Stomach, Forestomach
* Stomach, Glandular	* Thymus	* Trachea	* Urinary Bladder
* Uterus			

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Minimal
* Adrenal Medulla		Hyperplasia	Minimal
* Heart		Cardiomyopathy	Minimal
* Kidney		Nephropathy	Mild
* Liver		Basophilic Focus	
		Clear Cell Focus	
		Necrosis	Minimal
Note: "Focus, 1mm-3mm dia, multiple, dark", noted at necropsy, was not apparent microscopically and may have been blood in hepatic vascular spaces.			
[Basophilic Focus TGLS = 5-11]			
* Lung	Alveolar Epith	Hyperplasia	Minimal
		Inflammation	Chronic Active, Minimal
[Inflammation TGLS = 2-3A]			
* Mammary Gland		Fibroadenoma	
[Fibroadenoma TGLS = 1-12]			
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 3-8]			
* Thyroid Gland	C Cell	Hyperplasia	Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05135-07

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Isoprene

CAS Number: 78-79-5

Date Report Requested: 10/22/2014

Time Report Requested: 18:27:46

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 721

TRT#: 8

SEX: Female

DAY ON TEST: 735

DOSE: 7000 PPM

DISP: Terminal Sacrifice

HISTO: 33366

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Bone Marrow	* Brain
* Clitoral Gland	* Esophagus	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Larynx	* Lung	* Lymph Node, Bronchial
* Lymph Node, Mandibular	* Lymph Node, Mediastinal	* Lymph Node, Mesenteric	* Nose
* Ovary	* Pancreas	* Parathyroid Gland	* Salivary Glands
* Skin	* Spleen	* Stomach, Forestomach	* Stomach, Glandular
* Thymus	* Trachea	* Urinary Bladder	* Uterus

OBSERVATIONS

* Adrenal Cortex		Vacuolization Cytoplasmic	Minimal
* Heart		Cardiomyopathy	Minimal
* Kidney		Nephropathy	Moderate
[Nephropathy TGLS = 2-5]			
* Liver		Basophilic Focus	
		Clear Cell Focus	
		Eosinophilic Focus	
[Basophilic Focus TGLS = 2-5]			
[Clear Cell Focus TGLS = 2-5]			
[Eosinophilic Focus TGLS = 3-11]			
* Mammary Gland		Fibroadenoma	
[Fibroadenoma TGLS = 1-12+7]			
* Pituitary Gland	Pars Distalis	Adenoma	
* Thyroid Gland	C Cell	Hyperplasia	Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05135-07

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Isoprene

CAS Number: 78-79-5

Date Report Requested: 10/22/2014

Time Report Requested: 18:27:46

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 722

TRT#: 8

SEX: Female

DAY ON TEST: 734

DOSE: 7000 PPM

DISP: Terminal Sacrifice

HISTO: 33367

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Bone Marrow	* Brain
* Clitoral Gland	* Esophagus	* 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	* Ovary
* Pancreas	* Parathyroid Gland	* Salivary Glands	* Skin
* Stomach, Forestomach	* Stomach, Glandular	* Thymus	* Trachea
* Urinary Bladder	* Uterus		

OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Mild
		Thrombosis	Minimal
* Heart		Cardiomyopathy	Mild
* Kidney		Nephropathy	Moderate
	[Nephropathy TGLS = 2-5]		
* Liver		Basophilic Focus	
		Clear Cell Focus	
		Leukemia Mononuclear	
	[Basophilic Focus TGLS = 3-4+12]		
	[Clear Cell Focus TGLS = 2-5]		
	[Leukemia Mononuclear TGLS = 2-5]		
* Mammary Gland		Fibroadenoma	
	[Fibroadenoma TGLS = 1-11]		
* Nose		Foreign Body	
		Inflammation	Suppurative, Mild
	Olfactory Epi	Metaplasia	Mild
* Pituitary Gland	Pars Distalis	Adenoma	
* Spleen		Leukemia Mononuclear	
* Thyroid Gland	C Cell	Hyperplasia	Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05135-07

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Isoprene

CAS Number: 78-79-5

Date Report Requested: 10/22/2014

Time Report Requested: 18:27:46

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 723

TRT#: 8

SEX: Female

DAY ON TEST: 735

DOSE: 7000 PPM

DISP: Terminal Sacrifice

HISTO: 33368

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- | | | | |
|---------------------------|----------------------------|---------------------------|-----------------------------|
| * Bone | * Bone Marrow | * Brain | * Esophagus |
| * Intestine Large, Cecum | * Intestine Large, Colon | * Intestine Large, Rectum | * Intestine Small, Duodenum |
| * Intestine Small, Ileum | * Intestine Small, Jejunum | * Islets, Pancreatic | * Larynx |
| * Lymph Node, Mediastinal | * Nose | * Ovary | * Pancreas |
| * Parathyroid Gland | * Pituitary Gland | * Salivary Glands | * Skin |
| * Stomach, Forestomach | * Stomach, Glandular | * Trachea | * Urinary Bladder |
| * Uterus | | | |

MISSING

- * Thymus

OBSERVATIONS

- | | | | |
|--|----------------|----------------------------|-------------------------|
| * Adrenal Cortex | | Hypertrophy | Mild |
| * Adrenal Medulla | | Hyperplasia | Mild |
| * Clitoral Gland | | Adenoma | |
| * Heart | | Cardiomyopathy | Minimal |
| * Kidney | | Nephropathy | Mild |
| [Nephropathy TGLS = 3-5] | | | |
| * Liver | | Basophilic Focus | |
| | | Hepatodiaphragmatic Nodule | |
| | | Leukemia Mononuclear | |
| | | Regeneration | Mild |
| [Hepatodiaphragmatic Nodule TGLS = 5-12] | | | |
| [Leukemia Mononuclear TGLS = 4-4] | | | |
| * Lung | Alveolar Epith | Hyperplasia | Mild |
| | | Inflammation | Chronic Active, Minimal |
| | | Leukemia Mononuclear | |
| [Leukemia Mononuclear TGLS = 5-12] | | | |
| * Lymph Node, Bronchial | | Leukemia Mononuclear | |
| * Lymph Node, Mandibular | | Leukemia Mononuclear | |
| * Lymph Node, Mesenteric | | Leukemia Mononuclear | |
| * Mammary Gland | | Fibroadenoma | |

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05135-07

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Isoprene

CAS Number: 78-79-5

Date Report Requested: 10/22/2014

Time Report Requested: 18:27:46

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 723

TRT#: 8

SEX: Female

DAY ON TEST: 735

DOSE: 7000 PPM

DISP: Terminal Sacrifice

HISTO: 33368

ORGAN AND ACCOUNTABLE SITE STATUS

[Fibroadenoma TGLS = 6-13]

* Spleen

Fibrosis

Mild

Leukemia Mononuclear

[Fibrosis TGLS = 2-11]

[Leukemia Mononuclear TGLS = 1-11]

* Thyroid Gland

C Cell

Hyperplasia

Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05135-07

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Isoprene

CAS Number: 78-79-5

Date Report Requested: 10/22/2014

Time Report Requested: 18:27:46

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 724

TRT#: 8

SEX: Female

DAY ON TEST: 594

DOSE: 7000 PPM

DISP: Moribund Sacrifice

HISTO: 33369

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Brain	* Clitoral Gland	* Esophagus	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Larynx	* Mammary Gland
* Parathyroid Gland	* Salivary Glands	* Skin	* Stomach, Forestomach
* Stomach, Glandular	* Trachea	* Uterus	

OBSERVATIONS

* Adrenal Cortex		Leukemia Mononuclear	
* Adrenal Medulla		Hyperplasia	Mild
		Leukemia Mononuclear	
* Bone		Hyperostosis	Marked
* Bone Marrow		Leukemia Mononuclear	
* Heart		Leukemia Mononuclear	
* Kidney		Leukemia Mononuclear	
		Nephropathy	Minimal
* Liver		Basophilic Focus	
	Bile Duct	Hyperplasia	Mild
		Leukemia Mononuclear	
		Regeneration	Marked
[Regeneration TGLS = 4-4+11]			
* Lung		Inflammation	Chronic Active, Marked
		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 3-3+3A]			
* Lymph Node, Bronchial		Leukemia Mononuclear	
* Lymph Node, Mandibular		Leukemia Mononuclear	
* Lymph Node, Mediastinal		Leukemia Mononuclear	
* Lymph Node, Mesenteric		Leukemia Mononuclear	
Mesentery	Fat	Necrosis	Mild
[Necrosis TGLS = 5-13]			
* Nose	Respirat Epith	Hyperplasia	Minimal
		Inflammation	Suppurative, Mild

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05135-07
Test Type: CHRONIC
Species/Strain: Rat/F 344/N

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

Date Report Requested: 10/22/2014
Time Report Requested: 18:27:46
First Dose M/F: NA / NA
Lab: BNW

ANIMAL ID: 724	TRT#: 8 DOSE: 7000 PPM	SEX: Female DISP: Moribund Sacrifice	DAY ON TEST: 594 HISTO: 33369
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ORGAN AND ACCOUNTABLE SITE STATUS

* Ovary [Leukemia Mononuclear TGLS = 5-13]		Leukemia Mononuclear	
* Pancreas [Leukemia Mononuclear TGLS = 5-13]		Atrophy Leukemia Mononuclear	Mild
* Pituitary Gland		Leukemia Mononuclear	
* Spleen [Fibrosis TGLS = 2-12] [Leukemia Mononuclear TGLS = 1-12]		Fibrosis Leukemia Mononuclear	Mild
* Thymus [Leukemia Mononuclear TGLS = 1-12]		Leukemia Mononuclear	
* Thyroid Gland	C Cell	Hyperplasia	Minimal
* Urinary Bladder		Leukemia Mononuclear	

PRIMARY CAUSE OF DEATH - Thymus Leukemia Mononuclear

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05135-07

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Isoprene

CAS Number: 78-79-5

Date Report Requested: 10/22/2014

Time Report Requested: 18:27:46

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 725

TRT#: 8

SEX: Female

DAY ON TEST: 734

DOSE: 7000 PPM

DISP: Terminal Sacrifice

HISTO: 33370

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Bone Marrow	* Brain
* Clitoral Gland	* Esophagus	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Larynx	* Lymph Node, Bronchial	* Lymph Node, Mandibular
* Lymph Node, Mediastinal	* Lymph Node, Mesenteric	* Nose	* Ovary
* Pancreas	* Parathyroid Gland	* Pituitary Gland	* Salivary Glands
* Skin	* Stomach, Forestomach	* Stomach, Glandular	* Thymus
* Trachea	* Urinary Bladder	* Uterus	

OBSERVATIONS

* Adrenal Cortex		Hypertrophy	Mild
* Heart		Cardiomyopathy	Mild
* Kidney		Leukemia Mononuclear	
		Nephropathy	Mild
* Liver		Basophilic Focus	
		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLS = 3-4]		
* Lung		Inflammation	Chronic Active, Moderate
		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLS = 3-4]		
* Mammary Gland		Hyperplasia	Mild
	[Hyperplasia TGLS = 1-11]		
* Spleen		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLS = 2-4]		
* Thyroid Gland	C Cell	Hyperplasia	Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05135-07

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Isoprene

CAS Number: 78-79-5

Date Report Requested: 10/22/2014

Time Report Requested: 18:27:46

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 726

TRT#: 8

SEX: Female

DAY ON TEST: 652

DOSE: 7000 PPM

DISP: Moribund Sacrifice

HISTO: 33371

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Brain	* Clitoral Gland	* Esophagus	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Larynx	* Lymph Node, Mandibular
* Mammary Gland	* Nose	* Ovary	* Parathyroid Gland
* Pituitary Gland	* Salivary Glands	* Skin	* Stomach, Forestomach
* Stomach, Glandular	* Thymus	* Trachea	* Urinary Bladder
* Uterus			

OBSERVATIONS

* Adrenal Cortex		Hypertrophy	Mild
* Adrenal Medulla		Pheochromocytoma Benign	
* Bone		Hyperostosis	Mild
* Bone Marrow		Leukemia Mononuclear	
* Heart		Cardiomyopathy	Mild
* Kidney		Leukemia Mononuclear	
		Nephropathy	Mild
* Liver		Fatty Change	Mild
	Bile Duct	Hyperplasia	Mild
		Leukemia Mononuclear	
	Centrilobular	Necrosis	Minimal
	[Leukemia Mononuclear TGLS = 5-4]		
* Lung		Leukemia Mononuclear	
Lymph Node	Pancreatic	Leukemia Mononuclear	
	Renal	Leukemia Mononuclear	
	[Leukemia Mononuclear TGLS = 7-13]		
	[Leukemia Mononuclear TGLS = 4-11]		
* Lymph Node, Bronchial		Leukemia Mononuclear	
* Lymph Node, Mediastinal		Leukemia Mononuclear	
* Lymph Node, Mesenteric		Leukemia Mononuclear	
Mesentery	Fat	Necrosis	Mild
	[Necrosis TGLS = 8-14]		

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05135-07

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Isoprene

CAS Number: 78-79-5

Date Report Requested: 10/22/2014

Time Report Requested: 18:27:46

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 726

TRT#: 8

SEX: Female

DAY ON TEST: 652

DOSE: 7000 PPM

DISP: Moribund Sacrifice

HISTO: 33371

ORGAN AND ACCOUNTABLE SITE STATUS

* Pancreas

Atrophy

Minimal

* Spleen

Fibrosis

Mild

Leukemia Mononuclear

[Fibrosis TGLS = 6-12]

[Leukemia Mononuclear TGLS = 3-11]

* Thyroid Gland

C Cell

Hyperplasia

Minimal

PRIMARY CAUSE OF DEATH

- Spleen Leukemia Mononuclear

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05135-07

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Isoprene

CAS Number: 78-79-5

Date Report Requested: 10/22/2014

Time Report Requested: 18:27:46

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 727

TRT#: 8

SEX: Female

DAY ON TEST: 736

DOSE: 7000 PPM

DISP: Terminal Sacrifice

HISTO: 33372

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Bone Marrow	* Brain
* Clitoral Gland	* Esophagus	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Larynx	* Lymph Node, Mandibular	* Lymph Node, Mediastinal
* Lymph Node, Mesenteric	* Mammary Gland	* Nose	* Ovary
* Pancreas	* Parathyroid Gland	* Salivary Glands	* Skin
* Spleen	* Stomach, Forestomach	* Stomach, Glandular	* Thymus
* Trachea	* Urinary Bladder	* Uterus	

MISSING

* Lymph Node, Bronchial

OBSERVATIONS

* Adrenal Cortex		Hypertrophy	Mild
* Heart		Cardiomyopathy	Mild
* Kidney		Nephropathy	Mild
[Nephropathy TGLS = 2-5]			
* Liver		Basophilic Focus	
[Basophilic Focus TGLS = 2-5]		Clear Cell Focus	
[Clear Cell Focus TGLS = 2-5]			
* Lung		Inflammation	Chronic Active, Minimal
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 1-8]			
* Thyroid Gland	C Cell	Hyperplasia	Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05135-07

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Isoprene

CAS Number: 78-79-5

Date Report Requested: 10/22/2014

Time Report Requested: 18:27:46

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 728

TRT#: 8

SEX: Female

DAY ON TEST: 736

DOSE: 7000 PPM

DISP: Terminal Sacrifice

HISTO: 33373

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Bone Marrow	* Brain
* Esophagus	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Larynx	* Liver	* Lung	* Lymph Node, Bronchial
* Lymph Node, Mandibular	* Lymph Node, Mediastinal	* Lymph Node, Mesenteric	* Nose
* Ovary	* Parathyroid Gland	* Salivary Glands	* Skin
* Spleen	* Stomach, Forestomach	* Stomach, Glandular	* Thymus
* Trachea	* Urinary Bladder	* Uterus	

OBSERVATIONS

* Adrenal Cortex		Hypertrophy	Mild
* Clitoral Gland		Adenoma	
* Heart		Cardiomyopathy	Minimal
* Kidney		Nephropathy	Mild
* Mammary Gland		Hyperplasia	Mild
[Hyperplasia TGLS = 1,2-11+12]			
* Pancreas		Basophilic Focus	
[Basophilic Focus TGLS = 1,2-11+12]			
* Pituitary Gland	Pars Distalis	Adenoma	
* Thyroid Gland	C Cell	Adenoma	
	C Cell	Hyperplasia	Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05135-07

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Isoprene

CAS Number: 78-79-5

Date Report Requested: 10/22/2014

Time Report Requested: 18:27:46

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 729

TRT#: 8

SEX: Female

DAY ON TEST: 681

DOSE: 7000 PPM

DISP: Moribund Sacrifice

HISTO: 33374

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Bone	* Bone Marrow	* Brain
* Esophagus	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Larynx	* Lymph Node, Mandibular	* Lymph Node, Mediastinal	* Lymph Node, Mesenteric
* Ovary	* Pancreas	* Parathyroid Gland	* Salivary Glands
* Skin	* Spleen	* Stomach, Glandular	* Thymus
* Trachea	* Urinary Bladder	* Uterus	

MISSING

* Clitoral Gland	* Lymph Node, Bronchial
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OBSERVATIONS

* Adrenal Medulla		Hyperplasia	Mild
* Heart		Cardiomyopathy	Moderate
* Kidney		Nephropathy	Moderate
[Nephropathy TGLS = 4-5]			
* Liver		Basophilic Focus	
		Fatty Change	Mild
		Mixed Cell Focus	
[Basophilic Focus TGLS = 4-5]			
[Mixed Cell Focus TGLS = 2-4+11]			
* Lung		Inflammation	Chronic Active, Minimal
* Mammary Gland		Fibroadenoma	
[Fibroadenoma TGLS = 1-12]			
* Nose		Inflammation	Suppurative, Mild
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 5-8]			
* Stomach, Forestomach		Necrosis	Marked
[Necrosis TGLS = 3-8+13]			
* Thyroid Gland	C Cell	Hyperplasia	Minimal

PRIMARY CAUSE OF DEATH - Pituitary Gland Pars Distalis Adenoma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05135-07

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Isoprene

CAS Number: 78-79-5

Date Report Requested: 10/22/2014

Time Report Requested: 18:27:46

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 730

TRT#: 8

SEX: Female

DAY ON TEST: 736

DOSE: 7000 PPM

DISP: Terminal Sacrifice

HISTO: 33375

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Brain	* Clitoral Gland	* Esophagus	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Larynx	* Lung
* Lymph Node, Bronchial	* Lymph Node, Mandibular	* Lymph Node, Mediastinal	* Lymph Node, Mesenteric
* Mammary Gland	* Nose	* Ovary	* Salivary Glands
* Skin	* Spleen	* Stomach, Forestomach	* Stomach, Glandular
* Thymus	* Trachea	* Urinary Bladder	* Uterus

MISSING

* Parathyroid Gland

OBSERVATIONS

* Heart		Cardiomyopathy	Mild
* Kidney		Nephropathy	Mild
* Liver		Angiectasis	Mild
* Pancreas		Atrophy	Mild
* Pituitary Gland	Pars Distalis	Hyperplasia	Moderate
* Thyroid Gland	C Cell	Hyperplasia	Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05135-07

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Isoprene

CAS Number: 78-79-5

Date Report Requested: 10/22/2014

Time Report Requested: 18:27:46

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 731

TRT#: 8

SEX: Female

DAY ON TEST: 735

DOSE: 7000 PPM

DISP: Terminal Sacrifice

HISTO: 33376

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Bone	* Bone Marrow	* Brain	* Clitoral Gland
* Esophagus	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Larynx	* Lung	* Lymph Node, Bronchial	* Lymph Node, Mandibular
* Lymph Node, Mediastinal	* Lymph Node, Mesenteric	* Nose	* Ovary
* Parathyroid Gland	* Salivary Glands	* Skin	* Spleen
* Stomach, Glandular	* Thymus	* Trachea	* Urinary Bladder

OBSERVATIONS

* Adrenal Cortex		Degeneration	Cystic, Mild
		Hyperplasia	Mild
* Adrenal Medulla		Hyperplasia	Minimal
* Heart		Cardiomyopathy	Mild
* Kidney		Nephropathy	Mild
* Liver		Basophilic Focus	
* Mammary Gland		Fibroadenoma	Multiple
[Fibroadenoma TGLS = 1,2,3,4-12+13+11+14]			
* Pancreas		Atrophy	Minimal
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 5-8]			
* Stomach, Forestomach		Squamous Cell Papilloma	
* Thyroid Gland	C Cell	Hyperplasia	Minimal
* Uterus		Polyp Stromal	Multiple

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05135-07

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Isoprene

CAS Number: 78-79-5

Date Report Requested: 10/22/2014

Time Report Requested: 18:27:46

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 732

TRT#: 8

SEX: Female

DAY ON TEST: 713

DOSE: 7000 PPM

DISP: Moribund Sacrifice

HISTO: 33377

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Bone	* Brain	* Clitoral Gland	* Esophagus
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Larynx
* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Mammary Gland	* Ovary
* Parathyroid Gland	* Pituitary Gland	* Salivary Glands	* Skin
* Stomach, Forestomach	* Trachea	* Urinary Bladder	* Uterus

OBSERVATIONS

* Adrenal Cortex		Leukemia Mononuclear Vacuolization Cytoplasmic	Mild
* Adrenal Medulla		Leukemia Mononuclear	
* Bone Marrow		Leukemia Mononuclear	
Eye		Hemorrhage	Moderate
[Hemorrhage TGLS = 1-13]			
* Heart		Cardiomyopathy	Mild
* Kidney		Cyst	Mild
		Leukemia Mononuclear	
[Cyst TGLS = 6-5]		Nephropathy	Mild
* Liver		Fatty Change	Mild
	Bile Duct	Hyperplasia	Mild
		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 5-4]			
* Lung		Leukemia Mononuclear	
* Lymph Node, Bronchial		Leukemia Mononuclear	
* Lymph Node, Mediastinal		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 7-12]			
Mesentery	Fat	Necrosis	Moderate
[Necrosis TGLS = 2-14]			
* Nose		Thrombosis	Moderate
* Pancreas		Atrophy	Mild

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05135-07
Test Type: CHRONIC
Species/Strain: Rat/F 344/N

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

Date Report Requested: 10/22/2014
Time Report Requested: 18:27:46
First Dose M/F: NA / NA
Lab: BNW

ANIMAL ID: 732	TRT#: 8 DOSE: 7000 PPM	SEX: Female DISP: Moribund Sacrifice	DAY ON TEST: 713 HISTO: 33377
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ORGAN AND ACCOUNTABLE SITE STATUS

* Spleen [Fibrosis TGLS = 4-11] [Leukemia Mononuclear TGLS = 3-11]		Metaplasia Fibrosis Leukemia Mononuclear	Hepatocyte, Mild Mild
* Stomach, Glandular [Necrosis TGLS = 7-12]		Necrosis	Mild
* Thymus [Leukemia Mononuclear TGLS = 3-11]		Leukemia Mononuclear	
* Thyroid Gland	C Cell	Hyperplasia	Marked

PRIMARY CAUSE OF DEATH - Thymus Leukemia Mononuclear

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05135-07

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Isoprene

CAS Number: 78-79-5

Date Report Requested: 10/22/2014

Time Report Requested: 18:27:46

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 734

TRT#: 8

SEX: Female

DAY ON TEST: 727

DOSE: 7000 PPM

DISP: Moribund Sacrifice

HISTO: 33379

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Bone	* Bone Marrow	* Brain	* Clitoral Gland
* Esophagus	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Larynx	* Lung	* Lymph Node, Mandibular	* Lymph Node, Mediastinal
* Lymph Node, Mesenteric	* Parathyroid Gland	* Salivary Glands	* Skin
* Spleen	* Stomach, Forestomach	* Stomach, Glandular	* Thymus
* Trachea	* Urinary Bladder	* Uterus	

MISSING

* Lymph Node, Bronchial

OBSERVATIONS

* Adrenal Cortex		Hypertrophy	Mild
* Adrenal Medulla		Pheochromocytoma Benign	
* Heart		Cardiomyopathy	Minimal
* Kidney		Nephropathy	Moderate
* Liver		Angiectasis	Mild
		Basophilic Focus	
		Fibroadenoma	
* Mammary Gland			
[Fibroadenoma TGLS = 1-11]			
* Nose		Inflammation	Suppurative, Minimal
* Ovary		Cyst	Mild
* Pancreas		Atrophy	Minimal
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 3-8]			
* Thyroid Gland	C Cell	Hyperplasia	Minimal

PRIMARY CAUSE OF DEATH - Pituitary Gland Pars Distalis Adenoma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05135-07

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Isoprene

CAS Number: 78-79-5

Date Report Requested: 10/22/2014

Time Report Requested: 18:27:46

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 735

TRT#: 8

SEX: Female

DAY ON TEST: 734

DOSE: 7000 PPM

DISP: Terminal Sacrifice

HISTO: 33380

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Brain	* Clitoral Gland	* Esophagus	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Larynx	* Liver	* Lymph Node, Bronchial
* Lymph Node, Mandibular	* Lymph Node, Mediastinal	* Lymph Node, Mesenteric	* Mammary Gland
* Nose	* Ovary	* Pancreas	* Parathyroid Gland
* Salivary Glands	* Skin	* Spleen	* Stomach, Forestomach
* Stomach, Glandular	* Thymus	* Thyroid Gland	* Trachea
* Urinary Bladder	* Uterus		

OBSERVATIONS

Eye		Degeneration	Moderate
Note: Degeneration included mod cataract, mod retinal atrophy, posterior synechia.			
[Degeneration TGLS = 3-11]			
* Heart		Cardiomyopathy	Minimal
* Islets, Pancreatic		Hyperplasia	Marked
* Kidney		Nephropathy	Mild
* Lung		Inflammation	Chronic Active, Minimal
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 4-8]			

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05135-07

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Isoprene

CAS Number: 78-79-5

Date Report Requested: 10/22/2014

Time Report Requested: 18:27:46

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 736

TRT#: 8

SEX: Female

DAY ON TEST: 734

DOSE: 7000 PPM

DISP: Terminal Sacrifice

HISTO: 33381

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Bone Marrow	* Brain	* Clitoral Gland	* Esophagus
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Larynx
* Lymph Node, Bronchial	* Lymph Node, Mandibular	* Lymph Node, Mediastinal	* Lymph Node, Mesenteric
* Mammary Gland	* Ovary	* Pancreas	* Parathyroid Gland
* Salivary Glands	* Skin	* Spleen	* Stomach, Forestomach
* Stomach, Glandular	* Thymus	* Trachea	* Urinary Bladder
* Uterus			

OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Mild
* Adrenal Medulla		Hyperplasia	Mild
* Bone		Hyperostosis	Moderate
* Heart		Cardiomyopathy	Mild
* Kidney		Nephropathy	Moderate
	[Nephropathy TGLS = 3-5]		
* Liver		Angiectasis	Mild
		Clear Cell Focus	
		Eosinophilic Focus	
	[Angiectasis TGLS = 5-12]		
	[Clear Cell Focus TGLS = 3-5]		
	[Eosinophilic Focus TGLS = 3-5]		
* Lung		Alveolar/Bronchiolar Adenoma	
	Alveolar Epith	Hyperplasia	Minimal
	[Alveolar/Bronchiolar Adenoma TGLS = 4-11]		
Mesentery	Fat	Necrosis	Mild
	[Necrosis TGLS = 2-13]		
* Nose		Inflammation	Suppurative, Mild
* Pituitary Gland	Pars Distalis	Hyperplasia	Mild
	[Hyperplasia TGLS = 1-8]		
* Thyroid Gland	C Cell	Hyperplasia	Minimal

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05135-07

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Isoprene

CAS Number: 78-79-5

Date Report Requested: 10/22/2014

Time Report Requested: 18:27:46

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 736

TRT#: 8

SEX: Female

DAY ON TEST: 734

DOSE: 7000 PPM

DISP: Terminal Sacrifice

HISTO: 33381

ORGAN AND ACCOUNTABLE SITE STATUS

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05135-07

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Isoprene

CAS Number: 78-79-5

Date Report Requested: 10/22/2014

Time Report Requested: 18:27:46

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 737

TRT#: 8

SEX: Female

DAY ON TEST: 709

DOSE: 7000 PPM

DISP: Moribund Sacrifice

HISTO: 33382

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Bone	* Brain	* Clitoral Gland	* Esophagus
* Heart	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Larynx
* Lymph Node, Bronchial	* Nose	* Ovary	* Pancreas
* Parathyroid Gland	* Salivary Glands	* Skin	* Stomach, Forestomach
* Stomach, Glandular	* Thymus	* Trachea	* Urinary Bladder
* Uterus			

OBSERVATIONS

* Adrenal Cortex		Leukemia Mononuclear	
* Adrenal Medulla		Leukemia Mononuclear	
* Bone Marrow		Leukemia Mononuclear	
Eye	Retina	Atrophy	Moderate
		Cataract	Mild
[Cataract TGLS = 2-15]			
* Islets, Pancreatic		Hyperplasia	Mild
* Kidney		Leukemia Mononuclear	
		Nephropathy	Mild
* Liver		Basophilic Focus	
	Bile Duct	Hyperplasia	Minimal
		Leukemia Mononuclear	
	Centrilobular	Necrosis	Minimal
* Lung		Leukemia Mononuclear	
* Lymph Node, Mandibular		Leukemia Mononuclear	
* Lymph Node, Mediastinal		Leukemia Mononuclear	
* Lymph Node, Mesenteric		Leukemia Mononuclear	
* Mammary Gland		Fibroadenoma	Multiple
[Fibroadenoma TGLS = 1,3-13+12+14]			
* Pituitary Gland	Pars Distalis	Hyperplasia	Moderate
[Hyperplasia TGLS = 6-8]			
* Spleen		Leukemia Mononuclear	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05135-07

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Isoprene

CAS Number: 78-79-5

Date Report Requested: 10/22/2014

Time Report Requested: 18:27:46

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 737

TRT#: 8

SEX: Female

DAY ON TEST: 709

DOSE: 7000 PPM

DISP: Moribund Sacrifice

HISTO: 33382

ORGAN AND ACCOUNTABLE SITE STATUS

[Leukemia Mononuclear TGLS = 4-11]

* Thyroid Gland

C Cell

Hyperplasia

Mild

PRIMARY CAUSE OF DEATH

- Spleen Leukemia Mononuclear

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05135-07

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Isoprene

CAS Number: 78-79-5

Date Report Requested: 10/22/2014

Time Report Requested: 18:27:46

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 738

TRT#: 8

SEX: Female

DAY ON TEST: 594

DOSE: 7000 PPM

DISP: Moribund Sacrifice

HISTO: 33383

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Brain	* Esophagus	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Larynx	* Lymph Node, Mediastinal	* Lymph Node, Mesenteric
* Mammary Gland	* Nose	* Ovary	* Parathyroid Gland
* Salivary Glands	* Skin	* Stomach, Forestomach	* Stomach, Glandular
* Thymus	* Trachea	* Urinary Bladder	* Uterus

OBSERVATIONS

* Clitoral Gland		Carcinoma	
[Carcinoma TGLS = 3-13+7]			
* Heart		Cardiomyopathy	Mild
* Kidney		Leukemia Mononuclear	
		Nephropathy	Minimal
* Liver		Fatty Change	Moderate
[Leukemia Mononuclear TGLS = 4-4]		Leukemia Mononuclear	
* Lung	Alveolar Epith	Hyperplasia	Mild
[Hyperplasia TGLS = 7-11]		Leukemia Mononuclear	
* Lymph Node, Bronchial		Leukemia Mononuclear	
* Lymph Node, Mandibular		Leukemia Mononuclear	
* Pancreas		Atrophy	Mild
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 1-8]			
* Spleen		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 2-12]			
* Thyroid Gland	C Cell	Hyperplasia	Moderate

PRIMARY CAUSE OF DEATH - Spleen Leukemia Mononuclear

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05135-07

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Isoprene

CAS Number: 78-79-5

Date Report Requested: 10/22/2014

Time Report Requested: 18:27:46

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 739

TRT#: 8

SEX: Female

DAY ON TEST: 630

DOSE: 7000 PPM

DISP: Moribund Sacrifice

HISTO: 33384

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- | | | | |
|---------------------------|-----------------------------|--------------------------|----------------------------|
| * Brain | * Esophagus | * Intestine Large, Cecum | * Intestine Large, Colon |
| * Intestine Large, Rectum | * Intestine Small, Duodenum | * Intestine Small, Ileum | * Intestine Small, Jejunum |
| * Islets, Pancreatic | * Larynx | * Parathyroid Gland | * Skin |
| * Trachea | | | |

MISSING

- * Thymus

OBSERVATIONS

- | | | | |
|--|---------------|----------------------|------------------------|
| * Adrenal Cortex | | Leukemia Mononuclear | |
| [Leukemia Mononuclear TGLS = 1-7] | | | |
| * Adrenal Medulla | | Leukemia Mononuclear | |
| [Leukemia Mononuclear TGLS = 1-7] | | | |
| * Bone | | Hyperostosis | Mild |
| * Bone Marrow | | Leukemia Mononuclear | |
| * Clitoral Gland | | Leukemia Mononuclear | |
| * Heart | | Leukemia Mononuclear | |
| * Kidney | | Leukemia Mononuclear | |
| | | Nephropathy | Mild |
| * Liver | Bile Duct | Hyperplasia | Mild |
| | | Leukemia Mononuclear | |
| | Centrilobular | Necrosis | Minimal |
| * Lung | | Inflammation | Chronic Active, Marked |
| | | Leukemia Mononuclear | |
| [Leukemia Mononuclear TGLS = 3-3+3A] | | | |
| * Lymph Node, Bronchial | | Leukemia Mononuclear | |
| [Leukemia Mononuclear TGLS = 1-7] | | | |
| * Lymph Node, Mandibular | | Leukemia Mononuclear | |
| [Leukemia Mononuclear TGLS = 1-7] | | | |
| * Lymph Node, Mediastinal | | Leukemia Mononuclear | |
| [Leukemia Mononuclear TGLS = 2-2] | | | |
| * Lymph Node, Mesenteric | | Leukemia Mononuclear | |

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05135-07

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Isoprene

CAS Number: 78-79-5

Date Report Requested: 10/22/2014

Time Report Requested: 18:27:46

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 739

TRT#: 8

SEX: Female

DAY ON TEST: 630

DOSE: 7000 PPM

DISP: Moribund Sacrifice

HISTO: 33384

ORGAN AND ACCOUNTABLE SITE STATUS

* Mammary Gland		Fibroadenoma Leukemia Mononuclear	
[Fibroadenoma TGLS = 4-12+7]			
[Leukemia Mononuclear TGLS = 4-12+7]			
* Nose		Leukemia Mononuclear	
* Ovary		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 4-12+7]			
* Pancreas		Atrophy Leukemia Mononuclear	Moderate
[Leukemia Mononuclear TGLS = 4-12+7]			
* Pituitary Gland	Pars Distalis	Hyperplasia Leukemia Mononuclear	Mild
* Salivary Glands		Leukemia Mononuclear	
* Spleen		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 5-11]			
* Stomach, Forestomach		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 1-7]			
* Stomach, Glandular		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 1-7]			
* Thyroid Gland	C Cell	Hyperplasia Leukemia Mononuclear	Minimal
* Urinary Bladder		Polyp Stromal	
* Uterus			

PRIMARY CAUSE OF DEATH - Spleen Leukemia Mononuclear

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05135-07

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Isoprene

CAS Number: 78-79-5

Date Report Requested: 10/22/2014

Time Report Requested: 18:27:46

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 740

TRT#: 8

SEX: Female

DAY ON TEST: 653

DOSE: 7000 PPM

DISP: Moribund Sacrifice

HISTO: 33385

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Bone	* Bone Marrow	* Brain	* Clitoral Gland
* Esophagus	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Larynx	* Lymph Node, Bronchial	* Lymph Node, Mandibular	* Lymph Node, Mesenteric
* Mammary Gland	* Ovary	* Parathyroid Gland	* Salivary Glands
* Skin	* Spleen	* Stomach, Forestomach	* Thymus
* Trachea	* Urinary Bladder		

MISSING

* Lymph Node, Mediastinal

OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Mild
* Adrenal Medulla		Hyperplasia	Mild
* Heart		Cardiomyopathy	Mild
		Mineralization	Mild
* Kidney		Nephropathy	Marked
	[Nephropathy TGLS = 5-5]		
* Liver		Basophilic Focus	
		Fatty Change	Minimal
	[Basophilic Focus TGLS = 6-11]		
	[Fatty Change TGLS = 4-12]		
* Lung		Inflammation	Chronic Active, Minimal
* Nose	Olfactory Epi	Atrophy	Mild
		Foreign Body	
		Inflammation	Suppurative, Mild
* Pancreas		Atrophy	Minimal
* Pituitary Gland	Pars Distalis	Adenoma	
	[Adenoma TGLS = 3-8]		
* Stomach, Glandular		Necrosis	Marked
	[Necrosis TGLS = 7-13+8]		
* Thyroid Gland	C Cell	Adenoma	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05135-07
Test Type: CHRONIC
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

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

Date Report Requested: 10/22/2014
Time Report Requested: 18:27:46
First Dose M/F: NA / NA
Lab: BNW

ANIMAL ID: 740

TRT#: 8
DOSE: 7000 PPM

SEX: Female
DISP: Moribund Sacrifice

DAY ON TEST: 653
HISTO: 33385

ORGAN AND ACCOUNTABLE SITE STATUS

* Uterus	C Cell	Hyperplasia Polyp Stromal	Mild
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PRIMARY CAUSE OF DEATH - Pituitary Gland Pars Distalis Adenoma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05135-07

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Isoprene

CAS Number: 78-79-5

Date Report Requested: 10/22/2014

Time Report Requested: 18:27:46

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 741

TRT#: 8

SEX: Female

DAY ON TEST: 114

DOSE: 7000 PPM

DISP: Moribund Sacrifice

HISTO: 33386

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Lymph Node, Bronchial

OBSERVATIONS

* Lung	Inflammation	Chronic Active, Minimal
* Nose	Inflammation	Suppurative, Mild
Tooth	Developmental Malformation	

PRIMARY CAUSE OF DEATH

- Tooth Developmental Malformation

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05135-07

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Isoprene

CAS Number: 78-79-5

Date Report Requested: 10/22/2014

Time Report Requested: 18:27:46

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 742

TRT#: 8

SEX: Female

DAY ON TEST: 713

DOSE: 7000 PPM

DISP: Moribund Sacrifice

HISTO: 33387

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Bone Marrow	* Clitoral Gland
* Esophagus	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Larynx	* Lung	* Lymph Node, Bronchial	* Lymph Node, Mandibular
* Lymph Node, Mediastinal	* Lymph Node, Mesenteric	* Nose	* Ovary
* Parathyroid Gland	* Pituitary Gland	* Salivary Glands	* Skin
* Spleen	* Thymus	* Trachea	* Urinary Bladder
* Uterus			

OBSERVATIONS

* Adrenal Cortex		Atrophy	Mild
		Hypertrophy	Mild
* Brain	Meninges	Sarcoma	
[Sarcoma TGLS = 7-8]			
* Heart		Cardiomyopathy	Minimal
* Kidney		Nephropathy	Moderate
* Liver		Basophilic Focus	
		Fatty Change	Mild
[Fatty Change TGLS = 3-4]		Fibrosis	Minimal
* Mammary Gland		Fibroadenoma	Multiple
[Fibroadenoma TGLS = 2,4-13+14]			
* Pancreas		Atrophy	Mild
* Skin			
Note: "Nose, nodule, 2mm dia, pale" was not apparent microscopically.			
* Stomach, Forestomach		Necrosis	Mild
* Stomach, Glandular		Necrosis	Mild
[Necrosis TGLS = 8-11]			
* Thyroid Gland	C Cell	Hyperplasia	Minimal

PRIMARY CAUSE OF DEATH

-

CONTRIBUTORY CAUSE OF DEATH

- Brain Meninges Sarcoma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05135-07

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Isoprene

CAS Number: 78-79-5

Date Report Requested: 10/22/2014

Time Report Requested: 18:27:46

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 743

TRT#: 8

SEX: Female

DAY ON TEST: 735

DOSE: 7000 PPM

DISP: Terminal Sacrifice

HISTO: 33388

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Bone Marrow	* Brain
* Clitoral Gland	* Esophagus	* Heart	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Larynx	* Lung
* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Nose	* Parathyroid Gland
* Salivary Glands	* Skin	* Spleen	* Stomach, Forestomach
* Stomach, Glandular	* Thymus	* Trachea	* Urinary Bladder
* Uterus			

MISSING

* Lymph Node, Bronchial	* Lymph Node, Mediastinal
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OBSERVATIONS

* Adrenal Cortex	Adenoma	
* Kidney	Nephropathy	Mild
* Liver	Basophilic Focus	
	Hepatodiaphragmatic Nodule	
[Hepatodiaphragmatic Nodule TGLS = 4-13]		
* Mammary Gland	Fibroadenoma	Multiple
[Fibroadenoma TGLS = 1,2,3-14+11+12]		
* Ovary	Inflammation	Granulomatous, Moderate
* Pancreas	Atrophy	Minimal
* Pituitary Gland	Hyperplasia	Mild
* Thyroid Gland	Hyperplasia	Minimal
	Pars Distalis	
	C Cell	

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05135-07

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Isoprene

CAS Number: 78-79-5

Date Report Requested: 10/22/2014

Time Report Requested: 18:27:46

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 744

TRT#: 8

SEX: Female

DAY ON TEST: 736

DOSE: 7000 PPM

DISP: Terminal Sacrifice

HISTO: 33389

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Bone Marrow	* Brain
* Esophagus	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Larynx	* Lymph Node, Bronchial	* Lymph Node, Mandibular	* Lymph Node, Mediastinal
* Lymph Node, Mesenteric	* Nose	* Ovary	* Parathyroid Gland
* Salivary Glands	* Skin	* Spleen	* Stomach, Forestomach
* Stomach, Glandular	* Thymus	* Trachea	* Urinary Bladder
* Uterus			

OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Mild
		Hypertrophy	Mild
* Clitoral Gland		Hyperplasia	Mild
* Heart		Cardiomyopathy	Mild
* Kidney		Nephropathy	Mild
[Nephropathy TGLS = 3-11]			
* Liver		Basophilic Focus	
		Clear Cell Focus	
[Basophilic Focus TGLS = 3-11]			
[Clear Cell Focus TGLS = 3-11]			
* Lung	Alveolar Epith	Hyperplasia	Minimal
* Mammary Gland		Fibroadenoma	
[Fibroadenoma TGLS = 1-12]			
* Pancreas		Atrophy	Mild
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 2-8]			
* Thyroid Gland	C Cell	Hyperplasia	Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05135-07

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Isoprene

CAS Number: 78-79-5

Date Report Requested: 10/22/2014

Time Report Requested: 18:27:46

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 745

TRT#: 8

SEX: Female

DAY ON TEST: 735

DOSE: 7000 PPM

DISP: Terminal Sacrifice

HISTO: 33390

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Bone Marrow	* Brain
* Esophagus	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Larynx	* Lung	* Lymph Node, Mandibular	* Lymph Node, Mesenteric
* Nose	* Ovary	* Pancreas	* Parathyroid Gland
* Salivary Glands	* Skin	* Spleen	* Stomach, Forestomach
* Stomach, Glandular	* Trachea	* Urinary Bladder	* Uterus

MISSING

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

* Adrenal Cortex		Hyperplasia	Mild
* Clitoral Gland		Adenoma	
[Adenoma TGLS = 2-12]			
* Heart		Cardiomyopathy	Minimal
* Kidney		Nephropathy	Mild
* Liver		Basophilic Focus	
		Clear Cell Focus	
		Hepatodiaphragmatic Nodule	
[Clear Cell Focus TGLS = 5-15]			
[Hepatodiaphragmatic Nodule TGLS = 4-16+17]			
* Mammary Gland		Fibroadenoma	Multiple
[Fibroadenoma TGLS = 1,3-13+14]			
Mesentery	Fat	Necrosis	Mild
[Necrosis TGLS = 6-11]			
* Pituitary Gland	Pars Distalis	Hyperplasia	Moderate
* Thyroid Gland	C Cell	Hyperplasia	Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05135-07

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Isoprene

CAS Number: 78-79-5

Date Report Requested: 10/22/2014

Time Report Requested: 18:27:46

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 746

TRT#: 8

SEX: Female

DAY ON TEST: 681

DOSE: 7000 PPM

DISP: Moribund Sacrifice

HISTO: 33391

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Bone Marrow	* Brain
* Esophagus	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Larynx	* Lung	* Lymph Node, Mandibular	* Lymph Node, Mediastinal
* Lymph Node, Mesenteric	* Nose	* Ovary	* Pancreas
* Pituitary Gland	* Salivary Glands	* Spleen	* Stomach, Forestomach
* Stomach, Glandular	* Thymus	* Trachea	* Urinary Bladder
* Uterus			

MISSING

* Lymph Node, Bronchial	* Parathyroid Gland
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OBSERVATIONS

* Adrenal Cortex		Hypertrophy	Moderate
* Clitoral Gland		Adenoma	
* Heart		Cardiomyopathy	Minimal
* Kidney	Transit Epithe	Hyperplasia	Mild
		Nephropathy	Minimal
* Liver		Basophilic Focus	
		Fatty Change	Mild
* Mammary Gland		Fibroadenoma	Multiple
[Fibroadenoma TGLS = 1,4,5-12+11+17]			
Mesentery	Fat	Necrosis	Mild
[Necrosis TGLS = 2-13]			
* Skin	Subcut Tiss	Sarcoma	
[Sarcoma TGLS = 3-14+15+16]			
* Thyroid Gland	C Cell	Hyperplasia	Minimal

PRIMARY CAUSE OF DEATH

- Skin Subcut Tiss Sarcoma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05135-07

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Isoprene

CAS Number: 78-79-5

Date Report Requested: 10/22/2014

Time Report Requested: 18:27:46

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 747

TRT#: 8

SEX: Female

DAY ON TEST: 464

DOSE: 7000 PPM

DISP: Moribund Sacrifice

HISTO: 33392

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Bone	* Bone Marrow	* Clitoral Gland	* Esophagus
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Larynx
* Lymph Node, Mandibular	* Lymph Node, Mediastinal	* Mammary Gland	* Nose
* Pancreas	* Salivary Glands	* Skin	* Stomach, Forestomach
* Thyroid Gland	* Trachea	* Urinary Bladder	* Uterus

MISSING

* Lymph Node, Bronchial	* Parathyroid Gland	* Thymus
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OBSERVATIONS

* Adrenal Cortex [Leukemia Mononuclear TGLS = 2-11]		Leukemia Mononuclear	
* Adrenal Medulla [Leukemia Mononuclear TGLS = 2-11]		Leukemia Mononuclear	
* Brain		Leukemia Mononuclear	
* Heart		Leukemia Mononuclear	
* Kidney	Renal Tubule	Leukemia Mononuclear Necrosis Nephropathy	Mild Minimal
* Liver [Leukemia Mononuclear TGLS = 3-4]		Leukemia Mononuclear	
* Lung [Leukemia Mononuclear TGLS = 1-3+3A]		Inflammation Leukemia Mononuclear	Chronic Active, Minimal
* Lymph Node, Mesenteric [Leukemia Mononuclear TGLS = 2-11]		Leukemia Mononuclear	
* Ovary [Cyst TGLS = 4-7]		Cyst Leukemia Mononuclear	Minimal
* Pituitary Gland [Leukemia Mononuclear TGLS = 4-7]		Leukemia Mononuclear	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05135-07

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Isoprene

CAS Number: 78-79-5

Date Report Requested: 10/22/2014

Time Report Requested: 18:27:46

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 747

TRT#: 8

SEX: Female

DAY ON TEST: 464

DOSE: 7000 PPM

DISP: Moribund Sacrifice

HISTO: 33392

ORGAN AND ACCOUNTABLE SITE STATUS

* Spleen

[Leukemia Mononuclear TGLS = 2-11]

Leukemia Mononuclear

* Stomach, Glandular

[Necrosis TGLS = 5-8+12]

Necrosis

Moderate

PRIMARY CAUSE OF DEATH

- Spleen Leukemia Mononuclear

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05135-07

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Isoprene

CAS Number: 78-79-5

Date Report Requested: 10/22/2014

Time Report Requested: 18:27:46

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 748

TRT#: 8

SEX: Female

DAY ON TEST: 734

DOSE: 7000 PPM

DISP: Terminal Sacrifice

HISTO: 33393

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Bone	* Bone Marrow	* Brain
* Clitoral Gland	* Esophagus	* 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	* Ovary
* Pancreas	* Parathyroid Gland	* Salivary Glands	* Skin
* Spleen	* Stomach, Forestomach	* Stomach, Glandular	* Thymus
* Trachea	* Urinary Bladder	* Uterus	

MISSING

* Lymph Node, Bronchial

OBSERVATIONS

* Adrenal Medulla		Hyperplasia	Minimal
* Heart		Cardiomyopathy	Minimal
* Kidney		Nephropathy	Mild
* Mammary Gland		Carcinoma	
		Fibroadenoma	Multiple
	[Carcinoma TGLS = 2-11]		
	[Fibroadenoma TGLS = 3,4-12+13]		
* Nose		Inflammation	Suppurative, Mild
* Pituitary Gland	Pars Distalis	Adenoma	
	[Adenoma TGLS = 1-8]		
* Thyroid Gland	C Cell	Hyperplasia	Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05135-07

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Isoprene

CAS Number: 78-79-5

Date Report Requested: 10/22/2014

Time Report Requested: 18:27:46

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 749

TRT#: 8

SEX: Female

DAY ON TEST: 735

DOSE: 7000 PPM

DISP: Terminal Sacrifice

HISTO: 33394

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Bone	* Bone Marrow	* Brain	* Clitoral Gland
* Esophagus	* Heart	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Larynx	* Lymph Node, Mediastinal	* Lymph Node, Mesenteric
* Nose	* Ovary	* Parathyroid Gland	* Salivary Glands
* Skin	* Stomach, Forestomach	* Stomach, Glandular	* Thymus
* Trachea	* Urinary Bladder	* Uterus	

OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Mild
* Adrenal Medulla		Leukemia Mononuclear	
Eye	Retina	Leukemia Mononuclear	
		Pheochromocytoma Benign	
		Atrophy	Moderate
		Cataract	Mild
[Cataract TGLS = 1-11]			
* Kidney		Leukemia Mononuclear	
		Nephropathy	Mild
* Liver		Basophilic Focus	
	Bile Duct	Hyperplasia	Minimal
		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 3-4]			
* Lung		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 3-4]			
* Lymph Node, Bronchial		Leukemia Mononuclear	
* Lymph Node, Mandibular		Leukemia Mononuclear	
* Mammary Gland		Fibroadenoma	Multiple
[Fibroadenoma TGLS = 2,4-13+14+15+12]			
* Pancreas		Atrophy	Mild
* Pituitary Gland	Pars Distalis	Adenoma	
		Leukemia Mononuclear	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05135-07

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Isoprene

CAS Number: 78-79-5

Date Report Requested: 10/22/2014

Time Report Requested: 18:27:46

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 749

TRT#: 8

SEX: Female

DAY ON TEST: 735

DOSE: 7000 PPM

DISP: Terminal Sacrifice

HISTO: 33394

ORGAN AND ACCOUNTABLE SITE STATUS

* Spleen

Leukemia Mononuclear

* Thyroid Gland

C Cell

Hyperplasia

Moderate

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05135-07

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Isoprene

CAS Number: 78-79-5

Date Report Requested: 10/22/2014

Time Report Requested: 18:27:46

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 750

TRT#: 8

SEX: Female

DAY ON TEST: 490

DOSE: 7000 PPM

DISP: Moribund Sacrifice

HISTO: 33395

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Clitoral Gland	* Esophagus	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Larynx	* Lymph Node, Mandibular	* Mammary Gland
* Nose	* Parathyroid Gland	* Salivary Glands	* Skin
* Stomach, Forestomach	* Trachea	* Urinary Bladder	* Uterus

OBSERVATIONS

* Adrenal Cortex		Degeneration	Cystic, Mild
		Leukemia Mononuclear	
		Necrosis	Moderate
* Adrenal Medulla		Leukemia Mononuclear	
* Bone		Hyperostosis	Mild
* Bone Marrow		Leukemia Mononuclear	
* Brain		Degeneration	Focal, Mild
		Leukemia Mononuclear	
* Heart		Leukemia Mononuclear	
* Kidney		Leukemia Mononuclear	
		Nephropathy	Mild
* Liver		Fatty Change	Mild
	Bile Duct	Hepatodiaphragmatic Nodule	
		Hyperplasia	Mild
		Leukemia Mononuclear	
		Regeneration	Mild
	[Hepatodiaphragmatic Nodule TGLS = 5-4]		
* Lung		Leukemia Mononuclear	
* Lymph Node, Bronchial		Leukemia Mononuclear	
* Lymph Node, Mediastinal		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLS = 6-15]		
* Lymph Node, Mesenteric		Leukemia Mononuclear	
* Ovary		Cyst	Moderate
		Leukemia Mononuclear	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05135-07
Test Type: CHRONIC
Species/Strain: Rat/F 344/N

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

Date Report Requested: 10/22/2014
Time Report Requested: 18:27:46
First Dose M/F: NA / NA
Lab: BNW

ANIMAL ID: 750	TRT#: 8	SEX: Female	DAY ON TEST: 490
	DOSE: 7000 PPM	DISP: Moribund Sacrifice	HISTO: 33395

ORGAN AND ACCOUNTABLE SITE STATUS

[Cyst TGLS = 4-14]			
* Pancreas		Atrophy	Minimal
* Pituitary Gland	Pars Distalis	Hyperplasia	Minimal
Spinal Cord		Leukemia Mononuclear	
* Spleen		Leukemia Mononuclear	
		Necrosis	Mild
[Leukemia Mononuclear TGLS = 2-11]			
[Necrosis TGLS = 3-11]			
* Stomach, Glandular		Necrosis	Moderate
[Necrosis TGLS = 6-15]			
* Thymus		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 3-11]			
* Thyroid Gland	C Cell	Hyperplasia	Minimal

PRIMARY CAUSE OF DEATH - Spleen Leukemia Mononuclear

**** END OF REPORT ****

* PROTOCOL REQUIRED TISSUE